

APPENDIX 2

COMPLETED FLORA DATA SHEETS



Vegetation Assessment

500384

Q1

Project #: 4447 - Dend A3 SIS Ridges

Observer: NS, GEN, KEN

Date: 11/4/07

Location: Note: Easting and Northing is Mandatory for FIS

Waypoint: 001 (GK14) Easting 290709 Northing 6194091

Location description: SSGFF on west-side of Waga willi Creek (5m)

Photo numbers: 119-1901

Topographical features

Slope 5% Aspect EAST

Outcropping % None Surface Rock % None

Soil Type Grass Horizon visibility 200m

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species | |
|-------------------------------|-------------------------------|--------------|--------------------|-----|-----------------|--|----------------------|
| Upper | T | 17 | 20 | 40 | G | Euc pip, Euc iac (up to 11) | |
| Mid | Smt | 7 | 10 | 15 | G | Lepta tin, Bank. serrata | |
| Lower | sh | 1 | 3 | 40 | G | Hakea serric, Bank spin, Pers. laur, Lamb form, relap. spec, Ank. dact | |
| Ground | Sodjet Weeds | 0 | 1 | 70 | G | Imog. tax, Xanth. med, Cono latro, Lepido lat, Pterid. ex, Eriolalie, Bossiaea plant | |
| Species | FPC: 100-70% | | 70-30% | | 30-10% | | <10% |
| Trees > 30m | Tall closed-forest | | Tall open-forest | | Tall woodland | | Tall open-woodland |
| Trees 10-30m | Closed-forest | | Open-forest | | Wood and | | Open-woodland |
| Trees 5-10m | Low closed-forest | | Low open-forest | | Low woodland | | Low open-woodland |
| Trees < 5m | V. low closed-forest | | V. low open-forest | | V. low woodland | | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | | Tall open-shrubland |
| Shrubs 0.25-2m | | | | | | | |
| Sclerophyll | Closed Heathland | | Heathland | | Open heathland | | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | | Low open-shrubland |
| Mapped community | <u>Choke - probably SSGFF</u> | | | | | | |
| ECCs/Threatened Plants | <u>NO ECCs, Threatened</u> | | | | | | |

General Habitat Description and comments

Fire History: 4-5 years

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Encleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) - Good Moderate, Poor, Very Poor: native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: No weeds

- Good condition SSGFF

- Diverse shrub + herb layer, excellent structure & condition

- Young regenerating bush post-fire

| | | | | | |
|------|--------------|------|--------------|------|---------------|
| 5128 | Acac longi | 4788 | Epac pulch | 2079 | Lycu deute |
| 0053 | Acac l. lon | 4893 | Erio austr | 6307 | Mars suave |
| 0092 | Acac suave | 1281 | Euca globo | 2179 | Micr s.sti |
| 0095 | Acac termi 2 | 5033 | Euca hacma | 2205 | Mirb rabii |
| 0098 | Acac ulici | 5115 | Euca piper 5 | 2211 | Mitr polym |
| 3650 | Acti helia 2 | 5142 | Euca racem f | 2218 | Mono ellip |
| 0857 | Acti minor | 1318 | Euca siebe | 2220 | Mono scopia 1 |
| 0677 | Allo litto 1 | 1395 | Gahn siebe | 2232 | Muel celas |
| 0206 | Ampe x.xip 2 | 9391 | Gahn spp. | 6492 | Note longi |
| 9052 | Amyc spp. | 1440 | Glei dicar | 2436 | Patc glabr |
| 0231 | Anis avena | 5460 | Gomp grand | 2438 | Patc seric 1 |
| 0237 | Aotu erico 2 | 1482 | Gomp latif | 2464 | Pers levis 1 |
| 2255 | Bank e.eri | 1490 | Gono teucr 4 | 2465 | Pers linea |
| 2274 | Bank p.pal | 1494 | Good b.bel | 6783 | Pers m.nec |
| 0366 | Bank serra 1 | 5573 | Grev mucro 3 | 6809 | Petr pulch 1 |
| 2295 | Bank s.api 2 | 5580 | Grev oleoi | 6810 | Petr sessi |
| 0371 | Baue rubio | 5632 | Haem plani | 2501 | Phyl hirte |
| 4291 | Bill s.sca | 5632 | Hake dacty 2 | 4818 | Pine l. cae |
| 0404 | Blec carti | 5664 | Hake seric 3 | 4819 | Pine l. lin 2 |
| 9126 | Blec spp. | 1571 | Hake t.ter | 6960 | Plat linea 2 |
| 0426 | Boro ledif | 5664 | Hard viola | 2395 | Podo ilici |
| 0438 | Boss heter 2 | 1596 | Heli elatu | 2677 | Poma umbel |
| 0439 | Boss obscor | 1617 | Hibb a.asp | 7060 | Pora erici |
| 2624 | Boss scolo | 5731 | Hibb a.asp | 2683 | Pora micro |
| 2696 | Brac d.dap | 5734 | Hibb bract | 2777 | Pter escul 4 |
| 0557 | Cale major | 5735 | Hibb circu 1 | 9750 | Pter spp. |
| 0887 | Calo dubia | 1665 | Hibb dentu | 7232 | Pult ellip |
| 4681 | Cass glabe | 5741 | Hibb fasci | 7237 | Pult flexi |
| 4680 | Cass glabe | 1675 | Hibb ripar 1 | 2857 | Pult linop |
| 3559 | Cass pubes 1 | 5811 | Hove linea | 7258 | Pult stipu |
| 0688 | Caus flexu | 1711 | Hlyba monop | 7292 | Rapa varia |
| 3690 | Cera apeta 1 | 5906 | Isop anemo 3 | 2938 | Rici pinif |
| 3723 | Chlo stoec 1 | 1848 | Kenn rubic | 3023 | Scae ramos |
| 3778 | Chor cando 1 | 6004 | Lamb formo 4 | 3026 | Sche undul |
| 0783 | Ciss hypog | 6032 | Leio diosm | 3030 | Schi bifid |
| 3886 | Cono erici | 1920 | Lepi filif | 7444 | Schi diche |
| 3890 | Cono tenui | 1923 | Lepi later 3 | 3039 | Scho apogo |
| 0835 | Cory aconi | 1927 | Lepi neesi | 3098 | Scla uligi 1 |
| 1288 | Cory gummi | 1930 | Lepi uroph 2 | 7609 | Smil glyci |
| 0881 | Cryp erect | 1939 | Lept acida | 7722 | Styl linea |
| 9269 | Cryp spp. | 6077 | Lept arach | 7723 | Styl produ |
| 0884 | Cryp subul | 6088 | Lept junip | 7766 | Syno g.gla |
| 0899 | Cyat diand | 6105 | Lept p.pol | 7794 | Telo speci 2 |
| 0953 | Damp purpu 2 | 6114 | Lept squar | 3348 | Tctr junce |
| 0958 | Damp stric | 4950 | Lept trine 3 | 4007 | Thel umbel |
| 9299 | Dend spp. | 6121 | Lepy scari | 5005 | Thel lixi |
| 1027 | Dian e.cae | 6128 | Leuc ample | 9876 | Thel spp. |
| 4398 | Dian e.pro | 1978 | Leuc erico 4 | 3406 | Tode barba |
| 4408 | Dian r.rev 1 | 1983 | Leuc l.lan | 7909 | Tris colli |
| 4476 | Dill flori | 2014 | Lind linea | 8007 | Viol siebe |
| 4481 | Dill retor 1 | 2023 | Livi austr | 8061 | Wool punge |
| 4558 | Dodo camfi | 4163 | Loma cylin | 8078 | Xant media 3 |
| 4093 | Dodo triqu 3 | 4709 | Loma f.cor | 3592 | Xant pilos 2 |
| 1137 | Flac retic | 4710 | Loma f.fil | 3594 | Xant tride |
| 1155 | Empo minus | 2043 | Loma glauc | 8089 | Xylo pyrif |
| 1161 | Ento margi 3 | 2046 | Loma longi 3 | 8094 | Xyri compl |
| 3790 | Ento stric | 4711 | Loma m.tub | 3595 | Xyri graci |
| 4785 | Epac longi | 2048 | Loma m.mul | 8135 | Zicr pilos |
| 5250 | Epac m.muc | 6192 | Loma obliq 1 | | |
| | | 6196 | Loma silai 1 | | |

Acac irrorata 1
 Nemato squar 2
 Boss prostrata 3
 Dodo multi 2
 Conosp tenuif 5
 Laci. opitalum ferro 3
 Acac linifolia 2
 Astrotichs lanay. 2
 Poma elipt 2
 Ciner sp. ac 1
 Phak squam 2
 Kennedia prostr 1
 Leperodia squ 3
 Orchid 2

500385



Vegetation Assessment

02

Project #: 4447 - Dend A3 SIS Ridges

Observer: SEW/NS/KEW

Date: 11/4/07

Location: Note: Easting and Northing is Mandatory for FIS

Waypoint: 002 (PSM) Easting 289766 Northing 6191641

Location description: Ridge, open forest.

Photo numbers: 19-1402 (camera 4)

Topographical features:

Slope 0 Aspect 0

Outcropping % 0 Surface Rock % SSW 0

Soil Type sand Horizon visibility floor

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|-------|--------------|--------------|-----|------|---|
| Upper | T | 10 | 12 | 25 | G | Euca pip, Corym gum, Euc sieb |
| Mid | ST | 2 | 5 | 35 | G | Juvenile Eucs, lept trin, Banksia spin |
| Lower | shrub | 0.5 | 1 | 40 | G | Acae myrt, Lamb form, Kap arem, Boss hed. |
| Ground | grass | 0 | 0.5 | 20 | G | Lepidasp bicr, Spathech diand, Ptiloth dew. |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 20m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: ESSW

EBC/Threatened Plants: ESSW

General Habitat Description and comments:

Fire History: < 5 yrs.

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire tracks

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: No weeds

| | | | | | | | |
|------|--------------------|------|-------------------|------|-------------------|---|-------------------|
| 5128 | Acac longi | 4788 | Epac pulch | 2079 | Lycodente | 4 | Acac myrt |
| 0053 | Acac l.lon | 2 | (4893) Erio austr | 6307 | Mars suave | 4 | Circu sphac |
| 0092 | Acac suave | 1281 | Euca globo | 2179 | Mier s.sti | 2 | Acac linif |
| 0095 | Acac termi | 5033 | Euca haenna | 2205 | Mitr rubii | 1 | Obay stricta |
| 3 | (0098) Acac ulici | 4 | (5115) Euca piper | 2211 | Mitr polym | 3 | Philoth oleus |
| 3650 | Acti helia | 4 | (5142) Euca racem | 2218 | Mono ellip | 2 | Gomph miniv |
| 0857 | Acti minor | 4 | (1318) Euca siebe | 1 | (2220) Mono scop | 2 | Xanth dissecta |
| 0677 | Allo litto | 1395 | Gahn sicbe | 2232 | Muel celas | 1 | Lamanna gracilis |
| 1 | (0206) Ampe x.xip | 9391 | Gahn spp. | 6492 | Note longi | 3 | Comosp taxifolium |
| 9052 | Amye spp. | 1440 | Glei dicar | 2436 | Pate glabr | 3 | Good stel? |
| 1 | (0231) Anis avena | 2 | (5460) Gomp grand | 2 | (2438) Pate seric | | |
| 0237 | Aotu erico | 1482 | Gomp latif | 2 | (2464) Pers levis | | |
| 2255 | Bank e.eri | 1490 | Gono teucr | 2465 | Pers linca | | |
| 2274 | Bank p.pal | 1494 | Good b.bel | 6783 | Pers m.ncc | | |
| 3 | (0366) Bank scrra | 5573 | Grev mucro | 2 | (6809) Petr pulch | | |
| 2 | (2295) Bank s.spi | 5580 | Grev glooi | 6810 | Petr sessi | | |
| 0371 | Bauc rubio | 5632 | Haem plani | 2501 | Phyl hirt | | |
| 1 | (4291) Bill s.sca | 3 | (1562) Hake dacty | 4818 | Pime l.cae | | |
| 0404 | Blec carti | 1571 | Hake seric | 3 | (4819) Pime l.lin | | |
| 9126 | Blec spp. | 5664 | Hake t.ter | 3 | (6960) Plat linea | | |
| 0426 | Boro ledif | 1596 | Hard viola | 2395 | Podo ilici | | |
| 4 | (1438) Boss heter | 1617 | Heli elatu | 2677 | Poma umbel | | |
| 3 | (0439) Boss obcor | 5731 | Hibb a.asp | 7060 | Pora erici | | |
| 2624 | Boss scolo | 5734 | Hibb bract | 2683 | Pora micro | | |
| 2696 | Brac d.dap | 1 | (5735) Hibb circu | 2777 | Pter escul | | |
| 0557 | Cale major | 1665 | Hibb denta | 9750 | Pter spp. | | |
| 0887 | Calo dubia | 5741 | Hibb fasci | 7232 | Pult ellip | | |
| 4681 | Cass glabc | 2 | (1675) Hibb ripar | 7237 | Pult flexi | | |
| 3 | (4680) Cass glabc | 2 | (581) Hove linca | 2857 | Pult linop | | |
| 3 | (3559) Cass pubes | 1711 | Hyba monop | 7258 | Pult stipu | | |
| 0688 | Caus flexu | 3 | (5906) Isop amemo | 7292 | Rapa varia | | |
| 3690 | Cera apeta | 1848 | Kenn rubic | 2938 | Rici pinif | | |
| 3773 | Chlo stoec | 3 | (6004) Lamb formo | 3023 | Scac ramos | | |
| 3778 | Cher cando | 6032 | Leio diosm | 3026 | Sche undul | | |
| 0783 | Ciss hypog | 1920 | Lepi filif | 3030 | Schi bifid | | |
| 3886 | Cono erici | 3 | (1923) Lepi later | 7444 | Schi dicho | | |
| 2 | (3890) Cono tenui | 1927 | Lepi neesi | 3039 | Scho apogo | | |
| 0835 | Cory aconi | 1930 | Lepi troph | 3098 | Seta uligi | | |
| 5 | (1288) Cory gumini | 1 | (1939) Lept acida | 7609 | Smil glyci | | |
| 0881 | Cryp erect | 6077 | Lept arach | 7722 | Styl linea | | |
| 9269 | Cryp spp. | 6088 | Lept junip | 7723 | Styl produ | | |
| 0884 | Cryp subul | 6105 | Lept p.pol | 7766 | Syno g.gla | | |
| 4 | (0899) Cyat diand | 6114 | Lept squar | 7794 | Tclo speci | | |
| 0953 | Damp purpu | 2 | (1950) Lept trine | 3348 | Tetr junce | | |
| 1 | (0958) Damp stric | 2 | (6121) Lepy scari | 4007 | Thel umbel | | |
| 9299 | Dend spp. | 6128 | Leuc ample | 5005 | Thel i.xi | | |
| 1027 | Dian c.cac | 1978 | Leuc erico | 9876 | Thel spp. | | |
| 4398 | Dian c.pro | 1983 | Leuc l.lan | 3406 | Tode barba | | |
| 4408 | Dian r.rcv | 2014 | Lind linca | 7909 | Tris colli | | |
| 4476 | Dill flori | 2023 | Livi austr | 8007 | Viol siebe | | |
| 4481 | Dill refor | 2 | (4163) Loma cylin | 8061 | Wool punge | | |
| 4558 | Dodo camfi | 4709 | Loma f.cor | 3 | (8078) Xant media | | |
| 1093 | Dodo triqu | 1 | (4710) Loma f.fil | 3592 | Xant pilos | | |
| 1137 | Elae retic | 2043 | Loma glauc | 3594 | Xant tride | | |
| 1155 | Empo mimus | 2046 | Loma longi | 1 | (8089) Xylo pyrif | | |
| 1161 | Euto margi | 4711 | Loma m.tub | 8094 | Xyri compl | | |
| 3790 | Euto stric | 2048 | Loma m.tul | 3595 | Xyri graci | | |
| 4785 | Epac longi | 2 | (6192) Loma obliq | 8135 | Zier pilos | | |
| 5250 | Epac ra.mic | 1 | (6196) Loma silai | | | | |

500386



Vegetation Assessment

Q3

Project #: 4447 - Dend A3 SIS Ridges

Observer: NS/SEW/KEN

Date: 1/14/07

Location: Note: Easting and Northing is Mandatory for FIS

Waypoint: 003 (GPS 14) Easting 290152 Northing 6191023

Location description: woodland on top of ridge

Photo numbers: 119-1903 (camera #)

Topographical features

Slope 0 Aspect 0

Outcropping % 0 Surface Rock % 0

Soil Type sand Horizon visibility good

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|--------|--------------|--------------|-----|------|---|
| Upper | T | 12 | 15 | 30 | G | Euca race, Euc sieber |
| Mid | ST | 2 | 4 | 15 | G | Corym gum |
| Lower | shrub | 0.5 | 1.5 | 50 | G | Arac myrt, Amb form, Arac siva, Grex sphac, Hake seric, Boss heta |
| Ground | sedges | 0 | 0.5 | 40 | G | Patec glob, Cyathar diand, lepidosp later |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|-----------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
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| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25-2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: ESW

ECCs/Threatened Plants:

General Habitat Description and comments

Fire History: 2001 fire

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: None

Good leaf litter, dense shrub layer

Logs common throughout

| | | | | | | | |
|----------|------------|----------|-------------|----------|-------------|---|---------------------|
| 5128 | Acac longi | 4788 | Epac pulch | 2079 | Lycoc deute | 4 | Grev sphae |
| 0053 | Acac lon | 1 (4893) | Erio austr | 6307 | Mars suave | 4 | Acac myrt |
| 3 (0092) | Acac suave | 1281 | Euca globo | 2179 | Micr s.sti | 2 | Parantir corym |
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| 0857 | Acti minor | 3 (1318) | Euca siebe | 1 (2220) | Mono scopu | 2 | Euca capite |
| 0677 | Allo litto | 1395 | Gahn siebe | 2232 | Muel celas | 1 | |
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| 0371 | Bauc rubio | 5632 | Haem plani | 2501 | Phyl hirte | | |
| 1 (4291) | Bill s.sca | 3 (562) | Hake dacty | 4818 | Pime l.cae | | |
| 0704 | Blec carti | 4 (571) | Hake seric | 2 (4819) | Pime l.lin | | |
| 9126 | Blec spp. | 5664 | Hake t.ter | 2 (6960) | Plat linea | | |
| 3 (0426) | Boro ledif | 1596 | Hard viola | 2395 | Podo ilici | | |
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| 0887 | Calo dubia | 5741 | Hibb fasci | 3 (7232) | Pult ellip | | |
| 4681 | Cass glabc | 2 (675) | Ilibb ripar | 7237 | Pult flexi | | |
| 1 (4680) | Cass glabc | 2 (5811) | Hove linca | 2857 | Pult linop | | |
| 1 (3559) | Cass pubes | 1711 | Hyha monop | 7258 | Pult stipu | | |
| 2 (0688) | Caus flexu | 1 (5906) | Isop anemo | 7292 | Rapa varia | | |
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| 4 (1288) | Cory gammi | 1 (1939) | Lept acida | 7609 | Smil glyci | | |
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| 9269 | Cryp spp. | 6088 | Lept junip | 7723 | Styl produ | | |
| 1 (0884) | Cryp subul | 6105 | Lept p.pol | 7766 | Syno g.gla | | |
| 4 (0899) | Cyat dian | 6114 | Lept squar | 2 (7794) | Telo spoci | | |
| 0953 | Damp purpu | 1950 | Lept trine | 3348 | Tetr junce | | |
| 0958 | Damp stric | 6121 | Lepy sceri | 4007 | Thel umbel | | |
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| 1027 | Dian c.cae | 1978 | Leuc crico | 9876 | Thel spp. | | |
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| 4476 | Dill flori | 2023 | Livi austr | 8007 | Viol siebe | | |
| 4481 | Dill retor | 1 (4163) | Loma cylin | 8061 | Wool punge | | |
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| 4785 | Epac longi | 2 (6192) | Loma obliq | 8135 | Zier pilos | | |
| 5250 | Epac m.mic | 2 (6196) | Loma silai | | | | |



Vegetation Assessment

500387

Q4

Project #: 4447 - Dend A3 SIS Ridges

Observer: SEW | NS | KEW

Date: 11/4/07

Location: Waypoint: 004 (GPS 4) **Note:** Easting and Northing is Mandatory for FIS

Easting: 287798 Northing: 619456

Location description: Ridge, woodland.

Photo numbers: 19-1904

Topographical features:

Slope: 0 Aspect: 0

Outcropping %: 0 Surface Rock %: 0

Soil Type: transitional Horizon visibility: poor

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|-------|--------------|--------------|-----|------|-----------------------------------|
| Upper | T | 15 | 20 | 35 | G | Euc g'do |
| Mid | ST | 4 | 8 | 20 | G | Corym gum |
| Lower | shrub | 1 | 2 | 20 | G | Lamb form, Bank spin, Pers. lewis |
| Ground | sedge | 0 | 0.5 | 40 | G | Parker's glab, Xantho med, |

| Species | PFC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: Transitional shale stringy bark forest.

RBCs/Threatened Plants:

General Habitat Description and comments

Fire History: 2001 fire

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, (Uncleared), Riparian vegetation

RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: No weeds

| | | | | | |
|-----------------|--------------|-----------------|--------------|-----------------|---------------|
| 5128 | Acac longi | 4788 | Epac pulch | 2079 | Lycu deute |
| 0053 | Acac l.lon | 4893 | Erio austr | 6307 | Mars suave |
| 0092 | Acac suave | 1281 | Euca globo 5 | 2179 | Micr s.sti |
| 0095 | Acac termi | 5033 | Euca haema | 2205 | Mirb rubii |
| 0098 | Acac ulici | 5115 | Euca piper | 2211 | Mitr polyn |
| 3650 | Acti helia | 5142 | Euca racem 2 | 2218 | Mono ellip |
| 0857 | Acti minor | 1318 | Euca siebe 2 | 2220 | Mono scopia 1 |
| 0677 | Allo litto | 1395 | Gahn siebe | 2232 | Mucl celas |
| 0206 | Ampe x.xip 2 | 9391 | Gahn spp. | 6492 | Note longi |
| 9052 | Anya spp. | 1440 | Glei dicar | 2436 | Pate glabr 5 |
| 0231 | Anis avena 2 | 5460 | Gomp grand 1 | 2438 | Pate seric |
| 0237 | Aotu erico 1 | 1482 | Gomp latif | 2464 | Pers levis 3 |
| 2255 | Bank c.cri | 1490 | Gono teucr | 2465 | Pers linea |
| 2274 | Bank p.pal | 1494 | Good b.bel 2 | 6783 | Pers m.nec |
| 0366 | Bank serra | 5573 | Grev mucro | 6809 | Peur pulch |
| 2295 | Bank s.spi 4 | 5580 | Grev oleoi | 6800 | Peur sessi 3 |
| 0371 | Baue rubio | 5632 | Haem plani | 2501 | Phyl hirte |
| 4291 | Bill s.sea 1 | 1562 | Hake dacty | 4818 | Pime l.cae |
| 0404 | Blec carti | 1571 | Hake seric | 4819 | Pime l.lin 3 |
| 9126 | Blec spp. | 5664 | Hake t.ter | 6260 | Plat linea 2 |
| 0426 | Boro ledif | 1596 | Hard viola | 2395 | Podo ilici |
| 0438 | Boss heter 3 | 1617 | Heli elatu | 2677 | Poma umbel |
| 0439 | Boss obcor 2 | 5731 | Hibb a.asp | 7060 | Pora erici |
| 2624 | Boss scolo | 5734 | Hibb bract | 2683 | Pora micro |
| 2696 | Brac d.dap | 5735 | Hibb circu | 2777 | Pter escul |
| 0557 | Cale major | 1665 | Hibb denta | 9750 | Pter spp. |
| 0887 | Calo dubia | 5741 | Hibb fasci | 7232 | Pult ellip 1 |
| 4681 | Cass glabe | 1675 | Hibb ripar 2 | 7237 | Pult flexi |
| 4680 | Cass glabr 2 | 5811 | Hove linea | 2857 | Pult linop |
| 3559 | Cass pubes | 1711 | Hyba monop | 7258 | Pult stipu |
| 0688 | Caus flexu | 5906 | Isop anero | 7292 | Rapa varia |
| 3690 | Cera apeta | 1848 | Kenn rubic | 2938 | Rici pinif |
| 3773 | Chlo stoec | 6004 | Lamb formo 4 | 3023 | Scae ramos |
| 3778 | Chor cando | 6032 | Leio diosm | 3026 | Sche undul |
| 0783 | Ciss hypog | 1920 | Lepi filif | 3030 | Schi bifid |
| 3886 | Cono erici | 1923 | Lepi later 3 | 7444 | Schi dicho |
| 3890 | Cono tenui | 1927 | Lepi neesi | 3039 | Scho apogo |
| 0835 | Cory aconi | 1930 | Lepi uroph | 3098 | Sela uligi |
| 1288 | Cory gummi 4 | 1939 | Lept acida | 7609 | Smil glyca |
| 0881 | Cryp erect | 6077 | Lept arach | 7722 | Styl linea |
| 9269 | Cryp spp. | 6088 | Lept junip | 7723 | Styl produ |
| 0884 | Cryp subul | 6105 | Lept p.pol | 7766 | Syno g.gla |
| 0892 | Cyat diand 3 | 6114 | Lept squar | 7794 | Telo speci |
| 0953 | Damp purpu | 1950 | Lept trine | 3348 | Tetr junce |
| 0958 | Damp stric | 6121 | Lepy scari | 4007 | Thel umbel |
| 9299 | Dend spp. | 6128 | Leuc ample | 5005 | Thel i.ixi |
| 1027 | Dian c.cae | 1978 | Leuc erico | 9876 | Thel spp. |
| 4398 | Dian c.pro | 1983 | Leuc l.lan | 3406 | Tode barba |
| 4408 | Dian r.rev 1 | 2014 | Lind linea 2 | 7909 | Tris colli |
| 4476 | Dill flori | 2023 | Livi austr | 8007 | Viol siebe |
| 4481 | Dill retor | 4163 | Loma cylin | 8061 | Wool punge |
| 4558 | Dodo camfi | 4709 | Loma f.cor | 8078 | Xant media 2 |
| 1093 | Dodo triqu | 4700 | Loma f.fil 1 | 3592 | Xant pilos |
| 1137 | Elae retic | 2043 | Loma glauc | 3594 | Xant tride 2 |
| 1155 | Empo minus | 2046 | Loma longi | 8089 | Xylo pyrif 2 |
| 1161 | Ento margi | 4701 | Loma m.tub | 8094 | Xyri compl |
| 3790 | Ento stric 2 | 2048 | Loma m.rul 1 | 3595 | Xyri graci |
| 4785 | Epac longi | 6192 | Loma obliq 3 | 8135 | Zier pilos |
| 5250 | Epac m.mic | 6196 | Loma silai 2 | | |

Acac obtus 4
 Graph. minus . 1
 Laccifera . 1
 Pult. rosarin . 2
 Stenocletta punita . 2



Vegetation Assessment

500388

85

Project #: 4447 - Dend A3 SIS Ridges

Observer: MR, SEW, KEN

Date: 11/4/07

Location Note: Easting and Northing is Mandatory for FIS

Waypoint: 005 (GPS 14) Easting 287681 Northing 6194597

Location description: SSTF adjacent to GA on west-side.

Photo numbers:

Topographical features

Slope 0 Aspect 0

Outcropping % 0 Surface Rock % 0

Soil Type Loamy sand Horizon visibility 200m

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|--------------|--------------|--------------|-----|------|--|
| Upper | T | 18 | 20 | 45 | G | <i>Euc glob, Casim b gemm</i> |
| Mid | SNT | 10 | 12 | <5% | G | <i>Allocas 1.4 (1 specimen outside boundary)</i> |
| Lower | Sh | 1.0 | 1.5 | 40% | G | <i>Grav. mucra, Pterid etc, Lam laig</i> |
| Ground | Soil 4.5m | 0 | 0.5 | 30% | G | <i>Pal glob, Entolasia, Lam spp.</i> |

| Specht | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | <u>Open-forest</u> | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: Transitional Shale Shinyback

EECs/Threatened Plants: -

General Habitat Description and comments

Fire History: 5 years

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation track/Road

RESILIENCE (Natural Soil Profile) < Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: No weeds

| | | | | | |
|------|--------------|------|--------------|------|--------------|
| 5128 | Acac longi | 4788 | Epac pulch | 2079 | Lycx deutc |
| 0053 | Acac l.lon | 4893 | Erio austr | 6307 | Mars suave |
| 0092 | Acac suave | 1281 | Euca globo 5 | 2179 | Mier s.sti 1 |
| 0095 | Acac termi | 5033 | Fuca haema | 2205 | Mirb rubii |
| 0098 | Acac ulici | 5115 | Euca piper | 2211 | Mitr polyn |
| 3650 | Acti helia | 5142 | Euca racem | 2218 | Mono ellip |
| 0857 | Acti minor | 1318 | Euca siebe 1 | 2220 | Mono scopu |
| 0677 | Allo litto | 1395 | Gahn siebe | 2232 | Muel celas |
| 0206 | Amye x.xip | 9391 | Gahn spp. | 6492 | Note longi |
| 9052 | Amye spp. | 1440 | Glei dicar | 2436 | Pate glabr 4 |
| 0231 | Anis avena | 5460 | Gomp grand | 2438 | Pate serie |
| 0237 | Aotu erico | 1482 | Gomp latif | 2464 | Pers levis |
| 2255 | Bank e.eri | 1490 | Gono teucr 1 | 2465 | Pers linea 3 |
| 2274 | Bank p.pal | 1494 | Good b.bel 3 | 6783 | Pers m.nec |
| 0366 | Bank serra | 5573 | Grev mucro 5 | 6809 | Petr pulch |
| 2295 | Bank s.spi 3 | 5580 | Grev oleoi | 6810 | Petr sessi |
| 0371 | Bauc rubio | 5632 | Haem plani | 2501 | Phyl hirtc 3 |
| 4291 | Bill s.sca | 1562 | Hake dacty | 4818 | Pime Leac |
| 0404 | Blec carti | 1571 | Hake serie | 4819 | Pime l.lin 2 |
| 9126 | Blec spp. | 5664 | Hake t.ter | 6960 | Plat linea |
| 0426 | Boro ledif | 1596 | Hard viola 2 | 2395 | Podo ilici |
| 0438 | Boss heter | 1617 | Heli elatu | 2677 | Poma umbel |
| 0439 | Boss obsc 2 | 5731 | Hibb a.asp 1 | 7060 | Pora erici |
| 2624 | Boss scolo | 5734 | Hibb brae: | 2683 | Pora micro |
| 2696 | Brac d.dap | 5735 | Hibb circu | 2777 | Pter escul 3 |
| 0557 | Cale major | 1665 | Hibb denta | 9750 | Pter spp. |
| 0887 | Calo dubia | 5741 | Hibb fasci | 7232 | Pult ellip 1 |
| 4681 | Cass glabe | 1675 | Hibb ripar | 7237 | Pult flexi |
| 4680 | Cass glabe | 5811 | Hove linea | 2857 | Pult linop |
| 3559 | Cass pubes | 1711 | Hya mor.op | 7258 | Pult stipu |
| 0688 | Caus flexu | 5906 | Isop anemo | 7292 | Rapa varia |
| 3690 | Cora apeta | 1848 | Kenn rubic 2 | 2938 | Rici pinif |
| 3773 | Chlo stoccc | 6004 | Lamb formo | 3023 | Scac ramos 1 |
| 3778 | Chor cando 1 | 6032 | Leio diosm | 3026 | Sche undul |
| 0783 | Ciss hypog | 1920 | Lepi filif | 3030 | Schi bifid |
| 3886 | Cono erici | 1923 | Lepi later 3 | 7444 | Schi dichu |
| 3890 | Cono tenui | 1927 | Lepi neesi | 3039 | Scno apogo |
| 0835 | Cory aconi | 1930 | Lepi uropn | 3098 | Se.a uligi |
| 1288 | Cory gummi 3 | 1939 | Lept acida | 7609 | Smil glyci 1 |
| 0881 | Cryp erect | 6077 | Lept arach | 7722 | Styl linea |
| 9269 | Cryp spp. | 6088 | Lept junip | 7723 | Styl produ |
| 0884 | Cryp subul | 6105 | Lept p.pol | 7766 | Syno g.gla |
| 0899 | Cyat diand | 6114 | Lept squar | 7794 | Telo speci |
| 0953 | Damp purpu | 1950 | Lept trine | 3348 | Tetr junce |
| 0958 | Damp stric | 6121 | Lepy scar. | 4007 | Thel umbel |
| 9299 | Dend spp. | 6128 | Leuc ample | 5005 | Thel lixi |
| 1027 | Dian c.cae | 1978 | Leuc erico | 9876 | Thel spp. |
| 4398 | Dian c.pro 2 | 1983 | Leuc l.lan 1 | 3406 | Tode barba |
| 4403 | Dian r.rev 1 | 2014 | Lind linea 2 | 7909 | Tris colli |
| 4476 | Dill flori | 2023 | Livi austr | 8007 | Viol siebe 3 |
| 4481 | Dill retor | 4163 | Loma cylin | 8061 | Wool punge |
| 4553 | Dodo camfi | 4709 | Loma fecr | 8078 | Xant media |
| 1093 | Dodo triqu 1 | 4710 | Loma f.fil 2 | 3592 | Xant pilos |
| 1137 | Elae retic | 2043 | Loma glauc | 3594 | Xant tride 1 |
| 1155 | Empo minus | 2046 | Loma longi 3 | 8089 | Xylo pyrū |
| 1161 | Ento margi | 47.1 | Loma m.tub | 8094 | Xyri compl |
| 3790 | Ento stric | 2048 | Loma m.mul 1 | 3595 | Xyri graci |
| 4785 | Epac longi | 6192 | Loma obliq | 8135 | Zier pilos |
| 5250 | Epac m.mic | 6196 | Loma silai 2 | | |

Clematis arist. 2
Acac obtus 3
Paranth. rognab. 2
Viola leal. 1
Pult. rosmarin. 1
Ancianthus spp. 3
Pratia pulp. 1
Linds. micro. 1
~~*Dend. ...*~~
Acac. ulici folia 1
Imp. cyl. 1



Vegetation Assessment

500389

Project #: 4447 - Dend A3 SIS Ridges

Observer: NIS, SEN, REN

Date: 11/4/07

Q6

Location Note: Easting and Northing is Mandatory for FIS

Waypoint: 006 (GPS 44) Easting Northing

Location description: CSFF west of FRGA.

Photo numbers: 119 - 1905, 119 - 1906

Topographical features

Slope Aspect

Outcropping % Surface Rock %

Soil Type loamy sand Horizon visibility 100%

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|-------------------------|--------------|--------------|-----|------|---|
| Upper | | 17 | 20 | 40 | G | Euc. glob, Corymb. gumm. |
| Mid | Scrub | 8 | 10 | 10 | G | juv. Euc spp. |
| Lower | Shrub | 1.5 | 3.0 | 20 | G | Pers. ha, Pers. (ov.), Bank, spin Acacia lin |
| Ground | Scrub Herb Scribb | 0 | 1.0 | 40 | G | Pat glob, Lam. siliq, Cass. melleo |

| Species | PFC: 100-70% | 70-30% | 30-10% | <10% |
|-----------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10-30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5-10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25-2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: Transit State Springy Forest

RFCs/Threatened Plants: -

General Habitat Description and comments

Fire History: 5 years

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Cleared, Riparian vegetation banding/tracking

RESILIENCE (Natural Soil Profile): Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile): Permanently altered, Reveget area, Open space/exotic pasture

Weeds and Weed Density: No weeds

| | | | | | |
|------|--------------|------|--------------|------|--------------|
| 5128 | Acac longi | 4788 | Epac pulch | 2079 | Tyco deute |
| 0053 | Acac l. lon | 4893 | Erio austr | 6307 | Mars suave |
| 0092 | Acac suave | 1281 | Euca globo 5 | 2179 | Micr s.sti 1 |
| 0095 | Acac termi | 5033 | Euca haema | 2205 | Mirb rubi |
| 0098 | Acac ulici 2 | 5115 | Euca piper | 22.1 | Mitr polym |
| 3650 | Act. helia | 5142 | Euca racem | 22.8 | Mono ellip |
| 0857 | Act. minor | 1318 | Euca siebe | 2220 | Mono scopa |
| 0677 | Allo litto 1 | 1395 | Gahn siebe | 2232 | Muel celas |
| 0206 | Ampe x.xip | 9391 | Gahn spp. | 5497 | Ncte longi 1 |
| 9052 | Amyc spp. | 1440 | Glei dicar | 2430 | Patc glabr 4 |
| 0231 | Anis avena 2 | 5460 | Gomp grand | 2438 | Patc serie |
| 0237 | Aotu erico | 1482 | Gomp latif | 2464 | Pers levis 3 |
| 2255 | Bank c.cri | 1490 | Gono teucr | 2465 | Pers linea 3 |
| 2274 | Bank p.pal | 1494 | Good b.bel 3 | 5783 | Pers m.nec |
| 0366 | Bank scrra | 5573 | Grev mucro 4 | 6809 | Petr pulch |
| 2295 | Bank s.spi 2 | 5580 | Grev olcoi | 6810 | Petr sessi 1 |
| 0371 | Baue rubio | 5632 | Ilaem plani | 2501 | Phyl hirte 2 |
| 4291 | Bill s.sca 1 | 1562 | Ilake dacty | 4818 | Pime l.cae |
| 0404 | Blec carti | 1571 | Hake serie 1 | 4819 | Pime l.lin 2 |
| 9126 | Blec spp. | 5664 | Hake t.ter | 6960 | Plat linea |
| 0426 | Boro ledif | 1596 | Hard viola 2 | 2395 | Podo ilici |
| 0438 | Boss heter 2 | 1617 | Heli elatu | 2677 | Poma umbel |
| 0439 | Boss obcor 3 | 5731 | Hibb a.asp | 7060 | Pora erici |
| 2624 | Boss scolo | 5734 | Hibb bract | 2683 | Pora micro |
| 2696 | Brac d.dap | 5735 | Hibb circu | 2777 | Pter escul |
| 0557 | Cale major | 1665 | Hibb denta | 9750 | Pter spp. |
| 0887 | Calo dubia | 5741 | Hibb fasci | 7232 | Pult ellip |
| 4081 | Cass glabe | 1675 | Hibb ripar 2 | 7237 | Pult flexi |
| 4680 | Cass glabc 1 | 5811 | Hove linea | 2857 | Pult linop |
| 3559 | Cass pubcs | 1711 | Hyba monop 1 | 7258 | Pult stipu |
| 0688 | Caus flexu | 5906 | Isop anero | 7292 | Rapa varia |
| 3690 | Cera apeta | 1848 | Kenn rubic | 2938 | Rici pinif |
| 3773 | Chilo stoeo | 6004 | Lamb formo | 3023 | Scac ramos |
| 3778 | Chor cando | 6032 | Leio diosm | 3026 | Sche undul |
| 0783 | Ciss hypog | 1920 | Lepi filif | 3030 | Schi bifid |
| 3886 | Cono erici | 1923 | Lepi later | 7444 | Schi dicho |
| 3890 | Cono tenui | 1927 | Lepi nees: | 3039 | Scho apogo |
| 0835 | Cory aconi | 1930 | Lepi troph | 3098 | Sela uligi |
| 1288 | Cory gumro 4 | 1939 | Lept acida | 7609 | Smil glyci 1 |
| 0881 | Cryp crect | 6077 | Lept arach | 7722 | Styl linea |
| 9269 | Cryp spp. | 6088 | Lept junip | 7723 | Styl produ |
| 0884 | Cryp subul | 6105 | Lept p.pol | 7766 | Syno g.gla |
| 0899 | Cyat diand 2 | 6114 | Lept squar | 7794 | Telo speci |
| 0953 | Damp papu | 1950 | Lept trine | 3348 | Tetr junce |
| 0958 | Damp stric | 6121 | Lepy scari | 4007 | Thel umbel |
| 9299 | Deno spp. | 6128 | Leuc ample | 5005 | Thel i.xi |
| 1027 | Dian c.cac | 1978 | Leuc erico | 9876 | Thel spp. |
| 4398 | Dian c.pro 2 | 1983 | Leuc l.lan | 3406 | Tode barba |
| 4408 | Dian r.rev 1 | 2014 | Lind linea | 7909 | Tris colli |
| 4476 | Dill flori | 2023 | Livi austr | 8007 | Viol siebe |
| 4481 | Dill retor | 4163 | Loma cylin | 8061 | Wool punge |
| 4558 | Dodo camfi | 4709 | Loma f.eor | 8078 | Xant media |
| 1093 | Dodo triqu | 4710 | Loma f.fil 2 | 3592 | Xant pilos |
| 1137 | Elae retie | 2043 | Loma glauc | 3594 | Xant tride 1 |
| 1155 | Empo minus | 2046 | Loma longi 2 | 8089 | Xylo pyrif 1 |
| 1161 | Ento margi | 4711 | Loma m.tab | 8094 | Xyri compl |
| 3790 | Ento stric 2 | 2048 | Loma m.mul 2 | 3595 | Xyri graci |
| 4785 | Epac longi | 6192 | Loma obliq 2 | 8135 | Zier pilos |
| 5250 | Epac m.mic | 6196 | Loma silai 2 | | |

Acac. lin. 2

Acianthe sp. 2

Acac. abteri. 2

Pult rosuarin 1

Demmiella punitio 1

Laganifera 2

Opercularia dyphe 1

Corybar sp. 1



Vegetation Assessment

500390

Q7

Project #: 4447 – Dend A3 SIS Gullies

Observer: SEW/EJS/NS/LEN

Date: 12/4/07

Location: Note: Easting and Northing is Mandatory for GIS

Waypoint: 012 ^{8VE} _{GPS} Easting 290608 Northing 6194775

Location description: gully - Wongawilli Gorge.

Photo numbers: 100-0004 camera 5

Topographical features

Slope 5° Aspect East
 Outcropping % 0 Surface Rock % 5
 Soil Type Sand Horizon visibility Poor

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|--------|--------------|--------------|-----|------|--|
| Upper | T | 20 | 25 | 25 | G | Euc. pip, |
| Mid | ST | 10 | 15 | 20 | G | Alloc iff |
| Lower | shrub | 2 | 4 | 45 | G | lerratic myric, laker dact, lept pot, |
| Ground | sedges | 0 | 0.5 | 35 | G | prost las, <u>keratop apetal</u> , <u>Alloc irr</u> , lerrand las, <u>Schoen melano</u> , <u>Plant. escul!</u> |

| Specht | FPC: 100-70% | 70-30% | 30-10% | <10% |
|-----------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 31m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10-30m | Closed-forest | Open-forest | <u>Woodland</u> | Open-woodland |
| Trees 5-10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25-2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community
 EBCs/Threatened Plants

General Habitat Description and comments

Fire History: 2001 fires
 Disturbance: Grazing, Roads, Powerlines, Erosion, Fire
 Adjacent land: Cleared, Residential, Scattered Trees, (Uncleared), Riparian vegetation
 RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture
 RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture
 Woods and Wood Density: No weeds.

Dense shrub + ground layer.
lots of leaf litter + fallen logs.

0178 Acac bincir
 1) 3631 Acac i. irr
 0055 Acac maide
 0057 Acac melan
 0115 Acme smith
 0116 Acro oblon
 0888 *Ager adeno
 0890 *Ager ripar
 9052 Amyc spp.
 1632 Arth tenel
 1684 Aspl austr
 0288 Aspl flabe
 2156 Back myrti
 1) 429 Bill s. sca
 2455 Blec canfi
 0404 Blec carti
 0409 Blec p. pat
 2681 Brac aceri
 2839 Brey oblon
 3212 Call serra
 0887 Calo dubia
 0623 Care appre
 0638 Care fasci
 0645 Care longe
 1) 3690 Cera apeta
 0783 Ciss hypog
 9228 Ciss spp.
 3822 Clao austr
 0788 Cleon arist
 3843 Cler tomen
 0822 Copr quadr
 9245 Copr spp.
 4094 Cryp glauc
 0881 Cryp crecl
 0895 Cyat austr
 0897 Cyat leich
 4331 Dend terra
 2) 4398 Dian c. pro
 1036 Dich repon
 1039 Dick antar
 1096 Dood asper
 4597 Dory sassa
 1122 Echi ovatu
 1137 Flae retic
 9345 Flae spp.
 4747 Emme alphi
 4760 Enci siebe
 2) 4161 Ento margi
 1254 Euca botry
 1274 Euca elata
 5016 Euca eugen
 4) 5113 Euca piper
 1344 Lupo lauri
 1346 Rust latif
 1350 Exoc cupre
 1366 Fiel austr
 1387 Gahn clark
 1) 1395 Gahn siebe
 1420 Geit cymos
 1427 Gera homea
 1457 Glyc tabac

3) 1490 Gono tener
 5626 Gymn ancep
 5698 *Hedy gardn
 1665 Hibb denta
 5752 Hibb scand
 5830 Hydr pedun
 1731 Hymn denta
 1751 Hypo muell
 3) 1923 Lepi later
 2023 Livi austr
 2) 2046 Loma longi
 2125 Mars rostr
 6371 Melo austr
 5) 2179 Micr s. sti
 2184 Micr scand
 2218 Mono ellip
 2224 Mori jasmu
 2229 Mueh graei
 6492 Note longi
 6579 Opli aemul
 2381 Oxal exili
 2) 3662 Oxal spp.
 6630 Ozot diosm
 6641 Palm scand
 6647 Pand p. pan
 9674 Pars spp.
 6685 Pars stram
 2449 Pell falca
 6935 Pitt multi.
 2542 Pitt revol
 2543 Pitt undul
 2574 Plec tride
 2575 Plec parvi
 4694 Poa l. lab
 7015 Poly cunni
 2642 Poly murra
 7082 Prat purpu
 1) 3923 Pros incis
 4) 274 Pros lasia
 7149 Pscu varia
 7163 Psyc lonic
 3) 2777 Pter escul
 2791 Pter curta
 2810 Pter pedun
 9750 Pter spp.
 7237 Pult flexi
 2883 Pyrr rupes
 2916 Rapa howit
 7292 Rapa varia
 5302 *Rubu chloo
 7356 Rubu m. mol
 7358 Rubu nebul
 9782 Rume spp.
 3026 Sche undul
 7446 Schi ovata
 3166 Smil austr
 7609 Smil glyci
 3250 Stel flacc
 7698 Sten salig
 7702 Step j. dis
 3330 Symp thwai

7766 Syno g. gla
 7787 Tasr. insip
 7909 Tris colli
 7912 Troc lauri
 3467 Tylo barba
 3476 Urti incis
 7999 Viol heder
 3605 Zier smith

1 Aelrop pulcr
 1 Xanth med
 1 Lomat silaif
 1 Cassinia sp.

4 schoen malario
 3 lomat myric
 4 Alloc litt
 4 Hake dact
 3 Nemato squam
 2 Dodon triquet
 3 Grew murro
 4 Damp purp
 2. Cassinia a. acul
 1 Good bellid
 1 Paranth conymb
 1 Pinnet linif
 2 Pheb squam
 1 Ampor xiph
 1 Persson pinif
 3 Lasiopet ferr
 1 Leucop lance
 4 Chiloglot sp.
 2 Astrot lang
 1 Platys lance
 1 Paranth micro
 1 Good ~~had~~ hetero
 Lagenifera stipit
 2 Dodon multij
 1 Veronic pleb.
 2 Pomad interm
 1 Eucbiton sp.
 2 Sarcoc asp.
 1 lept poly
 1 Hickea seric



Vegetation Assessment

500391

Q8

Project #: 4447 - Dend A3 SIS Ridges

Observer: SEW/KEN/NS/BIS

Date: 12/4/07

Location: Note: Easting and Northing is Mandatory for FIS

Waypoint: 014 GPS9 Easting 290645 Northing 6195539

Location description: Wongawilli Creek

Photo numbers: 100-0007 - camera 5

| Topographical features | |
|------------------------|--------------------------------|
| Slope <u>5</u> | Aspect <u>West</u> |
| Outcropping % <u>0</u> | Surface Rock % <u>0</u> |
| Soil Type <u>sand</u> | Horizon visibility <u>Poor</u> |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|-------|--------------|--------------|-----|------|---|
| Upper | T | 15 | 20 | 20 | G | Euca racem, Euca pip. |
| Mid | ST | 2 | 5 | 15 | G | lept trin, juvenile Eucs Acac rubrid |
| Lower | shrub | 1 | 2 | 40 | G | Acac limit, Isop anam, <u>Prunel link</u> Hake daci, Bank eric |
| Ground | sedge | 0 | 0.5 | 50 | G | lepy srag, lept levas, good hed. |

| Specht | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: SGAE

EFCs/Threatened Plants: _____

General Habitat Description and comments

Fire History: 2001 fire

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Ajacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCR (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture

RESILIENCB (Disturbed Soil Profile) - Permanly altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: No weeds

5128 Acac longi
 0053 Acac lilon
 0092 Acac suave
 0095 Acac termi
 0098 Acac ulici 1
 3650 Acti helia 2
 0857 Acti minor 1
 0677 Allo litto
 0206 Ampe x.xip 1
 9052 Amye spp.
 0231 Anis avena 1
 0237 Aotu erico
 2255 Bank e.eri 3
 2274 Bank p.pal 2
 0366 Bank serra
 2295 Bank s.spi 2
 0371 Baue rubio 1
 4291 Bill s.sca
 0404 Blec carti
 9126 Blec spp.
 0426 Boro ledif 3
 0438 Boss heter 2
 0439 Boss obsc 2
 2674 Boss scolo 1
 2696 Brac d.dap
 0557 Cale major
 0887 Calo dubia
 4681 Cass glabe
 4680 Cass glabe 2
 3559 Cass pubes
 0688 Caus flexu
 3690 Cera apeta 1
 3773 Chlo stoece 1
 3778 Chor cando
 0783 Ciss hypog
 3886 Cono erici
 3890 Cono tenui 2
 0835 Cory aconi
 1288 Cory gummi
 0881 Cryp erect
 9269 Cryp spp.
 0884 Cryp subul
 0899 Cyat diand 3
 0953 Damp purpu
 0958 Damp stric
 9299 Dend spp.
 1027 Dian c.cae
 4398 Dian c.pro
 4408 Dian r.rev
 4476 Dill flori 3
 4481 Dill retor 1
 4558 Dodo camfi 2
 1093 Dodo triqu 1
 1137 Elae retic
 1155 Empo minus
 1161 Ento margi
 3790 Ento stric 2
 4785 Epac longi
 5250 Epac m.mic 1

4788 Epac pulch 2
 4891 Erio austr 1
 1281 Euca globo
 5033 Euca haema
 5115 Euca piper 2
 5142 Euca racem 4
 1318 Euca siebe
 1395 Galm siebe
 9391 Gahn spp.
 1440 Glei dicar 1
 5460 Gomp grand 1
 1482 Gomp latif 1
 1490 Gono teucr 3
 1494 Good b.bel
 5573 Grev mucro
 5580 Grev oleoi
 5632 Haem plani
 1562 Hake dacty 2
 1571 Hake serie 2
 5664 Hake t.ter
 1596 Hard viola
 1617 Heli elatu
 5731 Hibb a.asp
 5734 Hibb braet
 5735 Hibb circu 3
 1665 Hibb denta
 5741 Hibb fasei
 1675 Hibb ripar 1
 5811 Hlove linea
 1711 Hyba monop
 5906 Isop anemo 1
 1848 Kenn rubic
 6004 Lamb formo
 6032 Leio diosm
 1920 Lepi filif
 1923 Lepi later
 1927 Lepi neesi
 1930 Lepi uroph 1
 1939 Lept acida
 6077 Lept arach
 6088 Lept junip
 6105 Lept p.pol 1
 6114 Lept squar
 1950 Lept trinc 4
 6121 Lepy scari 3
 6128 Leuc ample
 1978 Leuc erico 2
 1983 Leuc l.lan
 2014 Lind linea 1
 2023 Livi austr
 4163 Loma cylin 2
 4709 Loma f.cor
 4710 Loma f.fil 1
 2033 Loma glauc 2
 2046 Loma longi 1
 4711 Loma m.tub
 2048 Loma m.mul
 6192 Loma obliq 1
 6196 Loma silai 1

2079 Lyco deute
 6307 Mars suave
 2179 Micr s.sti 1
 2205 Mirb rubii 1
 2218 Mitr polym 1
 2218 Mono ellip
 2220 Mono scopi 1
 2232 Muel oclas
 6492 Note longi
 2436 Pate glabr 3
 2438 Pate seric 1
 2464 Pers levis
 2465 Pers linea
 6783 Pers m.nec
 6309 Petr pulch 1
 6310 Petr sessi 1
 2501 Phyl hurte
 4818 Pime l.cae
 4819 Pime l.lin 2
 6960 Plat linea 3
 2395 Podo ilici
 2677 Poma umbel
 7060 Pora erici
 2683 Pora micro
 2777 Pter escul 2
 9750 Pter spp.
 7232 Pult ellip
 7237 Pult flexi
 2857 Pult linop
 7258 Pult stipu
 7292 Rapa varia
 2938 Rici pimif
 3023 Scac ramos
 3026 Scho undul
 3030 Schi bifid
 7444 Schi dicho
 3039 Scho apogo
 8098 Sele uligi 1
 7609 Smil glyci
 7722 Styl linea
 7723 Styl produ
 7766 Syno g.gla
 7794 Telo speci
 3348 Tetr junce
 4007 Thel umbel
 5005 Thel i.xi
 9876 Thel spp.
 3406 Tode barba
 7909 Tris colli
 8007 Viol siebe 1
 8061 Wool punge
 8078 Xant media 1
 3592 Xant pilos 3
 3594 Xant tride 3
 8089 Xylo pyrif
 8094 Xyri compl
 3595 Xyri graci
 8135 Zier pilos

Grand. diam. 2
 Amye. tub. 1
 A. rev. sph. 2
 Acac lin. 4
 Gomp. minor 1
 Acac rubida 4
 Schoen. melano 1
 - ~~Cost. Plub. squa~~ 1
 Astro long. 2
 Brant. carumh. 1
 Micranthem. eric. 2
 Dactyl. mult. 1
 Laxmannia grac. 2
 Comatic. divise 1
 Platycore. eric. 2
 Styph. trif. (?) 1
 Darwinia grand. 1
 Lepto rotund. 1
 Acac. binoc. 1
 Lasia ferrug. 3
 Acac. icest. 1
 Lepto tang. 3
 Acac. abtes. 1
 O. ax. stricta 1



Vegetation Assessment

500392

Q9

Project #: 4447 - Dend A3 SIS Ridges

Observer: SEW/BJS/NS/KEN

Date: 12/4/07

Location Note: Easting and Northing is Mandatory for FIS

Waypoint: O1S 989 Easting 290901 Northing 6196574

Location description: west of Wangwilli creek.

Photo numbers: 100-0008 camera 5

Topographical features

Slope 3 Aspect east

Outcropping % 5 Surface Rock % 0

Soil Type sand Horizon visibility Poor

| Strata | Form | Lower Height | Upper Height | PPC | Cond | Dominant Species |
|------------------------------|----------------------|--------------|--------------------|-----|-----------------|--|
| Upper | T | 12 | 20 | 85 | G | Eucal pif, Euc punct |
| Mid | ST | 6 | 10 | 15 | G | Alloe litt |
| Lower | shrub | 1 | 4 | 20 | G | Dead trian, leptan, Acac term, Acac long |
| Ground | sedge plain | 0 | 0.5 | 20 | G | Isomand long, lepidol later |
| Species | FPC: 100-70% | | 70-30% | | 30-10% | <10% |
| Trees > 30m | Tall closed-forest | | Tall open-forest | | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | | Open-forest | | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | | Low open-forest | | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | | V. low open-forest | | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | | | |
| Sclerophyll | Closed Heathland | | Heathland | | Open heathland | Sparsc heathland |
| Non-sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | Low open-shrubland |
| Mapped community | <u>SAPP</u> | | | | | |
| EEC/Threatened Plants | | | | | | |

General Habitat Description and comments

Fire History: 2001 fire

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: NO WEEDS

| | | | | | | | | | | |
|---|------|-------------|------|------------|------------|------------|------------|---------------|--------------|--------------|
| 3 | 5128 | Acac longi | 4788 | Epac pulch | 2079 | Lycx dentc | 2 | Euc punct | | |
| | 0053 | Acac l.lon | 4893 | Erio austr | 6307 | Mars suave | 2 | Cerato gum | | |
| | 0092 | Acac suave | 1281 | Euca globo | 2179 | Micr s.sti | 3 | Dodon multi | | |
| 2 | 0095 | Acac termi | 5033 | Euca haema | 2205 | Mirb rubii | 3 | Astrot long | | |
| 1 | 0098 | Acac ulioi | 4 | 6113 | Euca piper | 2211 | Mitr polym | 1 | Pult vill | |
| 1 | 3650 | Acti helia | 5142 | Euca racem | 2218 | Mono ellip | 2 | Mieran eric | | |
| | 0857 | Acti minor | 1318 | Euca siebc | 2220 | Mono scopu | 2 | ch. logot sp. | | |
| 4 | 0677 | Allo lito | 1395 | Gahn siebc | 2232 | Muel celas | 2 | Lasiop ferr | | |
| 2 | 0206 | Ampe x.xip | 9391 | Gahn spp. | 6492 | Note longi | 2 | Acac binerui | | |
| | 9052 | Amye spp. | 1 | 1440 | 2 | 2436 | 1 | Acianthus sp. | | |
| | 0231 | Anis avena | | 5460 | | 2438 | 1 | Nemat squam | | |
| | 0237 | Aotu crico | 2 | 1482 | | 2464 | 1 | Callist citr. | | |
| | 2255 | Bank c.cri | 4 | 290 | | 2465 | 1 | Sticher flab | | |
| | 2274 | Bank p.pal | | 1494 | | 6783 | | Burs spin | | |
| | 0366 | Bank serra | 3 | 5573 | | 6809 | 2 | Acac linif | | |
| 1 | 2295 | Bank s.spi | | 5580 | | 6810 | 1 | Melal squar | | |
| | 0371 | Baue rubio | | 5632 | | 6810 | 2 | Schaen melano | | |
| 1 | 4291 | Bill s.sca | 1 | 1362 | | 2 | 2501 | 1 | Phob squam | |
| | 0404 | Bloc carti | 3 | 1571 | | 4818 | 2 | 4819 | 1 | Solan prinap |
| | 9126 | Bloc spp. | | 5664 | | 1 | 6960 | | Good heitero | |
| 2 | 0426 | Boro ledif | 1 | 1596 | | 2395 | | 9750 | 2 | Acac irror |
| | 0438 | Boss heter | | 1617 | | 2677 | | 7060 | 2 | Opere aspera |
| | 0439 | Boss obsc | 3 | 5731 | | 7060 | | 2683 | 1 | Balost grae |
| | 2624 | Boss scolo | 2 | 5734 | | 2683 | | 2777 | 1 | Cassin acul |
| | 2696 | Brac d.dap | | 5735 | | 9750 | | 9750 | | Prost las |
| | 0557 | Cale major | | 1665 | | 7232 | | 7232 | | |
| | 0887 | Calo dubia | | 5741 | | 7237 | | 7237 | | |
| 2 | 4681 | Cass glabe | | 1675 | | 2857 | | 7258 | | |
| | 4680 | Cass glabe | 1 | 5811 | | 7258 | | 7292 | | |
| | 3559 | Cass pubes | | 1711 | | 7292 | | 2938 | | |
| | 0688 | Caus flexu | | 5906 | | 7292 | | 3023 | | |
| 2 | 3690 | Cera apeta | | 1848 | | 2938 | | 3026 | | |
| | 3773 | Chilo stoec | 2 | 6004 | | 3023 | | 3030 | | |
| | 3778 | Chor cando | | 6032 | | 3026 | | 7444 | | |
| | 0783 | Ciss hypog | | 6032 | | 3030 | | 7444 | | |
| | 3886 | Cono erici | 4 | 1923 | | 3039 | | 3098 | | |
| 1 | 3890 | Cono tenui | | 1927 | | 3098 | | 7609 | | |
| | 0835 | Cory acoui | | 1930 | | 3098 | | 7722 | | |
| | 1288 | Cory gummi | | 1939 | | 7609 | | 7722 | | |
| | 0881 | Cryp erect | | 6077 | | 7722 | | 7723 | | |
| | 9269 | Cryp spp. | | 6088 | | 7723 | | 7766 | | |
| | 0884 | Cryp subul | | 6105 | | 7766 | | 7794 | | |
| 2 | 0899 | Cyat diand | | 6114 | | 7794 | | 3348 | | |
| 2 | 0953 | Damp purpu | 1 | 1950 | | 3348 | | 4007 | | |
| | 0958 | Damp stric | | 6121 | | 4007 | | 5005 | | |
| | 9299 | Dend spp. | | 6128 | | 5005 | | 9876 | | |
| 2 | 1027 | Dian c.cae | | 1978 | | 9876 | | 3406 | | |
| | 4398 | Dian c.pro | 1 | 1983 | | 3406 | | 7909 | | |
| | 4408 | Dian r.rev | | 2014 | | 7909 | | 8007 | | |
| | 4476 | Dill flori | | 2023 | | 8007 | | 8061 | | |
| | 4481 | Dill retor | | 4163 | | 8061 | | 8078 | | |
| | 4558 | Dodo camfi | | 4709 | | 8078 | | 1 | 3592 | |
| 5 | 1093 | Dodo triqu | 1 | 4710 | | 1 | 3594 | | 8089 | |
| | 1137 | Elae retic | | 2043 | | 1 | 3594 | | 8094 | |
| | 1155 | Empo minus | 3 | 2046 | | | 8089 | | 3595 | |
| 2 | 1161 | Ento margi | | 4711 | | | 8094 | | 8135 | |
| | 3790 | Ento stric | | 2048 | | | 3595 | | | |
| | 4785 | Epac longi | 1 | 6192 | | | 8135 | | | |
| | 5250 | Epac m.mic | 2 | 6196 | | | | | | |

500393



Vegetation Assessment

110

Project #: 4447 – Dend A3 SIS Ridges
Observer: SEW / KEN
Date: 2/4/07

Photo to come

Location: Note: Easting and Northing is Mandatory for FIS
Waypoint: 016 GPS 9 **Easting:** 2909164 **Northing:** 617917357
Location description: East of Wongawilli ck
Photo numbers:

Topographical features:
Slope: 5° **Aspect:** East
Outcropping %: No **Surface Rock %:** No
Soil Type: Sand **Horizon visibility:** Prev

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|---------|--------------|--------------|-----|------|---|
| Upper | — | 12 | 15 | 15% | Good | Euc. rad. n. n. Euc. p. p. Allocasuarina littoralis |
| Mid | ST | 2 | 5 | 30% | Good | Dianella serrata Leprospermum fr. nervosum Acac. rubida A. terminalis |
| Lower | Shrub | 1 | 2 | 50% | Good | Acac. linifolia, Tetra. n. n., Wongawilli Pteridium aquilinum, water lily |
| Ground | Grasses | 0 | 12m | 50% | Good | Poa. n. n., Setaria n. n., S. n. n. n. Grass mat, L. n. n. n. n., Actin. n. n. |

| Specht | FPC: 100-70% | 70-30% | 30-10% | <10% |
|-----------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10-30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5-10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25-2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open shrubland |

Mapped community: SCPE
EECs/Threatened Plants:

General Habitat Description and comments:
Fire History: 200: adjacent (10-20m away)
Disturbance: Grazing, Roads, Powerlines, Erosion, Fire
Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation
RESILIENCE (Natural Soil Profile): Good, Moderate, Poor, Very Poor/native pasture
RESILIENCE (Disturbed Soil Profile): Permanently altered, Reveg area, Open space/exotic pasture
Weeds and Weed Density: No weeds.

| | | | | | | |
|----------|-------------|----------|-------------|----------|-------------|---------------------|
| 5128 | Acac longi | 4788 | Epac pulca | 2079 | Lycy deute | |
| 2 (0053) | Acac l. lon | 2 (4893) | Erio austr | 6307 | Mars suave | 3 Acac nitida |
| 0092 | Acac suave | 1281 | Euca globo | 2179 | Micr s. sti | 3 Arca linifolia |
| 2 (0095) | Acac termi | 5033 | Euca haema | 1 (2205) | Mirb rubii | 1 Beckia limifolia |
| 1 (0098) | Acac ulici | 1 (5113) | Euca pipe: | 2211 | Mitr polym | • Bismarck gracil |
| 2 (3650) | Acti helia | 4 (5142) | Euca racem | 2218 | Mono ellip | • Styl. trif |
| 1 (0857) | Acti minor | 1318 | Fuca siebe | 2220 | Mono scopa | 2 Platysace arec |
| 2 (0677) | Allo litto | 1 (395) | Gahn siebe | 2232 | Muel celas | 1 Comandra guacii |
| 2 (0206) | Ampy x. xip | 9391 | Gahn spp. | 6492 | Note longi | 2 Aravillea spath |
| 9052 | Amye spp. | 1440 | Glei dicar | 2 (2435) | Pate glabr | 2 Mikranth eric |
| 2 (0231) | Anis avena | 1 (5460) | Gomp grand | 2438 | Pate seric | 1 Telop. spec |
| 0237 | Aotu erico | 1482 | Gomp latif | 2464 | Pers levis | 2 Astritridi. lomay |
| 2 (2255) | Bank e. eri | 2 (490) | Gono teucr | 2465 | Pers linea | 1 Comperum tax |
| 3 (2274) | Bank p. pal | 1494 | Good b. bel | 6783 | Pers m. nec | 1 Acac binariata |
| 3 (0366) | Bank serra | 3 (5573) | Grev macro | 6809 | Petr pulch | 2 Schoenus molau |
| 2 (2295) | Bank s. spi | 1 (5580) | Grev oleoi | 3 (6810) | Petr sessi | 1 Astroloma inun |
| 0371 | Bauc rubio | 5632 | Haem plani | 2501 | Phyl hirtc | 1 Calustoman scabr |
| 4291 | Bill s. sca | 2 (4562) | Hake dacty | 4818 | Pime l. cac | 1 Dodon multij |
| 0404 | Blec carti | 2 (1571) | Hake seric | 3 (4819) | Pime l. lin | 1 Inepetod ramosa |
| 9126 | Blec spp. | 5664 | Hake t. ter | 2 (6966) | Plat linea | |
| 3 (0426) | Boro ledif | 1596 | Ilard viola | 2395 | Podo iliei | |
| 2 (0438) | Boss heter | 1617 | Heli elatu | 2677 | Poma umbel | |
| 2 (0439) | Boss obsc | 5731 | Hibb a. asp | 2 (7060) | Pora erici | |
| 1 (2624) | Boss scolo | 2 (5734) | Hibb braet | 2683 | Pora micro | |
| 1 (2696) | Brac d. dap | 3 (5735) | Hibb circ | 2777 | Pter escul | |
| 0557 | Cale major | 1665 | Hibb denta | 9750 | Pter spp. | |
| 0887 | Calo dubia | 5741 | Hibb fasci | 7232 | Pult ellip | |
| 4681 | Cass glabe | 1675 | Hibb ripar | 7237 | Pult flexi | |
| 4680 | Cass glabe | 5811 | Hove linea | 2857 | Pult linop | |
| 2 (3559) | Cass pubes | 1711 | Hylba monop | 7258 | Pult stipu | |
| 0688 | Caus flexu | 3 (6906) | Isop anemo | 7292 | Rapa varia | |
| 3690 | Cera apeta | 1848 | Kenn rubic | 2 (2938) | Rici pinif | |
| 1 (3773) | Chlo stoe | 3 (6004) | Lamb form | 3023 | Scae ramos | |
| 3778 | Cher cando | 6032 | Leio diosm | 3026 | Sehe undul | |
| 0783 | Ciss hypog | 1920 | Lepi filif | 3030 | Schi bifid | |
| 3886 | Cono erici | 3 (1923) | Lepi later | 7444 | Schi dicho | |
| 4 (3890) | Cono tenui | 1927 | Lepi neesi | 2 (3039) | Scro apogo | |
| 0835 | Cory aconi | 1930 | Lepi uropa | 3098 | Sela uligi | |
| 1288 | Cory gummi | 1939 | Lept acida | 7609 | Smil glyc: | |
| 0881 | Cryp erect | 6077 | Lept arach | 7722 | Styl linea | |
| 9269 | Cryp spp. | 6088 | Lept junip | 7723 | Styl produ | |
| 0884 | Cryp subul | 2 (6105) | Lept p. pol | 7766 | Syno g. gla | |
| 2 (0899) | Cyat diand | 6114 | Lept squar | 7794 | Telo speci | |
| 1 (0953) | Damp purpu | 1 (1950) | Lept trine | 3348 | Tetr junce | |
| 0958 | Damp stric | 6121 | Lepy scari | 4007 | Thel umbel | |
| 9299 | Dend spp. | 6128 | Leuc ample | 5005 | Thel lixi | |
| 1027 | Dian c. cae | 1978 | Leuc erico | 9876 | Thel spp. | |
| 4398 | Dian c. pro | 1983 | Leuc l. lau | 3406 | Tode barba | |
| 4408 | Dian r. rev | 2014 | Lind linea | 7909 | Tris colli | |
| 3 (4476) | Dill flori | 2023 | Livi austr | 8007 | Viol siebe | |
| 1 (4481) | Dill retor | 4163 | Loma cylin | 8061 | Wool pungc | |
| 4558 | Dodo camfi | 4709 | Loma f. cor | 2 (8078) | Xant media | |
| 1 (4023) | Dodo triqu | 2 (4710) | Loma f. fil | 2 (3592) | Xant pilos | |
| 1137 | Elae retic | 2043 | Loma glauc | 3594 | Xant tride | |
| 1155 | Empo minus | 1 (2046) | Loma longi | 8089 | Xylo pyrif | |
| 1161 | Ento margi | 4711 | Loma m. tub | 8094 | Xyri compl | |
| 2 (3790) | Ento stric | 1 (2048) | Loma m. mul | 3595 | Xyri graci | |
| 4785 | Epac longi | 6192 | Loma obliq | 8135 | Zier pilos | |
| 5250 | Epac m. mic | 6196 | Loma silai | | | |



Vegetation Assessment

Q 10

S400
SOD 401

Project #: 4447 - Dend A3 SIS Swamps

Observer: NS KEN

Date: 18/4/07

Location Note: Easting and Northing is Mandatory for FIS

Waypoint: 14 GPS 14 Easting 289494 Northing 6194097

Location description:

Sandstone Gully Peppermint Forest on E-facing spur unroad downhill

Photo numbers: # 100-0014
65

| | |
|-------------------------------|--|
| Topographical features | |
| Slope 10-15 | Aspect E |
| Outcropping % Nil | Surface Rock % 10 - surrounding outcropping (not within) |
| Soil Type Sand | Horizon visibility Nil |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|----------------|--------------|--------------|-----|------|--|
| Upper | Tree canopy | 10 | 12 | 30 | Good | Euc pipex Euc rostrm Euc scrib |
| Mid | S-Tree | 5 | 7 | 40 | Good | Warran grass Bank sscr |
| Lower | Shrub | 1 | 2 | 40 | Good | Bank spc Juvenile Euc spp. Acac spp. |
| Ground | Sedges & Herbs | 0 | 0.5 | 30 | Good | Lomandra spp sedges Leptocarp |

| Species | PFC: 100-70% | 70-30% | 30-10% | <10% |
|-----------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10-30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5-10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25-2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low open-scrub | Low shrubland | Low open-shrubland |

Mapped community Check mapping on edge of ESSW & ESSW
PFCs/Threatened Plants Nil

General Habitat Description and comments

Fire History: lasts 2-3yrs
 Disturbance: Grazing, Roads, Powerlines, Erosion, Fire
 Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation
 RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture
 RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture
 Weeds and Weed Density:
Gully Peppermint Forest - further up hill than mapped
Very high litter load (Euc) & Euc regen

0095 Acac termi
 0857 Acti minor
 2862 Alma palud
 0231 Anis avena
 2186 Baec imbri
 0355 Baec linif
 2255 Bank e.eri
 2269 Bank oblon
 2274 Bank p.pal
 2281 Bank robur
 (2295) Bank s.spi 4
 2308 Baue micro
 0371 Baue rubio
 0379 Baum rubig
 2320 Baum teret
 (4291) Bill s.sca 2
 2439 Blen nobil
 9125 Blen spp.
 0429 Boro parvi
 2578 Boro serru
 0438 Boss heter
 2624 Boss scolo
 2879 Brun austr
 4680 Cass glabe
 0764 Chor cyruba
 0767 Chor sphac
 9217 Chor spp.
 (8899) Cyal diand 2
 (8958) Damp stric 1
 4476 Dill flori
 5934 Dill rudis
 1103 Dros binat
 1109 Dros sparv
 1155 Empo minus
 (3790) Ento stric 1
 5250 Epac m.mic
 1168 Epac obtus
 9373 Euca spp.
 1440 Glei dicar
 1441 Glei micro
 (5460) Gomp grand 1
 5461 Gomp minus
 1489 Goro tetra
 5482 Good d.dim
 (4543) Good l.hed 2
 1514 Good stell
 5596 Grev s.ser
 9427 Grev spp.
 1555 Gymn aphac
 5632 Hacm plani
 9432 Haem spp.
 (1562) Hake dacty 3
 5664 Hake l.ter
 1654 Herna u.unc
 1675 Hibb ripar
 1921 Lepi forsy
 1924 Lepi limic
 1927 Lepi neesi
 1938 Lept tenax
 1956 Lept conti
 6088 Lept junip

1958 Lept lanig
 6105 Lept p.pol
 6114 Lept squar
 1966 Lepy anart
 1968 Lepy muell
 6121 Lepy scari
 2014 Lind linea
 (4163) Loma cylin 1
 4711 Loma r.tub
 6345 Mela thymi
 4735 Mirr p.pil
 6431 Mono linif
 6577 Oper diphy
 2438 Pate seric
 (6819) Petr pulch 1
 (6960) Plat linca 2
 7203 Ptil deust
 9769 Rhyt spp.
 3030 Sch. bifid
 3041 Scho brevi
 7458 Scho palud
 3098 Sela uligi
 3207 Sowe junce
 4725 Spha minus
 3221 Spha virin
 3231 Sprc incar
 7722 Styl lirca
 9876 Thel spp.
 8007 Viol siche
 8079 Xant m.min
 8080 Xant resin
 3591 Xant disse
 (3594) Xant tride 1
 8094 Xyri compl
 3595 Xyri graci
 3597 Xyri operc

Perso lauis
 Lamb form 2
 Mono scop 1
 Loma obliqua 3
 Xanth pibora 1
 Platy enc 1
 Mitri castosa 1
 Laxna graci 1
 Acac suav 2
 Goro tax 2
 Pater glabo 3
 Loman glauc 3
 Telap speci 1
 Hovoa vine 1
 Pter escu 1
 Acac obtus 2
 Loman mult 1
 Schoen apoc 2
 Lepto acida 1

Evca pipa 4
 Gynm gumm 5
 Euc. vace 2
 Bank serr 4
 Lept trin 2
 Acac myrt 4
 Eric aust 1
 takea serr 3
 Pime liri 3
 Hugi herb 2
~~Grev sp.~~
 Enacopogon anera 2
 Loma fili.f 1
 Boss obtund 3
 Dill tric 4
 Grev spach 3
 Arac lini 2
 Isopog anem 3
 Brachy dupin 1
 Lepi scari 3



Vegetation Assessment

500402

011

Project #: 4447 - Dend A3 SIS Ridges

Observer: NS KEN

Date: 13/4/07

Location: Note: Easting and Northing is Mandatory for FIS

Waypoint: WP017 GPS 14 Easting 288812 Northing 6193413

Location description: EESW w/ loamy influence (boundary transition)

Photo numbers: 1000018 <5

Topographical features:

Slope 0° Aspect NIR

Outcropping % Nil Surface Rock % Nil

Soil Type Loamy sand soil Horizon visibility 100m

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|----------------|--------------|--------------|-----|------|---|
| Upper | Canopy Trees | 12 | 15 | 35 | Good | Euc. Sieberi * racemosa * oblonga |
| Mid | Tree | 8 | 10 | 20 | Good | Scaevola gummata Xylo. Fyff Immature Euc. spp. |
| Lower | Shrub | 1 | 3 | 10 | Good | Azac spp Grevill. spath Lamp Bank 3m sp |
| Ground | Sedges & herbs | 0 | 1 | 35 | Good | Grass sward Linnard Pim lin spp Misc. non-vascular spp |

| Specht | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: EESW w/ loamy influence (boundary transition)

EECs/Threatened Plants:

General Habitat Description and comments:

Fire History: 5-10

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees (Uncleared), Riparian vegetation

RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor / native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: Nil

5128 Acac longi
 0053 Acac l.ion
 0092 Acac suave
 0095 Acac termi
 2 0098 Acac ulici
 3650 Acti helia
 0857 Acti minor
 0677 Allo litto
 3 0206 Ampe x.xip
 9052 Amye spp.
 2 0231 Anis avena
 0237 Aotu erico
 2255 Bank e.cri
 2274 Bank p.pal
 0366 Bank serra
 4 2295 Bank s.spi
 0371 Baue rubio
 1 429 Bill s.sca
 0404 Blec carti
 9126 Blec spp.
 0426 Boro ledif
 + 0438 Boss heter
 4 0439 Boss oboer
 2624 Boss scolo
 2696 Brac d.dap
 0557 Cale major
 0887 Calo dubia
 4681 ~~Cass glabe~~
 1 4680 Cass glabc
 3559 Cass pubes
 0688 Caus flexu
 3690 Cera apeta
 3773 Chlo stoec
 3778 Chor cando
 0783 Ciss hypog
 3886 Cono erici
 3890 Cono tenui
 0835 Cory aconi
 5 1288 Cory gummu
 0881 Cryp erect
 9269 Cryp spp.
 0884 Cryp subul
 5 0899 Cyat diand
 0953 Damp purpu
 2 0958 Damp stric
 9299 Dend spp.
 1027 Dian c.cac
 4398 Dian c.pro
 1 4408 Dian r.rev
 4476 Dill flori
 4481 Dill retor
 4558 Dodo canfi
 1093 Dodo triqu
 1137 Elae retic
 1155 Empo minus
 3 1161 Ento margi
 3790 Ento stric
 4785 Epac longi
 5250 Epac m.mic

4788 Epac pulch
 3 4893 Erio austr
 1281 Euca globo
 5033 Euca hacma
 5115 Euca piper
 2 5142 Euca racem
 4 1318 Euca siebe
 1395 Gahn siebe
 9391 Gahn spp.
 1440 Glei dicar
 3 5460 Gomp grand
 1482 Gomp latil
 1490 Gono teucr
 1494 Good b.bel
 5573 Grev macro
 5580 Grev oleoi
 5632 Haem plani
 3 1562 Hake dacty
 2 1571 Hake seric
 5664 Hake t.ter
 1596 Hard viola
 1617 Heli elatu
 5731 Hibb a.asp
 5734 Hibb bract
 5735 Hibb circu
 1665 Hibb denta
 5741 Hibb fasci
 3 1675 Hibb ripar
 5811 ~~Hove linea~~
 1711 Hyba monop
 3 5906 Isop anemo
 1848 Kenn rubic
 4 6004 Lamb formo
 6032 Leio diosm
 1920 Lepi filif
 1923 Lepi later
 1927 Lepi neesi
 1930 Lepi uroph
 1 1939 Lepi acida
 6077 Lepi arach
 6088 Lepi junip
 6105 Lepi p.pol
 6114 Lepi squar
 1950 Lepi trine
 6121 Lepy scari
 6128 Leuc ample
 1978 Leuc erico
 1983 Leuc l.lan
 2 2014 Lind linea
 2023 Livi austr
 4163 Loma cylin
 4709 Loma f.cor
 3 4710 Loma f.fil
 2043 Loma glauc
 2046 Loma longi
 4711 Loma m.tub
 2048 Loma m.mul
 2 6192 Loma obliq
 3 6196 Loma silai

3 wood heder

2079 Lyco deute
 6307 Mars suave
 2179 Micr s.sti
 2205 Mirb rubii
 2211 Mitr pulyrn
 2218 Mono ellip
 1 2220 Mono scopo
 2232 Muel celas
 6492 Note longi
 2 2436 Pate glabr
 2438 Pate seric
 3 2464 Pers levis
 2465 Pers linea
 6783 Pers m.nec
 6809 Petr pulch
 1 6810 Petr sessi
 2501 Phyl hirte
 4818 Pine l.cae
 5 4819 Pine l.lin
 2 6960 Plat linea
 2395 Podo ilici
 2677 Pona umbel
 7060 Pora erici
 2683 Pora micro
 2777 Pter escul
 9750 Pter spp.
 7232 Pult ellip
 7237 Pult flexi
 2857 Pult linop
 7258 Pult stipu
 7292 Rapa varia
 2938 Ricci pinif
 1 3023 Scae ramos
 3026 Sche undul
 3030 Schi bifid
 7444 Schi dicho
 3039 Scho apogo
 3098 Sela uligi
 7609 Smul glyci
 7722 Styl linea
 7723 Styl produ
 7766 Syno g.gla
 7794 Telo spcci
 3348 Tetr junce
 4007 Thel umbel
 5005 Thel iixi
 9876 Thel spp.
 3406 Tode barba
 7909 Tris colli
 8007 Viol siebe
 8061 Wool punge
 1 8078 Xant media
 3592 Xant pilos
 3594 Xant tride
 3 8089 Xylo pyrif
 8094 Xyri compl
 3595 Xyri graci
 8135 Zier pilos

4 Euca dolanyn
 4 Grew spath
 7 Vitis lousina

3 Acac lin
 1 Acacia nothus
 3 Acac myrt
 3 Micran erico

| | | | | | |
|----------|-----------------------|----------|-------------|----------|------------|
| 5128 | Acac longi | 4788 | Epac pulch | 2079 | Lycy deute |
| 0053 | Acac l.lon | 4893 | Erio austr | 6307 | Mars suave |
| 0092 | Acac suave | 1281 | Fuca globo | 1 (2179) | Mier s.sti |
| 2 (0095) | Acac termi | 5033 | Fuca haema | 2205 | Mirt rubii |
| 0098 | Acac ulici | 5 (5115) | Fuca piper | 2211 | Mitr polym |
| 3650 | Acti helia | 5142 | Euca racem | 2218 | Mono ellip |
| 0857 | Acti minor | 1318 | Euca siebe | 2220 | Mono scopi |
| 0677 | Allo litto | 1395 | Gahn siebe | 2232 | Muel cclas |
| 7 (0206) | Ampel x.xip | 9391 | Gahn spp. | 6492 | Note longi |
| 9052 | Amye spp. | 3 (1440) | Glei dicar | 2436 | Pate glabr |
| 0231 | Anis avena | 5460 | Gomp grand | 2438 | Pate serie |
| 0237 | Actu crico | 1482 | Gomp latif | 2 (2464) | Pers levis |
| 2255 | Bank c.cri | 5 (1490) | Gono teuer | 2465 | Pers linea |
| 2274 | Bank p.pai | 1494 | Good h.bel | 6783 | Pers m.nec |
| 10366 | Bank serra | 5573 | Grev mucro | 6809 | Petr pulch |
| 3 (2295) | Bank s.spi | 5580 | Grev oleoi | 6810 | Petr sessi |
| 0371 | Baue rubio | 5632 | Hacm plani | 2501 | Phyl hirte |
| 4291 | Bill s.sca | 1 (1562) | Hake dacty | 4818 | Pine l.cac |
| 0404 | Blec carti | 1571 | Hake serie | 3 (4819) | Pine l.lin |
| 9126 | Blec spp. | 5664 | Hake t.ter | 6960 | Plat linea |
| 0426 | Boro ledif | 1596 | Hard viola | 2395 | Podo ilici |
| 0438 | Boss heter | 1617 | Heli elatu | 2677 | Poma umbel |
| 0439 | Boss oboor | 5731 | Hibb a.asp | 7060 | Pora erici |
| 2624 | Boss scolo | 5734 | Hibb bract | 2683 | Pora micro |
| 2696 | Brac d.dap | 5735 | Hibb circi | 4 (2777) | Pter escul |
| 0557 | Calc major | 1665 | Hibb denta | 9750 | Pter spp. |
| 5 (0887) | Calo dubia | 5741 | Hibb fasci | 7232 | Pult ellip |
| 4681 | Cass glabe | 1675 | Hibb ripar | 7237 | Pult flexi |
| 4680 | Cass glabe | 5811 | Hove linea | 2857 | Pult linop |
| 3559 | Cass pubes | 1711 | Hyba monop | 7258 | Pult stipu |
| 0688 | Caus flexu | 5906 | Isop aneino | 7292 | Rapa varia |
| 3690 | Cera apeta | 1 (1848) | Kenn rubic | 2938 | Rici pinif |
| 3773 | Chlo stoece | 6004 | Lamb formo | 3023 | Scae ramos |
| 3778 | Chor cando | 6032 | Leio diosm | 3026 | Sche undul |
| 0783 | Ciss hypog | 1920 | Lepi filif | 3030 | Schi bifid |
| 3886 | Cono erici | 1923 | Lepi later | 7444 | Schi dicho |
| 3890 | Cono tenui | 1927 | Lepi neesi | 3039 | Scho apogo |
| 0835 | Cory acuni | 1930 | Lepi uroph | 3098 | Sela uligi |
| 1288 | Cory gummi | 1 (1939) | Lep. acida | 1 (7609) | Smil glyci |
| 0881 | Cryp erect | 6077 | Lep: arach | 7722 | Styl linea |
| 9269 | Cryp spp. | 6088 | Lepi junip | 7723 | Styl produ |
| 0884 | Cryp subul | 2 (6105) | Lepi p.pol | 7766 | Syno g.gla |
| 0899 | Cyat diand | 6114 | Lept squar | 1 (7794) | Telo speci |
| 2 (0953) | Damp purpu | 1950 | Lepi trine | 3348 | Tetr junce |
| 0958 | Damp stric | 6121 | Lepy scari | 4007 | Thel umbel |
| 9299 | Dend spp. | 6128 | Leuc ample | 5005 | Thel i.xi |
| 1027 | Dian c.cae | 1978 | Leuc erico | 9876 | Thel spp. |
| 1 (4398) | Dian c.pro | 1 (1983) | Leuc l.lan | 3406 | Tode barba |
| 1 (4408) | Dian r.rev | 2014 | Lind linea | 7909 | Tris colli |
| 4476 | Dill flori | 2023 | Livi austr | 8007 | Viol siebe |
| 4481 | Dill retor | 4163 | Loma cylin | 8061 | Wool punge |
| 4558 | Dodo camfi | 4709 | Loma f.cor | 8078 | Xant media |
| 1093 | Dodo triqu | 4710 | Loma f.fil | 3592 | Xant pilos |
| 1137 | Elae retic | 2043 | Loma glauc | 3594 | Xant tride |
| 1155 | Empo minus | 2 (2046) | Loma longi | 8089 | Xylo pyrif |
| 1161 | Ento margi | 4711 | Loma m.tub | 8094 | Xyri compl |
| 2 (3790) | Ento stric | 2048 | Loma m.mul | 3595 | Xyri graei |
| 4785 | Epac longi | 6192 | Loma obliq | 8135 | Zier pilos |
| 5250 | Epac m.mic | 6196 | Loma silai | | |

2 Scho melan
 2 Chusoglottis
 1 Acianthus
 4 Pult daph
 2 Loma cincinni sicut f. lra
 1 Legan albiflorum
 2 Thymus corymbosus
 1 Clem armit
 1 Good het
 1 Puli rosmarin



Vegetation Assessment

500404
 213

Project #: 4447 - Dend A3 SIS Ridges

Observer: NS KEN

Date: 16/4/07

| | | | |
|---|--------|--|---|
| Location | | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 022 | GPS 14 | Easting <input type="text" value="289891"/> | Northing <input type="text" value="6193025"/> |
| Location description: Highland Shale T 0-2 | | | |
| Photo numbers: 00-0023 35 | | | |

| | |
|-------------------------------|--------------------------|
| Topographical features | |
| Slope 0% | Aspect ENE |
| Outcropping % 0% | Surface Rock % Nil |
| Soil Type Sand | Horizon visibility 200 m |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|--------------------|--------------|--------------|-----|------|--|
| Upper | Canopy Trees | 25 | 30 | 40 | Good | Euc of Eucalyptus |
| Mid | Small Trees | 5 | 10 | <5 | Good | Immature Euc spp. Ferns, Liana |
| Lower | Shrub | 1 | 2 | 20 | Good | Bank Sili sp. Acacia, Ferns, Eucalyptus, Malesia, dard |
| Ground | Ground Fern & Herb | 0 | 0.5 | 60 | Good | Blind fern, Scaevola, Lobelia, Pulsatilla |

| Specif | FPC: 100-70% | 70-30% | 30-10% | <10% |
|-----------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10-30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5-10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed scrub | Open scrub | Tall shrubland | Tall open shrubland |
| Shrubs 0.25-2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community MUIB Tall Open Peppercorn

EECs/Threatened Plants

General Habitat Description and comments

Fire History: 2001 (5-6 yrs)

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) Good? Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) = Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: Nil

Good woodland

Fallen logs & High Euc. litter levels

open vls.

Carpet of Chorizandra (most likely)

Belongs to Highland Shale Tall Open Forest (confirmed by literature in field)

x-ref. relevant map v. 1 (like MUIB & MUI22. exception vs. aboriginal mapping)

| | | | | | |
|--------|-------------|--------|------------|--------|-------------|
| 5128 | Acac longi | 4788 | Epac pulch | 2079 | Lycu deute |
| 0053 | Acac l.lon | 4893 | Erio austr | 6307 | Mars suave |
| 0092 | Acac suave | 1281 | Euca globo | 2179 | Micr s.sti |
| 1-0095 | Acac termi | 5033 | Euca haema | 2205 | Mitr rubii |
| 0098 | Acac ulici | 4-5115 | Euca piper | 2211 | Mitr polym |
| 3650 | Acti helia | 5142 | Euca racem | 2218 | Mono ellip |
| 0857 | Acti minor | 1318 | Euca siebe | 2220 | Mono scoopa |
| 0677 | Allo litto | 1395 | Gahn siebe | 2232 | Mucl celas |
| 0206 | Ampe x.xip | 9391 | Gahn spp. | 6492 | Note longi |
| 9052 | Amye spp. | 1440 | Glei dicar | 2436 | Pate glabr |
| 0231 | Anis avena | 5460 | Gomp grand | 2438 | Pate seric |
| 0237 | Aotu erico | 1482 | Gomp latif | 2464 | Pers levis |
| 2255 | Bank e.eri | 2-1490 | Gono tener | 4-2465 | Pers linea |
| 2274 | Bank p.pal | 1494 | Good b.hei | 6783 | Pers m.nec |
| 0366 | Bank serra | 5573 | Grev muero | 6809 | Petr pulch |
| 2-2295 | Bank s.spi | 5580 | Grev oleoi | 6810 | Petr sessi |
| 0371 | Bauc rubio | 5632 | Haem plani | 2501 | Phyl hirtc |
| 4291 | Bill s.sca | 3-1562 | Hake dacty | 4818 | Pime l.cac |
| 0404 | Blec carti | 1-1578 | Hake serie | 3-4819 | Pime l.lin |
| 9126 | Blec spp. | 5664 | Hake t.ter | 6960 | Plat linca |
| 0426 | Boro ledif | 1596 | Hard viola | 2395 | Podo ilici |
| 0438 | Boss heter | 1617 | Heli elatu | 2677 | Poma umbel |
| 1-0439 | Boss obcor | 5731 | Hibb a.asp | 7060 | Pora erici |
| 2624 | Boss scolo | 5734 | Hibb bract | 2683 | Pora micro |
| 2696 | Brac d.dap | 5735 | Hibb circu | 4-2772 | Pter escul |
| 0557 | Cale major | 1665 | Hibb denta | 9750 | Pter spp. |
| 0887 | Calo dubia | 5741 | Hibb fasci | 7232 | Pult ellip |
| 4681 | Cass glabe | 1675 | Hibb ripar | 7237 | Pult flexi |
| 4680 | Cass glabe | 5811 | Hove linca | 2857 | Pult linop |
| 3559 | Cass pubes | 1711 | Hyba monop | 7258 | Pult stipu |
| 0688 | Caus flexu | 5906 | Isop anemo | 7292 | Rapa varia |
| 3690 | Cera apeta | 1-1848 | Kenn rubic | 2938 | Rici pinif |
| 3773 | Chlo sloec | 6004 | Lamb formo | 3023 | Seac ramos |
| 3778 | Chor cando | 6032 | Leio diosm | 3026 | Sche undul |
| 0783 | Ciss hypog | 1920 | Lepi filif | 3030 | Schi bifid |
| 3886 | Cono erici | 1-1923 | Lepi later | 7444 | Schi dicho |
| 3890 | Cono tenui | 1927 | Lepi neesi | 3039 | Scho apogo |
| 0835 | Cory aconi | 1930 | Lepi uroph | 3098 | Sela uligi |
| 3-1288 | Cory gummi | 1939 | Lept acida | 7609 | Smil glyci |
| 0881 | Cryp erect | 6077 | Lept arach | 7722 | Styl linca |
| 9269 | Cryp spp. | 6088 | Lept junip | 7723 | Styl produ |
| 0884 | Cryp subul | 6105 | Lept p.pol | 7766 | Syno g.gla |
| 0899 | Cyat diand | 6114 | Lept squar | 2-7794 | Telo speci |
| 0953 | Damp purpu | 1950 | Lept trine | 3348 | Tetr junce |
| 0958 | Damp stric | 6121 | Lepy scari | 4007 | Thel umbel |
| 9299 | Dend spp. | 6128 | Leuc ample | 5005 | Thel l.ixi |
| 1027 | Dian c.cae | 1978 | Leuc crico | 9876 | Thel spp. |
| 2-4398 | Dian c.pro | 1983 | Leuc l.lan | 3406 | Tode barba |
| 4408 | Dian r.rev | 2014 | Lind linca | 7909 | Tris colli |
| 4476 | Dill flori | 2023 | Livi austr | 2-8007 | Viol siebe |
| 4481 | Dill rctor | 4163 | Loma cylin | 8061 | Wool pungc |
| 4558 | Dodo carafi | 4709 | Loma leor | 8078 | Xant media |
| 1093 | Dodo triqu | 4710 | Loma l.fil | 1-1592 | Xant pilos |
| 1137 | Flae retic | 2043 | Loma glauc | 3594 | Xant tride |
| 1155 | Empo minus | 1-2046 | Loma longi | 8089 | Xylo pyrif |
| 1161 | Ento margi | 4711 | Loma m.tub | 8094 | Xyri compl |
| 3790 | Ento stric | 2048 | Loma m.mul | 3595 | Xyri graci |
| 4785 | Epac longi | 6192 | Loma obliq | 8135 | Zier pilos |
| 5250 | Epac m.mic | 6196 | Loma silai | | |

5- Rott diaph

2- Euca eugemon

5- Calact dubi

2- Aci anethus sp

!- Clem aris

2- Chiloglottis sp.

!- Pladya e. eric

!- Poranth caym



Vegetation Assessment

Quadrat # 14

Project #: 4447 - Dend A3 SIS Ridges

Observer: JVC, SEW

Date: 16/09/07

Location Note: Easting and Northing is Mandatory for FIS

Waypoint: 28 (GPS9) Easting 288530 Northing 6191970

Location description: Mallee Heath, Ref # 6115 Above Avon Dam, Ridge top

Photo numbers: Nil

Topographical features

Slope 5 Aspect Sol

Outcropping % 10-30% Surface Rock % 10

Soil Type SST - Shallow Horizon visibility 10m

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|-------------------------------|------------------------------------|--------------|--------------------|-----|-----------------|--|
| Upper | Trees | 4 | 8 | 25 | G | <i>Euc. sal.</i> |
| Mid | ST | 2 | 4 | 40 | G | <i>Euc. strict</i> <i>Lepta trin</i> |
| Lower | Sh. | 0.5 | 1 | 15 | G | <i>Hakea gibb</i> , <i>H. dist</i> , <i>B. eric</i> , <i>Isopogon anem.</i> <i>fltt spp.</i> |
| Ground | Sedges Herbs | G | 0.5 | 30 | G | <i>Goodenia dimorpha</i> , <i>Cyathochaeta</i> , <i>drum</i> <i>Lepta scar.</i> , <i>Ptilerisma globa</i> |
| Specht | FPC: 100-70% | | 70-30% | | 30-10% | 10% |
| Trees > 30m | Tall closed-forest | | Tall open-forest | | Tall woodland | Tall open-woodland |
| Trees 10-30m | Closed-forest | | Open forest | | Woodland | Open-woodland |
| Trees 5-10m | Low closed-forest | | Low open-forest | | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | | V. low open-forest | | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25-2m | | | | | | |
| Sclerophyll | Closed heathland | | Heathland | | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | Low open-shrubland |
| Mapped community | <u>Rough Plate Mallee Heath JV</u> | | | | | |
| EECs/Threatened Plants | <u>-</u> | | | | | |

General Habitat Description and comments

Fire History: 2001 - lots of open post fire

Disturbance: Grazing, Roads, Powerlines, Frost, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) = Good, Moderate, Poor, Very Poor/rative pasture

RESILIENCE (Disturbed Soil Profile) = Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: Nil

| | | | | | | |
|------|--------------|------|-------------------------------------|------|--------------|---|
| 5128 | Acac longi | 4788 | Epac pulch | 2079 | Lycx deutc | <i>Otax stricta</i> 1 |
| 0053 | Acac lilon | 4893 | Erio austr / | 6307 | Mars suave | <i>Styphelia triflora</i> 3 |
| 0092 | Acac suave | 1281 | Euca globo | 2179 | Micr s.sti | <i>Leptocarpus tenax</i> 3 |
| 0095 | Acac termi 1 | 5033 | Euca harna <i>raicm.</i> | 2205 | Mirb rubii 3 | <i>Cremilea internata</i> 2 |
| 0098 | Acac ulici | 5115 | Euca piper | 2211 | Mitr polym | <i>Lauronic gracilis</i> 2 |
| 3650 | Acti helia | 5142 | Fuca racem / | 2218 | Mono ellip | <i>Goodenia dimorpha</i> 5 |
| 0857 | Acti minor 3 | 1318 | Euca siebe | 2220 | Mono scopu | <i>Almalea paludosa</i> 3 |
| 0677 | Allo litto | 1395 | Gahn siebe | 2232 | Muel celas | <i>Compholobum minus</i> 2 |
| 0206 | Ampe x xip | 9391 | Gahn spp. | 6492 | Note longi | <i>Boronia pinnata</i> 3 |
| 9052 | Amnye spp. | 1440 | Glei dicar | 2436 | Pate glabr 3 | <i>Bank. mar.</i> 2 <i>babingtonia</i> |
| 0231 | Anis avena | 5460 | Gomp grand | 2438 | Pate seric | <i>Calytrix sample?</i> 3 <i>densiflora</i> |
| 0237 | Aotu erico | 1482 | Gomp latif | 2464 | Pers levis | <i>Calytrix tetragona</i> 2 |
| 2255 | Bank e.eri 4 | 1490 | Gono teuer | 2465 | Pers linea | <i>Habea gibbosa</i> 3 |
| 2274 | Bank p. pal | 1494 | Good b.bel | 6783 | Pers m.nec | <i>Eucalyptus stricta</i> 5 |
| 0366 | Bank serra j | 5573 | Grev mucro | 6809 | Pctr pulch 3 | <i>Alloasarina nana?</i> (sample) 1 |
| 2295 | Bank s.spi 2 | 5580 | Grev oleoi 2 | 6810 | Pctr sessi | <i>Baccharis imbricata</i> 1 |
| 0371 | Bauc rubio | 5632 | Hacm plani | 2501 | Phyl hirtc | <i>Persea loricata</i> 1 |
| 4291 | Bill a.sca | 5662 | Hake dacty 3 | 4818 | Pime Lcae | <i>Pultenae sp. (sample)</i> 3 |
| 0404 | Bloc carti | 1571 | Hake seric | 4819 | Pime l.lin 2 | <i>Haemoderum caespitosum</i> 1 |
| 9126 | Blec spp. | 5664 | Hake t.ter 2 | 6960 | Plat linea 2 | <i>Cremilea sphaeulata</i> 2 |
| 0426 | Boro ledif 3 | 1596 | Hard viola | 2395 | Podo ilioi | <i>Pultenaea tuberculata</i> 3 |
| 0438 | Boss heter 2 | 1617 | Heli elatu | 2677 | Poma umbel | (=P. elliptica) 3 |
| 0439 | Boss obsc | 5731 | Hibb a.asp | 7060 | Pora erici | |
| 2624 | Boss scolo 2 | 5734 | Hibb bract. | 2683 | Pora micro | |
| 2696 | Brac d.dap | 5735 | Hibb circu | 2777 | Pter escul | |
| 0557 | Cale major | 1665 | Hibb denta | 9750 | Pter spp. | |
| 0887 | Calo duzia | 5741 | Hibb fasci | 7232 | Pult ellip 3 | |
| 4681 | Cass glabc | 1675 | Hibb ripar | 7237 | Pult flexi | |
| 4680 | Cass glabc | 5811 | Hove linca | 2857 | Pult linop | |
| 3559 | Cass pubes | 1711 | Hyba monop | 7258 | Pult stipu | |
| 0688 | Caus flexu 2 | 5906 | Isop anemo 3 | 7292 | Rapa varia | |
| 3690 | Cera apeta | 1848 | Kenn rubic | 2938 | Rici pinif | |
| 3773 | Chlo stoc | 6004 | Lanb forno | 3023 | Scae ramos | |
| 3778 | Chor cando | 6032 | Leio diosm | 3026 | Sche undul | |
| 0783 | Ciss hypog | 1920 | Lepi filif 2 | 3030 | Schi bifid | |
| 3886 | Cono erici | 1923 | Lepi later 1 | 7444 | Schi dicho | |
| 3890 | Cono termi | 1927 | Lepi neesi | 3039 | Scho apogo | |
| 0835 | Cory aconi | 1930 | Lepi uroph | 3098 | Sela uligi | |
| 1288 | Cory gummi | 1939 | Lept acida / | 7609 | Smil glyci | |
| 0881 | Cryp erect | 6073 | Lept arach 2 | 7722 | Styl linea 2 | |
| 9269 | Cryp spp. | 6088 | Lept junip | 7723 | Styl produ | |
| 0884 | Cryp subul | 6105 | Lept p.pol | 7766 | Syno g.gla | |
| 0899 | Cyat diend 3 | 6114 | Lept squar | 7794 | Telo speci | |
| 0953 | Damp purpu | 1950 | Lept trine 3 | 3348 | Tetr junce | |
| 0958 | Damp stric | 6121 | Lepy scari 4 | 4007 | Thel umbel | |
| 9299 | Dend spp. | 6128 | Leuc ample | 5005 | Thel i.xi | |
| 1027 | Dian c.cac | 1978 | Leuc erico | 9876 | Thel spp. | |
| 4398 | Dian c.pro | 1983 | Leuc l.lan | 3406 | Tode barba | |
| 4408 | Dian r.rev | 2019 | Lind linea / | 7909 | Tris colli | |
| 4476 | Dill flori 4 | 2023 | Livi austr | 8007 | Viol siebe | |
| 4481 | Dill retor 3 | 4163 | Loma cylin | 8061 | Wool punge | |
| 4558 | Dodo camfi | 4709 | Loma f.cor | 8078 | Xant media 2 | |
| 1093 | Dodo triqu | 4710 | Loma f.fil | 3592 | Xant pilos | |
| 1137 | Elae retic | 2043 | Loma glauc | 3594 | Xant tride | |
| 1155 | Empo minus | 2046 | Loma longi | 8089 | Xylo pyrif | |
| 1161 | Ento margi | 4711 | Loma m.tub | 8094 | Xyri compl | |
| 3790 | Ento stric | 2048 | Loma m.mul | 3595 | Xyri graci | |
| 4785 | Epac longi | 6192 | Loma obliq | 8135 | Zier pilos | |
| 5250 | Epac m.mic 3 | 6196 | Loma silai | | | |



Vegetation Assessment

500395

Q159

Project #: 4447 - Dend A3 SIS Ridges

Observer: MS BJS

Date: 17/4/07

Location Note: Fasting and Northing is Mandatory for FIS

Waypoint: 029 (GPS 14) Easting Northing

Location description: CONFLUENCE OF DRAINAGE FROM EAST + WONGA WILLS

Photo numbers: 119 1923 (C4)

Lopographical features

Slope 20% Aspect NW

Outcropping % ALLOT UP HILL Surface Rock % 20%

Soil Type SANDY LOAM Horizon visibility 100m

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|-----------------|--------------|--------------|-----|------|---------------------------------|
| Upper | T | 25 | 30 | 40 | G | Euc p.p. |
| Mid | Smt | 15 | 20 | 50 | G | Cashe gum, Allocas. 1H |
| Lower | Sh | 1.5 | 2 | 30 | G | Deal hig, Pers lin, Park. serr. |
| Ground | Herbs, Scaevola | 0 | 0.5 | 40 | G | Lep. lat, Lam lang, Crane leuc. |

| Specht | FPC: 100-70% | 70-30% | 30-10% | <10% |
|-----------------|----------------------|---------------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | <u>Call forest-forest</u> | Tall woodland | Tall open-woodland |
| Trees 10-30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5-10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25-2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: SCP CONFIRMED ✓

ECCs/Threatened Plants: —

General Habitat Description and comments

Fire History: 5-6 years

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees (Uncleared) Riparian vegetation

RESILIENCE (Natural Soil Profile) Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: NO WEEDS

| | | | | | |
|------|--------------|------|--------------|------|--------------|
| 5128 | Acac longi | 4788 | Epac pulch | 2079 | Lycu dente |
| 0053 | Acac lilon | 4893 | Erio austr | 6307 | Mars suave |
| 0092 | Acac suave | 1281 | Euca globo | 2179 | Mier s.sti 2 |
| 0095 | Acac termi | 5033 | Euca haema | 2205 | Mirr rubii |
| 0098 | Acac ulici | 5115 | Euca piper 5 | 2211 | Mitr polyn |
| 3650 | Acti helia | 5142 | Euca racem | 2218 | Mono ellip |
| 0857 | Acti minor | 1318 | Euca siebe | 2220 | Mono scopu |
| 0677 | Allò litto 5 | 1395 | Gahn siebe | 2232 | Mnel celas |
| 0206 | Ampe x.xip | 9391 | Gahn spp. | 6492 | Note longi 1 |
| 9052 | Ampe spp. | 1440 | Glei dicar | 2436 | Pate glabr |
| 0231 | Anis avena | 5460 | Gomp grand | 2438 | Pate seric |
| 0237 | Aolu crico | 1482 | Gomp latif | 2454 | Pers levis |
| 2255 | Bank e.eri | 1490 | Gono teuer 3 | 2465 | Pers linea 4 |
| 2274 | Bark p.pal | 1494 | Good h.bel | 6783 | Pers m.noc |
| 0366 | Bark serca | 5573 | Grev mucro 4 | 6809 | Petr pulch 1 |
| 2295 | Bark s.spi | 5580 | Grev oleoi | 6810 | Petr scssi |
| 0371 | Dauc rubio | 5632 | Ilacm placi | 2501 | Phyl hirtc |
| 4291 | Bill s.sca 1 | 1562 | Hake dacty 2 | 4818 | Pime l.cae |
| 0404 | Blec carti | 1571 | Uake seric 3 | 4819 | Pime l.lin 2 |
| 9126 | Blec spp. | 5664 | Uake t.ter | 6960 | Plat linea |
| 0426 | Boro ledif | 1596 | Uard viola | 2395 | Podo ilici |
| 0438 | Boss heter | 1617 | Heli elatu | 2677 | Poma umbel |
| 0439 | Boss oboer | 5731 | Hibb a.asp | 7060 | Pora erici |
| 2624 | Boss scolo | 5734 | Hibb braet | 2683 | Pora micro 1 |
| 2696 | Brac d.dap | 5735 | Hibb cirou | 2777 | Pter escul 3 |
| 0557 | Cale major | 1665 | Hibb denta | 9750 | Pter spp. |
| 0887 | Calo dubia | 5741 | Hibb fasci | 7232 | Pult ellip |
| 4681 | Cass glabe | 1625 | Hibb ripar | 7237 | Pult flexi |
| 4680 | Cass glabe | 5811 | Hove linea 1 | 2857 | Pult linop |
| 3559 | Cass pubes | 1711 | Hyba monop | 7258 | Pult stipu |
| 0688 | Caus flexu | 5906 | Isop anemo | 7292 | Rapa varia |
| 3690 | Cera apeta | 1848 | Kenn rubic 1 | 2938 | Rici pinif |
| 3773 | Chlo stoec | 6004 | Lamb formo | 3023 | Scac ramos |
| 3778 | Chor cando | 6032 | Leio diosm | 3026 | Sche undul |
| 0783 | Ciss hypog | 1920 | Lepi filif | 3030 | Schi bifid |
| 3886 | Cono erici | 1923 | Lepi later 3 | 7444 | Schi dieho |
| 3890 | Cono tenui | 1927 | Lepi nces: | 3039 | Scho apogo |
| 0835 | Cory aconi | 1930 | Lepi uroph | 3098 | Sela uligi |
| 1288 | Cory gummi | 1939 | Lept acida | 7609 | Smil g.yei |
| 0881 | Cryp erect | 6077 | Lept arach | 7722 | Styl linea |
| 9269 | Cryp spp. | 6088 | Lept junip | 7723 | Styl produ |
| 0884 | Cryp subul | 6105 | Lept p.pro. | 7766 | Syno g.gla |
| 0899 | Cyat diand | 6114 | Lept squar | 7794 | Telo speci |
| 0953 | Damp purpu | 1950 | Lept trine 1 | 3348 | Tetr junce |
| 0958 | Damp stric | 6121 | Lepy scari | 4007 | Thel umbel |
| 9299 | Dend spp. | 6128 | Leuc ample | 5005 | Thel lixi |
| 1027 | Dian c.cae | 1978 | Leuc erico | 9876 | Thel spp. |
| 4398 | Dian c.pro 1 | 1983 | Leuc l.lan 1 | 3406 | Tode barba |
| 4408 | Dian r.rev | 2014 | Lind linea | 7909 | Tris colli |
| 4476 | Dill flori | 2023 | Livi austr | 8007 | Viol siebe |
| 4481 | Dill retor | 4163 | Loma cylin | 8061 | Wool punge |
| 4558 | Dodo canfi | 4709 | Loma f.cer | 8078 | Xant media |
| 1093 | Dodo triqu 4 | 4710 | Loma f.fil 3 | 3592 | Xant pilos 1 |
| 1137 | Elac retic | 2043 | Loma glauc | 3594 | Xant tride 3 |
| 1155 | Empo minus | 2046 | Loma longi | 8089 | Xylo pyrif |
| 1161 | Ento margi | 4711 | Loma m.tub | 8094 | Xyri compl |
| 3790 | Ento stric 2 | 2048 | Loma m.rnul | 3595 | Xyri graci |
| 4785 | Epac longi | 6192 | Loma obliq | 8135 | Zier pilos |
| 5250 | Epac m.mio | 6196 | Loma silai 1 | | |

Cesabo gummi 4
Steno salig 2
Arenaria a.ist. 2
Logania a.lbi 1
Pult. vill. 2
Acac icior. 1
Craud had. 2
Nemato squam. 2
Lasiopel. ferrug 3
Phob squam. 1
Opere. asp 2
Chiloglottis sp. 2
Acac. binarv. 1
Asiat. lan. 2
Platy lan. 2
Schomner melan. 2
Viola had. 1
Mars suave. 1

| | | | | | | | | |
|---|------|------------|------|-------------|--------|------------|---|--|
| 2 | 5128 | Acac longi | 4788 | Epac pulch | 2079 | Lycx deut | 3 | lemond flav |
| | 0053 | Acac llon | 4893 | Erio austr | 6307 | Mars suave | 2 | fers pinif |
| | 0092 | Acac suave | 1281 | Fuca globo | (2179) | Mier s.sti | 4 | Trust laur |
| 1 | 0095 | Acac termi | 5033 | Euca hacma | 2205 | Mitr rubii | 2 | leumat major |
| 1 | 0098 | Acac ulici | 5 15 | Euca piper | 2211 | Mitr polyn | 5 | Trist marif |
| | 3650 | Acti helia | 5:42 | Euca racem | 2218 | Mono ellip | 2 | Bacch sp. |
| | 0857 | Acti minor | 1318 | Euca siebe | 2220 | Mono scopu | 2 | stencu salign. |
| 1 | 0677 | Allo litto | 1393 | Gahn siebe | 2232 | Muel celas | 1 | Acaria obtus |
| | 0206 | Ampc x.xip | 9391 | Gahn spp. | 6492 | Note longi | 2 | schoen melano |
| | 9052 | Amye spp. | 1440 | Glei dicar | 2436 | Pate glabr | 2 | Phallosis Ensam mijaya |
| | 0231 | Anis avena | 5460 | Gomp grand | 2438 | Pate serie | 1 | operc asp. |
| | 0237 | Aotu erico | 1482 | Gomp latif | 2464 | Pers levis | 1 | Arac florid |
| 1 | 2553 | Bank c.cri | 1490 | Gono touer | 2465 | Pers linea | 1 | Bacch myrt |
| | 2274 | Bank p.pal | 1494 | Good b.bel | 6783 | Pers m.nec | 1 | Dodon multij |
| | 0366 | Bank serra | 2 | 5373 | 6809 | Petr pulch | 1 | Calyt rhomb |
| | 2295 | Bank s.spi | 5580 | Grev oleoi | 6810 | Petr sessi | 1 | Calit. eric |
| | 0371 | Baue rubro | 5632 | Ilaem plani | 2501 | Phyl hirte | 1 | Laurefug eric |
| | 4291 | Bill s.sca | 2 | 1562 | 4818 | Pime l.cae | 1 | Phalo squam |
| | 0404 | Blec carti | 1571 | Hake daoty | 4819 | Pime l.lin | 1 | Eric apress |
| | 9126 | Blec spp. | 5664 | Hake t.ter | 6960 | Plat linea | 1 | Entol marg |
| | 0426 | Boro ledif | 1596 | Hard viola | 2395 | Podo ilici | 1 | Arac mar |
| | 0438 | Boss heter | 1617 | Heli clatu | 2677 | Poma umbel | 1 | Bank marg |
| | 0439 | Boss obsc | 5731 | Hibb a.asp | 7060 | Pora erici | 1 | Vimin junu |
| 1 | 2624 | Boss sculo | 1 | 5734 | 2683 | Pora micro | 1 | Sticher fiab |
| | 2696 | Brac d.dap | 5735 | Hibb braet | 2777 | Pter escul | 2 | Bavera rubiflora |
| | 0557 | Calc major | 1665 | Hibb circa | 9750 | Pter spp. | 1 | stellate flower plant |
| | 0887 | Calo dubia | 5741 | Hibb denta | 7232 | Pult ellip | 1 | enterb. g. |
| | 4681 | Cass glabe | 1675 | Hibb fasei | 7237 | Pult flexi | 1 | Psuedonius |
| 3 | 4680 | Cass glabe | 5811 | Hove linea | 2857 | Pult linop | 1 | pinul. order. |
| | 3559 | Cass pubes | 1711 | Hya monop | 7258 | Pult stipu | | |
| | 0688 | Caus flexu | 5906 | Isop anemo | 7292 | Rapa varia | | |
| 2 | 3690 | Cera apeta | 1848 | Kenn rubic | 2938 | Rici pinif | | |
| | 3773 | Chlo stoeo | 6004 | Lamb formo | 3023 | Scae ramos | | |
| | 3778 | Chor caudo | 6032 | Leio diosm | 3026 | Sche undul | | |
| | 0783 | Ciss hypog | 1920 | Lepi filif | 3030 | Schi bifid | | |
| | 3886 | Cono erici | 1923 | Lepi later | 7444 | Schi dicho | | |
| | 3890 | Cono tenui | 1927 | Lepi neesi | 3039 | Scho apogo | | |
| | 0835 | Cory aconi | 1930 | Lepi uroph | 3098 | Sela uligi | | |
| | 288 | Cory gummi | 1939 | Lept acida | 7609 | Smil glyci | | |
| | 0881 | Cryp erect | 6077 | Lept arach | 7722 | Styl linea | | |
| | 9269 | Cryp spp. | 6088 | Lept junip | 7723 | Styl produ | | |
| | 0884 | Cryp subul | 6105 | Lept p.pol | 7766 | Syno g.gla | | |
| | 0899 | Cyat diand | 6114 | Lept squar | 7794 | Telo speci | | |
| | 0953 | Damp purpu | 1950 | Lept trine | 3348 | Tetr junce | | |
| | 0958 | Damp stric | 6121 | Lepy scari | 4007 | Thel umbel | | |
| | 9299 | Dend spp. | 6128 | Leuc ample | 5005 | Thel lixi | | |
| | 1027 | Dian c.cae | 1978 | Leuc erico | 9876 | Thel spp. | | |
| | 4398 | Dian c.pro | 1983 | Leuc l.lan | 3406 | Tode barba | | |
| | 4408 | Dian r.rev | 2014 | Lind linea | 7909 | Tris colli | | |
| | 4476 | Dill flori | 2023 | Livi austr | 8007 | Viol siebe | | |
| | 4481 | Dill retor | 4163 | Loma cylin | 8061 | Wool punge | | |
| | 4558 | Dodo camfi | 4709 | Loma f.cor | 8078 | Xant media | | |
| 1 | 1093 | Dodo triqu | 4710 | Loma f.fil | (3592) | Xant pilos | | |
| | 1137 | Elae retic | 2043 | Loma glauc | (3594) | Xant tride | | |
| | 1155 | Empo minus | 2046 | Loma longi | 8089 | Xylo pyrif | | |
| | 1161 | Ento margi | 4711 | Loma mtub | 8094 | Xyri compl | | |
| | 3790 | Ento stric | 2048 | Loma m.nul | 3595 | Xyri graci | | |
| | 4785 | Epac longi | 6192 | Loma obliq | 8135 | Zier pilos | | |
| | 5250 | Epac m.mic | 6196 | Loma silai | | | | |





Vegetation Assessment

500397

Project #: 4447 - Dend A3 SIS Gullies

Observer: SEW / BJS

Date: 18/4/07

Quadrat # 18

Location: Wangawilli CK - Rainforest **Note:** Easting and Northing is Mandatory for FIS

Waypoint: 032 (GPS) **Easting:** 5791146 **Northing:** 6191208

Location description: Wangawilli CK - Rainforest.

Photo numbers: 19-1929 (C4) + 119-1930

Topographical features:

Slope: 5 **Aspect:** east

Outcropping %: 0 **Surface Rock %:** 0

Soil Type: Alluvia **Horizon visibility:** Poor

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|-------|--------------|--------------|-----|------|--|
| Upper | T | 15 | 20 | 7.5 | G | Ceratop apetal, |
| Mid | ST | 10 | 12 | 40 | G | Dry sassa, Ceratop apetal, stenoec salig |
| Lower | shrub | 1 | 2 | 10 | G | Ceratop apetal, Dry sassa |
| Ground | fern | 0 | 1 | 10 | G | Shrubs flab, Blechnum |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed scrub | Open scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: Coastwood heath temperate rainforest

ECCs/Threatened Plants:

General Habitat Description and comments:

Fire History: No evidence of fire.

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire. None evident.

Adjacent land: Cleared, Residential, Scattered Trees, (Uncleared), Riparian vegetation

RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: None.

Mapping correct.

| | | | |
|--------|-------------|--------|-------------|
| 0178 | Acac biner | 1490 | Giono teuer |
| 3631 | Acac i.irr | 5626 | Gynnu ancep |
| 0055 | Acac maide | 5698 | *Hedy garda |
| 0057 | Acac melan | 1665 | Hibb denta |
| 0115 | Acme smith | 5752 | Hibb scand |
| 0116 | Acro oblon | 5830 | Hydr pedun |
| 0888 | *Ager adeno | 1731 | Hyme denta |
| 0890 | *Ager ripar | 1751 | Hypo muell |
| 9052 | Aznye spp. | 1923 | Lepi later |
| 1632 | Arth tenel | 1 2023 | Livi austr |
| 1684 | Aspl austr | 2046 | Lome longi |
| 0288 | Aspl flabe | 2125 | Mars rostr |
| 2156 | Back myrta | 6371 | Melo austr |
| 4291 | Bill s.sea | 2179 | Mier s.sti |
| 2455 | Blec camfi | 2184 | Mier scand |
| 2 0404 | Blec carti | 2218 | Mono ellip |
| 0409 | Blec p.pat | 2 2224 | Mori jasmu |
| 2681 | Brac aceri | 2229 | Mueh graci |
| 2839 | Brey oblon | 1 2497 | Note longi |
| 3212 | Call serra | 6579 | Opli aemul |
| 0887 | Calo dubia | 2381 | Oxal exili |
| 0623 | Care appre | 9662 | Oxal spp. |
| 0638 | Care fasci | 6630 | Ozot diosm |
| 0645 | Care longe | 6641 | Palm scand |
| 6 3690 | Cera apeta | 6647 | Pand p.pan |
| 0783 | Ciss hypog | 9674 | Pars spp. |
| 9228 | Ciss spp. | 2 6685 | Pars stram |
| 3822 | Clao austr | 2449 | Pell falca |
| 0788 | Clem arist | 1 6935 | Pitt multi |
| 3843 | Cler tomen | 2542 | Pitt revol |
| 0822 | Copr quadr | 2543 | Pitt undul |
| 9245 | Copr spp. | 2574 | Plec tride |
| 4094 | Cryp glauc. | 2575 | Plec parvi |
| 0881 | Cryp erect | 4694 | Pua l.lab |
| 0895 | Cyat austr | 7015 | Puly currii |
| 0897 | Cyat leich | 2642 | Puly murra |
| 4331 | Dend tetra | 7082 | Prat purpu |
| 4398 | Dian c.pro | 3925 | Pros incis |
| 1036 | Dich repen | 2743 | Pros iasia |
| 1039 | Dick antar | 7149 | Pscu varia |
| 1096 | Dood asper | 7163 | Psyc lonic |
| 3 4597 | Dory sassa | 2777 | Pter escul |
| 1122 | Echi ovatu | 2791 | Pter curta |
| 1137 | Elae retic | 2810 | Pter pedun |
| 9345 | Elae spp. | 9750 | Pter spp. |
| 4747 | Emme alphi | 7237 | Pult flexi |
| 4760 | Endi siebe | 2883 | Pyrr rupes |
| 1161 | Ento margi | 2916 | Rapa howit |
| 1254 | Fuca botry | 7292 | Rapa varta |
| 1274 | Euca elata | 5302 | *Rubu chloa |
| 5016 | Euca eugen | 7356 | Rubu m.mol |
| 1 5115 | Euca piper | 7358 | Rubu nebul |
| 1344 | Eupo lauri | 9782 | Rume spp. |
| 1346 | Eust latif | 3026 | Sche undul |
| 1350 | Exoc cupre | 7446 | Schi ovata |
| 1366 | Ficl austr | 3166 | Smil austr |
| 1387 | Gahn clark | 7609 | Smil glyci |
| 1395 | Gahn siebe | 3250 | Stel flacc. |
| 1420 | Geit cymos | 3 7693 | Sten salig |
| 1427 | Gera homea | 7702 | Step j.dis |
| 1457 | Glyc tabac | 3330 | Symp thwai |

| | |
|------|------------|
| 7766 | Syno g.gla |
| 1787 | Tasm insip |
| 7909 | Tris colli |
| 7912 | Troc lauri |
| 3467 | Tylo barba |
| 3476 | Urti incis |
| 7999 | Viol heder |
| 3605 | Zier smith |

3 Spichekus Flab

• 1 Orchid (photo) 14-1950
entres. as Pleatorrhiza

500398



Vegetation Assessment

Quad 19

Project #: 4447 - Dend A3 SIS Gullies

Observer: BJS / SEW

Date: 18/4/07

| | | |
|-----------------------|---|-------------------|
| Location: | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 033 (4834) | Easting: 291217 | Northing: 6191290 |
| Location description: | Tributary of Wangawilli Ck, approx 50m upstream of Wangawilli Ck. | |
| Photo numbers: | 119-1934 (14) | |

| | |
|-------------------------------|--------------------------|
| Topographical features | |
| Slope: S-O | Aspect: WEST |
| Outcropping %: 20 | Surface Rock %: 20 |
| Soil Type: Alluvial | Horizon visibility: POOR |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|------------|--------------|--------------|-----|------|--|
| Upper | T | 8 | 12 | 70 | G | Ceratop apetal |
| Mid | ST | 4 | 6 | 50 | G | Comat myric, Cyath aust, stenoc salig |
| Lower | shrub fern | 0.5 | 2 | 40 | G | Todea barb, Blechn sp., Ceratop apetal, Stich flab |
| Ground | | | | | | |

| Spcht. | 100-70% | | 70-30% | | 30-10% | | <10% | |
|-------------------------|----------------------|--|--------------------|--|-----------------|--|----------------------|--|
| Trees > 30m | Tall closed-forest | | Tall open-forest | | Tall woodland | | Tall open-woodland | |
| Trees 10-30m | Closed-forest | | Open-forest | | Woodland | | Open-woodland | |
| Trees 5-10m | Low closed-forest | | Low open-forest | | Low woodland | | Low open-woodland | |
| Trees < 5m | V. low closed-forest | | V. low open-forest | | V. low woodland | | V. low open-woodland | |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | | Tall open-shrubland | |
| Shrubs 0.25-2m | | | | | | | | |
| Sclerophyll | Closed heathland | | Heathland | | Open heathland | | Sparse heathland | |
| Non-sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | | Low open-shrubland | |
| Mapped community: | Coastal heathland | | | | | | | |
| RCCs/Threatened Plants: | No weeds | | | | | | | |

| |
|--|
| General Habitat Description and comments: |
| Fire History: No evidence of fire |
| Disturbance: Grazing, Roads, Powerlines, Erosion, Fire no disturbances |
| Adjacent land: Cleared, Residential, Scattered Trees, Uncleared Riparian vegetation |
| RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture |
| Woods and Weed Density: No weeds |
| |
| |
| |
| |

| | | | | | |
|--------|-------------|--------|-------------|------|------------|
| 0178 | Acac biner | 1490 | Gono teucr | 7766 | Syno g.gla |
| 3631 | Acac i.irr | 5626 | Gymn ancep | 1787 | Tasm insip |
| 0055 | Acac maide | 5698 | *Hedy gardn | 7909 | Tris colli |
| 0057 | Acac mclan | 1665 | Hibb denta | 7912 | Troc lauri |
| 0115 | Acme smith | 5752 | Hibb scand | 3467 | Tylo harba |
| 0116 | Acro oblon | 5830 | Hydr pedun | 3476 | Urti incis |
| 0888 | *Ager aceno | 1731 | Hyme denta | 7999 | Viol heder |
| 0890 | *Ager ripar | 1751 | Hypo muell | 3605 | Zier smith |
| 9052 | Amnye spp. | 1923 | Lepi later | | |
| 1632 | Artla tenel | 2023 | Livi austr | | |
| 1684 | Aspl austr | 2046 | Loma longi | | |
| 0288 | Aspl flabe | 2125 | Mars rostr | | |
| 2156 | Back myrti | 6371 | Melo austr | | |
| 4291 | Bill s.sca | 2179 | Micr s.sti | | |
| 2455 | Blec carni | 2184 | Micr scand | | |
| 3 0404 | Blec cari | 2218 | Mono ellip | | |
| 2 0409 | Blec p.pat | 2 2224 | Mori jasmi | | |
| 2681 | Brac aceri | 2229 | Mueh graci | | |
| 2839 | Brey oblon | 1 6492 | Note longi | | |
| 3212 | Call scrra | 6579 | Opli aemul | | |
| 2 0887 | Calo dubia | 2381 | Oxal exili | | |
| 0623 | Care appre | 9662 | Oxal spp. | | |
| 0638 | Care fasci | 6630 | Ozot diosm | | |
| 1 0645 | Care longe | 6641 | Palm scand | | |
| 6 3690 | Cera apcta | 6647 | Pand p.pan | | |
| 0783 | Ciss hypog | 9674 | Pars spp. | | |
| 9228 | Ciss spp. | 6685 | Pars stram | | |
| 3822 | Clao austr | 2449 | Pell falca | | |
| 0788 | Clem arist | 6935 | Pitt multi | | |
| 3843 | Cler tomen | 2542 | Pitt revol | | |
| 0822 | Copr quadr | 2543 | Pitt undul | | |
| 9245 | Copr spp. | 2574 | Plec tride | | |
| 4094 | Cryp glauc | 2575 | Plec parvi | | |
| 0881 | Cryp erect | 4694 | Poa llab | | |
| 2 0895 | Cyat austr | 7015 | Poly curri | | |
| 0897 | Cyat leich | 2642 | Poly murra | | |
| 4331 | Dend tetra | 7082 | Prat purpu | | |
| 4398 | Dian c.pro | 3925 | Pros incis | | |
| 1036 | Dich repen | 2743 | Pros lasia | | |
| 1039 | Dick antar | 7149 | Pseu varia | | |
| 1096 | Dood asper | 7163 | Psyc lonic | | |
| 4597 | Dory sassa | 2777 | Pter escul | | |
| 1122 | Echi ovatu | 2791 | Pter curta | | |
| 1 1137 | Elae rctic | 2810 | Pter pedun | | |
| 9345 | Elac spp. | 9750 | Pter spp. | | |
| 4747 | Ernme alphi | 7237 | Pult flexi | | |
| 4760 | Endi siebe | 2883 | Pyrr rupes | | |
| 1161 | Fato margi | 2916 | Rapa howit | | |
| 1254 | Euca botry | 7292 | Rapa varia | | |
| 1274 | Euca elata | 5302 | *Rubu chloo | | |
| 5016 | Euca eugen | 7356 | Rubu m.mol | | |
| 5115 | Euca piper | 7358 | Rubu nebul | | |
| 1344 | Eupo lauri | 9782 | Rume spp. | | |
| 1346 | Eust latif | 3026 | Sche undul | | |
| 1350 | Exoc cupre | 7446 | Schi ovata | | |
| 1366 | Fiel austr | 3166 | Smil austr | | |
| 1387 | Gahu clark | 1 7609 | Smil glyci | | |
| 1395 | Gahn siehc | 3250 | Stel flacc | | |
| 1420 | Geil cymos | 2 7698 | Sten salig | | |
| 1427 | Gera homca | 7702 | Step j.dis | | |
| 1457 | Glyc tabac | 3330 | Symp thwai | | |

- 4 Todea barb
- 2 Blechn nud
- 3 Sticher flab.
- 3 Loma myric
- 1 Orchid sp. (as leaf) ^{Pterodroma}
- 2 Grammitis billardieri (Finger Fern)
- 2. Hymenophyllum cupressiforme.
- Limber (sample) - Parsonsia brownii
- 1 Rapanea-like (sample)
Caesera sativa folia var. latifolia



Vegetation Assessment

Coordinate #? 20

Project #: 4447 - Dend A3 SIS Ridges

Observer: *BJS & SEW*

Date: *20/04/07*

| | | | |
|---|---|-------------------------|--|
| Location | Note: Easting and Northing is Mandatory for M/S | | |
| Waypoint: <i>60 (69)</i> | Easting <i>292155</i> | Northing <i>6195470</i> | |
| Location description: <i>Rock outcrop adjacent easement - near reference point 4031</i> | | | |
| Photo numbers: <i>119-1961</i> | | | |

| | |
|-------------------------------|-----------------------------|
| Topographical features | |
| Slope <i>5</i> | Aspect <i>N</i> |
| Outcropping % <i>90</i> | Surface Rock % <i>10</i> |
| Soil Type <i>SST</i> | Horizon visibility <i>-</i> |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species | |
|----------------------------|---|--------------|--------------------|-----------|-----------------|---|----------------------|
| Upper | <i>Trees</i> | <i>8</i> | <i>15</i> | <i>10</i> | <i>5</i> | <i>Corygumm.</i> | |
| Mid | <i>ST</i> | <i>2</i> | <i>6</i> | <i>5</i> | <i>4</i> | <i>Bank serr.</i> <i>Acacia suave</i> | |
| Lower | <i>SH</i> | <i>0.5</i> | <i>2.0</i> | <i>15</i> | <i>6</i> | <i>Platycodon sp.</i> , <i>Kentia amb</i> <i>Allodynera ret.</i> | |
| Ground | <i>Sedges</i> <i>Ferns</i> | <i>0.0</i> | <i>0.5</i> | <i>10</i> | <i>5</i> | <i>Homocidic long leaf</i> <i>Conyza flex. Ent. struts</i> | |
| Specht | FPC: 100-70% | | 70-30% | | 30-10% | | <10% |
| Trees > 30m | Tall closed-forest | | Tall open-forest | | Tall woodland | | Tall open-woodland |
| Trees 10-30m | Closed-forest | | Open-forest | | Woodland | | Open-woodland |
| Trees 5-10m | Low closed-forest | | Low open-forest | | Low woodland | | Low open-woodland |
| Trees < 5m | V. low closed-forest | | V. low open-forest | | V. low woodland | | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | | Tall open-shrubland |
| Shrubs 0.25-2m Sclerophyll | Closed Heathland | | Heathland | | Open heathland | | Spurse heathland |
| Non-sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | | Low open-shrubland |
| Mapped community | <i>Rock Plate Heath Mallee - Incorrect? BJS</i> | | | | | | |
| IECs/Threatened Plants | <i>Nil</i> | | | | | | |

| |
|--|
| General Habitat Description and comments |
| Fire History: <i>2001</i> |
| Disturbance: <i>Grazing, Roads, Powerlines, Erosion, Fire</i> |
| Adjacent land: <i>Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation</i> |
| RESILIENCE (Natural Soil Profile) - <i>(Good), Moderate, Poor, Very Poor/native pasture</i> |
| RESILIENCE (Disturbed Soil Profile) - <i>Permanently altered, Recveg area, Open space/exotic pasture</i> |
| Weeds and Weed Density: <i>Nil</i> |
| <i>- No mallee present</i> |
| |
| |
| |
| |

| | | | | | |
|--------|--------------|--------|--------------|--------|----------------|
| 5128 | Acac longi | 4788 | Epac pulch | 2079 | Lycu deute |
| 0053 | Acac llon | (4893) | Erio austr / | 6307 | Mars suave |
| (0092) | Acac suave 2 | 1281 | Fuca globo | 2179 | Micr s.sti |
| (0095) | Acac termi | 5033 | Euca haema | 2205 | Mirb rubii |
| (0098) | Acac ulici 2 | (5115) | Luca piper / | 2211 | Mitr polym |
| (0550) | Acti helia 2 | 5142 | Luca racem | 2218 | Mono ellip |
| 0857 | Acti minor | (1318) | Euca siebe / | 2220 | Mono scopu |
| 0677 | Allo litto | 1395 | Gahn siebe | 2232 | Muel oclat |
| 0206 | Ampc x.xip | 9391 | Gahn spp. | 6492 | Note longi |
| 9052 | Amyc spp. | 1440 | Glei dicar | 2436 | Pate glabr |
| 0231 | Anis avcna | 5460 | Gomp grand | 2438 | Pate seric |
| 0237 | Actu ericu | 1482 | Gomp latif | 2464 | Pers levis |
| (0555) | Bank e.eri / | 1490 | Gono teucr | 2465 | Pers linea |
| 2274 | Bank p.pal | 1494 | Good b.bel | 6783 | Pers m.nec |
| (0566) | Bank serra 2 | 5573 | Grev macro | 6809 | Petr pulch |
| 2295 | Bank s.spi | 5580 | Grev olcoi | 6810 | Petr sessi |
| 0371 | Raue rubio | 5632 | Haem plani | 2501 | Phyl hirtc |
| 0291 | Rill s.sca | (562) | Hake dacty / | 4818 | Pime l.cae |
| 0404 | Blec carti | (157) | Hake seric / | 4819 | Pimc l.lin |
| 9126 | Blec spp. | 5664 | Hake v.ter | (6960) | Plat linea 3 |
| 0426 | Boro ledif | 1596 | Hard viola | 2395 | Podo ilici |
| (0438) | Ross heter / | 1617 | Heli elatu | (2677) | Poma umbel 2 |
| (0439) | Boss obsc | 5731 | Hibb a.asp | 7060 | Pora erici |
| (2624) | Boss scelo / | 5734 | Hibb bract | 2683 | Pora micro |
| (2696) | Brac d.dap / | 5735 | Hibb circu | (2777) | Pter escul 2,3 |
| 0557 | Cale major | 1665 | Hibb denta | 9750 | Pter spp. |
| 0887 | Calo dubia | 5741 | Hibb fasci | 7232 | Pult ellip |
| 4681 | Cass glabe | 1675 | Hibb ripar | 7237 | Pult flexi |
| 4680 | Cass glabe | 5811 | Hove linea | 2857 | Pult linop |
| 3559 | Cass pubes | 1711 | Hyba monop | 7258 | Pult stipu |
| (0688) | Caus flexu 2 | 5906 | Isop anemo | 7292 | Rapa varia |
| 3690 | Cera apeta | 1843 | Kenn rubic | 2938 | Rici pinif |
| 3773 | Chlo stocce | 6004 | Lamb formo | 3023 | Seac ramos |
| 3778 | Chor cando | 6032 | Leio diosm | 3026 | Sehe undul |
| 0783 | Ciss hypog | 1920 | Lepi filif | 3030 | Schi bifid |
| 3886 | Cono erici | (1923) | J.cpi latc / | 7444 | Schi dicho |
| 3890 | Cono tenui | 1927 | Lepi neesi | 3039 | Scho apogo |
| 0835 | Cory azoni | 1930 | Lepi uroph | 3098 | Sela uligi |
| (1288) | Cory gummi 4 | 1939 | Lept acida | 7609 | Smil glyci |
| 0881 | Cryp erect | 6077 | Lept arach | 7722 | Styl linea |
| 9269 | Cryp spp. | 6088 | Lept junip | 7723 | Styl produ |
| 0884 | Cryp subul | 6105 | Lept p.pol | 7766 | Syno g.gla |
| 0899 | Cyat diand | 6114 | Lept squar | 7794 | Telo speci |
| 0953 | Damp purpu | 1950 | Lept tunc | 3348 | Tetr junce |
| 0958 | Damp stric | 6121 | Lepy scari | 4007 | Thel umbel |
| 9299 | Dend spp. | 6128 | Leuc ample | 5005 | Thel i.ixi |
| 1027 | Dian c.cae | (1978) | Leuc erico 2 | 9876 | Thel spp. |
| 4398 | Dian c.pro | 1983 | Leuc l.lan | 3406 | Tode barba |
| 4408 | Dian r.rev | 2014 | Lind linea | 7909 | Tris colli |
| 4476 | Dill flori | 2023 | Livi austr | 8007 | Viol siebe |
| (4481) | Dill retor 3 | 4163 | Loma cylin | (8061) | Wool punge 2 |
| 4558 | Dodo caruli | (4708) | Loma f.cor 2 | 8078 | Xaut media |
| 1093 | Dodo triqu | 4710 | Loma f.fil | 3592 | Xaut pilos |
| 1137 | Elae retic | 2043 | Loma glauc | 3594 | Xant tride |
| 1155 | Empo minus | (2046) | Loma longi 2 | 8089 | Xylo pyrif |
| 1161 | Ento margi | 4711 | Loma m.tub | 8094 | Xyri compl |
| (3790) | Ento stric 2 | 2048 | Loma m.mil | 3595 | Xyri graci |
| 4785 | Epac longi | (6192) | Loma obliq / | 8135 | Zier pilos |
| 5250 | Epac m.mic | 6196 | Loma silai | | |

Acacia infolia 1
Xanthorrhoea dissecta 2
~~*Hobbesia dactyloides*~~
Kunzea ambly 3
Potersonia sericea 1
Lepidospermum utrophorum !
Acacia hispida 1
 • *Sample baeshea* like 1
 not entered
 • *Fleshy Xyris* like 1
 not entered

S00396



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Gullies

Observer: NS, SEW, BJS, KEN

BIOSIS

Note: Quadrat #15
20m x 30m.

Date: 17/4/07

| | | |
|-------------------------|--|---|
| Location | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: W9030 (GPS 9) | Easting <input type="text" value="290956"/> | Northing <input type="text" value="6192542"/> |
| Location description: | CONFLUENCE OF WOODSWILL W/ CREEK AT 8107 | |
| Photo numbers: | 119-1922 (C4) | |

| | |
|-------------------------------|--------------------|
| Topographical features | |
| Slope | Aspect |
| Outcropping % | Surface Rock % |
| Soil Type | Horizon visibility |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|-----------------|--------------|--------------|-----|------|--|
| Upper | Trees | 15 | 25 | 40 | G | <i>Eucalyptus papuana</i> |
| Mid | Small Trees | 10 | 18 | 50 | G | <i>Ceratopetchum apetalum</i> , <i>Alloxosuarma barbuca</i> <i>Alouic hirsuta</i> , <i>Trist hirsuta</i> <i>littoralis</i> <i>myrt.</i> |
| Lower | Shrubs | 1 | 5 | 40 | G | <i>Fristania nervifolia</i> , <i>Lomatia myracoides</i> <i>Dodonaea frutescens</i> |
| Ground | Ferns Sedges | 0 | 2 | 25 | C | <i>Styphelia flabellata</i> |

| Specht | 1PC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

| | |
|--------------------------------|--------------|
| Mapped community | Gully Forest |
| ELC's Threatened Plants | |

| |
|--|
| General Habitat Description and comments |
| Fire History: - Upslope - only 2001 |
| Disturbance: Grazing, Roads, Powerlines, Erosion, Fire |
| Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation |
| RESILIENCE (Natural Soil Profile) < Good, Moderate, Poor, Very Poor native pasture |
| RESILIENCE (Disturbed Soil Profile) Permanently altered, Reveg area, Open space/exotic pasture |
| Weeds and Weed Density: Nil |
| Quadrat 20x30 |

0178 Acac biner 3
 3631 Acac i. irr /
 0055 Acac maide
 0057 Acac melan
 0115 Acme smith
 0116 Aero oblon
 0888 *Ager adeno
 0890 *Ager ripar
 9052 Anye spp.
 1632 Ath tenel
 1684 Aspl austr
 0288 Aspl flabc
 2136 Back myrti 4
 4291 Bill. s. sca /
 2455 Blec camfi
 0404 Blec carti
 0409 Blec p. pat
 2681 Brae accri
 2839 Brey oblon
 3212 Call serra
 08872 Calo dubia 2
 0623 Care appre
 0638 Care fasci
 0645 Care longe
 3600 Cera apeta 4
 0783 Ciss hypog
 9228 Ciss spp.
 3822 Clao austr
 0788 Clem arist
 3843 Cler tomen
 0822 Copr quadr
 9245 Copr spp.
 4094 Cryp glauc
 0881 Cryp erect
 0895 Cyat austr
 0897 Cyat leich
 4331 Dend tetra
 4398 Dian c. pro 2
 1036 Dich repen
 1039 Dick antar
 1096 Dood asper
 4597 Dory sassa
 1122 Ecti ovatu
 1137 Elae retic /
 9345 Elae spp.
 4747 Emme alphi
 4760 Endi siebe
 1167 Ento margi 3
 1254 Euca botry
 1274 Euca elata
 5016 Euca eugen
 5115 Euca piper
 1344 Eupo lauri
 1346 Eust latif
 1350 Exoc cupre
 1366 Fiel austr
 1387 Gahu clark
 1395 Gahu siebe
 1420 Geit cymos
 1427 Gera homea
 1457 Glyc tabac

1490 Geno teutr 3
 5626 Gymn ancey
 5698 *Hedy gardn
 1665 Hibb denta
 5752 Hibb scand
 5830 Hydr pedun
 1731 Hyme denta
 1751 Hypo mueli
 1923 Lepi later 2
 2023 Livi austr
 2046 Loma longi 3
 2125 Mars rostr
 6371 Melo austr
 2179 Micr s. sti
 2184 Micr scand
 2218 Mono ellip
 2224 Mori jasm
 2229 Mueh graci
 6492 Note longi
 6579 Opli actnal
 2381 Oxal exili
 9662 Oxal spp.
 6630 Ozot diosm
 6641 Palm scand
 6647 Pand p. pan
 9674 Pars spp.
 6685 Pars stran
 2449 Pell falca
 6935 Pitt multi
 2542 Pitt revol /
 2543 Pitt undul
 2574 Plec tride
 2575 Plec parvi
 4694 Poa llab
 7015 Poly cunni
 2642 Poly raura
 7082 Prat purpu
 3925 Pros incis
 2748 Pros lasia /
 7149 Pseu varia
 7163 Psyc lonic
 2777 Pter escul 4
 2791 Pter curta
 2810 Pter pedun
 9750 Pter spp.
 7237 Pult flexi
 2883 Pыр rapes
 2916 Rapa howit
 7292 Rapa vari
 5302 *Ribu chloe
 7356 Ruhu. m. mol
 7358 Ruhu nebul
 9782 Rume spp.
 3026 Sche undul
 7446 Schi ovata
 3166 Smil austr
 7609 Smil glyci 2
 3250 Stel f. acc
 7698 Sten salig
 7702 Step j. dis
 3330 Symp thwai

7766 Syno g. gla
 7787 Tasm insip
 7909 Tris colii
 7912 Troc lauri
 3467 Tylo barba
 3476 Urti incis
 7999 Viol heder /
 3605 Zier smith

Trist laurina 4
 Persoonia linearis 2
 Allocas. littoralis 3
 Dodonea trigueta 3
 Cassinia aculeata 1
 Lomatia myracoides 3
 Bursaria spinosa 3
 Sticherus flab 4
~~Atrodium etc.~~
 Chilostylus sp. 2
 Acanthus sp. 1
 Platyence lanceolata 1
 Grev. mura 2
 Ceratopetalum sumatense 3
 Kindsea microphylla 2
 Ganptolobium latifolium 2
 Leptasperrum trin 1
 " poly. 2
 Lepidosperma vraphome 1
 Acaia terminalis 1
 Pommaderis intermedia 2
 Parsonsia straminea 1
 *kasiopetalum ferr. 1
 Pteleobium squam. 1
 *Nematolepis 2 squam.
 Acrostichum chloricatum 1
 Opercularia aspera 1
~~Plectanthera lasiocarpa~~
 Dracophyllum secundatum 1
 Leucopogon lanceolatus lanceolata 2
 Cassytha glabella 3
 *Gardneria ~~leucopogon~~ subsp glabulosa 1
 Tristania necrifolia 4



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Ridges

Observer: NS + JD

Date: 8/6/07

Location: _____ **Note:** Easting and Northing is Mandatory for FIS

Waypoint: 155 (SOUTHERN SANDY CREEK) **Easting:** 293859 **Northing:** 6192776

Location description: SANDY CREEK MOUTH LOOKING FROM HINTERFALL ACCESS NOT ADEQUATE

Photo numbers: _____

Topographical features:

Slope: _____ Aspect: _____

Outcropping %: _____ Surface Rock %: _____

Soil Type: _____ Horizon visibility: _____

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|---------------------------------|--|----------------------|--------------------|-----------------|----------------------|--|
| Upper | tree | 20m | 25m | 55% | | Eucalyptus piperita |
| Mid | tree | 2m | 10m | 20% | | Leptospermum apetalum, Allocasuarina, Dryopteris, Tristramia, patches of dense (60%) canopy, various myriophytes |
| Lower | shrubs | 2m | 3m | 20% | | Halimolobos, Anacardium, Terminalia, Scaevola, Leptospermum, polygal, Galium, Pultenaea, Leucadendron |
| Ground | low scrub | | 1m | | | Leucadendron longicaule, Callitriche, Dubautia, Torea bartramii (mostly colluvial slope with substratum on top) |
| Specht: | | FPC: 100-70% | 20-30% | 55% | 30-10% | <10% + shrubs |
| Trees > 30m | | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland | |
| Trees 10-30m | | Closed-forest | Open-forest | Woodland | Open-woodland | |
| Trees 5-10m | | Low closed-forest | Low open-forest | Low woodland | Low open-woodland | |
| Trees < 5m | | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland | |
| Shrubs > 2m | | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland | |
| Shrubs 0.25-2m | | | | | | |
| Sclerophyll | | Closed heathland | Heathland | Open heathland | Sparse heathland | |
| Non sclerophyll | | Low closed-scrub | Low open-scrub | Low shrubland | Low open-shrubland | |
| Mapped community: | SGPF (with patches of grass understorey) | | | | | |
| R/C/I Threatened Plants: | | | | | | |

General Habitat Description and comments:

Fire History: _____

Disturbance: Grazing, Roads, Powerlines, Erosion, (Fire) natural, natural pole holes, no others

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile): Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile): Permanently altered, Reveg area, Open space/exotic pasture

Woods and Weed Density: _____

Flora: large trees + hollow permanent canopy with many large trees, rubbery oak canopies, considerable canopy cover, mistletoes (many), much taller timber

| | | | | | |
|------|-------------|------|-------------|------|------------|
| 5128 | Acac longi | 4788 | Epac pulch | 2079 | Lycx deute |
| 0053 | Acac l.lon | 4893 | Erio austr | 6307 | Mars suave |
| 0092 | Acac suave | 1281 | Fuca globo | 2179 | Mier s.sti |
| 0095 | Acac termi | 5033 | Fuca haema | 2205 | Mirb rubii |
| 0098 | Acac ulici | 5115 | Fuca piper | 2211 | Mitr polym |
| 3650 | Acti helia | 5142 | Fuca racem | 2218 | Mono ellip |
| 0857 | Acti minor | 1318 | Fuca siebe | 2220 | Mono scopu |
| 0677 | Allo litto | 1395 | Gahn siebe | 2232 | Muel oelas |
| 0206 | Ampc x.xip | 9391 | Gahn spp. | 6492 | Note longi |
| 9052 | Amyc spp. | 1440 | Gilei dicar | 2436 | Pate glabr |
| 0231 | Anis avena | 5460 | Gomp grand | 2438 | Pate scrie |
| 0237 | Actu erico | 1482 | Gomp latif | 2464 | Pers levis |
| 2255 | Bank e.eri | 1490 | Gono teuer | 2465 | Pers linea |
| 2274 | Bank p.pal | 1494 | Good b.bel | 6783 | Pers m.nec |
| 0366 | Bank serra | 5573 | Grev mucro | 6809 | Petr pulch |
| 2295 | Bank s.spi | 5580 | Grev oleoi | 6810 | Petr sessi |
| 0371 | Baue rubic | 5632 | Haem plani | 2501 | Phyl hirte |
| 4291 | Bill s.sca | 562 | Hake dacty | 4818 | Pime l.cae |
| 0404 | Blec carti | 571 | Hake seric | 4819 | Pime l.lin |
| 9126 | Blec spp. | 5664 | Hake t.ter | 6960 | Plat linea |
| 0426 | Boro ledif | 1596 | Hard viola | 2395 | Podo ilici |
| 0438 | Boss heter | 1617 | Heli elatu | 2677 | Poma umbel |
| 0439 | Boss obscor | 5731 | Hibb a.asp | 7060 | Pora erici |
| 2624 | Boss scolo | 5734 | Hibb bract | 2683 | Pora micro |
| 2696 | Brac d.dap | 5735 | Hibb circu | 2777 | Pter escul |
| 0557 | Cale major | 1665 | Hibb denta | 9750 | Pter spp. |
| 0887 | Calo dubia | 5741 | Hibb fasci | 7232 | Pult ellip |
| 4681 | Cass glabe | 1675 | Hibb ripar | 7237 | Pult flexi |
| 4680 | Cass glabe | 5811 | Hlove linea | 2857 | Pult linop |
| 3559 | Cass pubes | 1711 | Hlyba monop | 7258 | Pult stipu |
| 0688 | Caus flexu | 5906 | Isop anemo | 7292 | Rapa varia |
| 3690 | Cera apeta | 1848 | Kenn rubic | 2938 | Rici pimf |
| 3773 | Chlo stoea | 6004 | Lamb forno | 3023 | Scae ramos |
| 3778 | Chor cando | 6032 | Leio diosm | 3026 | Sche undul |
| 0783 | Ciss hypog | 1920 | Lepi filif | 3030 | Schi bifid |
| 3886 | Cono erici | 1923 | Lepi later | 7444 | Schi dicho |
| 3890 | Cono tenui | 1927 | Lepi neesi | 3039 | Scho apogo |
| 0835 | Cory acomi | 1930 | Lepi uroph | 3098 | Sela uligi |
| 1288 | Cory gummi | 1939 | Lept acida | 7609 | Smil glyci |
| 0881 | Cryp erect | 6077 | Lept arach | 7722 | Styl linea |
| 9269 | Cryp spp. | 6088 | Lept junip | 7723 | Styl produ |
| 0884 | Cryp subul | 6105 | Lept p.pol | 7766 | Syno g.gla |
| 0899 | Cyat diand | 6114 | Lept squar | 7794 | Telo speci |
| 0953 | Damp purpu | 1950 | Lept trino | 3348 | Tetr junce |
| 0958 | Damp stric | 6121 | Lepy scari | 4007 | Ttel umbel |
| 9299 | Dend spp. | 6128 | Leuc ample | 5005 | Ttel tixi |
| 1027 | Dian c.cac | 1978 | Leuc erico | 9876 | Ttel spp. |
| 4398 | Dian c.pro | 1983 | Leuc l.lan | 3406 | Tode barba |
| 4408 | Dian r.rev | 2014 | Lind linea | 7909 | Tris colli |
| 4476 | DiL flori | 2023 | Livi austr | 8007 | Viol siebe |
| 4481 | Dill retor | 4163 | Loma cylin | 8061 | Wool punge |
| 4558 | Dodo catnfi | 4709 | Loma f.cor | 8078 | Xant media |
| 1093 | Dodo triqu | 4710 | Loma f.fil | 3592 | Xant pilos |
| 1137 | Elae relic | 2043 | Loma glauc | 3594 | Xant tride |
| 1155 | Empo minus | 2046 | Loma longi | 8089 | Xylo pyrif |
| 1161 | Ento margi | 4711 | Loma m.tub | 8094 | Xyri compl |
| 3790 | Ento stric | 2048 | Loma m.und | 3595 | Xyri graci |
| 4785 | Epac longi | 6192 | Loma obliq | 8135 | Zier pilos |
| 5250 | Epac m.mic | 6196 | Loma silai | | |

Kunzea ambig.
Baccharis imbr.
Allocaea nama.
Cryptanthus sp.
Baccharis lin.
Dana. grand.
Lycopodium



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Ridges

Observer: BJS / SEW

Date: 20/4/07

| | | |
|--|--|------------------|
| Location | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 058 (9PSA) | Easting 291774 | Northing 6116103 |
| Location description: Creekline west of G022 | | |
| Photo numbers: 19-1958 | | |

| | |
|-------------------------------|-------------------------|
| Topographical features | |
| Slope S | Aspect West |
| Outcropping % 0 | Surface Rock % 0 |
| Soil Type Sand/Alluvial | Horizon visibility Poor |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|-------------|--------------|--------------|-----|------|---|
| Upper | T | 10 | 15 | 40 | G | Euc race, Euc (P), |
| Mid | ST | 4 | 6 | 35 | G | lept trin, Bank scrf, |
| Lower | Shrub | 1 | 2 | 20 | G | Azac linif, A. term, lept poly, Crew meid, Kap anem |
| Ground | sedaf/ herb | 0 | 0.5 | 40 | G | Cyathoch eland, Corac teng, lept scar, Schoen melano |

| Specht | HPC: 100-70% | 70-30% | 30-10% | <10% |
|-----------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10-30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5-10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25-2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparsc heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

| | |
|-------------------------------|--------------|
| Mapped community | Gully Forest |
| ERCs/Threatened Plants | |

| |
|--|
| General Habitat Description and comments |
| Fire History: 2001 fire |
| Disturbance: Grazing, Roads, Powerlines, Erosion, Fire |
| Adjacent land: Cleared, Residential, Scattered Trees, (Uncleared), Riparian vegetation |
| RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture |
| Weeds and Weed Density: No weeds |
| |
| |
| |
| |
| |



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Swamps

Observer: BJS SEW

Date:

Location **Note:** Easting and Northing is Mandatory for FIS

Waypoint: 56 (69) Easting 2977589 Northing 6797703

Location description: Creek adjacent/parallel to Fire road 6E
Down stream of 6006

Photo numbers: 119-1956

| Topographical features | |
|----------------------------------|--------------------|
| Slope 5 | Aspect |
| Outcropping % 2 in creek bedrock | Surface Rock % 0 |
| Soil Type 55T | Horizon visibility |

| Strata | Form | Lower Height | Upper Height | PPC | Cond | Dominant Species |
|--------|------------|--------------|--------------|-----|------|--|
| Upper | Trees | 12 | 18 | 35 | G | Euc. pp, Euc. cal. |
| Mid | ST | 4 | 8 | 15 | G | Allo. litt, Lept. trin, Acacia rubida, Banksia |
| Lower | SH | 1 | 3 | 50 | G | Crev. macro, Lepto poly, Banksia eric, Acacia long, Acacia ferr, Mel. squoii |
| Ground | Ferns Herb | 0 | 1 | 20 | G | Schoenus plectanostachys, Reticia rha, Ent. mang, Lam. mult, Closteria d. i |

| Species | PPC: 100-70% | 70-30% | 30-10% | <10% |
|-----------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10-30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5-10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25-2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: **SAPP**

RCCs/Threatened Plants:

General Habitat Description and comments

Fire History: 2001

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: Nil

- Pommeroyia sample WP PRO7 on old Garmin nearby



Vegetation Assessment

Project #: 4447 – Dend A3 SIS swamps

Observer: NS KEN

Date: 19/4/07

Location: *Wentworth* **Note:** Easting and Northing is Mandatory for FIS

Waypoint: *04: GPS 14* Easting *292559* Northing *6194846*

Location description: *US - BHC-TTT w/ patches BT - beside FEN (W & N slopes SGP?)*

Photo numbers: *100-0041 25*

Topographical features:

Slope *< 2%* Aspect *N*

Outcropping % *No* Surface Rock % *No*

Soil Type *Sand / organic* Horizon visibility *∞*

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|------|--------------|--------------|-----|------|------------------|
| Upper | | | | | | |
| Mid | | | | | | |
| Lower | | | | | | |
| Ground | | | | | | |

Typical structure & floristic composition

| Specht | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 – 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 – 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 – 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: *SGP - SGP7 ✓*

ERCs/Threatened Plants: *N*

General Habitat Description and comments:

Fire History: *2001 dissected*

Disturbance: *Grazing, Roads, Powerlines, Erosion, Fire*

Adjacent land: *Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation*

RESILIENCE (Natural Soil Profile) *Good* Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) – *Permanently altered, Reveg area, Open space/exotic pasture*

Weeds and Weed Density: *NIL*

W & N slopes SGP7



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Swamps

Observer: NS KEN

Date: 19/4/07

Location _____ **Note:** Easting and Northing is Mandatory for FIS

Waypoint: 040 GPS 14 Easting 2|9|2|7|4|0 Northing 6|1|9|5|1|7|5

Location description:
SGP7

Photo numbers: 100-0040 CS

Topographical features:

Slope: rock 5% adjacent NS facing slope 24.7% Aspect E

Outcropping % 40% Surface Rock % 10%

Soil Type Sand Horizon visibility 200m

| Strata | Form | Lower Height | Upper Height | FPC | Cond | Dominant Species |
|--------|------|--------------|--------------|-----|------|------------------|
| Upper | | | | | | |
| Mid | | | | | | |
| Lower | | | | | | |
| Ground | | | | | | |

| Specht | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 – 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 – 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 – 2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: SGP7 ✓

ITCs/Threatened Plants: NU

General Habitat Description and comments

Fire History: 2501

Disturbance: Grazing, Roads, Powerlines, Erosion, fire

Adjacent land: Cleared, Residential, Scattered Trees, cleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) – Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) – Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: NU

SGP7 very sandstone bedded creek, downstream of US.

Reasonably steep sided gully; shallower on S side.

Typical floristics E. stricative (open forest) SGP7.



Vegetation Assessment

ally

Project #: 4447 - Dend A3 SIS Ridges

Observer: BJS/SEW

Date: 13/4/07

Location Note: Easting and Northing is Mandatory for FIS
 Waypoint: 020 (459) Easting 289041 Northing 61195356
 Location description: Tributary of Avon Dam.
 Photo numbers: 119-1910-camera.4

Topographical features
 Slope 20 Aspect westerly
 Outcropping % 20 Surface Rock % 0
 Soil Type sand Horizon visibility poor

| Strata | Form | Lower Height | Upper Height | PfC | Cond | Dominant Species |
|-------------------------------|---------------|----------------------|--------------|--------------------|------|--|
| Upper | T | 12 | 15 | 20 | G | Euca racem, Euca piperita |
| Mid | ST | 4 | 6 | 40 | G | Banksia, lept trin, |
| Lower | shrub | 1 | 3 | 20 | G | lepta lanig, lepta polyq, Hakea etc |
| Ground | shrub tree | 0 | 1 | 70 | G | callist citrinus, Pentstemon pulch, Cleome dicarp, Eppc. rubriade Darwin grand, Bauera micro |
| Specht | | IPC: 100-70% | | 70-30% | | 30-10% |
| Trees > 30m | | Tall closed-forest | | Tall open-forest | | Tall woodland |
| Trees 10 - 30m | | Closed-forest | | Open-forest | | Woodland |
| Trees 5 - 10m | | Low closed-forest | | Low open-forest | | Low woodland |
| Trees < 5m | | V. low closed-forest | | V. low open-forest | | V. low woodland |
| Shrubs > 2m | | Closed-scrub | | Open-scrub | | Tall shrubland |
| Shrubs 0.25 - 2m | | | | | | Tall open-shrubland |
| Sclerophyll | | Closed heathland | | Heathland | | Open heathland |
| Non-sclerophyll | | Low closed-scrub | | Low Open-scrub | | Low shrubland |
| Mapped community | <u>SAPF</u> | | | | | |
| DECC/Threatened Plants | | | | | | |

General Habitat Description and comments
 Fire History: 2001
 Disturbance: Grazing, Roads, Powerlines, Erosion, fire
 Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation
 RESILIENCE (Natural Soil Profile) Good, Moderate, Poor, Very Poor/native pasture
 RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture
 Weeds and Weed Density: No weeds.

Epithermal drainage line running over sandstone bedrock draining from several swamps at head of gully.



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Ridges

Observer: SEW/BJS

Date: 12/4/07

| | | | | |
|---|--|--------|----------|---------|
| Location | Note: Easting and Northing is Mandatory for FIS | | | |
| Waypoint: 013 489 | Easting | 272610 | Northing | 6195206 |
| Location description: Wangawilli Creek - sandstone / heathy veg scribbly gum woodland down to creek edge. | | | | |
| Photo numbers: 100-0006 - camera 5 + 100-0005 | | | | |

| | |
|-------------------------------|-------------------------|
| Topographical features | |
| Slope S | Aspect East |
| Outcropping % 0 | Surface Rock % 0 |
| Soil Type sandstone | Horizon visibility poor |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species | |
|-------------------------------|----------------------|--------------|--------------------|-----|-----------------|---|----------------------|
| Upper | T | 15 | 20 | 15 | G | Euc racem, Euc pip. | |
| Mid | ST | 2 | 6 | 20 | G | Lept trin, Acac rubicda, | |
| Lower | shrub | 0.5 | 2 | 35 | G | lam's form, Bank euc, Bank palm, Acac linif, Isop ^{open} | |
| Ground | edge | 0 | 0.5 | 50 | G | Cynthorch dard, leptac tenuy, leayr scar, | |
| Specht | PFC: 100-70% | | 70-30% | | 30-10% | | <10% |
| Trees > 30m | Tall closed-forest | | Tall open-forest | | Tall woodland | | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | | Open-forest | | (Woodland) | | Open-woodland |
| Trees 5 - 10m | Low closed-forest | | Low open-forest | | Low woodland | | Low open-woodland |
| Trees < 5m | V. low closed-forest | | V. low open-forest | | V. low woodland | | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | | | | |
| Sclerophyll | Closed heathland | | Heathland | | Open heathland | | Spase heathland |
| Non-sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | | Low open-shrubland |
| Mapped community | SAFE | | | | | | |
| ELCs/Threatened Plants | | | | | | | |

| | |
|---|--|
| General Habitat Description and comments | |
| Fire History: 2001 fire | |
| Disturbance: Grazing, Roads, Powerlines, Erosion, <u>fire</u> | |
| Adjacent land: Cleared, Residential, Scattered Trees, <u>Uncleared</u> , Riparian vegetation | |
| RESILIENCE (Natural Soil Profile) - <u>Good</u> , Moderate, Poor, Very Poor/native pasture | |
| RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture | |
| Weeds and Weed Density: <u>No weeds.</u> | |
| Not extensive rock platforms in nearby creekline. | |
| A in veg began ~150m north of OT, where walk of ferns out + scribbly gums dominate to creek bank. | |



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Swamps

Observer: NS KEN

Date: 20/4/07

| | | |
|-------------------------------|--|--------------------------------------|
| Location: | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 056 GIS 14 | Easting 2 9 2 6 8 5 | Northing 6 1 1 9 2 6 8 |
| Location description: ESSW | | |
| Photo numbers: 100 - 0051 05 | | |

| | |
|--------------------------------|-------------------------|
| Topographical features: | |
| Slope 5% | Aspect NE |
| Outcropping % No | Surface Rock % No |
| Soil Type Sand | Horizon visibility 100m |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|----------------------|--------------|--------------|-----|------|---|
| Upper | Canopy Trees | 17 | 20 | 30 | Good | Euc. salt Scaevola gummata Euc. ripens Euc. radicans |
| Mid | Small tree | 8 | 10 | 20 | Good | Melaleuca Leptospermum Styphalegium succ. sp. |
| Lower | Shrubs | 1.5 | 4 | 60 | Good | Acacia - km Linh Frankia Keston poly Hardenbergia Pentstemon |
| Ground | Sedges & Herbs | 0 | 1 | 4-3 | Good | Lomandra sp. Scleria Lepid. sordida |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-scrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low open-scrub | Low shrubland | Low open-scrubland |

Mapped community: mapped as US, but probably ESSW w/ minor swamp components

IECs/Threatened Plants: N/A

| |
|---|
| General Habitat Description and comments: |
| Fire History: 2001 |
| Disturbance: Grazing, Roads, <u>Powerlines</u> , Erosion, <u>Fire</u> adjacent |
| Adjacent land: Cleared, Residential, Scattered Trees, <u>Uncleared</u> , Riparian vegetation |
| RESILIENCE (Natural Soil Profile) - <u>Good</u> Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile) - Permanently altered, <u>Reveg</u> area, Open space/exotic pasture |
| Weeds and Weed Density: N/A |
| mapped as US, but likely ESSW, w/ swamp influences. |



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Gullies

Observer: BOS & SEW

Date: 16/04/07

Location: **Note:** Easting and Northing is Mandatory for FIS

Waypoint: 24 (GPS 9) Easting 229815 Northing 819048E

Location description: *Sulamp in base of valley tributary of Avon Dam. Access off Dombarton-Maldon (Rail Line.)*

Photo numbers: *119-1913 Camera 4*

Topographical features

Slope 5° Aspect West

Outcropping % 0 Surface Rock % 0

Soil Type - Horizon visibility 100-600m

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species | |
|-------------------------------|---|--------------|--------------------|-----|-----------------|---|----------------------|
| Upper | Trees | 10 | 15 | 5 | G | <i>Euc. pop, Euc. rac (All young)</i> | |
| Mid | Small Tree | 2 | 5 | 80 | G | <i>Acacia rubra, Lepto. poly.</i> | |
| Lower | Shrubs | 1 | 2 | 80 | G | <i>Banksia eric, Petrophile pulch, Maty. acier m. Pult. elliptica, Conospermum ten.</i> | |
| Ground | Shrubs Sedges | 0 | 1 | 90 | G | <i>Leptosperma hirsuta, Conospermum ten. Leptosperma tenu, Euc. stricta</i> | |
| Species | FPC: 100-70% | | 70-30% | | 30-10% | | <10% |
| Trees > 30m | Tol. closed-forest | | Tall open forest | | Tall woodland | | Tall open woodland |
| Trees 10-30m | Closed-forest | | Open-forest | | Woodland | | Open-woodland |
| Trees 5-10m | Low closed-forest | | Low open-forest | | Low woodland | | Low open-woodland |
| Trees < 5m | V. low closed-forest | | V. low open-forest | | V. low woodland | | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | | Tall open-shrubland |
| Shrubs 0.25-2m | Closed-scrub | | Open-scrub | | Tall shrubland | | Tall open-shrubland |
| Sclerophyll | Closed Heathland | | Heathland | | Open heathland | | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | | Low open-shrubland |
| Mapped Community | <i>Upland Swamp MUSA Tea Tree Thicket *</i> | | | | | | |
| RFCs/Threatened Plants | | | | | | | |

General Habitat Description and comments:

Fire History: *2001*

Disturbance: *Grazing, Roads, Powerlines, Erosion, Fire - Altered drainage from*

Ajacent land: *Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation*

RESILIENCE (Natural Soil Profile) *< Good, Moderate, Poor, Very Poor* native pasture

RESILIENCE (Disturbed Soil Profile) *- Permanently altered, Reveg area, Open space/exotic pasture*

Weeds and Weed Density: *Nil*

** Banksia thicket present along southern boundary - marginal habitat or Raricaria Area 10m x 15m*



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Swamps

Observer: BJS/SEW

Date: 13/4/07

| | | |
|---|--|------------------|
| Location | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 021 (GPS on) | Easting 289233 | Northing 6170433 |
| Location description: Upland Swamp - tea tree thicket, upstream of Tributary of Avon dam, in base of gully. | | |
| Photo numbers: 119-191 camera + | | |

| | |
|-------------------------------|-------------------------|
| Topographical features | |
| Slope S | Aspect Westerly |
| Outcropping % 0 | Surface Rock % 0 |
| Soil Type sandy | Horizon visibility Poor |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|-------|--------------|--------------|-----|------|---|
| Upper | ST | 4 | 7 | 80 | G | Acac robusta, Bank rob, Lepto poly, Lepto junif |
| Mid | shrub | 1 | 2 | 60 | G | Lepto poly, Lepto larrig, Bauera rob, Bank rob |
| Lower | edges | 0 | 1 | 20 | G | Baum tone, Ginn sieb |
| Ground | | | | | | |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|--------------------------------|-------------------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Spore heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |
| Mapped community: | Tea-tree thicket-upland swamp | | | |
| EECs/Threatened Plants: | None | | | |

| |
|--|
| General Habitat Description and comments: |
| Fire History: 200 fires |
| Disturbance: Grazing, Roads, Powerlines, Erosion, <u>fire</u> |
| Ajacent land: Cleared, Residential, Scattered Trees, <u>Uncleared</u> , Riparian vegetation |
| RESILIENCE (Natural Soil Profile) - <u>Good</u> , Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture |
| Weeds and Weed Density: <u>No weeds</u> |
| Tea-tree thicket-upland swamp |
| Dense regrowth of <u>tragic</u> <u>wool</u> <u>post</u> |
| Intruse vine. Some loss of grass |
| Pre-fire swamp likely to be dominated by tea tree. |



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Gullies

Observer: *BTS, SEW*

Date: *20/04/07*

Location: *53 (GPS-2R)* **Note:** Easting and Northing is Mandatory for FIS

Waypoint: *53 (GPS-2R)* Easting *289421* Northing *6195052*

Location description: *Upland swamp adjacent to Donalds Castle Creek near Ref # 6036*

Photo numbers: *119-1952, 119-1953 (Adjacent woodland)*

Topographical features:

Slope *2°* Aspect *NE*

Outcropping % *0* Surface Rock % *0*

Soil Type *SST* Horizon visibility *-*

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|-----------------------------------|---|----------------------|--------------|--------------------|-----------------|---|
| Upper | | | | | | |
| Mid | <i>Trees</i> | <i>4</i> | <i>8</i> | <i>45</i> | <i>G</i> | <i>Mel. lin</i> |
| Lower | <i>Shrubs</i> | <i>2</i> | <i>4</i> | <i>80</i> | <i>G</i> | <i>Acacia robusta, Leptopogon juniperifolius, Hakea dwarf, Banksia eric, B. rotundifolia</i> |
| Ground | <i>Ferns, Mosses, Epiphytes</i> | <i>0</i> | <i>1.5</i> | <i>70</i> | <i>G</i> | <i>Cheilanthes thalictroides, Dillwynia speciosa, B. eric, Empodisma minus, Leptocarpus tenax</i> |
| Species | | PFC: 100-70% | | 70-30% | 30-10% | <10% |
| Trees > 30m | | Tall closed-forest | | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | | Closed-forest | | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | | Low closed-forest | | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | | V. low closed-forest | | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | | (Closed-scrub) | | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | | | |
| Sclerophyll | | Closed heathland | | Heathland | Open heathland | Sporadic heathland |
| Non-sclerophyll | | Low closed-scrub | | Low Open-scrub | Low shrubland | Low open-shrubland |
| Mapped community: | <i>Sedge-heath Heath Complex / Invariant? - Tea tree thickets</i> | | | | | |
| E.E.C.s/Threatened Plants: | <i>N</i> | | | | | |

General Habitat Description and comments:

Fire History: *2001 - Small part fire seen*

Disturbance: *Grazing, Roads, Powerlines, Erosion, Fire*

Adjacent land: *Cleared, Residential, Scattered trees, Uncleared, Riparian vegetation*

RESILIENCE (Natural Soil Profile) *(Good), Moderate, Poor, Very Poor/native pasture*

RESILIENCE (Disturbed Soil Profile) *- Permanently altered, Reveg area, Open space/exotic pasture*

Weeds and Weed Density: *N*

Adjacent woodland does not appear to be former Eurologist woodland i.e. has no swamp understorey see photo 119-1953



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Swamps

Observer: *BJS, SEN*

Date: *17/04/07*

Location _____ **Note:** Easting and Northing is Mandatory for FIS

Waypoint: *31 (255-9)* Easting Northing

Location description: *Upland swamp, adjacent to track 6A*

Photo numbers: *119-124*

| | |
|-------------------------------|--------------------------|
| Topographical features | |
| Slope _____ | Aspect _____ |
| Outcropping % _____ | Surface Rock % _____ |
| Soil Type _____ | Horizon visibility _____ |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|---------------|--------------|--------------|-----------|----------|---|
| Upper | | | | | | |
| Mid | | | | | | |
| Lower | <i>Shrub</i> | <i>1</i> | <i>4</i> | <i>50</i> | <i>G</i> | <i>Lepto poly, Bank eric, Petrophile serr.</i> |
| Ground | <i>Sedges</i> | <i>0</i> | <i>0.5</i> | <i>70</i> | <i>G</i> | <i>Sclagmelle sly., Lepto. tenax, Beauv. micr</i> |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|-----------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tal. open-forest | Tall woodland | Tall open-woodland |
| Trees 10-30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5-10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25-2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed scrub | Low Open-scrub | Low shrubland | Low open shrubland |

Mapped community: *USSAC*

RIC/Threatened Plants: _____

General Habitat Description and comments

Fire History: *2001*

Disturbance: *Grazing, Roads, Powerlines, Erosion, Fire*

Adjacent land: *Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation*

RESILIENCE (Natural Soil Profile) - *Good, Moderate, Poor, Very Poor/native pasture*

RESILIENCE (Disturbed Soil Profile) *Permanently altered, Reveg area, Open space/exotic pasture*

Woods and Weed Density: *Nil*



Vegetation Assessment

Project #: 4447 - Dend A3 SIS ~~Gullies~~ ^{Swamp}

Observer: BJS / SEW

Date: 18/4/07

| | | |
|--|---|------------------|
| Location | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 034 (GPS) | Easting 291636 | Northing 6191288 |
| Location description: upland swamp, in upper reaches of tributary of Wongawilli ck. Near 30th. | | |
| Photo numbers: 119-1937 (14) | | |

| | |
|-------------------------------|-------------------------|
| Topographical features | |
| Slope 2 | Aspect west |
| Outcropping % 0 | Surface Rock % 0 |
| Soil Type Sand | Horizon visibility poor |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|------------------|------------------|--------------|--------------|-----|------|--|
| Upper | | | | | | |
| Mid | ST + large shrub | 2 | 5 | 10 | G | Euc saplings, Vimin junce, lepto lanig, lepto junip |
| Lower | shrub | 0 | 2 | 70 | G | Bank. eric, leptosqua, Bank rob, plays line, D. hu florib, |
| Ground | scabs Rain | 0 | 1 | 60 | G | Lept scar, Balost grac, lepto terax, anorp trul |

| Spceht | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed forest | Tall open forest | Tall woodland | Tall open woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-scrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-scrubland |

Mapped community: Sclerophyll heath complex - wraig

RFCs/Threatened Plants:

General Habitat Description and comments

Fire History: 2001 fire

Disturbance: Grazing, Roads, Powerlines, Erosion, fire

Ajacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) - Good Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: No weeds.

Banksia thicket around edges of swamp w/ tree thicket in middle of swamp (water areas) - check trap units.



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Gullies

Observer: BJS/SEW

Date: 18/4/07

Swamp

Location: ... **Note:** Fasting and Northing is Mandatory for FIS

Waypoint: 055 (APS 9) Easting 291813 Northing 6191912

Location description: Upland swamp off seismic line to west of GF B/W G121+G122.

Photo numbers: 119-1934 + 119-1940 (14)

Topographical features:

Slope 10 Aspect west

Outcropping % 2 Surface Rock % 0

Soil Type sand Horizon visibility Good

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|-------------------------------|----------------------------------|----------------------|--------------|--------------------|------|--|
| Upper | | | | | | |
| Mid | ST | 4 | 6 | 20 | G | <i>Euca stricta</i> |
| Lower | shrub | 0.5 | 2 | 70 | G | <i>Bank eric, flake here, Dillwyn fibris, lept squar</i> |
| Ground | sedge | 0 | 0.5 | 50 | G | <i>Lepidosp linic, lepidosp unsp, leprood scar, Boecklinia</i> |
| Specht | | PFC: 100-70% | | 70-30% | | 30-10% |
| | | | | | | <10% |
| Trees > 30m | | Tall closed-forest | | Tall open-forest | | Tall woodland |
| Trees 10 - 30m | | Closed-forest | | Open-forest | | Woodland |
| Trees 5 - 10m | | Low closed-forest | | Low open-forest | | Low woodland |
| Trees < 5m | | V. low closed-forest | | V. low open-forest | | V. low woodland |
| Shrubs > 2m | | Closed-scrub | | Open-scrub | | Tall shrubland |
| Shrubs 0.25 - 2m | | | | | | Tal. open-shrubland |
| Sclerophyll | | Closed heathland | | Heathland | | Open heathland |
| Non-sclerophyll | | Low closed-scrub | | Low Open-scrub | | Low shrubland |
| Mapped community | <u>Sedge/leand-heath complex</u> | | | | | |
| EECs/Threatened Plants | | | | | | |

General Habitat Description and comments

Fire History: 2001 fire

Disturbance: Grazing, Roads, Powerlines, Erosion, fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: No weeds

Banksia thickets? - creek description:

With time since fire - likely to be dominated by bank eric + flake here.



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Ridges

Observer: _____

Date: _____

Location: _____ **Note:** Easting and Northing is Mandatory for FIS

Waypoint: 00° Easting 288710 Northing 6193669

Location description: _____

Photo numbers: 00 – 000 05

| | | |
|------------------------------|-------------------------------|------------------|
| Topographic features: | Slope <u>3-5</u> | Aspect <u>NE</u> |
| Outcropping % <u>Nil</u> | Surface Rock % <u>Nil</u> | |
| Soil Type _____ | Horizon visibility <u>Nil</u> | |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species | |
|-------------------------------|----------------------|--------------|--------------------|-----|-----------------|--|----------------------|
| Upper | N/A | | | | | | |
| Mid | N/A | | | | | | |
| Lower | Shrub | 1 | 2 | <10 | Good | <i>Banksia robur</i> <i>Mitrasacme frmi</i> | |
| Ground | Sedge | 0 | 1 | 100 | Good | <i>Lepido linc</i> <i>Lortoc tenax</i> <i>Schinonot bred</i> <i>Lepirod sp.</i> | |
| Species | PFC: 100-70% | | 70-30% | | 30-10% | | <10% |
| Trees > 30m | Tall closed-forest | | Tall open-forest | | Tall woodland | | Tall open-woodland |
| Trees 10 – 30m | Closed-forest | | Open-forest | | Woodland | | Open-woodland |
| Trees 5 – 10m | Low closed-forest | | Low open-forest | | Low woodland | | Low open-woodland |
| Trees < 5m | V. low closed forest | | V. low open-forest | | V. low woodland | | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | | Tall open-shrubland |
| Shrubs 0.25 – 2m | | | | | | | |
| Sclerophyll | Closed Heathland | | Heathland | | Open heathland | | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | | Low open-shrubland |
| Mapped community | <u>US-SHC ✓</u> | | | | | | |
| EECs/Threatened Plants | _____ | | | | | | |

General Habitat Description and comments:

Fire History: _____

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RUSILIENCE (Natural Soil Profile) – Good, Moderate, Poor, Very Poor/native pasture

RUSILIENCE (Disturbed Soil Profile) – Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: Nil

Typical US-SHC w/ Sphered heath fringed by heathoid

Mapping confirmed

Exc litter



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Swamps

Observer: NS KEN

Date: 13/4/07

| | | |
|---|---|---|
| Location | Note: Easting and Northing is Mandatory for FJS | |
| Waypoint: 010 | Easting <input type="text" value="288877"/> | Northing <input type="text" value="6193983"/> |
| Location description: | | |
| Photo numbers: <u>PH 100-001</u> <u>CS</u> | | |

| | |
|------------------------|------------------------|
| Topographical features | |
| Slope 2-5 | Aspect |
| Outcropping % Nil | Surface Rock % Nil |
| Soil Type | Horizon visibility Nil |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species | |
|------------------------|----------------------|--------------|--------------------|-----|-----------------|---|----------------------|
| Upper | N/A | | | | | | |
| Mid | N/A | | | | | | |
| Lower | Shrub | | 4 | 20 | Good | <i>Arac rubida</i> <i>Banksia spin</i> <i>robur</i> <i>Hakea clarkii</i> | |
| Ground | Sedges | 0 | | 90 | Good | <i>Lepid linc</i> <i>Leptol fern</i> <i>Gymnoschoenus spha</i> | |
| Specht | PFC: 100-70% | | 70-30% | | 30-10% | | <10% |
| Trees > 30m | Tall closed-forest | | Tall open-forest | | Tall woodland | | Tall open-woodland |
| Trees 10 – 30m | Closed-forest | | Open-forest | | Woodland | | Open-woodland |
| Trees 5 – 10m | Low closed-forest | | Low open-forest | | Low woodland | | Low open-woodland |
| Trees < 5m | V. low closed-forest | | V. low open-forest | | V. low woodland | | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | | Tall open-shrubland |
| Shrubs 0.25 – 2m | | | | | | | |
| Sclerophyll | Closed Heathland | | Heathland | | Open heathland | | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | | Low open-shrubland |
| Mapped community | US-SHC ✓ | | | | | | |
| EECs/Threatened Plants | | | | | | | |

| | |
|--|--|
| General Habitat Description and comments | |
| Fire History: | |
| Disturbance: Grazing, Roads, Powerlines, Erosion, Fire | |
| Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation | |
| RESILIENCE (Natural Soil Profile) – Good, Moderate, Poor, Very Poor/native pasture | |
| RESILIENCE (Disturbed Soil Profile) – Permanently altered, Reveg area, Open space/exotic pasture | |
| Weeds and Weed Density: | |
| <i>Patches of fringing Eucalyptus woodland</i> | |
| <i>Shrub layer patchy</i> | |
| <i>Euc litter</i> | |



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Ridges

Observer: NS KEN

Date: 13/4/07

Location Note: Easting and Northing is Mandatory for FIS

Waypoint: 012 Easting 229157 Northing 6194301

Location description:

Photo numbers: P#100-0012 65

Topographical features

Slope 5-10 Aspect N
 Outcropping % Nil Surface Rock % Nil
 Soil Type Horizon visibility Nil

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species | |
|------------------------------|-----------------|----------------------|--------------|--------------------|-------|--|----------------------|
| Upper | N/A | | | | | | |
| Mid | N/A | | | | | | |
| Lower | Shrub | 1 | 3 | 30 | Wood | Banksia eric " robust Lepto poly | |
| Ground | Terns Sedges | 0 | | | Grass | Alphitonia spp. ^{small} Lepido l. m. Lepto tenax Dillw floor | |
| Species | | FPC: 100-70% | | 70-30% | | 30-10% | <10% |
| Trees > 30m | | Tall closed-forest | | Tall open-forest | | Tall woodland | Tall open woodland |
| Trees 10 - 30m | | Closed-forest | | Open-forest | | Woodland | Open-woodland |
| Trees 5 - 10m | | Low closed-forest | | Low open-forest | | Low woodland | Low open-woodland |
| Trees < 5m | | V. low closed-forest | | V. low open-forest | | V. low woodland | V. low open-woodland |
| Shrubs > 2m | | Closed-scrub | | Open-scrub | | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | | | | |
| Sclerophyll | | Closed Heathland | | Heathland | | Open heathland | Sparse heathland |
| Non-sclerophyll | | Low closed-scrub | | Low Open-scrub | | Low shrubland | Low open-shrubland |
| Mapped community | V6 - SHC ✓ | | | | | | |
| ELC/Threatened Plants | | | | | | | |

General Habitat Description and comments

Fire History:

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: Nil

Ground Condition: V6 - SHC

Mixture of wetland heath w/ patches of open heath



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Swamps

Observer: NS KEN

Date: 13/4/07

Location: _____ **Note:** Easting and Northing is Mandatory for FIS

Waypoint: 015 GPS ID Easting 289636 Northing 6193967

Location description: US-SHC / Trees Thicket

Photo numbers: P100-0015 25

| | |
|-------------------------------|-------------------------------|
| Topographical features | |
| Slope <u>5%</u> | Aspect <u>E</u> |
| Outcropping % <u>Nil</u> | Surface Rock % <u>Nil</u> |
| Soil Type <u>Organic sand</u> | Horizon visibility <u>Nil</u> |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|--------------------|--------------|--------------|-----|------|---|
| Upper | N/A | | | | | |
| Mid | Tall Shrubs | 3 | 5 | 40 | Good | <i>Arac rubida</i> |
| Lower | Terns Sedges Scrub | 1 | 1.5 | 90 | Good | <i>Lepta junip</i> <i>Banksia</i> <i>lobur</i> <i>Sagittaria</i> spp <i>Sida dich</i> |
| Ground | N/A | | | | | |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 – 30m | Closed-forest | Open-forest | Woodland | Open woodland |
| Trees 5 – 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 – 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped Community: US-SHC ✓

RBCs/Threatened Plants: Nil

General Habitat Description and comments

Fire History: 2001 (5-6 yrs)

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Ajacent land: Cleared, Residential, Scattered Trees, Incleared, Riparian vegetation

RESILIENCE (Natural Soil Profile): Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile): Permanently altered, Rcvg area, Open space/exotic pasture

Weeds and Weed Density: Nil

Very dense Lower strata

scattered adult Banksias

WP 019
GPS 14
US-SHC/
FEW
- 290250
N-6193698



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Swamps

Observer: NS KEN

Date: 16/4/07

40 m UP SLOPE OF CREEK

#100-0020 C5

100m x 50m
parallel to creek

| | |
|---|--|
| Location: | Note: Easting and Northing is Mandatory for FIS |
| Waypoint: 018 GPS14 | Easting <u>290243</u> Northing <u>6193865</u> |
| Location description: US-SHC (Acacia rubida thickets adj to flowing sandstone bed creek) | |
| Photo numbers: 100-0019 C5 | |

| | |
|--------------------------------|--------------------------|
| Topographical features: | |
| Slope <u>5-10°</u> | Aspect <u>N</u> |
| Outcropping % | Surface Rock % <u>10</u> |
| Soil Type | Horizon visibility |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|------------|--------------|--------------|-----|------|--|
| Upper | Tall Shrub | 3 | 5 | 60 | Good | Acacia rubida |
| Mid | Med Shrub | 1 | 2 | 60 | Good | Bankia eric Lept. tenigerum Scaevola gaudin Synnase Glycyca. spec. |
| Lower | | | | | | |
| Ground | | | | | | |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Fall shrubland | Fall open-scrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-scrubland |

Mapped Community: US-SHC (Acacia rubida thicket) ✓

RFCs/Threatened Plants:

| |
|--|
| General Habitat Description and comments: |
| Fire History: |
| Disturbance: Grazing, Roads, Powerlines, Erosion, Fire |
| Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation |
| RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture |
| Weeds and Weed Density: |
| 2 bank (W facing slope) adj to creek in ESS W |
| W side of creek (E facing slope) SGPA |
| along part of major creekline |
| Downstream is Gully Forest |



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Swamps

Observer: NS KEN

Date: 16/4/07

| | | |
|---|---|---|
| Location: | Note: Fasting and Northing is Mandatory for FIS | |
| Waypoint: 020 GPS14 | Easting <input type="text" value="270142"/> | Northing <input type="text" value="6193523"/> |
| Location description: US-SAC (Assoc. rubida-thicket) | | |
| Photo numbers: 100-0021 CS | | |

| | |
|--|-------------------------|
| Topographical features | |
| Slope 10° | Aspect N |
| Outcropping % Sandstone bedding in creek | Surface Rock % 0% |
| Soil Type Sand | Horizon visibility 100m |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|----------------|--------------|--------------|-----|------|---|
| Upper | Tall Shrub | 2 | 6 | 50 | Good | <i>Acacia rubida</i> <i>Leucaena</i> spp. <i>Freycinetia</i> spp. |
| Mid | Scrub Sedge | 0 | 2 | 60 | | <i>Gutierrezia</i> <i>Lygodium</i> spp. <i>Cyperus</i> spp. |
| Lower | | | | | | |
| Ground | | | | | | |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

| | |
|------------------------|--------|
| Mapped community | NS-SAC |
| EECs/Threatened Plants | |

General Habitat Description and Comments

Fire History:

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density:

E facing slope (W bank) SLP7

W facing slope (E bank) ESS(w)



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Swamps

Observer: *W.S. KEN*

Date: *16/4/07*

| | | | |
|---|--|-------------------------|--|
| Location | Note: Easting and Northing is Mandatory for FIS | | |
| Waypoint: <i>023</i> <i>GPS 14</i> | Easting <i>289797</i> | Northing <i>6192771</i> | |
| Location description: <i>US-SHC (Acacia rubi thicket)</i> | | | |
| Photo numbers: <i>100-0024</i> | | <i>C5</i> | |

| | |
|--------------------------------|-------------------------------|
| Topographical features: | |
| Slope <i>3°</i> | Aspect <i>-</i> |
| Outcropping % <i>0%</i> | Surface Rock % <i>0%</i> |
| Soil Type <i>Organic Sand</i> | Horizon visibility <i>50m</i> |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|---------------|-------------------------|--------------|--------------|-----------|-------------|--|
| Upper | <i>Tall Shrubs</i> | <i>3</i> | <i>5</i> | <i>50</i> | <i>Good</i> | <i>Acacia rubi Banksia robusta Gynerium senegalense Leptocarpus juncea</i> |
| Mid | <i>Sedge & Fern</i> | <i>0</i> | <i>1</i> | <i>40</i> | <i>Good</i> | <i>Schoenus melanocarpus Gynerium senegalense Leptocarpus juncea</i> |
| Lower | | | | | | |
| Ground | | | | | | |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 – 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 – 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 – 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

| | |
|-------------------------------|-------------------------------------|
| Mapped community | <i>US-SHC (Acacia rubi thicket)</i> |
| EECs/Threatened Plants | <i>Nil</i> |

| |
|--|
| General Habitat Description and comments |
| Fire History: <i>5-6 years</i> |
| Disturbance: <i>Grazing, Roads, Powerlines, Erosion, Fire</i> |
| Adjacent land: <i>Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation</i> |
| RHSI LENCE (Natural Soil Profile): <i>Good</i> , Moderate, Poor, Very Poor/native pasture |
| RHSI LENCE (Disturbed Soil Profile): <i>Permanently altered, Reveg area, Open space/exotic pasture</i> |
| Weeds and Weed Density: <i>Nil</i> |
| <i>Good condition</i> |
| <i>Unlikely habitat Pult acrotata</i> |



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Swamps

Observer: *NS / REN*

Date: *16/01/07*

| | | |
|---|--|-------------------------|
| Location | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: <i>0244 COPS14</i> | Easting <i>289537</i> | Northing <i>6192826</i> |
| Location description: <i>US-S4C (combination of wetland & spheroid heath)</i> | | |
| Photo numbers: <i>100-0025 CS</i> | | |

| | |
|-------------------------------|-------------------------------|
| Topographical features | |
| Slope <i>0%</i> | Aspect <i>NE</i> |
| Outcropping % <i>NS</i> | Surface Rock % <i>NS</i> |
| Soil Type <i>Sand</i> | Horizon visibility <i>90m</i> |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|---------------|--------------|--------------|--------------|-----------|-------------|---|
| Upper | <i>Shrub</i> | | <i>1.5</i> | <i>30</i> | <i>Good</i> | <i>Samolus, Eric, Boerhaavia, in Bank + other</i> |
| Mid | <i>Shrub</i> | <i>0</i> | <i>30</i> | <i>70</i> | <i>Good</i> | <i>Lepid, in, spheroid heath</i> |
| Lower | | | | | | |
| Ground | | | | | | |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 – 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 – 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 – 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | <u>Open heathland</u> | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: *US-S4C (comb' d wetland & spheroid heath) ✓*

EECs/Threatened Plants: *Retention habitat for Bull-crust, though not present. maybe more Bank thicket (pore tree shaded)*

General Habitat Description and comments

Fire History: *200 (86 years)*

Disturbance: *Grazing, Roads, Powerlines, Erosion, Fire*

Adjacent land: *Cleared, Residential, Scattered Trees, Oncleared, Riparian vegetation*

RESILIENCE (Natural Soil Profile) – *Good, Moderate, Poor, Very Poor/native pasture*

RESILIENCE (Disturbed Soil Profile) – *Permanently altered, Reveg area, Open space/exotic pasture*

Weeds and Weed Density:

Regenerating: *US-S4C*

Banksia wood on ground surface

Acacia being tall
 2H 2H
 2H 2H
 1H 1H

Approx pop
 size 40 plants
 (@ least 30)



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Swamps

Observer: NS / KEN

Date: 16/4/07

Location: Note: Easting and Northing is Mandatory for FIS

Waypoint: 025 2814 Easting 289612 Northing 6192213

Location description:
 US - SHC w/ regen Bank thickets

Photo numbers: 100 - 0026 CS } + masses of Acacia being 100-5007
 24
 30

Topographical features:

Slope _____ Aspect _____

Outcropping % _____ Surface Rock % _____

Soil Type _____ Horizon visibility _____

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|-------------|--------------|--------------|-----|------|----------------------------------|
| Upper | Tall Shrubs | 1 | 3 | | Good | Acacia robusta Acacia robusta |
| Mid | Sedges | 0 | 0.8 | | Good | Bank sedge Lepidosperma |
| Lower | | | | | | |
| Ground | | | | | | |

| Species | PFC: 100-70% | 70-30% | 30-10% | <10% |
|------------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |
| Mapped community | US - S - C | | | |
| RECs/Threatened Plants | Acacia being | | | |

General Habitat Description and comments

Fire History: 900 (5-6 yrs)

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: Nil

Acacia robusta/banana seedling thickets (restricted to water areas)

On dig edges regen Banksia thickets



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Swamps

Observer: NS KEN

Date: 19/4/07

Location: 100-0042 Note: Easting and Northing is Mandatory for FIS

Waypoint: 042 GPS 14 Easting 297218 Northing 6193225

Location description: NS - SIC Bankna thicket

Photo numbers: 100-0042 CS

| Topographical features | |
|-------------------------|--------------------------------|
| Slope <u>10</u> | Aspect <u>NE</u> |
| Outcropping % <u>No</u> | Surface Rock % <u>No</u> |
| Soil Type <u>Sand</u> | Horizon visibility <u>200m</u> |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|------|--------------|--------------|-----|------|---|
| Upper | | | | | | |
| Mid | | | | | | Typical structure & floristic composition |
| Lower | | | | | | |
| Ground | | | | | | |

| Species | PFC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: NS - SIC ✓

EECS/Threatened Plants: NCL

General Habitat Description and comments

Fire History: 2001

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: N; J

S side ESSW & N&W sides SGP



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Swamps

Observer: NS KEN

Date: 18/4/07

| | | |
|--|--|-------------------------|
| Location | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 038 GPS 14 | Easting <u>292446</u> | Northing <u>6193542</u> |
| Location description: <u>US-SHC (Acce rubra thicket) surrounding BT</u> | | |
| Photo numbers: <u>100-0038</u> | | |

| | |
|---------------------------------|--------------------------------|
| Topographical features | |
| Slope <u>5%</u> | Aspect <u>NE</u> |
| Outcropping % <u>-</u> | Surface Rock % <u>-</u> |
| Soil Type <u>Sand / organic</u> | Horizon visibility <u>100m</u> |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|------|--------------|--------------|-----|------|------------------|
| Upper | | | | | | |
| Mid | | | | | | |
| Lower | | | | | | |
| Ground | | | | | | |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

| | |
|-------------------------|-------------------|
| Mapped community | <u>US-SHC</u> ✓ |
| RBC's/Threatened Plants | <u>Not likely</u> |

| |
|---|
| General Habitat Description and comments |
| Fire History: |
| Disturbance: <u>Grazing, Roads, Powerlines, Erosion, Fire</u> |
| Adjacent land: <u>Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation</u> |
| RESILIENCE (Natural Soil Profile) – <u>Good, Moderate, Poor, Very Poor/native pasture</u> |
| RESILIENCE (Disturbed Soil Profile) – <u>Permanently altered, Reveg area, Open space/exotic pasture</u> |
| Weeds and Weed Density: |
| <u>Surface flows over sandstone bed creek.</u> |
| <u>Outcropping</u> |
| |
| |



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Swamps

Observer: NS KEN

Date: 18/4/07

| | | |
|---------------------------------------|--|-------------------------|
| Location | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 039 CPS 14 | Easting <u>292313</u> | Northing <u>5194157</u> |
| Location description: US - SHC FEW | | |
| Photo numbers: 100 - 0039 | | |

| | |
|---------------------------------|--------------------------------|
| Topographical features | Aspect <u>NW</u> |
| Slope <u>3-10%</u> | Surface Rock % <u>0</u> |
| Outcropping % <u>0</u> | Horizon visibility <u>100m</u> |
| Soil Type <u>Sand / organic</u> | |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|------|--------------|--------------|-----|------|------------------|
| Upper | | | | | | |
| Mid | | | | | | |
| Lower | | | | | | |
| Ground | | | | | | |

| | | | | |
|-------------------------------|----------------------|--------------------|-----------------|----------------------|
| Specht | FPC: 100-70% | 70-30% | 30-10% | <10% |
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |
| Mapped community | <u>US - SHC FEW</u> | | | |
| EECs/Threatened Plants | <u>Nil</u> | | | |

| |
|---|
| General Habitat Description and comments |
| Fire History: <u>2001</u> |
| Disturbance: <u>Grazing, Roads, Powerlines, Erosion, Fire</u> |
| Adjacent land: <u>Cleared, Residential, Scattered Trees, (Uncleared), Riparian vegetation</u> |
| RESILIENCE (Natural Soil Profile) - <u>Good</u> , Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile) - <u>Permanently altered, Reveg area, Open space/exotic pasture</u> |
| Weeds and Weed Density: <u>N/A</u> |
| <u>Good quality</u> |



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Swamps

Observer: NS KEN

Date: 18/4/07

| | | |
|--|--|---|
| Location | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 035 GPS14 | Easting <input type="text" value="293285"/> | Northing <input type="text" value="6192878"/> |
| Location description: US - SAC Cypressoid Heath | | |
| Photo numbers: 100-0035 CS | | |

| | |
|-------------------------------|------------------------|
| Topographical features | |
| Slope 5° | Aspect E |
| Outcropping % No | Surface Rock % No |
| Soil Type Organic sand | Horizon visibility 209 |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|------|--------------|--------------|-----|------|------------------|
| Upper | | | | | | |
| Mid | | | | | | |
| Lower | | | | | | |
| Ground | | | | | | |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed forest | Open forest | Woodland | Open woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

| | |
|-------------------------------|-----------------------------|
| Mapped community | US - SAC ✓ Cypressoid Heath |
| RFCs/Threatened Plants | NO |

| |
|--|
| General Habitat Description and comments: |
| Fire History: 2001 |
| Disturbance: Grazing, Roads, Powerlines, Erosion, <u>Fire</u> |
| Adjacent land: Cleared, Residential, Scattered Trees, <u>Uncleared</u> , Riparian vegetation |
| RESILIENCE (Natural Soil Profile) – <u>Good</u> , Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile) – Permanently altered, Reveg area, Open space/exotic pasture |
| Weeds and Weed Density: <u>Nil</u> |
| |
| |
| |
| |
| |



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Swamps

Observer: NS KEN

Date: _____

| | | | |
|---|---------|--|---|
| Location _____ | | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 036 ^{GFS} 14 | Easting | <input type="text" value="292794"/> | Northing <input type="text" value="6198376"/> |
| Location description: <u>US-site BT & Tea Tree Thicket</u> | | | |
| Photo numbers: <u>100-0037</u> | | | |

| | |
|-------------------------------|------------------------------|
| Topographical features | |
| Slope <u>< 5%</u> | Aspect <u>E</u> |
| Outcropping % <u>No</u> | Surface Rock % <u>No</u> |
| Soil Type <u>organic sand</u> | Horizon visibility <u>50</u> |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|------|--------------|--------------|-----|------|------------------|
| Upper | | | | | | |
| Mid | | | | | | |
| Lower | | | | | | |
| Ground | | | | | | |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 – 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 – 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Strubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Strubs 0.25 – 2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Sparsely heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

| | |
|------------------------------|------------------|
| Mapped community | <u>US-site</u> ✓ |
| EBC Threatened Plants | <u>Nil</u> |

| |
|--|
| General Habitat Description and comments |
| Fire History: <u>2001</u> |
| Disturbance: <u>Grazing, Roads, Powerlines, Erosion, Fire</u> |
| Adjacent land: <u>Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation</u> |
| RESILIENCE (Natural Soil Profile) <u>Good</u> , Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile) – Permanently altered, Reveg area, Open space/exotic pasture |
| Weeds and Weed Density: <u>Nil</u> |
| <u>Good</u> |
| |
| |
| |
| |



Vegetation Assessment

500406

Project #: 4447 - Dend A3 SIS Swamps

Observer: NS KEN

Date: 18/4/07

Location Note: Fasting and Northing is Mandatory for FIS

Waypoint: OSU 2014 Easting 2193419 Northing 2172818

Location description:
US-31102187

Photo numbers: 100-0034

Topographical features

Slope 10% Aspect E

Outcropping % Nil Surface Rock % Nil

Soil Type Organic Horizon visibility Infinite (to ridgeline) ∞

| Strata | Form | Lower Height | Upper Height | PfC | Cond | Dominant Species |
|--------|------|--------------|--------------|-----|------|------------------|
| Upper | | | | | | |
| Mid | | | | | | |
| Lower | | | | | | |
| Ground | | | | | | |

| Specht | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed heathland | Heathland | <u>Open heathland</u> | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low open-scrub | Low shrubland | Low open-shrubland |

Mapped community US-311 ✓

EECs/Threatened Plants No

General Habitat Description and comments

Fire History: _____

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) Good Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: _____

Under easement - no disturbance & no trees.

Spider (high)

0095 Acac termi
 0857 Acti minor
 2862 Alma palud
 0231 Anis avena
 2186 Bacc imbr
 0355 Bacc linif
 2255 Bank e.eri
 2269 Bank oblon
 2274 Bank p.pal
 2281 Bank robur
 2295 Bank s.spi
 2308 Baue micro
 0371 Baue rubio
 0379 Baum rubig
 2320 Bauu teret
 4291 Bill s.sca
 2439 Blan nobil
 9125 Blan spp.
 0429 Bero parvi
 2578 Bero serru
 0438 Boss heter
 2624 Boss scolo
 2879 Brun austr
 4680 Cass glabc
 0764 Chor cymba
 0767 Chor sphae
 9217 Chor spp.
 0899 Cyat diand
 0958 Damp stric
 4476 Dill flori
 5934 Dill rudis
 1103 Dros binat
 1109 Dros spatu
 1135 Eupo minus
 3790 Linte stric
 5250 Epac m.mie
 1168 Epac obtus
 9373 Euca spp.
 1440 Glei dicar
 1441 Glei micro
 5460 Gomp grand
 5461 Gomp minus
 1489 Gono tetra
 5482 Good d.dim
 4543 Good h.hed
 1514 Good stell
 5596 Grev s.ser
 9427 Grev spp.
 1555 Gymn sphae
 5632 Haem plani
 9432 Haem spp.
 1562 Hacc dacty
 5664 Hake t.ter
 1654 Hema u.unc
 1675 Hibb ripar
 1921 Lepi fersy
 1924 Lepi jimic
 1927 Lepi neesi
 1938 Lept tenax
 1956 Lept cont.
 6088 Lept junip

1958 Lept lanig
 6105 Lept p.pol
 6114 Lept squar
 1966 Lepy anart
 1968 Lepy muell
 6121 Lepy scari
 2014 Lind linea
 4163 Loma cylin
 4711 Loma m.tub
 6345 Mela thymi
 4735 Mitr p.pil
 6431 Mono linif
 6577 Oper diphy
 2438 Patc serie
 6809 Petr pulch
 6960 Plat linea
 7203 Ptil deust
 9769 Rhyt spp.
 3030 Schi bifid
 3041 Scho brevi
 7458 Scho palud
 3098 Sela uligi
 3207 Sowe junce
 4725 Spha minus
 3221 Spha vimin
 3231 Spre incar
 7722 Styl linea
 9876 Thel spp.
 8007 Viol siebe
 8079 Xant m.miu
 8080 Xant resin
 3591 Xant disse
 3594 Xant tridc
 8094 Xyri compl
 3595 Xyri graci
 3597 Xyri opere

| | | | |
|------|------------|------|------------|
| 0095 | Acac termi | 1958 | Lept lamig |
| 0857 | Acti minor | 6105 | Lept p.pol |
| 2862 | Alma palud | 6114 | Lept squar |
| 0231 | Anis avena | 1966 | Lepy anari |
| 2186 | Baac imbri | 1968 | Lepy muell |
| 0355 | Baac lirif | 621 | Lepy scari |
| 2255 | Bank e.eri | 2014 | Lind linea |
| 2269 | Bank oblon | 4163 | Loma cylin |
| 2274 | Bank p.pal | 4711 | Loma m.tub |
| 2281 | Bank robur | 6345 | Mela thymi |
| 2295 | Bank s.spi | 4735 | Mitr p.pil |
| 2308 | Baue micro | 6431 | Mono lirif |
| 0371 | Baue rubio | 6577 | Oper diphy |
| 0379 | Baum rubig | 2438 | Pate serie |
| 2320 | Baum teret | 6809 | Petr pulch |
| 4291 | Bill s.sca | 6960 | Plat linea |
| 2439 | Blan nobil | 7203 | Ptil deust |
| 9125 | Blan spp. | 9769 | Rhyt spp. |
| 0429 | Boro parvi | 3030 | Schi bifid |
| 2578 | Boro serru | 3041 | Scho brevi |
| 0438 | Boss heter | 7458 | Scho palud |
| 2624 | Boss scolo | 3098 | Sela uligi |
| 2879 | Brun austr | 3207 | Sowe junce |
| 4680 | Cass glabe | 4725 | Spha minus |
| 0764 | Chor cymba | 3221 | Spha vimin |
| 0767 | Chor sphae | 3231 | Spre incar |
| 9217 | Chor spp. | 7722 | Styl linea |
| 0899 | Cyat diand | 9876 | Thel spp. |
| 0958 | Damp stric | 8007 | Viol siebe |
| 4476 | Dill flori | 8079 | Xant m.min |
| 5934 | Dill rudis | 8080 | Xant resin |
| 1103 | Dros binat | 3591 | Xant disse |
| 1109 | Dros spatu | 3594 | Xant tride |
| 1155 | Empo minus | 8094 | Xyri compl |
| 3790 | Ento suric | 3595 | Xyri graci |
| 5250 | Epac m.mic | 3597 | Xyri operc |
| 1168 | Epac obtus | | |
| 9373 | Euca spp. | | |
| 1440 | Glei dicar | | |
| 1441 | Glei micro | | |
| 5460 | Gomp grand | | |
| 5461 | Gomp minus | | |
| 1489 | Gono tetra | | |
| 5482 | Good d.dim | | |
| 4543 | Good h.hed | | |
| 1514 | Good stell | | |
| 5596 | Grev s.ser | | |
| 9227 | Grev spp. | | |
| 1555 | Gynn sphae | | |
| 5632 | Haem plani | | |
| 9432 | Haem spp. | | |
| 1562 | Hake dacty | | |
| 5664 | Hake l.ter | | |
| 1654 | Hema u.unc | | |
| 1675 | Hibb ripar | | |
| 1921 | Lepi forsy | | |
| 1924 | Lepi limic | | |
| 1927 | Lepi neesi | | |
| 1938 | Lepi tenax | | |
| 1956 | Lepi conti | | |
| 6088 | Lepi junip | | |

Euca race

Thalysnutra spp

P. ellipt

Banksia marginata



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Swamps

Observer: NS KEN

Date: 18/4/07

Location: Note: Easting and Northing is Mandatory for FIS

Waypoint: 032 AFS14 Easting Northing

Location description:
US - SHC regenerating BT to 3m w/ fringing SHC - Heath & FEW water

Photo numbers: 100-0032 C5

Topographical features:

Slope $< 5^\circ$ Aspect N

Outcropping % 0 Surface Rock % 0

Soil Type Organic sand Horizon visibility 100m

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|------|--------------|--------------|-----|------|------------------|
| Upper | | | 3m | | | |
| Mid | | | | | | |
| Lower | | | | | | |
| Ground | | | | | | |

| Specht | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 – 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 – 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 – 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: US-SHC ✓ BT

EECs/Threatened Plants:

General Habitat Description and comments

Fire History: Fire 2001

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) – Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) – Permanently altered, Reveg area, Open space/exotic pasture

Woods and Wood Density: Nil

Condition of resilience: none

US-SHC w/ regen BT to 3m w/ fringing SHC - Restoid heath & FEW water
Divided from adjacent riparian swamp to NS by thin strip woodland.



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Swamps

Observer: NS KEN

Date: 17/4/07

| | | |
|--|---|---|
| Location: | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 030 CFS 14 | Easting <input type="text" value="7"/> <input type="text" value="8"/> <input type="text" value="9"/> <input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="2"/> | Northing <input type="text" value="6"/> <input type="text" value="1"/> <input type="text" value="9"/> <input type="text" value="4"/> <input type="text" value="9"/> <input type="text" value="6"/> <input type="text" value="2"/> |
| Location description: US - SIAC & KEN (Kerriand) | | |
| Photo numbers: NO photo PHOTO ON CD (19-1920 to 19-1920) | | |

| | |
|--------------------------------|--------------------|
| Topographical Features: | |
| Slope | Aspect |
| Outcropping % | Surface Rock % |
| Soil Type | Horizon visibility |

| Strata | Form | Lower Height | Upper Height | FPC | Cond | Dominant Species |
|--------|------|--------------|--------------|-----|------|------------------|
| Upper | | | | | | |
| Mid | | | | | | |
| Lower | | | | | | |
| Ground | | | | | | |

| Specht | FPC: 100-70% | 70-30% | 30-10% | <10% |
|-----------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10-30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5-10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25-2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

| | |
|-------------------------------|--|
| Mapped community | |
| RCCs/Threatened Plants | |

| |
|--|
| General Habitat Description and comments: |
| Fire History: |
| Disturbance: Grazing, Roads, Powerlines, Erosion, Fire |
| Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation |
| RESILIENCE (Natural Soil Profile) – Good, Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile) – Permanently altered, Reveg area, Open space/exotic pasture |
| Weeds and Weed Density: |
| Wood condition |
| Potential habitat for <i>Puff aristaig</i> . |
| |
| |
| |



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Ridges

Observer: *SEW BJS*

Date: *16/04*

Location: _____ **Note:** Easting and Northing is Mandatory for FIS

Waypoint: *27 (419)* Easting *281725* Northing *619165*

Location description: *Upland swamp on Avon side*

Photo numbers: *119-1919*

Topographical features

Slope *5* Aspect *W*

Outcropping % *5* Surface Rock % *-*

Soil Type *SS* Horizon visibility *-*

| Strata | Form | Lower Height | Upper Height | PTC | Cond | Dominant Species |
|--------|--------------|--------------|--------------|-----------|----------|---|
| Upper | | | | | | |
| Mid | <i>ST</i> | <i>2</i> | <i>6</i> | <i>75</i> | <i>G</i> | <i>Acacia robusta, Banksia eric;</i> <i>Avicennia, Leptos juniper, Banksia robusta</i> |
| Lower | <i>Sh.</i> | <i>1</i> | <i>2</i> | <i>80</i> | <i>G</i> | <i>B. eric., Halesia teretis, Pitt. pubh.</i> <i>Leptos squar.</i> |
| Ground | <i>Herbs</i> | <i>0</i> | <i>1</i> | <i>50</i> | | <i>Leptos. hemic., Pitt. Flori., Leptos. squ.</i> <i>Carex spectrans. ten.</i> |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed forest | V. low open forest | V. low woodland | V. low open woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: *Upland Swamp - Banksia thicket - Tea tree forest*

EECs/Threatened Plants: *- Marginal potential habitat for Pardalipicus*

General Habitat Description and comments

Fire History: *2001*

Disturbance: *Grazing, Roads, Powerlines, Erosion, Fire*

Adjacent land: *Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation*

RESILIENCE (Natural Soil Profile) *Good, Moderate, Poor, Very Poor/native pasture*

RESILIENCE (Disturbed Soil Profile) *- Permanently altered, Reveg area, Open space/exotic pasture*

Weeds and Weed Density: *N/A*



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Swamps

Observer: NS KEN

Date: 26/4/07

Location: Waypoint: OS3 CR514 Easting 293779 Northing 6194234 **Note:** Easting and Northing is Mandatory for FIS

Location description:
US - BT

Photo numbers: 100-0048 c.5

Topographical features:

| | |
|-------------------|-------------------------|
| Slope 5% | Aspect NE |
| Outcropping % Nil | Surface Rock % Nil |
| Soil Type Sand | Horizon visibility 200m |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|-------------------------------|-----------|----------------------|--------------|--------------------|-----------------|----------------------|
| Upper | | | | | | |
| Mit | | <i>T. sp.</i> | | | | |
| Lower | | | | | | |
| Ground | | | | | | |
| Species | | PFC: 100-70% | | 70-30% | 30-10% | <10% |
| Trees > 30m | | Tall closed-forest | | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | | Closed-forest | | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | | Low closed-forest | | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | | V. low closed-forest | | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | | Closed-scrub | | Open-scrub | Tall shrubland | Tall open-scrubland |
| Shrubs 0.25 - 2m | | | | | | |
| Sclerophyll | | Closed Heathland | | Heathland | Open heathland | Sparsely heathland |
| Non-sclerophyll | | Low closed-scrub | | Low Open-scrub | Low shrubland | Low open-scrubland |
| Mapped community | US - BT ✓ | | | | | |
| ELCs/Threatened Plants | Nil | | | | | |

General Habitat Description and comments:

Fire History: 2001

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: Nil

Rapa Banksia thicket to approx 2m high



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Ridges

Observer: NS KEN

Date: 9/4/07

| | | |
|---|--|--------------------------------------|
| Location | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 046 67514 | Easting 2 9 3 0 6 8 | Northing 6 1 9 3 3 1 2 |
| Location description: US - BT w/ surrounding FEW | | |
| Photo numbers: 100-0046 | | |

| | |
|--------------------------------|-------------------------|
| Topographical features: | |
| Slope < 5° | Aspect N |
| Outcropping % No | Surface Rock % No |
| Soil Type Organic, gravel | Horizon visibility 100m |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|------|--------------|--------------|-----|------|------------------|
| Upper | | | | | | |
| Mid | | | | | | |
| Lower | | | | | | |
| Ground | | | | | | |

Floristic composition structure typical of Bantana thicket

| | | | | |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Specht | FPC: 100-70% | 70-30% | 30-10% | <10% |
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

| | |
|--------------------------------|----------------------------|
| Mapped community: | US - BI w/ FEW surrounding |
| EECs/Threatened Plants: | Nil |

| |
|--|
| General Habitat Description and comments: |
| Fire History: 2007 |
| Disturbance: Grazing, Roads, Powerlines, Erosion, Fire |
| Adjacent land: Cleared, Residential, Scattered Trees, Uncleared , Riparian vegetation |
| RESILIENCE (Natural Soil Profile) Good, Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile) Permanently altered, Reveg area, Open space/exotic pasture |
| Weeds and Weed Density: Nil |
| Entire N slope woodland / FEW (swampy understorey) |
| |
| |
| |



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Swamps

Observer: NS KEN

Date: 18/4/07

| | | |
|---|--|---|
| Location | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 033 60514 | Easting <input type="text" value="289229"/> | Northing <input type="text" value="6192390"/> |
| Location description: US - BT w/ surrounding SMC | | |
| Photo numbers: 100-0033 CS | | |

| | |
|-------------------------------|-------------------------|
| Topographical features | |
| Slope 5° | Aspect SW |
| Outcropping % | Surface Rock % Nil. |
| Soil Type Organic / sand | Horizon visibility 100m |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|------|--------------|--------------|-----|------|------------------|
| Upper | | | | | | |
| Mid | | | | | | |
| Lower | | | | | | |
| Ground | | | | | | |

| Specit | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 – 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 – 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 – 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparsa heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

| | |
|-------------------------------|-----------|
| Mappen community | US - BT ✓ |
| ERCs/Threatened Plants | |

General Habitat Description and comments

Fire History:

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Ajacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) – Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) – Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: Nil

Good connection



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Swamps

Observer: WS KEN

Date: 20/4/07

Location: _____ **Note:** Easting and Northing is Mandatory for FIS

Waypoint: 057 GPS 14 Easting 292731 Northing 2193635

Location description: US - BT (Regenerating)

Photo numbers: 100-0052 CS

Topographical features

Slope _____ Aspect _____

Outcropping % _____ Surface Rock % _____

Soil Type _____ Horizon visibility _____

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|----------------|--------------|--------------|-----|------|--|
| Upper | Tree | 8 | 10 | 20 | Good | Euc. 50/10 Eucalyptus gummi |
| Mid | Small Tree | 3 | 7 | 10 | Good | Lepto trin Juvenile Euc Bankia eric. |
| Lower | Shrubs | 1 | 1.5 | 60 | Good | Bankia eric Acac. 5/10 Petrophyll. |
| Ground | Sedges & herbs | 0 | 1 | 40 | Good | Ranunculid spp. Leptocarpus sp. |

| Specht | PFC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: US - BT

EECs/Threatened Plants: _____

General Habitat Description and comments

Fire History: 2001

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: N/A

Ranunculid spp



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Swamps

Observer: NS KEN

Date: 19/11/07

| | | |
|--|--|-----------------|
| Location | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 043 2314 | Easting 293678 | Northing 619332 |
| Location description: US - BT & FEW | | |
| Photo numbers: 100-0043 CS | | |

| | |
|-------------------------------|-------------------------|
| Topographical features | |
| Slope 15% | Aspect N |
| Outcropping % 10 | Surface Rock % 10 |
| Soil Type organic sand | Horizon visibility 200m |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species | |
|-------------------------------|----------------------|--------------|--------------------|-----|-----------------|--|----------------------|
| Upper | Large Trees | 12 | 15 | 20 | Good | Euc racemosa | |
| Mid | Small Trees | 5 | 8 | 20 | Good | Lepto tree Hakea daeb Mela lin Corymbo. gum (juv) Bankia erica | |
| Lower | Shrubs | 1 | 3 | 40 | Good | Hakea daeb Bankia erica Hakea forest Petroph. sp Anacard. spp. | |
| Ground | Herbs to 20cm | 0 | .5 | 70 | Good | Lepto grass Lepto tree Scaevola Sida Sida | |
| Specht | PFC: 100-70% | | 70-30% | | 30-10% | | <10% |
| Trees > 30m | Tall closed-forest | | Tall open-forest | | Tall woodland | | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | | Open-forest | | Woodland | | Open-woodland |
| Trees 5 - 10m | Low closed-forest | | Low open-forest | | Low woodland | | Low open-woodland |
| Trees < 5m | V. low closed-forest | | V. low open-forest | | V. low woodland | | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | | Tall open-shrubland |
| Shrubs 0.25 - 2m | Closed Heathland | | Heathland | | Open heathland | | Sparse heathland |
| Sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | | Low open-shrubland |
| Non-sclerophyll | | | | | | | |
| Mapped community | US - BT & FEW ✓ | | | | | | |
| EECs/Threatened Plants | Nil | | | | | | |

| |
|--|
| General Habitat Description and comments: |
| Fire History: 2001 |
| Disturbance: Grazing, Roads, Powerlines, Erosion, Fire |
| Adjacent land: Cleared, Residential, Scattered Trees, Uncleared Riparian vegetation |
| RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture |
| Weeds and Weed Density: Nil |
| Impeded drainage, extends along center of ridges - evidence of long swampy veg in places. |



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Swamps

Observer: NS KEN

Date: 12/4/07

Location: _____ **Note:** Easting and Northing is Mandatory for FIS

Waypoint: 013 **Easting:** 249316 **Northing:** 6194337

Location description: US - BT

Photo numbers: 100 - 0013

Topographical features:

Slope: 5% **Aspect:** N

Outcropping %: 0 **Surface Rock %:** 0

Soil Type: SAND/PEAT **Horizon visibility:** X

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|-----------------|--------------|--------------|--------|------|---|
| Upper | SMT | 5 | 6 | Neglig | G | Surviving B. eric; all others dead from last fire |
| Mid | | | | | | |
| Lower | Sh | 0.5 | 1.0 | 10 | G | Regenerating B. eric |
| Ground | Sedges Herbs | 0 | 0.5 | 90 | G | Lepto tenax, Schoenus brev |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: US - BT

EFCs/Threatened Plants: -

General Habitat Description and comments:

Fire History: 4-5 years

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile): Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile): Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: No weeds

- US-BT burnt w/ sessile/decid adult B. eric + strong B. eric recruitment in shrub layer
- Bare ground patches
- Sedges + Herbs dominant



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Ridges

Observer: SF-W | BJS

Date: 20/4/07

| | | |
|--|---|-------------------|
| Location | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 057 (GPS 9) | Easting: 291862 | Northing: 6196290 |
| Location description: upland swamp, b/w G022 + G021, upslope of creek. | | |
| Photo numbers: 119-1957 | | |

| | |
|-------------------------------|--------------------------|
| Topographical features | |
| Slope: 8 | Aspect: west |
| Outcropping %: 0 | Surface Rock %: 0 |
| Soil Type: sand | Horizon visibility: four |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|-------------------------------|--|--------------|--------------------|-----|-----------------|--|
| Upper | | | | | | |
| Mid | large shrubs | 2 | 5 | 20 | G | Acac term, Bank eric, V. m. junc, Haik doct |
| Lower | shrub | 1 | 2 | 75 | G | Billy florib, Bank eric, lepto pulv, Haik doct |
| Ground | Sedars, reds, shrubs | 0 | 1 | 15 | G | Baur rug, Platys line, Campo leuc. |
| Specht | PFC: 100-70% | | 70-30% | | 30-10% | <10% |
| Trees > 30m | Tall closed-forest | | Tall open-forest | | Tall woodland | Tall open-woodland |
| Trees 10-30m | Closed-forest | | Open-forest | | Woodland | Open-woodland |
| Trees 5-10m | Low closed-forest | | Low open-forest | | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | | V. low open-forest | | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25-2m, Sclerophyll | Closed Heathland | | Heathland | | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | Low open-shrubland |
| Mapped community | Banksia thicket - correct. | | | | | |
| EECs/Threatened Plants | Marginal potential habitat for Pulten aristata | | | | | |

| | |
|---|---|
| General Habitat Description and comments | |
| Fire History: | 2001 fire |
| Disturbance: | Grazing, Roads, Powerlines, Erosion, (Fire) |
| Adjacent land: | Cleared, Residential, Scattered Trees, (Uncleared), Riparian vegetation |
| RESILIENCE (Natural Soil Profile): | (Good), Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile): | Permanently altered, Reveg area, Open space/exotic pasture |
| Weeds and Weed Density: | No weeds |
| | |
| | |
| | |
| | |



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Swamps

Observer: BJS BSEW

Date: 20/01

Location _____ **Note:** Easting and Northing is Mandatory for FIS

Waypoint: 059 (CPS 9) Easting 211904 Northing 6195831

Location description: Upland Swamp.

Photo numbers: 119 - 1959

| | |
|-------------------------------|--------------------------------|
| Topographical features | |
| Slope <u>5</u> | Aspect <u>west</u> |
| Outcropping % <u>10</u> | Surface Rock % <u>0</u> |
| Soil Type <u>sand</u> | Horizon visibility <u>poor</u> |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|-------------------------------|-----------------------------------|--------------|--------------------|-----------|-----------------|--|
| Upper | | | | | | |
| Mid | <u>ST</u> | <u>2</u> | <u>6</u> | <u>20</u> | <u>G</u> | <u>Lept trin</u> |
| Lower | <u>scrub</u> | <u>1</u> | <u>2</u> | <u>60</u> | <u>G</u> | <u>Lepto poly, Leac swaly, A. limif, bank eric, Hake dar</u> |
| Ground | <u>sodds</u> | <u>0</u> | <u>0.5</u> | <u>40</u> | <u>C</u> | <u>lepy sral, Actino minor, Gonox teuc, Epec micro</u> |
| Specht | FPC: 100-70% | | 70-30% | | 30-10% | <10% |
| Trees > 30m | Tall closed-forest | | Tall open-forest | | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | | Open-forest | | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | | Low open-forest | | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | | V. low open-forest | | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | Closed Heathland | | <u>Heathland</u> | | Open heathland | Sparse heathland |
| Sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | Low open-shrubland |
| Non-sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | Low open-shrubland |
| Mapped community | <u>Banksia thicket - correct.</u> | | | | | |
| EECs/Threatened Plants | | | | | | |

General Habitat Description and comments

Fire History: 2001 fire

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, (Uncleared), Riparian vegetation

RESILIENCE (Natural Soil Profile) – Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: No weeds



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Gullies

Observer: *BJS SEW*

Date: *20/02*

Location _____ **Note:** Easting and Northing is Mandatory for FIS

Waypoint: *55 (29)* Easting *290099* Northing *6295606*

Location description: *Upland swamp on Ridge, near G027*

Photo numbers: *119-1955*

| | |
|--------------------------------|-----------------------------|
| Topographical features: | |
| Slope <i>LS</i> | Aspect <i>SE</i> |
| Outcropping % <i>0</i> | Surface Rock % <i>0</i> |
| Soil Type <i>SST</i> | Horizon visibility <i>✓</i> |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|--------|---------------|--------------|--------------|-----------|----------|--|
| Upper | <i>Trees</i> | <i>6</i> | <i>12</i> | <i>10</i> | <i>G</i> | <i>Euc. rac.</i> |
| Mid | <i>ST</i> | <i>2</i> | <i>4</i> | <i>LS</i> | <i>G</i> | <i>B. eric. Acacia limbalis</i> |
| Lower | <i>Shrubs</i> | <i>1</i> | <i>2</i> | <i>40</i> | <i>G</i> | <i>Acacia long, Pitt. Maric, Pebo sess, Leptopod, Bankerit</i> |
| Ground | <i>Herbs</i> | <i>0</i> | <i>0.5</i> | <i>40</i> | <i>G</i> | <i>Ext. St. St. Lept. tenax, Kyath. chond. Cochus sieb</i> |

| | | | | |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Species: | FPC: 100-70% | 70-30% | 30-10% | <10% |
| Trees > 30m | Tall closed-forest: | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 – 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 – 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-scrubland |
| Shrubs 0.25 – 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-scrubland |

Mapped community: *B. Thick J.*

EECs/Threatened Plants: *—*

General Habitat Description and comments

Fire History: *2001 lots of dead B. eric.*

Disturbance: *Grazing, Roads, Powerlines, Erosion, Fire*

Adjacent land: *Cleared, Residential, Scattered Trees, Uncared, Riparian vegetation*

RESILIENCE (Natural Soil Profile) *Good, Moderate, Poor, Very Poor/native pasture*

RESILIENCE (Disturbed Soil Profile) – *Permanently altered, Reveg area, Open space/exotic pasture*

Weeds and Weed Density:



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Gullies

Observer: SEW/RTS

Date: 19/4/07

| | | |
|--|--|---------------------------|
| Location: | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: <u>OS9 (GPS)</u> | Easting <u>211115717</u> | Northing <u>611937616</u> |
| Location description: <u>Upland Swamp near 9066.</u> | | |
| Photo numbers: <u>119-1943</u> | | |

| | |
|-------------------------------|--------------------------------|
| Topographical features | |
| Slope <u>5</u> | Aspect <u>W</u> |
| Outcropping % <u>0</u> | Surface Rock % <u>0</u> |
| Soil Type <u>Sand</u> | Horizon visibility <u>Poor</u> |

| Strata | Form | Lower Height | Upper Height | FPC | Cond | Dominant Species |
|------------------|---------------------------------|--------------|--------------|-----------|----------|---|
| Upper | | | | | | |
| Mid | | | | | | |
| Lower | <u>Grass</u> | <u>5</u> | <u>4</u> | <u>85</u> | <u>G</u> | <u>Bank eric, lept poly, lake deer</u> <u>vim, yucc, tetrap, pultr</u> |
| Ground | <u>Grass</u> <u>Sm. tree</u> | <u>0</u> | <u>1</u> | <u>40</u> | <u>G</u> | <u>Dillwyn, florib, kpinosp, lank,</u> <u>Baur rob, Empod minv</u> |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|-----------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10-30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5-10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | <u>Closed-scrub</u> | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25-2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

| | |
|-------------------------------|-------------------------------------|
| Mapped community | <u>Banksia thickened - correct</u> |
| EECs/Threatened Plants | <u>No Pulten aristata observed.</u> |

| |
|---|
| General Habitat Description and comments |
| Fire History: <u>2001 fire</u> |
| Disturbance: <u>Grazing, Roads, Powerlines, Erosion, Fire</u> |
| Adjacent land: <u>Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation</u> |
| RESILIENCE (Natural Soil Profile) - <u>Good</u> , Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile) - <u>Permanently altered, Reveg area, Open space/exotic pasture</u> |
| Weeds and Weed Density: <u>No weeds</u> |
| |
| |
| |
| |
| |



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Gullies

Observer: SEN / SJS

Date: 19/4/07

Swamp

| | | |
|--|---|-------------------|
| Location | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 037 (GPS) | Easting 2191509 | Northing 61791297 |
| Location description: Upland Swamp, COA4 | | |
| Photo numbers: 119-1942 | | |

| | |
|------------------------|-------------------------|
| Topographical features | |
| Slope 5 | Aspect W |
| Outcropping % 10 | Surface Rock % 0 |
| Soil Type sand | Horizon visibility Good |

| Strata | Form | Lower Height | Upper Height | PTC | Cond | Dominant Species |
|---------------------|----------------------|--------------|--------------------|-------|---------------------|---|
| Upper | | | | | | |
| Mid | ST | 2 | 6 | 30 | G | Eucalyptus, lept trim |
| Lower | shrub | 0.5 | 1.5 | 15-40 | G | Bankia, tickle dact, h. tree, Palop with, lept spec |
| Ground | scrub | 0 | 0.5 | 50 | G | Scrap fast, Bankia mb, lept scar, |
| Species | FPC: 100-70% | | 70-30% | | 30-10% <10% | |
| Trees > 30m | Tall closed-forest | | Tall open-forest | | Tall woodland | |
| Trees 10 - 30m | Closed-forest | | Open-forest | | Woodland | |
| Trees 5 - 10m | Low closed-forest | | Low open-forest | | Low woodland | |
| Trees < 5m | V. low closed-forest | | V. low open-forest | | V. low woodland | |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | |
| Shrubs 0.25 - 2m | | | | | Tall open-shrub and | |
| Sclerophyll | Closed Heathland | | Heathland | | Open heathland | |
| Non-sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | |
| Mapped community | Banksia thicket | | | | | |
| EEC/Threatened RHNs | | | | | | |

| | |
|--|---|
| General Habitat Description and comments | |
| Fire History: | 2001 fire |
| Disturbance: | Grazing, Roads, Powerlines, Erosion, Fire |
| Adjacent land: | Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation |
| RESILIENCE (Natural Soil Profile): | Good Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile): | Permanently altered, Reveg area, Open space/exotic pasture |
| Weeds and Weed Density: | No weeds |
| scrubland - heath complex in lower half of swamp, with Banksia thicket in upper (southern) areas | |
| Small swamp to the NW similar habitat - Banksia thicket. | |
| WP 038 - 291137 6193052 | |



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Swamps

Observer: BJS, SEW

Date: 16/04/07

| | |
|-----------------------|--|
| Location | Note: Easting and Northing is Mandatory for FIS |
| Waypoint: 26/GPS 9 | Easting <input type="text" value="290020"/> Northing <input type="text" value="612576"/> |
| Location description: | Upland Swamp - South West perimeter of study Area |
| Photo numbers: | 119-1417 |

| | |
|------------------------|---------------------------------|
| Topographical features | Aspect <u>West</u> |
| Slope <u>5°</u> | Surface Rock % <u>-</u> |
| Outcropping % <u>2</u> | Horizon visibility <u>1-5km</u> |
| Soil Type <u>SST</u> | |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|------------------------|---------------------------------------|----------------------|--------------|--------------------|------|--|
| Upper | | | | | | |
| Mid | | | | | | |
| Lower | Shrubs | 0.5 | 2.5 | 50 | 6 | <i>Bank. robust.</i> , <i>Lept. pol.</i> <i>B. arid</i> , <i>Lept. junip.</i> |
| Ground | Shrubs Sedges Shrubs | 0 | 0.5 | 70 | 6 | <i>Gymnoschoenus</i> , <i>Ulex</i> , <i>Lept. junip.</i> , <i>Dill. fluxi</i> <i>Pult. ellipt.</i> , <i>Sperg. ha.</i> , <i>G. tenuicaud.</i> |
| Specht | | PFC: 100-70% | | 70-30% | | 30-10% |
| Trees > 30m | | Tall closed-forest | | Tall open-forest | | Tall woodland |
| Trees 10 - 30m | | Closed-forest | | Open-forest | | Woodland |
| Trees 5 - 10m | | Low closed-forest | | Low open-forest | | Low woodland |
| Trees < 5m | | V. low closed-forest | | V. low open-forest | | V. low woodland |
| Shrubs > 2m | | Closed-scrub | | Open-scrub | | Tall shrubland |
| Shrubs 0.25 - 2m | | Closed-scrub | | Open-scrub | | Tall shrubland |
| Sclerophyll | | Closed Heathland | | Heathland | | Open heathland |
| Non-sclerophyll | | Low closed-scrub | | Low Open-scrub | | Low shrubland |
| Mapped community | | USBT | | | | |
| ERCs/Threatened Plants | | | | | | |

| |
|--|
| General Habitat Description and comments |
| Fire History: 2001 |
| Disturbance: Grazing, Roads, Powerlines, Erosion, <u>Fire</u> |
| Adjacent land: Cleared, Residential, Scattered Trees, <u>Uncleared</u> , Riparian vegetation |
| RESILIENCE (Natural Soil Profile) - <u>Good</u> , Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture |
| Weeds and Weed Density: <u>Nil</u> |
| - Marginal pool habitat by <i>P. aristata</i> |
| - Sedge dominated by <i>B. robust.</i> |
| |
| |



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Gullies

Observer: BJS, SEW

Date: 16/4/07

| | | |
|-----------------------|---|---|
| Location | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 25, 9059 | Easting <input type="text" value="289255"/> | Northing <input type="text" value="6191257"/> |
| Location description: | upland Swamp at mouth of valley above frog dam. West of Rail line off existing seasonal lake (north side) | |
| Photo numbers: | 119-1916, 119-1915, 119-1914 | |

| | |
|-------------------------------|----------------------|
| Topographical features | |
| Slope 5° | Aspect |
| Outcropping % 5% | Surface Rock % 0 |
| Soil Type - | Horizon visibility - |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species | |
|-------------------------------|--|--------------|--------------------|-----|-----------------|---|----------------------|
| Upper | Trees | 10 | 15 | 5 | G | Eucal. | |
| Mid | ST | 3 | 5 | 10 | G | Lept. trinerv. | |
| Lower | Shrubs Sedges | 0.5 | 1.5 | 70 | G | Banksia eric., P. aristata, Sarcophaea hastigata Lept. tenax, Haben. dact., Dill. lbr. | |
| Ground | Herbs Sedges | 0 | 0.5 | 30 | G | Act. minor, Hibbertia riparia, Epacris micro | |
| Specht | FPC: 100-70% | | 70-30% | | 30-10% | | <10% |
| Trees > 30m | Tall closed-forest | | Tall open-forest | | Tall woodland | | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | | Open-forest | | Woodland | | Open-woodland |
| Trees 5 - 10m | Low closed-forest | | Low open-forest | | Low woodland | | Low open-woodland |
| Trees < 5m | V. low closed-forest | | V. low open-forest | | V. low woodland | | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | | Tall open-shrubland |
| Shrubs 0.25 - 2m | Sclerophyll | | Heathland | | Open heathland | | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | | Low open-scrub | | Low shrubland | | Low open-shrubland |
| Mapped community | Upland Swamp Banksia Thicket - Note some area dominated by Sarcophaea. | | | | | | |
| IECs/Threatened Plants | P. aristata | | | | | | |

| |
|--|
| General Habitat Description and comments |
| Fire History: 2001 |
| Disturbance: Grazing, Roads, Powerlines, Erosion, Fire |
| Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation |
| RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture |
| Weeds and Weed Density: Nil |
| - Puffinbug aristata is dominant shrub across most of the swamp especially along edges |
| - Estimated population of P. aristata > 5000 |



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Swamps

Observer: SEW / BJS

Date: 13/4/07

| | | |
|---|--|------------------|
| Location: | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 022 (GPS 9) | Easting 289765 | Northing 6190200 |
| Location description: Banksia Thicket, west of fire Red 64. | | |
| Photo numbers: | | |

| | |
|-------------------------------|-------------------------|
| Topographical features | |
| Slope 0° | Aspect NW |
| Outcropping % 0 | Surface Rock % 0 |
| Soil Type sand | Horizon visibility Poor |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species | |
|-------------------------------|---------------------------------|--------------|--------------------|-----|-----------------|---|----------------------|
| Upper | | | | | | | |
| Mid | | | | | | | |
| Lower | scrub | 0.5 | 2 | 50 | G | Bankia eric, E. rob, Hakea dact, Dillwynia florib. | |
| Ground | sedg er | 0 | 0.1 | 90 | G | Calostic grac, Lepidosperma, Lepidosperma, Lepidosperma | |
| Species | FPC: 100-70% | | 70-30% | | 30-10% | | <10% |
| Trees > 30m | Tall closed-forest | | Tall open-forest | | Tall woodland | | Tall open woodland |
| Trees 10 - 30m | Closed-forest | | Open-forest | | Woodland | | Open-woodland |
| Trees 5 - 10m | Low closed-forest | | Low open-forest | | Low woodland | | Low open-woodland |
| Trees < 5m | V. low closed-forest | | V. low open-forest | | V. low woodland | | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | | | | |
| Sclerophyll | Closed Heathland | | Heathland | | Open heathland | | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | | Low open-shrubland |
| Mapped community | Banksia thicket - upland Swamps | | | | | | |
| R/Cs/Threatened Plants | None observed | | | | | | |

| |
|--|
| General Habitat Description and comments |
| Fire History: 2001 fire |
| Disturbance: Grazing, Roads, Powerlines, Erosion, Fire |
| Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation |
| RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveget area, Open space/exotic pasture |
| Weeds and Weed Density: No weeds |
| Mapping correct |



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Swamps

Observer: SE-W / BJS

Date: 13/4/07

| | | |
|--|--|-------------------|
| Location | Note: Easting and Northing is Mandatory for PIS | |
| Waypoint: 07 (GPS 9) | Easting: 289272 | Northing: 6190191 |
| Location description: Upland Swamp, Banksia Thicket west of GA, south of Swamp 11. | | |
| Photo numbers: 19-camera 4 | | |

| | |
|-------------------------------|------------------------------|
| Topographical features | |
| Slope: S | Aspect: North |
| Overcropping %: 10 | Surface Rock %: 0 |
| Soil Type: sand | Horizon visibility: Moderate |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|-------------------------------|----------------------|--------------|--------------------|-----|-----------------|---|
| Upper | | | | | | |
| Mid | | | | | | |
| Lower | scrub | 0.5 | 2 | 90 | G | Banksia eric, Hakea dact, Ruffellia, Petrophile, Leptocarpus, Dillwynia |
| Ground | edge scrub | 0 | 0.5 | 50 | G | Sarcocolla fast, Epacris micro, Sphaerolobos, Leptocarpus, Leptocarpus |
| Species | PFC: 100-70% | | 70-30% | | 30-10% | <10% |
| Trees > 30m | Tall closed-forest | | Tall open-forest | | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | | Open-forest | | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | | Low open-forest | | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | | V. low open-forest | | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | | | |
| Sclerophyll | Closed Heathland | | Heathland | | Open heathland | Spure heathland |
| Non-sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | Low open-shrubland |
| Mapped community | USBT | | | | | |
| ELCs/Threatened Plants | Pultanea cristata | | | | | |

| | |
|---|---|
| General Habitat Description and comments | |
| Fire History: | 2001 fire - lots of dead Banksia eric + significant regrowth |
| Disturbance: | Grazing, Roads, Powerlines, Erosion, Fire |
| Adjacent land: | Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation |
| RESILIENCE (Natural Soil Profile): | Good, Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile): | Permanently altered, Reveg area, Open space/exotic pasture |
| Weeds and Weed Density: | No weeds |
| Pultanea cristata - scattered along edges of swamp in Banksia thicket | |



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Swamps

Observer: _____

Date: _____

| | | |
|---|---|---|
| Location | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: <i>GPS 14 (008)</i> | Easting <input type="text" value="2"/> <input type="text" value="8"/> <input type="text" value="8"/> <input type="text" value="6"/> <input type="text" value="4"/> <input type="text" value="4"/> | Northing <input type="text" value="6"/> <input type="text" value="1"/> <input type="text" value="9"/> <input type="text" value="3"/> <input type="text" value="5"/> <input type="text" value="0"/> <input type="text" value="3"/> |
| Location description: | | |
| Photo numbers: <i>Camera # 5</i> <i>100-0009</i> | | |

| | |
|-------------------------------|-------------------------------|
| Topographical features | |
| Slope | Aspect <i>NNE</i> |
| Outcropping % | Surface Rock % <i>Nil</i> |
| Soil Type | Horizon visibility <i>N/A</i> |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|---------------|--------------------|--------------|--------------|---------------|-------------|---|
| Upper | <i>Canopy Tree</i> | <i>12</i> | <i>15</i> | <i>20</i> | <i>Good</i> | <i>Euc. racemosa</i> |
| Mid | <i>Tree</i> | <i>3</i> | <i>8</i> | <i><10</i> | <i>Good</i> | <i>Euc. racemosa</i> <i>Leptrocline</i> |
| Lower | <i>Shrub</i> | <i>0.5</i> | <i>1.5</i> | <i>30</i> | <i>Good</i> | <i>Melaleuca thymic</i> <i>Likaa glact</i> <i>Acacia lin</i> <i>Banksia spin</i> |
| Ground | <i>Sedges</i> | <i>0</i> | <i>0.5</i> | <i>90</i> | <i>Good</i> | <i>Lupha diana</i> <i>Echino str.</i> <i>Ancora svenac</i> <i>Ptilo chrest</i> |

| Species | FPC: 100-70% | 70-30% | 30-10% | <10% |
|-----------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10-30m | Closed-forest | Open-forest | <u>Woodland</u> | Open-woodland |
| Trees 5-10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25-2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

| | |
|-------------------------------|---------------------------|
| Mapped community | <i>US 22EW ✓</i> |
| EECs/Threatened Plants | <i>N/A refer WP sheet</i> |

General Habitat Description and comments

Fire History: *4-5 yrs*

Disturbance: *Grazing, Roads, Powerlines, Erosion, Fire*

Adjacent land: *Cleared, Residential, Scattered Trees, Cunicarce, Riparian vegetation*

RESILIENCE (Natural Soil Profile): *(Good), Moderate, Poor, Very Poor/native pasture*

RESILIENCE (Disturbed Soil Profile) – *Permanently altered, Reveg area, Open space/exotic pasture*

Weeds and Weed Density: *Nil*

Good condition = woodland

Mapping confirmed

Logs in litter

Good cryptogamic layer

Excellent region in recruitment post-fire



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Gullies

Observer: BJS B. NEW

Date: 20/04/07

| | | |
|---|---|------------------------|
| Location: | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: 54 (CP59) | Easting 2 8 9 4 1 7 | Northing 6 1 4 5 2 0 9 |
| Location description: Adjacent creek. Downstream of swamp. Donald Castle Swamp. | | |

Photo numbers: 119-1954

| | |
|-------------------------|----------------------|
| Topographical features: | |
| Slope 5 | Aspect NE |
| Outcropping % 0 | Surface Rock % 0 |
| Soil Type 1ST | Horizon visibility - |

| Strata | Form | Lower Height | Upper Height | PfC | Cumd | Dominant Species |
|--------|--------------|--------------|--------------|-----|------|---|
| Upper | Trees | 10 | 15 | 35 | G | Euc. mac. (Dom.) Euc. pip (Few) |
| Mid | ST | 6 | 8 | 20 | G | Banks. eric. kept trunks. Juvenile Euc. sp. |
| Lower | SH | 1 | 3 | 30 | G | Lept. poly, Pers. levis, Acacia rubida, Hakea serena, Hakea clad. Call. cit. |
| Ground | Sedges Herbs | 0 | 0.5 | 40 | G | Caustis flex, Compositae fern, Papyrus, Pers. Lepi. scar, Xanth. pilosa, Lythrag. dend. |

| Aspect | 100-70% | 70-30% | 30-10% | <10% |
|-----------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10-30m | Closed-forest | Open-forest | Woodland | Open woodland |
| Trees 5-10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25-2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low open-scrub | Low shrubland | Low open-shrubland |

| | |
|--------------------------|-------------------|
| Mapped community: | Forest Euc. Wood. |
| RRT's Threatened Plants: | Nil |

| | |
|---|--|
| General Habitat Description and comments | |
| Fire History: | 2001 |
| Disturbance: | Grazing, Roads, Powerlines, Erosion, Fire |
| Adjacent land: | Cleared, Residential, Scattered Trees, Unc. areas, Riparian vegetation |
| RESILIENCE (Natural Soil Profile): | Good, Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile): | Permanently altered, Reveg area, Open space/exotic pasture |
| Weeds and Weed Density: | Nil |
| = Typical wet riparian vegetation | |



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Swamps

Observer: NS KEN

Date: 19/4/07

Location: Note: Easting and Northing is Mandatory for FIS

Waypoint: 044 GPS 14 Easting 293896 Northing 6193270

Location description:
US - FEW/BT

Photo numbers: 100-0044 C5

| | |
|-------------------------------|--------------------------------|
| Topographical features | |
| Slope <u>10%</u> | Aspect <u>NE</u> |
| Outcropping % | Surface Rock % |
| Soil Type <u>Sand</u> | Horizon visibility <u>100m</u> |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species |
|---------------|----------------|--------------|--------------|-----|------|--|
| Upper | Canopy Trees | 12 | 15 | 20 | Good | <i>Euc racemosa</i> <i>Cory gummi</i> |
| Mid | Small trees | 5 | 8 | 30 | Good | <i>Lept tria</i> <i>Banksia</i> |
| Lower | Shrubs | 1 | 2 | 10 | Good | <i>Acacia</i> spp. <i>Myoporum</i> spp. <i>Waka</i> spp. <i>Banksia</i> spp. juv. |
| Ground | Sedgms & Herbs | 0 | 5 | 80 | Good | <i>Platyraea</i> sp. <i>Lept</i> spp. <i>Waka</i> spp. <i>Waka</i> spp. |

| Specht | PFC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: US - FEW/BT ✓

EECs/Threatened Plants: NIL

General Habitat Description and comments

Fire History: 3-6 years (old patches of unburnt sections - mesoic)

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncared, Riparian vegetation

RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: NIL



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Ridges

Observer: NS, KEN

Date: 19 | 4 | 07

Location Note: Easting and Northing is Mandatory for LIS

Waypoint: 047 GPS 14 Easting 292706 Northing 6195851

Location description:
US - Combination FEW & Barkera & Acacia thicket ^{H4}

Photo numbers: 100-0047

Topographical features

Slope < 5% Aspect N

Outcropping % No Surface Rock % No

Soil Type Sand Horizon visibility 50m

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species | |
|-------------------------------|---------------------------|--------------|--------------------|-----|-----------------|---|----------------------|
| Upper | Canopy Trees | 12 | 5 | 20 | Good | Euc. racemosa | |
| Mid | Shrub | 2 | 5 | 70 | Good | Acacia rubida Halcaea dact Banksia spici | |
| Lower | | | | | | | |
| Ground | Scrub & Herbs | 0 | 1 | 20 | Good | Cyathus Lyndasia Pinnella line Lomandra spp. | |
| Specht | PFC: 100-70% | | 70-30% | | 30-10% | | <10% |
| Trees > 30m | Tall closed-forest | | Tall open-forest | | Tall woodland | | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | | Open-forest | | Woodland | | Open-woodland |
| Trees 5 - 10m | Low closed forest | | Low open-forest | | Low woodland | | Low open-woodland |
| Trees < 5m | V. low closed-forest | | V. low open-forest | | V. low woodland | | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | | | | |
| Sclerophyll | Closed Heathland | | Heathland | | Open heathland | | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | | Low open-shrubland |
| Mapped community | US - FEW/RT (hybrid comm) | | | | | | |
| EECs/Threatened Plants | Nil | | | | | | |

General Habitat Description and comments

Fire History: 2001

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: Nil

Soil: bare ground

Canoe shrub layer (get to self-thin)



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Swamps

Observer: NS KEIN

Date: 20/4/07

| | | |
|---|--|-------------------------|
| Location | Note: Easting and Northing is Mandatory for FIS | |
| Waypoint: <u>OS4 GPS14</u> | Easting <u>293470</u> | Northing <u>6193971</u> |
| Location description: <u>US - FEN & BT Complex</u> | | |
| Photo numbers: <u>100-0019 CE</u> | | |

| | |
|-------------------------------|--------------------------------|
| Topographical features | |
| Slope <u>5%</u> | Aspect <u>NE</u> |
| Outcropping % <u>No</u> | Surface Rock % <u>N/A</u> |
| Soil Type <u>sand</u> | Horizon visibility <u>100m</u> |

| Strata | Form | Lower Height | Upper Height | PFC | Cond | Dominant Species | |
|-------------------------------|----------------------------|--------------|--------------------|-----|-----------------|---|----------------------|
| Upper | Canopy Treeff | 8 | 10 | 20 | Good | <i>Euc. v. acorn</i> <i>Corym. gummif.</i> | |
| Mid | - | | | | | | |
| Lower | Shrubs | 1.5 | 3 | 40 | Good | <i>ecto poly</i> <i>Viminaria</i> <i>Banksia eric.</i> | |
| Ground | Sedge | 0 | | 60 | Good | Variety typical sedges & rushes between indent <i>popo-edna</i> | |
| Specht | PFC: 100-70% | | 70-30% | | 30-10% | | <10% |
| Trees > 30m | Tall closed-forest | | Tall open-forest | | Tall woodland | | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | | Open-forest | | Woodland | | Open-woodland |
| Trees 5 - 10m | Low closed-forest | | Low open-forest | | Low woodland | | Low open-woodland |
| Trees < 5m | V. low closed-forest | | V. low open-forest | | V. low woodland | | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | | Open-scrub | | Tall shrubland | | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | | | | |
| Sclerophyll | Closed heathland | | Heathland | | Open heathland | | Spere heathland |
| Non-sclerophyll | Low closed-scrub | | Low Open-scrub | | Low shrubland | | Low open-shrubland |
| Mapped community | <u>US - FEN & BT</u> ✓ | | | | | | |
| EECs/Threatened Plants | <u>N/A</u> | | | | | | |

| |
|---|
| General Habitat Description and comments |
| Fire History: <u>200:</u> |
| Disturbance: <u>Grazing, Roads, Powerlines, Erosion, Fire</u> |
| Adjacent land: <u>Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation</u> |
| RESILIENCE (Natural Soil Profile) - <u>Good</u> , Moderate, Poor, Very Poor/native pasture |
| RESILIENCE (Disturbed Soil Profile) - <u>Permanently altered, Reveg area, Open space/exotic pasture</u> |
| Woods and Weed Density: |
| <u>Swamp suspended waste sandstone bench along drainage</u> |



Vegetation Assessment

Project #: 4447 - Dend A3 SIS Swamps

Observer: NS KEN

Date: 13/4/07

Location _____ **Note:** Easting and Northing is Mandatory for FIS

Waypoint: 016 GPS14 Easting 289317 Northing 6193494

Location description:
US - SHC w/ Fringing Euc Wland

Photo numbers: P100-0016 [Emergent Melal Lin w/ Assoc vegetation P# 100-0017]
C5

Topographical Features

Slope 5° Aspect E

Outcropping % Nil Surface Rock % Nil

Soil Type Organic Sand Horizon visibility Nil

| Strata | Form | Lower Height | Upper Height | PIC | Cond | Dominant Species |
|--------|------|--------------|--------------|-----|------|--|
| Upper | SHC | | | | | Combination of open and closed heath, scattered trees & shrubs |
| Mid | | | | | | |
| Lower | | | | | | |
| Ground | | | | | | |

S.M.C. 10/07

| Species | PFC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 - 30m | Closed-forest | Open-forest | Woodland | Open-woodland |
| Trees 5 - 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed-forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 - 2m | | | | |
| Sclerophyll | Closed heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: US - SHC w/ Fringing Euc Wland

R.E.C./Threatened Plants:

General Habitat Description and comments:

Fire History: _____

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile) - Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: Nil

Stands of dominant *Acacia rubida*, assoc w/ emergent Melal Lin fringed w/ Euc wland

Scenes at *Banksia ericifolia*



Vegetation Assessment

Project #: 4447 – Dend A3 SIS Swamps

Observer: NS KEN

Date: 18/4/07

Location _____ **Note:** Easting and Northing is Mandatory for FIS

Waypoint: 037 CPS14 Easting 292550 Northing 6193329

Location description:
 Boundary of NS-KEN ESSW

Photo numbers: 100-0036

Topographical features

Slope < 5% Aspect NE

Outcropping % Nil Surface Rock % Nil

Soil Type Sand Horizon visibility 50m

| Strata | Form | Lower Height | Upper Height | PPC | Cond | Dominant Species |
|--------|------|--------------|--------------|-----|------|------------------|
| Upper | | | | | | |
| Mid | | | | | | |
| Lower | | | | | | |
| Ground | | | | | | |

| Species | PPC: 100-70% | 70-30% | 30-10% | <10% |
|------------------|----------------------|--------------------|-----------------|----------------------|
| Trees > 30m | Tall closed-forest | Tall open-forest | Tall woodland | Tall open-woodland |
| Trees 10 – 30m | Closed forest | Open forest | Woodland | Open-woodland |
| Trees 5 – 10m | Low closed-forest | Low open-forest | Low woodland | Low open-woodland |
| Trees < 5m | V. low closed forest | V. low open-forest | V. low woodland | V. low open-woodland |
| Shrubs > 2m | Closed-scrub | Open-scrub | Tall shrubland | Tall open-shrubland |
| Shrubs 0.25 – 2m | | | | |
| Sclerophyll | Closed Heathland | Heathland | Open heathland | Sparse heathland |
| Non-sclerophyll | Low closed-scrub | Low Open-scrub | Low shrubland | Low open-shrubland |

Mapped community: Check mapping

EECs/Threatened Plants: Nil

General Habitat Description and comments

Fire History: ~ 0 yrs

Disturbance: Grazing, Roads, Powerlines, Erosion, Fire

Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation

RESILIENCE (Natural Soil Profile): Good, Moderate, Poor, Very Poor/native pasture

RESILIENCE (Disturbed Soil Profile): Permanently altered, Reveg area, Open space/exotic pasture

Weeds and Weed Density: N.A.



GPS Waypoint Record Sheet

| | |
|--------------|--------------|
| Job Number | 4447 |
| Date / Dates | 12/4/07 |
| GPS | 9 (no label) |
| Recorder | SEW |

| WP # | Species / Start/Finish | Comment - Data sheet WP, maturity (adult, juvenile, fruiting/flowering), photo #, abundance, density, area and impacts. |
|------|------------------------|---|
| 011 | 292527 6194236 | Glossy Black Cuckoo x2 ^{observed feeding} in <i>Alloc littoralis</i> significant stand of <i>Alloc littoralis</i> along Wangawilli Creek. |
| 012 | 290608 6104775 | Q7 - gully, Wangawilli |
| 013 | 290610 6195706 | Q in sea - structure recorded. |
| 014 | 290643 6185539 | Q8 - ESSW in Wangawilli gully |
| 015 | 290901 6196574 | Q9 - west of Wangawilli |
| 016 | 290964 6197367 | Q10 - Wangawilli Ck + Fire Road 6 intersection (EAST-SIDE) |
| 017 | 289272 6190191 | <i>Pultanea aristata</i> - scattered along edges of Banksia thicket - numerous plants |
| 018 | 289337 6100170 | <i>Pultanea aristata</i> : Significant population (>5000 plants) in scattered patches across Swamp plant collection |
| 019 | | |
| 020 | 289041 6190356 | veg sheet in gully |
| 021 | 289333 6196432 | veg sheet in Swampyita tree thicket |
| 022 | 289765 6190200 | veg sheet in Banksia thicket |
| 023 | 289670 6190142 | <i>Pultanea aristata</i> in Banksia thicket, significant population ~2000 plants - throughout Swamp. photo = 14-1912 camera 4. |
| 024 | 291042 6197335 | <i>Acacia byrsona</i> - 3 plants (seismic line north) |
| 025 | 291051 6191794 | <i>Acacia byrsona</i> - 2 plants |
| 026 | 291071 6197955 | Q17 - Wangawilli Ck. |
| 027 | 289815 6190488 | Survey Reference Point - upland Swamp |
| 028 | 289255 6191037 | Survey Ref Pt - Upland Swamp - <i>P. aristata</i> >5000 plants |
| 029 | 290810 6189726 | Survey Ref Pt - upland Swamp |



GPS Waypoint Record Sheet

| | |
|--------------|---------|
| Job Number | |
| Date / Dates | 13/4/07 |
| GPS | 14 |
| Recorder | NS KEN |

| WP # | Species / Start/Finish | Comment - Data sheet WP, maturity (adult, juvenile, fruiting/flowering), photo #, abundance, density, area and impacts. |
|------|------------------------|---|
| 008 | US-FEW | E-288644 N-6193503 PH 100-0009 CS |
| 009 | US-SHC | E-288710 N-6193669 PH 100-0010 CS |
| 010 | US-SHC | E-288877 N-6193433 PH 100-0011 CS |
| 011 | NON RECORD | |
| 012 | US-SHC | E-289157 N-6194301 Sanksia ericifolia |
| 013 | US-BT | E-289316 N-6194337 Adult B. via dead regenerating thicket. |
| 014 | SGPF | E-289494 N-6194097 PH 100-0014 CS Q 10 |
| 017 | ESSW | E-289816 N-6193413 Q 11 ESSW |
| 016 | US-SHC/FEW | E-289817 N-6193444 PH 100-0016 (CS) |
| 015 | US-SHC/TF | E-289636 N-6193467 PH 100-0015 (CS) |
| 018 | US-SHC (Acid) | E-290243 N-6193860 PH 100-0018 (CS) |
| 020 | US-SHC (Acid) | E-290142 N-6193523 PH 100-0021 (CS) |
| 021 | HSTOF | E-289351 N-6193197 Q 12 PH 100-0022 (CS) |
| 022 | HSTOF | E-289997 N-6193025 Q 13 PH 100-0023 (CS) |
| 023 | US-SHC (Acid) | E-289797 N-6192771 PH 100-0024 (CS) |
| 024 | US-SHC | E-289533 N-6192826 PH 100-0025 (CS) |
| 025 | US-SHC | E-289612 N-6192213 PH 100-0026 (CS) |
| " | Ac. byn. | At least 30 plants, est. 40+ 100-0027, 0028, 0029, 0030 |
| 026 | US-SHC | E-289947 N-6191140 PH 119-1920 (C4) |
| 027 | BUT SHTG | E-290067 N-6191598 Hand-stencil + charcoal + sketch drawing. |
| 028 | END OF US-SHC | SWAMP (026) Possibly cult site. |
| 029 | SGPF | Confluence of creek from SW of Wongu. II. QUADRAT 15a! E 290960 N-6192321 PH 119-1923 (C4) |
| 030 | US-SHC/FEW | E-289142 N-6194962 NB: Photo on 44 (c. 119-1920 to 119-1930) QUADRAT 15a |
| 031 | US-SHC/FEW | E-289546 N-6191987 PH 100-0031 CS |
| 032 | US-SHC | E-289846 N-6192078 PH 100-0032 CS |
| 033 | US-BT-SHC | E-289229 N-6192390 PH 100-0033 CS |
| 034 | US-SHC-BT | E-293619 N-6192818 PH 100-0034 CS |

Ads - Please download by GPS # not staff name.



**GPS
Waypoint
Record Sheet**

| | |
|--------------|---------|
| Job Number | 4447 |
| Date / Dates | 19/4/07 |
| GPS | 9 |
| Recorder | SEW/BJS |

| WP # | Species / Start/Finish | Comment - Data sheet WP, maturity (adult, juvenile, fruiting/flowering), photo #, abundance, density, area and impacts. |
|------|------------------------|---|
| 027 | 288725 6191681 | Survey Ref Pt - Upland Swamp |
| 028 | 288530 6191970 | Quadrat # 14 - Rock Plate Mallee Heath |
| 030 | 290956 6192542 | " # 15 - Confluence of Wongawilli Creek (20x30m) near 6107 |
| 031 | 287694 6194109 | Survey Ref Pt. Upland Swamp |
| 032 | 291146 6191508 | Quadrat # 18 Wongawilli / Conchwood Rainforest |
| 033 | 291217 6191340 | " # 19 Tributary of Wongawilli " |
| 034 | 291636 6191288 | Survey Ref point - Upland Swamp near B044 |
| 035 | 291813 6191912 | Survey Ref point - Upland Swamp |
| 039 | 291592 6193966 | Survey Ref point - Upland Swamp |
| 037 | 291509 6192947 | " " " near G094 " |
| 036 | 291725 6193048 | " " " east of G094 - Upland Swamp |
| 050 | 291071 6197955 | Quadrat # 17 (30x10) |
| 053 | 289421 6196052 | Survey Ref point - Upland Swamp - Tea tree thicket - near G036 |
| 054 | 289417 6195209 | " " " - F.E.W. Riparian Veg below swamp Creek. Conchwood |
| 055 | 290094 6195626 | " " " - Banksia thicket near G027 " |
| 056 | 291539 6197403 | " " " - Creek parallel to fire road 60 |
| 057 | 291862 6196290 | " " " - Upland Swamp - Banksia thicket near G022 " |
| 058 | 291774 6196103 | " " " - Creek edge of G022 |
| 059 | 291009 619583 | " " " - Upland Swamp, Banksia thicket near G022 " |
| 060 | 291255 6195470 | Quadrat # 20 - Rock plate Heath Mallee near Pt G08 |



BIOSIS
1 8 1 3 7 9 2 4

GPS Waypoint Record Sheet

| | |
|--------------|-------------|
| Job Number | 4447 A3-SIS |
| Date / Dates | 9/4 - 2/4 |
| GPS | 14 |
| Recorder | NS KEN |

| WP # | Species / Start/Finish | Comment - Data sheet WP, maturity (adult, juvenile, fruiting/flowering), photo #, abundance, density, area and impacts. |
|------|------------------------|---|
| 035 | US-SHC (EJPH) | E-292285 CS P 100-0035 N-6192879 |
| 036 | US-SHC (BT TT) | E-292794 CS P 100-0037 N-6173276 |
| 037 | US-FEW ESSW | E-292550 CS P 100-0036 N-6173329 |
| 038 | US-SHC | E-292446 CS P 100-0038 N-6193542 |
| 039 | US-SHC FEW | E-292313 CS P 100-0039 N-6194157 |
| 040 | SGPF | E-292740 CS P 100-0040 N-6195175 |
| 041 | US-SHC-TT | E-292559 CS P 100-0041 N-6194846 |
| 042 | US-SHC-BT | E-292218 CS P 100-0042 N-6193825 |
| 043 | US-BT FEW | E-292678 CS P 100-0043 N-6193333 |
| 044 | US-FE W/BT | E-293896 CS P 100-0044 N-6193270 |
| 045 | US-SHC | E-293480 CS P 100-0045 N-6192465 |
| 046 | US-BT | E-293009 CS P 100-0046 N-6192712 |
| 047 | US-COMO | E-292706 CS P 100-0047 N-6195251 |
| 053 | US-BT | E-293779 CS P 100-0048 N-6194234 |
| 054 | US-FEW/BT | E-293474 CS P 100-0049 N-6193971 |
| 055 | SGPF | E-292924 CS P 100-0050 N-6194117 |
| 056 | ESSW | E-292685 CS P 100-0051 N-6193668 |
| 057 | US-BT (Rep.) | E-292731 CS P 100-0052 N-6193635 |
| 058 | SGPF | E-292873 CS P 100-0053 N-6196050 |
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WP 049-052
to ACCESS uph



BIOSIS
2004

GPS Waypoint Record Sheet

| | |
|--------------|----------|
| Job Number | 4447 |
| Date / Dates | 04/05/07 |
| GPS | 11 |
| Recorder | MS & BJS |

| WP # | Species / Start/Finish | Comment - Data sheet WP, maturity (adult, juvenile, fruiting/flowering), photo #, abundance, density, area and impacts. |
|------|------------------------|---|
| 144 | 289296 6190898 | Start of track - Area of <i>P. cristata</i> in swamp |
| 145 | 289307 6190952 | Corner |
| 146 | | |
| 147 | | |
| 148 | | |
| 149 | | End point |
| | | |
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APPENDIX 3

COMPLETED FAUNA DATA SHEETS

20 JUN 2007

ENTERED

253



BIOSIS

Spotlighting Survey Proforma

Stag-watch: Upland swamp.

Project #: 4447

Observer: JC, RMH, KS

Date: 11-05-07

| Location and timing | Start | Finish |
|--|---------------------|-------------------------------|
| MGA Zone: APS6 | Easting 287927 | Easting <input type="text"/> |
| | Northing 6119143013 | Northing <input type="text"/> |
| | Time (24 h): 16:40 | Time (24 h): 18:10 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: Donald's Castle Swamp A. (P316) | | |

| Survey Details | |
|------------------------------|---------|
| Number of surveyors? | 3 |
| Total effort (person hours)? | 1.5 hrs |
| Number of hectares covered? | |

| Weather at start of survey | |
|----------------------------|-------|
| Cloud cover: | 0/8 |
| Wind Direction and speed: | Still |
| Temperature (°C): | Mild |
| Comments: | |
| Moon: | — |
| Rain: | — |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes. 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| F | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | E | Nest or roost |
| B | Bones or teeth | N | Not located |

| Microhabitat Type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | IB | In burrow |
| DR | In/on bridge | IC | In cave |
| BD | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/tire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| FW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | OL | On log |
| OR | On rock | OW | Over water |
| RD | On road | TK | On trunk |
| UB | Under bark | UC | Upper canopy |
| UG | Undergrowth | UL | Under log |
| UR | Under rock | WH | Waterhole |

Notes: very large tree, knobby. Various sized hollows, at least 5.

 Ribbley
n.

Largest visible hollow approx 15cm wide and 20cm tall. Tree located approx 30m from adjacent woodland. Surrounding trees also with hollows.

ENTERED
234



Spotlighting Survey
Proforma

Project #: 4447
Observer: KJC + DCG
Date: 14/05/07

Location and timing: S538 Start Finish

MCA Zone: S6 Easting 292361 Easting 33767

Northing 619267 Northing 44444

Time (24 h): 16.42 Time (24 h): 18.12

Map sheet Name: Map sheet number: LGA:

Location description:
Swamp 15 B

Survey Details

Number of surveyors? 2 Total effort (person hours)? 1.5

Number of hectares covered? N/A

Weather at start of survey

Cloud cover: 3/8 Moon:

Wind Direction and speed: 0 Rain: N/A

Temperature (°C):

Comments: STAG A EUCALYPT WITH NO CROWN. SEVERAL HOLLOW IN BOLE OF TREE, INCLUDING LARGE SPOUT HOLLOW. TREE ON 15° ANGLE.

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0= None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | | | | |
|---|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In sect | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

Microhabitat type

| | | | | | |
|----|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IU | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

Not entered
28/6/07.

Sp-man - ridge
(60m)



Spotlighting Survey Proforma

Project #: 44117
Observer: J. C. M. Taylor
Date: 6/6/07

519 to 520
750m
230m
close to
519 to 520

519 to 520
2008-2012
1500
at 519 to 520

| | |
|--|--|
| Location and timing: 730 Start | 520 Finish |
| MGA Zone: 56 GRS48 Easting 293281 | Easting 293282 |
| Northing 6192011 | Northing 6192179 |
| Time (24 h): 20:34 | Time (24 h): 20:45 |
| Map sheet Name: | Map sheet number: |
| LGA: | |
| Location description: Ridge. Post-transect along Y07B (road crosses Y07A). Access from 60 Transect: 520 -> 519 -> 730 Note: 519 is not part of 500m transect | |
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 22/60: 0.37 |
| Number of hectares covered? 200m | |

| | |
|--|-----------|
| Weather at start of survey | |
| Cloud cover: 0 | Moon: 4 |
| Wind Direction and speed: 0 | Rain: nil |
| Temperature (°C): 10.0 | |
| Comments: See pg 2 for more detail of transect | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = 1/8 Moon, 2 = 1/4 Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| | | M | Miscellaneous |
| | | E | Nest or roost |
| | | B | Bones or teeth |
| | | N | Not located |
| | | F | Tracks, scratching |
| | | Z | In raptor/owl pellet |

| Microhabitat type | | | |
|-------------------|----------------------|-----|----------------|
| AC | Flying above canopy | SIB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevices in log | IL | In litter |
| DA | Farm/fire dam | IR | In rocks |
| DE | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GB | On ground | LS | Low shrub |
| GS | High shrub | MC | Mid canopy |
| | | OR | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TK | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

ENTERED 276 28 JUN 2007



Spotlighting Survey Proforma
on foot - Ridge

Project #: 4447
Observer: JC + AKR
Date: 5-6-07

Location and timing: Start S802 Finish S803b

MGA Zone: GPS 5 Easting 290151 Easting 289040

Northing 6189953 Northing 6190056

Time (24 h): 20:00 Time (24 h): 20:42 (42 mins)

Map sheet Name: Map sheet number: LGA:

Location description:

Track off 6A, towards Lake Avon, from x20.

Survey Details

Number of surveyors? 2 Total effort (person hours)? 1hr 24mins
Number of hectares covered? 1-4 km

Weather at start of survey

Cloud cover: 0/8 Moon: not out yet.
Wind Direction and speed: Still Rain: None
Temperature (°C): 4°C Humidity: 57%
Comments:

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

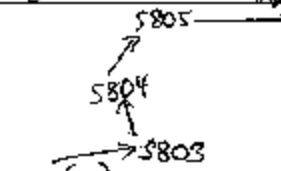
Observation types

| | | | | | |
|---|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | U | Not located |

Microhabitat Type

| | | | | | |
|----|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | JG | In grass | OR | On rock |
| CK | Crevise in rock | HI | In tree hollow | OW | Over water |
| CL | Crevise in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | On trunk |
| DE | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| EC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

Transect:



ENTERED
275

28 JUN 2007



BIOSIS

Spotlighting Survey
Proforma

on foot - Ridge

Project #: 4447

Observer: AKR + JC

Date: 5-6-07

| | | | |
|---|--------------------|------------------------------|-------------|
| Location and timing | | Start S209 | Finish S810 |
| MGA Zone: APS S | Easting 289665 | Easting 289109 | |
| | Northing 6191050 | Northing 6190657 | |
| | Time (24 h): 23:12 | Time (24 h): 23:36 (24 mins) | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Track/seismic line heading west off 6A (opposite bird survey). | | | |

plus
S811
289658
6191123

| | |
|--|---|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 48 mins (p.h.) |
| Number of hectares covered? 800 _h | |

| | |
|---------------------------------|-------------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: Almost Full |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 3°C | Humidity = 79% |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1=¼ Moon, 2=½ Moon, 4=Full
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0=calm, 1=light, leaves rustle, 2=moderate, branches move, 3=strong, tops of trees move.

| | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Plying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BC | In building | IG | In grass | OR | On rock |
| CK | Crevise in rock | IH | In tree hollow | OW | Over water |
| CL | Crevise in log | IL | In litter | RU | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FS | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

Transect:

S810



ENTERED

28 JUN 2007

ENTERED
4003 274



Spotlighting Survey
Proforma

on foot - Ridge

| |
|--------------------|
| Project #: 4447 |
| Observer: AKR + JC |
| Date: 6.6.07 |

| | | | |
|---|--------------------|------------------------------|--------------|
| Location and timing | Start S812 | Mid Finish S813 | Finish: S814 |
| MGA Zone: GPS S | Easting 289313 | Casting 289207 | 289128 |
| | Northing 6191792 | Northing 6191754 | 6191571 |
| | Time (24 h): 00:03 | Time (24 h): 00:14 (11 mins) | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Brush-matted (mostly) seismic line that crosses 6A, mostly heading south (towards Anabat from hell). | | | |

| | |
|----------------------------------|---|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 22 mins (p.h.) |
| Number of hectares covered? 300m | |

| | |
|----------------------------------|------------------|
| Weather at start of survey | |
| Cloud cover: 0/8 (but some mist) | Moon: 3/4 |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 2.4°C | ? Apparently 99% |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | |
|-----------------------|----------------------|-------------------------|
| Observation types | | |
| O: Observed (sighted) | R: Road kill | E: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | N: Nest or roost |
| H: Hair or feathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | J: Fossil/sub-fossil | N: Not located |

| | | |
|--------------------------|--------------------|-------------------|
| Microhabitat Type | | |
| AC: Flying above canopy | IB: In burrow | OB: On beach sand |
| BE: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CK: Crevice in rock | OH: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| DA: Dam/fire dam | IR: In reeds | TR: ON trunk |
| DI: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| IC: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |



Not Entered at
2/28/6/07



**Spotlighting Survey
Proforma**

BIOSIS on foot - ridge

| |
|---------------------|
| Project #: 4447 |
| Observer: JCT + AKR |
| Date: 6.6.07 |

| | | |
|--|--------------------|--|
| Location and timing | Start 5815 | Finish 5816 |
| MGA Zone: APS5 | Easting 288996 | Easting 288940 |
| | Northing 6119275 | Northing 6119173 |
| | Time (24 h): 00:54 | Time (24 h): 00:54 01:10 (16mins) |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Seismic line that starts at Swamp 11 entry. | | |

| | |
|----------------------------------|---|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 32min (p.h.) |
| Number of hectares covered? 350m | |

| | |
|-----------------------------------|------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: 3/4 |
| Wind Direction and speed: SW 11 | Rain: None |
| Temperature (°C): 3.1 | ? |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|--------------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| | | E | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | R | Nest or roost |
| | | Y | Bones or teeth |
| | | N | Nut located |

| | | | |
|--------------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BI | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | II | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GS | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TK | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

Entered
28/6/07

273



Spotlighting Survey
Proforma
on foot - Ridge

| |
|--------------------|
| Project #: 4447 |
| Observer: JC + AKR |
| Date: 6-6-07 |

| | | |
|--|---------------------|------------------------------|
| Location and timing: | Start S817 | Finish S818 |
| MGA Zone: GPS 5 | Easting 287704 | Easting 287892 |
| | Northing 1611947319 | Northing 16119461481 |
| | Time (24 h): 01:34 | Time (24 h): 02:00 (26 mins) |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: Track heading east off 6A (near 6/6A intersection). | | |

Finish
S819:
288333
6194328

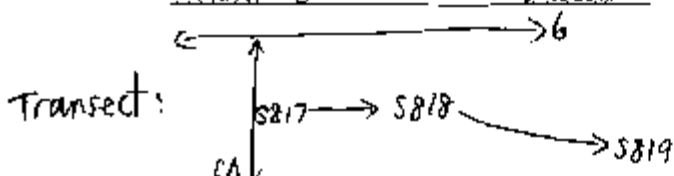
| | |
|----------------------------------|---|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 52 mins (ph) |
| Number of hectares covered? 800m | |

| | |
|------------------------------|------------|
| Weather at start of survey | |
| Cloud cover: 1/8 | Moon: 3/4 |
| Wind Direction and speed: SW | Rain: None |
| Temperature (°C): 4.6°C | ? |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2 Moon, 4= Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| | | F | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | E | Nest or roost |
| | | B | Bones or teeth |
| | | N | Nut located |

| | | | |
|-------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (slag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | OD | On road |
| | | OT | On trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |



Entered
23/6/07
~~27~~ 272



Spotlighting Survey Proforma
on foot-ridge.

Project #: 4447
Observer: JC + AKR
Date: 6.6.07

| | | | |
|---|------------------------|-----------------------------|----------------------------------|
| Location and timing: | | Start S824 | 2 nd WP - Finish S825 |
| MGA Zone: APS 5 | Easting 2 8 9 2 8 9 | Easting 2 8 9 0 5 8 | |
| | Northing 6 1 9 2 6 9 4 | Northing 6 1 9 2 3 3 3 | |
| | Time (24 h): 18:37 | Time (24 h): 19:07 (30mins) | |
| Map sheet Name: | Map sheet number: | I.G.A.: | |
| Location description: From X02 heading SW, uphill, towards railway and 6A. And then back towards X02. | | | |

See below for more.

| | |
|----------------------------------|---|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 1hr (p.h.) |
| Number of hectares covered? 900m | |

| | |
|---------------------------------|------------------|
| Weather at start of survey: | |
| Cloud cover: 0/8 | Moon: Not up yet |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 8.9 | Humidity = 51% |
| Comments: | |

Cloud cover: Record cover in eighths of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| | | E | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | N | Nest or roost |
| | | Y | Bones or teeth |
| | | N | Not located |

| Microhabitat Type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GB | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TR | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

3rd WP = S826 289051 / 6192573

Transect: S825 → S826

4th WP = S827 289265 / 6192675

S824

Not Entered
28/6/07



Spotlighting Survey Proforma
on foot - ridge

| |
|--------------------|
| Project #: 4447 |
| Observer: JC + AKR |
| Date: 6.6.07 |

| | | |
|---|--------------------|------------------------------|
| Location and timing | Start 5832 | Finish 5833 |
| MGA Zone: GPS 5 | Easting 290302 | Easting 290234 |
| | Northing 611964 | Northing 611967 |
| | Time (24 h): 21:09 | Time (24 h): 21:26 (17 mins) |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Seismic/track heading NW from 6, near P01. | | |

| | |
|----------------------------------|---|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 34 mins (p.h.) |
| Number of hectares covered? 300m | |

| | |
|---------------------------------|------------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: Not up yet |
| Wind Direction and speed: still | Rain: None |
| Temperature (°C): 7°C | Humidity = 55% |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1= ¼ Moon, 2= ½ Moon, 4= Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|----------------------|---|--------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil /sub-fossil |
| F | Tracks, scratching | M | Miscellaneous |
| Z | In raptor/owl pellet | E | Nest or roost |
| N | Not located | Y | Bones or teeth |

| Microhabitat Type | | | |
|-------------------|----------------------|----|----------------|
| AG | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CR | Crevise in rock | IH | In tree hollow |
| CL | Crevise in log | IL | In litter |
| DA | Dam/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | OR | On rock |
| OL | On log | OW | Over water |
| OR | On rock | RU | On road |
| OW | Over water | TK | ON trunk |
| RU | On road | UB | Under bark |
| TK | ON trunk | UC | Upper canopy |
| UB | Under bark | UG | Undergrowth |
| UC | Upper canopy | UL | Under log |
| UG | Undergrowth | UR | Under rock |
| UL | Under log | WH | Waterhole |
| UR | Under rock | | |
| WH | Waterhole | | |

Not Entered
28/6/07



BIOSIS

Spotlighting Survey
Proforma

on foot - ridge

Project #: 447

Observer: AKR + JR

Date: 6.6.07

| | | | |
|--|--------------------|------------------------------|-------------|
| Location and timing | | Start S834 | Finish S835 |
| MGA Zone: APS5 | Easting 290109 | Easting 289924 | |
| | Northing 611196359 | Northing 6111961339 | |
| | Time (24 h): 21:36 | Time (24 h): 21:50 (14 mins) | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Seismic/track heading NW from 60, just SW of P01. | | | |

| | |
|----------------------------------|---|
| Survey Details: | |
| Number of surveyors? 2 | Total effort (person hours)? 28 mins (p.h.) |
| Number of hectares covered? 200m | |

| | |
|---------------------------------|-------------------|
| Weather at start of survey: | |
| Cloud cover: 0/8 | Moon: not up yet. |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 7°C | Humidity: 55% |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 = light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | | |
|-------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | L | Fossil/sub-fossil |
| F | Tracks, scratching | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | N | Nest or roost |
| | | B | Bones or teeth |
| | | N | Not located |

| | | | |
|-------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/tire dam | IR | In reeds |
| DI | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| IG | In/on post or stump | IW | In water |
| IL | Flying within canopy | LC | Lower canopy |
| GC | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | UB | Under bark |
| OL | On log | UC | Upper canopy |
| OR | On rock | UG | Undergrowth |
| OW | Over water | UL | Under log |
| RD | On road | UR | Under rock |
| TK | ON trunk | WH | Waterhole |

Entered
28/6/07
271



**Spotlighting Survey
Proforma**
on foot - ridge

Project #: 4447
Observer: JC + AKR
Date: 6.6.07

| | | |
|--|--------------------|-----------------------------|
| Location and timing | Start S836 | Finish S837 |
| MGA Zone: GPS 5 | Easting 2899113 | Easting 289886 |
| | Northing 6195771 | Northing 6194755 |
| | Time (24 h): 22:50 | Time (24 h): 23:24 (34mins) |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: X01 → Luke's Track. | | |

| | |
|---------------------------------|---|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 1 hr 8 mins (p.h.) |
| Number of hectares covered? 1km | |

| | |
|-----------------------------------|----------------|
| Weather at start of survey | |
| Cloud cover: 2/8 | Moon: 3/4 |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 7.2 | Humidity = 67% |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 = None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|--------------------------|----------------------|-------------------------|
| Observation types | | |
| D: Observed (sighted) | R: Road kill | F: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Car kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | N: Nest or roost |
| H: Hair or feathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | I: Fossil/sub-fossil | N: Not located |

| | | | |
|--------------------------|--------------------|-------------------|--|
| Microhabitat Type | | | |
| AC: Flying above canopy | IB: In burrow | OB: On beach sand | |
| BR: In/on bridge | IC: In cave | OL: On log | |
| BU: In building | IG: In grass | OR: On rock | |
| CK: Crevice in rock | IL: In tree hollow | OW: Over water | |
| CL: Crevice in log | IL: In litter | RD: On road | |
| DA: Dam/fire dam | IR: In reeds | TR: ON trunk | |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark | |
| EW: Edge of water | IT: In live tree | UC: Upper canopy | |
| FC: In/on post or stump | IW: In water | UG: Undergrowth | |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log | |
| GR: On ground | LS: Low shrub | UR: Under rock | |
| HS: High shrub | ML: Mid canopy | WH: Waterhole | |

Entered
28/6/07
270



Spotlighting Survey Proforma
on foot-ridge

| |
|--------------------|
| Project #: 4447 |
| Observer: AKR + JC |
| Date: 7.6.07 |

| | | | |
|--|--------------------|-----------------------------|-------------|
| Location and timing | | Start 5840 | Finish 5841 |
| MGA Zone: APS 5 | Easting 2923991 | Easting 2927411 | |
| | Northing 6197538 | Northing 6197787 | |
| Map sheet Name: | Time (24 h): 00:34 | Time (24 h): 01:00 (26mins) | |
| | Map sheet number: | LGA: | |
| Location description: Powerline and dam maintenance track off 6C (north end of study area). | | | |

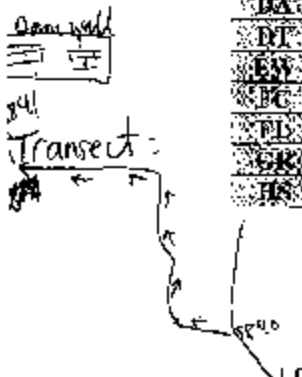
| | |
|----------------------------------|--|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 52mins (p.h.) |
| Number of hectares covered? 500m | |

| | |
|-----------------------------------|----------------------------------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: 3/4 but covered by clouds. |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 9.7 | Humidity: 70% |
| Comments: | |

Cloud cover: Record cover in eights of sky.
Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Observation types | | |
| O : Observed (sighted) | R : Road kill | T : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| L : Trapped or netted | F : Fox kill | N : Nest or roost |
| H : Hair or feathers | S : Shot | B : Bones or teeth |
| A : Stranded/beached | F : Fossil/sub-fossil | N : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Microhabitat Type | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/tire dam | IR : In reeds | TR : ON trunk |
| DT : In dead tree (smg) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |



Not Entered
28/6/07



Spotlighting Survey
Proforma
on foot - Ridge

Project #: 4447

Observer: JC + AKR

Date: 7.6.07

| | | |
|---|--------------------|-----------------------------|
| Location and timing | Start S842 | Finish S843 |
| MGA Zone: GPSS | Easting 292429 | Easting 292425 |
| | Northing 61196444 | Northing 61196465 |
| | Time (24 h): 01:43 | Time (24 h): 01:53 (10mins) |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: 6L off 6C towards powerline. | | |

| | |
|----------------------------------|--|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 20mins (p.h.) |
| Number of hectares covered? 200m | |

| | |
|-----------------------------------|---------------|
| Weather at start of survey | |
| Cloud cover: 6/8 | Moon: 3/4 |
| Wind Direction and speed: SKL | Rain: None |
| Temperature (°C): 9.9 °C | Humidity: 65% |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------------|----------------------------|-------------------------------|
| Observation Types | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat Type | | |
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BL In hollowing | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TK ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FG In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

Entered
28/6/07
269



Spotlighting Survey Proforma

on foot-ridge

| | |
|------------|----------|
| Project #: | 4447 |
| Observer: | JC + AKR |
| Date: | 7.6.07 |

| | | |
|----------------------|----------------------|------------------------------|
| Location and timing: | Start S844 | Finish S845 |
| MGA Zone: GPS5 | Easting 219121219141 | Easting 2191211510 |
| | Northing 61196141610 | Northing 6119619319 |
| Map sheet Name: | Time (24 h): 01:57 | Time (24 h): 02:18 (21 mins) |
| | Map sheet number: | LGA: |

Location description:
Track perpendicular to 6L, heading towards and along powerline easement.

| | |
|------------------------------|-------------|
| Survey Details | |
| Number of surveyors? | 2 |
| Number of hectares covered? | 500m |
| Total effort (person hours)? | 42mins (ph) |

| | |
|----------------------------|-------|
| Weather at start of survey | |
| Cloud cover: | 6/8 |
| Wind Direction and speed: | still |
| Temperature (°C): | 9.9°C |
| Comments: | |
| Moon: | 3/4 |
| Rain: | None |
| Humidity: | 65% |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | T | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | F | Fossil/sub-fossil | N | Not located |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | OB | In burrow | OD | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevices in rock | JH | In tree hollow | OW | Over water |
| CL | Crevices in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

Entered
28/6/07
268

SD - mam/rep - Ridge
(Foot)



Spotlighting Survey
Proforma

| |
|-------------------|
| Project #: 4447 |
| Observer: JJC JWP |
| Date: 5/6/07 |

| | | |
|---|--------------------|--------------------|
| Location and timing | 16 Start | 710 Finish |
| MGA Zone: 5 GPS# 7 | Easting 272046 | Easting 291408 |
| | Northing 6171257 | Northing 6192111 |
| | Time (24 h): 22.15 | Time (24 h): 23.00 |
| Map sheet Name: | Map sheet number: | IGA: |
| Location description: Transect on foot from 6F along Y07G → Y07G30 → 706 → 707 (near Y07G 27) gully → 709 → 750 Ridge - mostly | | |

X16 - 210
- 060 m.
709 → 708
(23.05 - 23.07)
70 m
707 → 706
Gully
23.08 - 23.15

| | |
|------------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 1.5 |
| Number of hectares covered? 1050 m | |

| | |
|-----------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 0 | Moon: 4 |
| Wind Direction and speed: 0 | Rain: nil |
| Temperature (°C): 6.0 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 = None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | S | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Car kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | B | Bones or teeth |
| A | Stranded/beached | F | Fossil/sub-fossil | N | Not located |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | UB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | On trunk |
| DL | In dead tree (slag) | IS | In soil | UB | Under bank |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GB | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

Entered
28/6/07
267

Sp-mam/rep2 - ridge
foot



Spotlighting Survey Proforma

| |
|----------------------------|
| Project #: 4447 |
| Observer: PSC + TAP |
| Date: 9/2/07 |

| | | |
|---|--------------------|--------------------|
| Location and timing | Start | Finish |
| MGA Zone: 56 | Easting 2192127 | Easting 2192103 |
| | Northing 6191156 | Northing 6191150 |
| | Time (24 h): 19.25 | Time (24 h): 19.55 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Transect on foot along 6F from eastern end of study area heading north. 1km in 30 min | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2.0 | Total effort (person hours)? 1.0 |
| Number of hectares covered? 1km | |

| | |
|-----------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 0/6 | Moon: ? |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 10.7 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|--------------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | B | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| | | | | | |
|--------------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| DB | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/tire dam | IR | In reeds | TK | ON trunk |
| DI | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | LI | In live tree | UC | Upper canopy |
| FG | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GS | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

Not Entered
28/6/07

SP - Over - Ridge
(road)



Spotlighting Survey Proforma

| |
|----------------------------|
| Project #: 4447 |
| Observer: KJCH + AR |
| Date: 7/6/07 |

| | | | |
|--|--------------------|-------------------|---------------|
| Location and timing 284 | Start | 741 | Finish |
| MGA Zone: 56 QPS43 | Easting 202240 | Easting 291927 | |
| | Northing 6193613 | Northing 6193537 | |
| | Time (24 h): 01:35 | Time (24 h): 0:47 | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Ridge marked along bk five Ro | | | |

| | |
|------------------------------------|---|
| Survey Details | |
| Number of surveyors? 2 | Total effort: (person hours)? 2400 = 04 |
| Number of hectares covered? 430 ha | |

| | |
|-----------------------------------|------------|
| Weather at start of survey | |
| Cloud cover: 100% cloud cover | Moon: 4 |
| Wind Direction and speed: 0 | Rain: None |
| Temperature (°C): 10.2 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - ¼ Moon, 2 - ½ Moon, 4 - Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | |
|-----------------------------|----------------------------|--------------------------------|
| Observation types | | |
| Q Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/fowl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat Type | | |
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Dam/fire dam | IR In reeds | TR ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

Entered
28/6/07
266

SP (foot) - summit - Ridge



Spotlighting Survey Proforma

| |
|---------------------|
| Project #: 96107 |
| Observer: J. C. TAP |
| Date: 10/10/07 |

| | |
|--|------------------------|
| Location and timing: 737 Start | 738 Finish |
| MGA Zone: 56 GDSF7 Easting 2 2 2 2 2 2 2 | Easting 2 9 3 5 3 3 |
| Northing 6 1 1 9 2 0 8 6 | Northing 8 1 9 3 7 9 1 |
| Time (24 h): 00-15 | Time (24 h): 00-40 |
| Map sheet Name: | Map sheet number: |
| LGA: | |
| Location description: Ridge - seismic. D019 to NW of 6c (seismic starts at brush-lined track. large cleared area of 6c) | |

| | |
|----------------------------------|---|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 25/60 = 0.42 |
| Number of hectares covered? 620m | |

| | |
|---|-----------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: ? |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 20.0 | |
| Comments: NB: looked out for proposed seismic. Y&D had cancelled find | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 = light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| | | K | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | E | Nest or roost |
| | | Y | Bones or teeth |
| | | N | Not located |

| Microhabitat Type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CR | Crevice in rock | IF | In tree hollow |
| CE | Crevice in log | IL | In litter |
| DA | Farm fire dam | IR | In reeds |
| DE | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FG | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TR | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

Entered
28/6/07
265

SP (-foot) - Main - Ridge

734

Swamp A

2007



Spotlighting Survey Proforma

| |
|---------------------|
| Project #: 14447 |
| Observer: KJC + TAP |
| Date: 6/6/07 |

| | |
|--|--------------------|
| Location and timing: 733 Start | 734 Finish |
| MGA Zone: 56 GBS#7 Easting 274683 | Easting 274833 |
| Northing 6192122 | Northing 6193042 |
| Time (24 h): 22:45 | Time (24 h): 23:15 |
| Map sheet Name: Map sheet number: LGA: | |
| Location description: Ridge Sensives along bottom of Swamp A, 734 end of 505m | |

| | |
|---------------------------------|---------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 10 |
| Number of hectares covered? 1km | |

| | |
|---|-----------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: 4 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 20.2 | |
| Comments: Noise from vent shaft sounds like giant swarms of bees | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1= ¼ Moon, 2= ½ Moon, 4= Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------------|----------------------------|-------------------------------|
| Q Observed (sighted) | R Road kill | T Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| I Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | F Fossil/sub-fossil | N Not located |

| | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/Levee dam | IR In reeds | TR ON trunk |
| DF In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

Entered
28/6/07
264

JP - Man - Ridge
(fool)

X7B1
Parking spot for
Ridge D



Spotlighting Survey Proforma

| |
|---------------------|
| Project #: 4447 |
| Observer: KJC + TAP |
| Date: 6/6/07 |

| | | | |
|--|--------------------|--------|--------------------|
| Location and timing: | Start | 732 | Finish |
| MGA Zone: 56 GNS#7 | Easting | 294923 | Easting 295087 |
| | Northing | 619436 | Northing 619781 |
| | Time (24 h): 22:07 | | Time (24 h): 22:20 |
| Map sheet Name: | Map sheet number: | IGA: | |
| Location description: Ridge: transect along ridge following monitoring points | | | |

| Survey Details | |
|-----------------------------------|--|
| Number of surveyors? 2 | Total effort (person hours)? 36/60 = 0.6 |
| Number of hectares covered? 350 m | |

| Weather at start of survey | |
|-----------------------------|-----------|
| Cloud cover: 08 | Moon: 1/4 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 20.0 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 = None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | B | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | L | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AG | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BV | In building | IG | In grass | OR | On rock |
| EK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IJ | In litter | RO | On road |
| DA | Farm/fire dam | IR | In reeds | TR | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| EC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WL | Waterhole |

Not Entered
28/6/07

SP - man/rap - ridge
(foot)

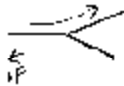


Spotlighting Survey Proforma

Project #: 4447
Observer: KJC, TAP
Date: 6/6/07

X714 = intersection of 2 seismic's

715 = Fork in rd



715 = Swamp (any veg?)

304 = 715

850m

1-35

| | | |
|--|--------------------|--------------------|
| Location and timing | 304 Start | 716 Finish |
| MGA Zone: 56 GPS#7 | Easting 29224 | Easting 29297 |
| | Northing 6102386 | Northing 6119259 |
| | Time (24 h): 01:00 | Time (24 h): 01:40 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: Ridge - Seismic E off bf (for walk into S15B) Y07B? Transect 304-714-715-716 | | |

| | |
|----------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 1-3 |
| Number of hectares covered? 850m | |

| | |
|-----------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 0 | Moon: 4 |
| Wind Direction and speed: 0 | Rain: 0 |
| Temperature (°C): Cold | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = 1/8 Moon, 2 = 1/4 Moon, 4 = Full
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|--------------------------|----------------------|-------------------------|
| Observation types | | |
| O: Observed (sighted) | R: Road kill | T: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | E: Nest or roost |
| H: Hair or feathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | I: Fossil/sub-fossil | N: Not located |

| | | |
|--------------------------|--------------------|-------------------|
| Microhabitat Type | | |
| AC: Flying above canopy | IB: In burrow | OB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CR: Crevice in rock | IB: In tree hollow | OW: Over water |
| CF: Crevice in log | IL: In litter | RD: On road |
| DA: Farm/fire dam | IR: In reeds | TR: ON trunk |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| FC: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GB: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |

Entered
28/6/07
262

S209 → S211

SP-Mammal/-Ridge
Reptile

(on foot)



Spotlighting Survey Proforma

Project #: 4417

Observer: KJC

Date: 15/04/07

| | | |
|--|--|--|
| Location and timing | Start | Finish |
| MGA Zone: S9 GPS# 5 | Easting <input type="text" value="28961"/> <input type="text" value="3961"/> | Easting <input type="text" value="29003"/> <input type="text" value="7"/> |
| | Northing <input type="text" value="19352"/> <input type="text" value="52"/> | Northing <input type="text" value="61943"/> <input type="text" value="2"/> |
| | Time (24 h): 25:36 | Time (24 h): 21:30 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Spotlight from DCT 1 parking spot along b towards dam | | |

Survey Details

Number of surveyors? 1 Total effort (person hours)? 1.0
Number of hectares covered? 1 km

Weather at start of survey

Cloud cover: 1/8 Moon: 0
Wind Direction and speed: 0 Rain: 0
Temperature (°C):
Comments:

Cloud cover: Record cover in sights of sky

Moon: Record using the following codes: 0 - None, 1 - ¼ Moon, 2 - ½ Moon, 4 - Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 - light, leaves rustle, 2 = moderate, branches move, 3 - strong, tops of trees move.

Observation types

| | | |
|-------------------------------|------------------------------|----------------------------------|
| O : Observed (sighted) | R : Road kill | T : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owls pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | N : Nest or roost |
| H : Hair or feathers | S : Shot | B : Bones or teeth |
| A : Stranded/beached | F : Fossil/sub-fossil | N : Not located |

Microhabitat Type

| | | |
|----------------------------------|----------------------------|---------------------------|
| AG : Flying above canopy | IR : In burrow | OR : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IE : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RO : On road |
| DA : Farm/tire dam | IR : In reeds | TR : ON trunk |
| DE : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

Entered
28/6/07
261

S205 - S206 SP - mammals / - Ridge
Reptiles
(on foot)



**Spotlighting Survey
Proforma**

| |
|------------------------|
| Project #: 4447 |
| Observer: NEO |
| Date: 17/04/07 |

| | | | |
|--|-------------------|--------------------------------|-------------------------------|
| Location and timing: Spts: 205 Start | | Finish 206 | |
| MGA Zone: S6 | Grid # 4 | Easting 2 2 2 4 3 5 | Easting 2 7 2 3 2 6 |
| Northing 6 1 9 4 8 7 1 | | Northing 6 0 9 5 6 0 | |
| Time (24 h): 18:30 | | Time (24 h): 19:29 | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Ridge spotlight site, along BC from CP at BC Swamp towards along wall. | | | |

| | |
|---------------------------------|-----------------------------------|
| Survey Details: | |
| Number of surveyors? 1 | Total effort (person hours)? 18.5 |
| Number of hectares covered? 1.5 | |

| | |
|------------------------------------|-----------|
| Weather at start of survey: | |
| Cloud cover: 1/8 | Moon: 0 |
| Wind Direction and speed: N/A | Rain: N/A |
| Temperature (°C): 11.9°C | |
| Comments: Fine + calm | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 - None, 1 = 1/8 Moon, 2 = 1/4 Moon, 4 - Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | B : Fossil/sub-fossil | N : Not located |

| Microhabitat type | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | UR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

Entered
28/6/07
260



Spotlighting Survey Proforma

Spotlight - Ridge

Project #: 4447

Observer: RVB + RMH

Date: 16.4.07

Start: S04
WP 3 GPS 3

Finish: S05*
WP 2 GPS 2

| | | |
|--|--------------------|--------------------|
| Location and timing: | Start S04 | Finish S05 |
| MGA Zone: | Easting 289955 | Easting 289686 |
| | Northing 6194370 | Northing 6193407 |
| | Time (24 h): 23:49 | Time (24 h): 00:36 |
| Map sheet Name: | Map sheet number: | TGA: |
| Location description: Ridge - Luke's Track (500m either side of call playback into Wongacilla dt). Mammals + reptiles. | | |

| | |
|----------------------------------|-----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 5 hr |
| Number of hectares covered? 1 km | |

| | |
|-----------------------------------|--------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: None |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 10.8 | Humidity: 98 |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | | |
|--------------------------|--------------------|----|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In seat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| | | TR | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | E | Nest or roost |
| | | Y | Bones or teeth |
| | | N | Not located |

| | | | |
|--------------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TR | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

Entered
28/6/07
259



Spotlighting Survey Proforma

Ridge - mammals + reptiles

Project #: 4447

Observer: RVB

Date: 20.4.07

| | | |
|--|---------------------------|---------------------------|
| Location and timing | Start S50 | Finish S51 |
| MGA Zone: | Easting <u>238993</u> | Easting <u>239465</u> |
| | Northing <u>619220</u> | Northing <u>619139</u> |
| | Time (24 h): <u>18:06</u> | Time (24 h): <u>19:06</u> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>Fire road 6A east of Swamp 11 entry.</u> | | |

| | |
|--|--|
| Survey Details | |
| Number of surveyors? <u>1</u> | Total effort (person hours)? <u>1 hour</u> |
| Number of hectares covered? <u>1 km transect</u> | |

| | |
|---|---------------------------------|
| Weather at start of survey | |
| Cloud cover: <u>2/8</u> | Moon: <u>None Less than 1/4</u> |
| Wind Direction and speed: <u>Still - light breeze</u> | Rain: <u>None</u> |
| Temperature (°C): <u>15-8</u> | Humidity: <u>80%</u> |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Observation types | | |
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| H : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | N : Nest or roost |
| B : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | L : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Microhabitat Type | | |
| AC : Flying above canopy | B : In burrow | OR : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BL : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | TH : In tree hollow | OW : Over water |
| CL : Crevice in log | L : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TR : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | LT : In live tree | UC : Upper canopy |
| FP : In/on post or stump | W : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

Entered
28/6/07.
258



Spotlighting Survey Proforma

Ridge - mammals + reptiles.

| |
|-----------------|
| Project #: 6442 |
| Observer: JC |
| Date: 19/4/07 |

| | | |
|---|--------------------------|------------------------|
| Location and timing: | Start S32 | Finish S33 |
| MCA Zone: S6 | GPS3 Easting 2 8 8 9 8 8 | Easting 2 8 8 4 8 1 |
| | Northing 6 1 9 2 2 8 5 | Northing 6 1 9 3 1 6 1 |
| | Time (24 h): 18:20 | Time (24 h): 19:20 |
| Map sheet Name: | Map sheet number: | IGA: |
| Location description: Along 6A track (to west) ^{and railway line} from turnoff to Swamp 11 | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 1 | Total effort (person hours)? 1hr |
| Number of hectares covered? 1km | |

| | |
|------------------------------------|--------------------------------|
| Weather at start of survey: | |
| Cloud cover: 8/8 | Moon: Full light, but no moon. |
| Wind Direction and speed: NIL | Rain: NIL |
| Temperature (°C): 14.8°C | 89% |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | T | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| F | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | QB | On beach sand |
| BR | In/on bridge | IC | In cave | QL | On log |
| BD | In building | IG | In grass | OR | On rock |
| CR | Crevice in rock | IR | In tree hollow | OW | Over water |
| EL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FS | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WD | Waterhole |

Entered
28/6/07
257



Spotlighting Survey Proforma

Spotlight - ridge

Project #: 447
 Observer: RVB
 Date: 16/4/07

Frank

| | | | | | |
|---------------------|-------------------|----------|-----|--------------|----------|
| Location and timing | | Start | S01 | Finish | S02 |
| MGA Zone: S6 | Easting | 292477 | | Easting | 292631 |
| GPS 2, wpt 001 | Northing | 61194866 | | Northing | 61194696 |
| | Time (24 h): | 21:35 | | Time (24 h): | 21:50 |
| Map sheet Name: | Map sheet number: | | | LGA: | |

Location description:
 upland swamp off BC, crosses track (ridge site).
 Mammals and reptiles.

Survey Details
 Number of surveyors? 1 Total effort (person hours)? ~~15 min~~ 0 25
 Number of hectares covered? 250m transect

Weather at start of survey
 Cloud cover: 2/8 Moon:
 Wind Direction and speed: N/W Rain:
 Temperature (°C): cool
 Comments: incidental - 1x Red Wattlebird (0) sleeping in tree.

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Q : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | N : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BF : In building | IG : In grass | OR : On rock |
| CR : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TR : ON trunk |
| DT : In dead tree (snag) | IS : In soil | UB : Under bark |
| DW : Edge of water | IT : In live tree | UC : Upper canopy |
| EC : In/on post or stump | IW : In water | UG : Undergrowth |
| FC : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

Entered
28/6/07
256



Spotlighting Survey Proforma

Spotlight - Ridge

| |
|-------------------|
| Project #: 4447 |
| Observer: JC & RM |
| Date: 17/04/07 |

WP

| | | | |
|---|--------------------|--------------------|------------|
| Location and timing | | Start 306 | Finish 507 |
| MGA Zone: 56 | Easting 2888313 | Easting 2888219 | |
| Start WP004, GPS #3 Finish WP005, GPS #3 | Northing 61162278 | Northing 6192271 | |
| | Time (24 h): 01:00 | Time (24 h): 01:30 | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Swamp 11 - Ridge adjacent to upland Mammals + reptiles. ^{swamp} | | | |

| | |
|--|-------------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 1 hour |
| Number of hectares covered? 5.00m transect | |

| | |
|------------------------------|--------------|
| Weather at start of survey | |
| Cloud cover: 8/8 (mist) | Moon: ? |
| Wind Direction and speed: NW | Rain: NIL |
| Temperature (°C): 10.7 | Humidity 98% |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 = None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| | | F | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | E | Nest or roost |
| | | B | Bones or teeth |
| | | N | Not located |

| | | | |
|-------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CR | Crevice in rock | IH | In tree hollow |
| CB | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RO | On road |
| | | TR | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

Entered
28/6/07
ZSS



BIOSIS

Spotlighting Survey
Proforma on foot.

Ridge site.

Project #: 4447

Observer: JC, Ruby

Date: 21-4-07

| | | | | | |
|---------------------|-------------------|----------|--------------|----------|------|
| Location and timing | | Start | S61 | Finish | S62. |
| MGA Zone: | Easting | 289260 | Hasting | 288609 | |
| | Northing | 61913987 | Northing | 61193220 | |
| | Time (24 h): | 18:32 | Time (24 h): | 19:02 | |
| Map sheet Name: | Map sheet number: | LGA: | | | |

Location description:
Transect along seismic line off 6A towards Donald's castle Ck (transect surveyed on way back to car).

| | | | | |
|-----------------|-----------------------------|-----|------------------------------|-----|
| Survey Details: | Number of surveyors? | 2 | Total effort (person hours)? | 1hr |
| | Number of hectares covered? | 1km | | |

| | | | |
|-----------------------------|--------|-------|------|
| Weather at start of survey: | | | |
| Cloud cover: | 0/8 | Moon: | 1/4 |
| Wind Direction and speed: | Still | Rain: | None |
| Temperature (°C): | 21.5°C | | |
| Comments: | | | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2 Moon, 4= Full
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Observation types: | | | |
|--------------------|--------------------|----------|----------------------|
| D | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | E | Fossil/sub-fossil |
| | | F | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | N | Nest or roost |
| | | B | Bones or teeth |
| | | N | Not located |

| Microhabitat Type | | | |
|-------------------|----------------------|-----------|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BL | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TR | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

NB: WPT 270 = drainage line

S269 → S271 Sp. mammal - Rain
Reptile Fox

Entered
23/6/07
254



Spotlighting Survey Proforma

Project #: 4447
 Observer: KJC
 Date: 20/04/07

| | | |
|--|--------------------|--------------------|
| Location and timing | 269 Start | 271 Finish |
| MGA Zone: 56 G5#4 | Easting 291164 | Easting 291047 |
| | Northing 01191328 | Northing 0110951 |
| | Time (24 h): 17:50 | Time (24 h): 18:20 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Woronville Creek - Northern Section of Raintree Spotlight from CP site upstream for 400m | | |

| | |
|---|----------------------------------|
| Survey Details | |
| Number of surveyors? 1 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 400m ² +/- | |

| | |
|-----------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 0 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 16.1 (d) | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

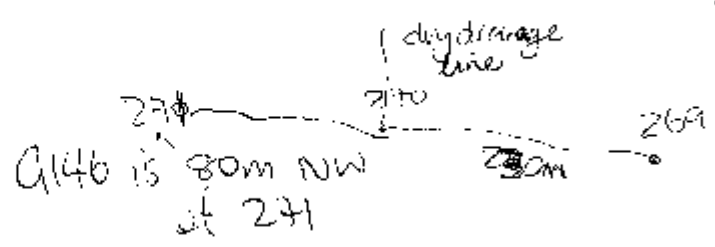
| | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | F | Fossil/sub-fossil | N | Not located |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OD | On log |
| BL | In building | IG | In grass | OR | On rock |
| CR | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

| Species | Obs. type | Habitat type | Number | Easting | Northing | Accuracy |
|-----------------|-----------|--------------|--------|---------|----------|----------|
| Sugar Cuckoo | H | - | (2) | | | |
| Southern Boubou | H | - | (1) | | | |
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269 →
 Sankook 4
 (vine) 4
 25m
 until cut
 25m
 25m

wpt 270
 = 29105
 99122
 Q146 is 160m
 SW of 270



Not entered!
28/6/07

S269 → ?

SP - mammal / - Raptor
Reptile



Spotlighting Survey Proforma

| |
|-----------------|
| Project #: 4447 |
| Observer: NEO |
| Date: 20/24/07 |

| | | |
|---------------------|-------------------|--------------|
| Location and timing | 269 Start | ? Finish |
| MGA Zone: 56 CP#4 | Easting 291164 | Easting |
| | Northing 6191328 | Northing |
| | Time (24 h): | Time (24 h): |
| Map sheet Name: | Map sheet number: | LGA: |

Could not take finish. Waypoint not reached

Location description: Waypoint creek - northern end of rainforest. Transect runs from CP site down stream for 250m. At 250, is a large escarpment drop so couldn't get any further.

| | |
|--|----------------------------------|
| Survey Details | |
| Number of surveyors? 1 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 250m transect downstream | |

| | |
|-----------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): ca 16.0 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | | |
|--------------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| S | In scat | C | Cat kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| E | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | N | Not located |
| N | Nest or roost | | |
| B | Bones or teeth | | |

| | | | |
|--------------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CR | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | OR | On rock |
| OL | On log | OW | Over water |
| OD | On road | OT | On trunk |
| UB | Under bark | UC | Upper canopy |
| UG | Undergrowth | UL | Under log |
| UR | Under rock | WH | Waterhole |

Entered
28/6/07
ZES

S234 → S232 SP-mammals/ - Rainforest
Reptiles



Spotlighting Survey Proforma

| |
|---------------------|
| Project #: 4447 |
| Observer: KJC + NEO |
| Date: 18/04/07 |

| | | |
|--|--------------------|--------------------|
| Location and timing | Map: 234 Start | Map: 232 Finish |
| MGA Zone: 56 UTM # 4 | Easting 290991 | Easting 290952 |
| | Northing 6190801 | Northing 6190605 |
| | Time (24 h): 19-35 | Time (24 h): 20-35 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Kongonichi creek - Rainforest (Same transect as Frog spotlight transect) | | |

| | |
|----------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 2.0 |
| Number of hectares covered? 200m | |

| | |
|-----------------------------|----------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: 0 |
| Wind Direction and speed: 2 | Rain: NA |
| Temperature (°C): | |
| Comments: | |

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------|----------------------|-------------------------|
| Observation types | | |
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | E: Nest or roost |
| H: Hair or leathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | G: Fossil/sub-fossil | N: Not located |

| | | |
|--------------------------|--------------------|-------------------|
| Microhabitat Type | | |
| AC: Flying above canopy | IB: In burrow | OB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BL: In building | IG: In grass | OR: On rock |
| CR: Crevice in rock | IH: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| DA: Dam/fire dam | IR: In reeds | TR: ON trunk |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| FC: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |

Entered
28/6/07
252



Spotlighting Survey Proforma
on foot - Gully

| |
|--------------------|
| Project #: 4447 |
| Observer: AKR + JC |
| Date: 5-6-07 |

| | | |
|--|--------------------|------------------------------|
| Location and timing | Start S807 | Finish S808 |
| MGA Zone: APS 5 | Easting 290150 | Easting 290638 |
| | Northing 6190514 | Northing 6190495 |
| | Time (24 h): 21:37 | Time (24 h): 22:07 (30 mins) |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Flagged path to rainforest from Fire Rd 6A. | | |

| | |
|----------------------------------|---|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 1hr (p.h.) |
| Number of hectares covered? 500m | |

| | |
|-----------------------------------|--|
| Weather at start of survey | |
| Cloud cover: 1/8 | Moon: Almost full, sitting above horizon |
| Wind direction and speed: Still | Rain: None |
| Temperature (°C): 5°C | Humidity: 92% apparently. |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0-None, 1-¼ Moon, 2-½ Moon, 4-Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| E | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | N | Not located |
| N | Nest or roost | | |
| B | Bones or teeth | | |

| Microhabitat type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | IB | In burrow |
| RR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevise in rock | IH | In tree hollow |
| CL | Crevise in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | OB | On beach sand |
| OL | On log | OR | On rock |
| OW | Over water | OT | On trunk |
| RD | On road | UB | Under bark |
| TR | ON trunk | UC | Upper canopy |
| UB | Under bark | UG | Undergrowth |
| UC | Upper canopy | UL | Under log |
| UG | Undergrowth | UR | Under rock |
| UL | Under log | WH | Waterhole |
| UR | Under rock | | |
| WH | Waterhole | | |

Entered
28/6/07
251



BIOSIS

Spotlighting Survey Proforma

on foot - Gully

| |
|--------------------|
| Project #: 4447 |
| Observer: JC + AKR |
| Date: 6.6.07 |

| | | |
|---|--------------------|-----------------------------|
| Location and timing: | Start S838 | Finish S839 |
| MGA Zone: GPS S | Easting 290940 | Easting 290995 |
| | Northing 6197345 | Northing 6197131 |
| | Time (24 h): 23:58 | Time (24 h): 00:14 (16mins) |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Wongawilli Creek from Fire Rd 6. | | |

| | |
|----------------------------------|---------------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 32 mins. |
| Number of hectares covered? 200m | |

| | |
|---------------------------------|---------------|
| Weather at start of survey: | |
| Cloud cover: 6/8 | Moon: 3/4 |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 7.6 | Humidity: 68% |

Comments:

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|---------------------------------------|--------------------|---------------------------------------|-------------------|---------------------------------------|----------------------|
| Observation types | | | | | |
| <input checked="" type="checkbox"/> O | Observed (sighted) | <input checked="" type="checkbox"/> R | Road kill | <input checked="" type="checkbox"/> T | Tracks, scratching |
| <input checked="" type="checkbox"/> W | Heard call | <input checked="" type="checkbox"/> D | Dog kill | <input checked="" type="checkbox"/> Z | In raptor/owl pellet |
| <input checked="" type="checkbox"/> X | In scat | <input checked="" type="checkbox"/> C | Cat kill | <input checked="" type="checkbox"/> M | Miscellaneous |
| <input checked="" type="checkbox"/> T | Trapped or netted | <input checked="" type="checkbox"/> F | Fox kill | <input checked="" type="checkbox"/> E | Nest or roost |
| <input checked="" type="checkbox"/> H | Hair or feathers | <input checked="" type="checkbox"/> S | Shot | <input checked="" type="checkbox"/> Y | Bones or teeth |
| <input checked="" type="checkbox"/> A | Stranded/beached | <input checked="" type="checkbox"/> I | Fossil/sub-fossil | <input checked="" type="checkbox"/> N | Not located |

| | | | | | |
|--|----------------------|--|----------------|--|---------------|
| Microhabitat Type | | | | | |
| <input checked="" type="checkbox"/> AC | Flying above canopy | <input checked="" type="checkbox"/> IB | In burrow | <input checked="" type="checkbox"/> OB | On beach sand |
| <input checked="" type="checkbox"/> BR | In/on bridge | <input checked="" type="checkbox"/> IC | In cave | <input checked="" type="checkbox"/> OL | On log |
| <input checked="" type="checkbox"/> BU | In building | <input checked="" type="checkbox"/> IG | In grass | <input checked="" type="checkbox"/> OR | On rock |
| <input checked="" type="checkbox"/> CK | Crevice in rock | <input checked="" type="checkbox"/> IH | In tree hollow | <input checked="" type="checkbox"/> OW | Over water |
| <input checked="" type="checkbox"/> CL | Crevice in log | <input checked="" type="checkbox"/> IF | In fitter | <input checked="" type="checkbox"/> RD | On road |
| <input checked="" type="checkbox"/> DA | Farm/site dam | <input checked="" type="checkbox"/> IR | In reeds | <input checked="" type="checkbox"/> TR | ON trunk |
| <input checked="" type="checkbox"/> DI | In dead tree (stag) | <input checked="" type="checkbox"/> IS | In soil | <input checked="" type="checkbox"/> UB | Under bark |
| <input checked="" type="checkbox"/> EW | Edge of water | <input checked="" type="checkbox"/> IL | In live tree | <input checked="" type="checkbox"/> UC | Upper canopy |
| <input checked="" type="checkbox"/> FC | In/on post or stump | <input checked="" type="checkbox"/> IW | In water | <input checked="" type="checkbox"/> UG | Undergrowth |
| <input checked="" type="checkbox"/> FL | Flying within canopy | <input checked="" type="checkbox"/> LC | Lower canopy | <input checked="" type="checkbox"/> UL | Under log |
| <input checked="" type="checkbox"/> GR | On ground | <input checked="" type="checkbox"/> LS | Low shrub | <input checked="" type="checkbox"/> UR | Under rock |
| <input checked="" type="checkbox"/> HS | High shrub | <input checked="" type="checkbox"/> MC | Mid canopy | <input checked="" type="checkbox"/> WH | Waterhole |

Not entered
28/6/07

SP - mammal - Gully
(bat) rep



Spotlighting Survey Proforma

| |
|---------------------|
| Project #: 4447 |
| Observer: KJC + TAP |
| Date: 6/6/07 |

| | | |
|--|--------------------|--------------------|
| Location and timing | 716 Start | 717 Finish |
| MGA Zone: 5b CP# 7 | Easting 292927 | Easting 292999 |
| | Northing 6192595 | Northing 6192695 |
| | Time (24 h): 01.40 | Time (24 h): 01.46 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Gully - on transect which starts to W off bf near S15B. YO7B? Gully transect leads to creek + can hear water fall (could it be bottom of S15B?) | | |

| | |
|----------------------------------|---|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.2 0.2 |
| Number of hectares covered? 200m | |

| | |
|-----------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 0 | Moon: 4 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 16.5 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - ¼ Moon, 2 - ½ Moon, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | T | Tracks, scratching |
| H | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| S | In seat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | F | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | F | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CR | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FP | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GS | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

* entered in effort spreadsheet as:

712 → 711 → 706

SP - mam/rep - Gully
(foot)

Not entered
28/6/07



Spotlighting Survey Proforma

| |
|---------------------|
| Project #: 11447 |
| Observer: KJC + TAP |
| Date: 5/6/07 |

11/6 at 23.20
7h

712 =
291953/
6192356

| | | |
|---|-------------------------|-------------------------|
| Location and timing | 711 Start | 712 Finish |
| MGA Zone: | Easting <u>291953</u> | Easting <u>291953</u> |
| | Northing <u>6192356</u> | Northing <u>6192356</u> |
| | Time (24 h): 23.20 | Time (24 h): 23.40 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: YJ7G? Transect on foot along track to end of track (712) and then 711 → 706 Gully | | |

| | |
|---|--|
| Survey Details | |
| Number of surveyors? <u>2</u> | Total effort (person hours)? <u>0.66</u> |
| Number of hectares covered? <u>600m</u> | |

| | |
|---|------------------|
| Weather at start of survey | |
| Cloud cover: <u>0</u> | Moon: <u>4</u> |
| Wind Direction and speed: <u>0</u> | Rain: <u>Nil</u> |
| Temperature (°C): <u>Cold!</u> | |
| Comments: Transect = 711 → 712 & 711 → 706 | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | | | | |
|--------------------------|--------------------|---|-------------------|----|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | TR | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| H | Hair or leathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | F | Fossil/sub-fossil | N | Not located |

| | | | | | |
|--------------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| EG | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Water-hole |

Entered
28/6/07
HJS 250

SP - man - Anting
(Gost)



Spotlighting Survey Proforma

| |
|--------------------------|
| Project #: <u>4447</u> |
| Observer: <u>JC, JAP</u> |
| Date: <u>6/6/07</u> |

| | | |
|---|---------------------------|---------------------------|
| Location and timing | 720 Start | 721 Finish |
| MGA Zone: | Easting <u>293981</u> | Easting <u>293832</u> |
| | Northing <u>61192576</u> | Northing <u>61192450</u> |
| | Time (24 h): <u>18:10</u> | Time (24 h): <u>18:19</u> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>D98A</u> <u>Seismic survey bc (KFA?). Trace runs parallel to Sandy Creek and ends just before a creek.</u> <u>Transect runs 720 → 722 (at creek) → 721 (721 is intersection with Y07A)</u> | | |

| | |
|---|---|
| Survey Details | |
| Number of surveyors? <u>2</u> | Total effort (person hours)? <u>0.5</u> |
| Number of hectares covered? <u>300m</u> | |

| | |
|------------------------------------|------------------|
| Weather at start of survey | |
| Cloud cover: <u>2/8</u> | Moon: <u>4</u> |
| Wind Direction and speed: <u>0</u> | Rain: <u>Nil</u> |
| Temperature (°C): <u>24.0</u> | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Observation types | | |
| O : Observed (sighted) | R : Road kill | F : Tracks, scorching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | F : Fossil/sub-fossil | N : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Microhabitat Type | | |
| AC : Flying above canopy | JB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OD : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fine dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | S : In soil | TB : Under bark |
| EW : Edge of water | IT : In live tree | TC : Upper canopy |
| PC : In/on post or stump | IW : In water | DG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

Not Entered
28/6/07
MJS

SP - mantkep - Cruller
foot



Spotlighting Survey Proforma

| |
|---------------------|
| Project #: 4147 |
| Observer: KJC + Tap |
| Date: 5/6/07 |

| | | | | |
|---|-------------------|----------|--------------|----------|
| Location and timing | SS05 | Start | 6:05 | Finish |
| MGA Zone: | Easting | 292377 | Easting | 292645 |
| | Northing | 12191764 | Northing | 12192134 |
| | Time (24 h): | 20:30 | Time (24 h): | 21:15 |
| Map sheet Name: | Map sheet number: | LGA: | | |
| Location description: Foot-transsect along seismic Y07C - from SS05 NE along NW side of S15A. Seismic ends at rock boulders (ridge area) | | | | |

X702 =
swampy area
2 sections
0.1 km variable
SS05 - 702 - 10 mins
140m

| | |
|----------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 1.5 |
| Number of hectares covered? 740m | |

X703 = end of
seismic (close
to S15A) side of
swamp
702 = 703 (S)
= 50m

| | |
|---|-----------|
| Weather at start of survey | |
| Cloud cover: 7/8 | Moon: 4 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): cold | |
| Comments: Transect runs along NW side of S15A. SS05 → 702 → 703 / 702 (top around swamp) → 704 → 705 (side of ridge) see. vege map for detail | |

X704 = start of
white pgs on
other side of
swamp

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = 1/8 Moon, 2 = 2/8 Moon, 4 = Full
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|----|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | DK | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Vox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | B | Bones or teeth |
| A | Stranded/beached | T | Possil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BL | In building | IG | In grass | OR | On rock |
| CR | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | ON trunk |
| DI | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IM | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

Entered
28/6/07
MSS 249

SP-Mammal / - Amphib
Reptile



**Spotlighting Survey
Proforma**

| |
|---------------------|
| Project #: 4447 |
| Observer: KJC + DCA |
| Date: 14/05/07 |

| | | |
|--|--------------------|--------------------|
| Location and timing | SS40 Start | SS36 Finish |
| MGA Zone: 56 | Easting 292593 | Easting 292495 |
| | Northing 6192792 | Northing 6192448 |
| | Time (24 h): 19.00 | Time (24 h): 20.00 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: In gully habitat adjacent to Swamp 15 B. From SS40 along side of swamp to top of swamp to SS38 and then (loop) back to vehicle (SS36) | | |

| | |
|-----------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 2.0 |
| Number of hectares covered? | |

| | |
|-----------------------------------|---------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: No moon |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 10 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|--------------------------|----------------------|-------------------------|
| Observation types | | |
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | E: Nest or roost |
| H: Hair or feathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | I: Fossil/sub-fossil | N: Not located |

| | | |
|--------------------------|--------------------|-------------------|
| Microhabitat Type | | |
| AC: Flying above canopy | BB: In burrow | OB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CK: Crevice in rock | IB: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| DA: Farm/fire dam | IR: In reeds | TK: ON trunk |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | LI: In live tree | UC: Upper canopy |
| FP: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |

230m 200m, direct
 544 → 505 : 200m

SP - Mammal / - Gully
 Reptile

Entered
 28/6/07
 MSS 248



Spotlighting Survey Proforma

| |
|---------------------|
| Project #: 4447 |
| Observer: KJC + DCG |
| Date: 14/05/07 |

| | | |
|--|--------------------------------------|--------------------------------------|
| Location and timing | S544 Start | S544 Finish S542 |
| MGA Zone: | Easting 2 9 2 6 0 8 | Easting 2 9 2 1 2 9 |
| | Northing 6 1 9 1 7 2 6 | Northing 6 1 9 1 4 6 5 |
| | Time (24 h): 21-20 | Time (24 h): 22-00 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Transect in sections: 1. S542 → S542 20mins 2. S544 → S545 → S546 → S543 → S505 | | |
| Gully near S15A: along western side of Swamp | | |

⊕
 20:00
 -20:20
 (20 mins)

| | |
|--|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 2-0 |
| Number of hectares covered? approx 1km | |

| | |
|-----------------------------|---------------|
| Weather at start of survey: | |
| Cloud cover: 1/8 | Moon: No Moon |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 8°C | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 = None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | JG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Farm/fire dam | IR : In reeds | TR : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

Bintereed
28/6/07
257

SPS (ambot)
S169 - S167 - SP - Mammal - Gully



Spotlighting Survey Proforma

Mammal Spotlight

Project #: 4447
Observer: NEO, MV
Date: 21.04.07

| | | |
|--|---------------------------|------------------------------|
| Location and timing: | WPT 13 Start S169 | WPT 10 Finish S167 |
| MGA Zone: | Fasting 2 3 8 8 6 2 | Fasting 2 8 8 8 6 7 |
| | Northing 6 1 9 0 2 1 | Northing 6 1 9 0 1 2 0 |
| | Time (24 h): 2150 | Time (24 h): 2220 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: NW of P20 Arrow Trub → along track down to dam | | |

| | |
|----------------------------------|----------------------------------|
| Survey Details: | |
| Number of surveyors? 2 | Total effort (person hours)? 14x |
| Number of hectares covered? 1 km | |

| | |
|---|------------------|
| Weather at start of survey: | |
| Cloud cover: 2/8 | Moon: 1/4 |
| Wind Direction and speed: 0 | Rain: 0 |
| Temperature (°C): 17°C | Humidity: 60-70% |
| Comments: cool, calm, slight lightning. | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, searching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BB | In/on bridge | IC | In cave | OL | On log |
| BP | In building | IG | In grass | OR | On rock |
| CR | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Dam/fire dam | IR | In reeds | TR | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EA | Edge of water | IT | In live tree | UC | Upper canopy |
| IC | In/on post or stump | IW | In water | UG | Undergrowth |
| IL | llying within canopy | LC | Lower canopy | UL | Under log |
| GB | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

Not Entered
28/6/07

S321 → Sp mammal / - Gully
reptile
S320 (on foot)



**Spotlighting Survey
Proforma**

| |
|---------------------|
| Project #: 4447 |
| Observer: KJC + N60 |
| Date: 23/04/07 |

| | | |
|---|------------------------|------------------------|
| Location and timing | S321 Start | S320 Finish |
| MGA Zone: 50 APS#4 | Fasting 2 9 3 8 8 3 | Fasting 2 9 3 9 6 8 |
| | Northing 6 1 9 1 4 0 2 | Northing 6 1 9 1 3 0 5 |
| | Time (24 h): 21.00 | Time (24 h): 21.15 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Waratah ck - spotlight alongside ck from end of log transect up stream to bc/waratah crossing | | |

| | |
|----------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 200m | |

| | |
|-----------------------------------|-------------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: ? |
| Wind Direction and speed: 1 | Rain: vrain |
| Temperature (°C): 20.5 | |

Comments:
Didn't extend spotlight onto Sandy ck as weather
conditions not good + N60 spotlight low on battery

Cloud cover: Record cover in eight of sky
Moon: Record using the following codes: 0=none, 1=1/4 Moon, 2=1/2 Moon, 4=Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Observation types | | |
| O : Observed (sighted) | R : Road kill | T : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Car kill | M : Miscellaneous |
| T : Trapped or netted | F : Fox kill | N : Nest or roost |
| H : Hair or feathers | S : Shot | B : Bones or teeth |
| A : Stranded/beached | F : Fossil/sub-fossil | N : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Micronhabitat Type | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Farm/fire dam | IR : In reeds | TR : ON trunk |
| DF : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FG : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

Entered
28/6/07
256

S280 → S279 SP-mammal/-Cully
Reptile
(outlet)



Spotlighting Survey Proforma

| |
|-----------------|
| Project #: 4447 |
| Observer: KJC ✓ |
| Date: 20/04/07 |

| | |
|---|-------------------------|
| Location and timing: 280 ^r Start | 279 ^r Finish |
| MCA Zone: 56 GPS# 4 Easting 2 9 3 9 3 2 | Easting 2 9 3 8 8 2 |
| Northing 6 1 9 0 9 4 3 | Northing 6 1 9 1 7 8 8 |
| Time (24 h): 22-05 | Time (24 h): 26-05 |
| Map sheet Name: | Map sheet number: LGA: |
| Location description: Spotlight on foot along bc. Possibly ridge habitat for 1st 220m then gully. Transect runs 280 (170m SE of G199) towards Sandy creek (low dy.) | |

| | |
|---|----------------------------------|
| Survey Details: | |
| Number of surveyors? 1 | Total effort (person hours)? 1-0 |
| Number of hectares covered? 1 km transect | |

| | |
|-----------------------------|-----------|
| Weather at start of survey: | |
| Cloud cover: 0/8 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): Cold! | |
| Comments: Cold still night. | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 = None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|----------------------------|--------------------|----------------------------|----------------------|
| <input type="checkbox"/> O | Observed (sighted) | <input type="checkbox"/> R | Road kill |
| <input type="checkbox"/> W | Heard call | <input type="checkbox"/> D | Dog kill |
| <input type="checkbox"/> X | In scat | <input type="checkbox"/> C | Cat kill |
| <input type="checkbox"/> T | Trapped or netted | <input type="checkbox"/> V | Fox kill |
| <input type="checkbox"/> H | Hair or feathers | <input type="checkbox"/> S | Shot |
| <input type="checkbox"/> A | S. randed/beached | <input type="checkbox"/> F | Fossil/sub-fossil |
| | | <input type="checkbox"/> E | Tracks, scratching |
| | | <input type="checkbox"/> Z | In raptor/owl pellet |
| | | <input type="checkbox"/> M | Miscellaneous |
| | | <input type="checkbox"/> N | Nest or roost |
| | | <input type="checkbox"/> B | Bones or teeth |
| | | <input type="checkbox"/> L | Not located |

| Microhabitat Type | | | |
|-----------------------------|----------------------|-----------------------------|----------------|
| <input type="checkbox"/> AC | Flying above canopy | <input type="checkbox"/> IB | In burrow |
| <input type="checkbox"/> BR | In/on bridge | <input type="checkbox"/> IC | In cave |
| <input type="checkbox"/> BU | In building | <input type="checkbox"/> IG | In grass |
| <input type="checkbox"/> CK | Crevice in rock | <input type="checkbox"/> IH | In tree hollow |
| <input type="checkbox"/> CL | Crevice in log | <input type="checkbox"/> IL | In litter |
| <input type="checkbox"/> DA | Farm/lire dam | <input type="checkbox"/> IR | In reeds |
| <input type="checkbox"/> DT | In dead tree (stag) | <input type="checkbox"/> IS | In soil |
| <input type="checkbox"/> EW | Edge of water | <input type="checkbox"/> IT | In live tree |
| <input type="checkbox"/> FC | In/on post or stump | <input type="checkbox"/> IW | In water |
| <input type="checkbox"/> FL | Flying within canopy | <input type="checkbox"/> LC | Lower canopy |
| <input type="checkbox"/> GR | On ground | <input type="checkbox"/> LS | Low shrub |
| <input type="checkbox"/> HS | High shrub | <input type="checkbox"/> MC | Mid canopy |
| | | <input type="checkbox"/> OB | On beach sand |
| | | <input type="checkbox"/> OL | On log |
| | | <input type="checkbox"/> OR | On rock |
| | | <input type="checkbox"/> OW | Over water |
| | | <input type="checkbox"/> RD | On road |
| | | <input type="checkbox"/> TR | ON trunk |
| | | <input type="checkbox"/> UB | Under bark |
| | | <input type="checkbox"/> UC | Upper canopy |
| | | <input type="checkbox"/> UG | Undergrowth |
| | | <input type="checkbox"/> UL | Under log |
| | | <input type="checkbox"/> UR | Under rock |
| | | <input type="checkbox"/> WH | Waterhole |

Entered
28/6/07
255

S279 → S278

Sp-mammal - Cully
Roopie
(on bet)



Spotlighting Survey Proforma

Project #: 4447

Observer: ~~NEO~~ ~~SE~~

Date: 20.04.07

| | | |
|---|--------------------|--------------------|
| Location and timing: | 279 Start | 278 Finish |
| MGA Zone: | Easting 293882 | Easting 293932 |
| | Northing 6191788 | Northing 6190943 |
| | Time (24 h): 10.20 | Time (24 h): 11.20 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: Fire Trail 6C Gully - Fern tree Creek Crossing towards Sandy creek bridge | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 1 | Total effort (person hours)? 1hr |
| Number of hectares covered? 1km | |

| | |
|--|---------|
| Weather of start of survey | |
| Cloud cover: 0 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: 0 |
| Temperature (°C): cool / KCS = cold !! | |
| Comments: As other nights still, cool, clear sky, no wind. | |

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0 - None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | | |
|--------------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In sea | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or leathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| B | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | E | Nest or roost |
| Y | Bones or teeth | N | Not located |

| | | | |
|--------------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Fern/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | OR | On rock |
| OL | On log | OW | Over water |
| RD | On road | TR | ON trunk |
| UB | Under bark | UC | Upper canopy |
| UG | Undergrowth | UL | Under log |
| UR | Under rock | WH | Waterhole |

Entered 28/10/07
254

S241 → S242 Sp - Macromys / Rophtes - Gully
(on foot)



Spotlighting Survey Proforma

Project #: 4442
Observer: NEO
Date: 19/04/07

| | | | |
|---|-----------------------|---------------------------|--|
| Location and timing: (apt = 241) Start | | (apt = 242) Finish | |
| MGA Zone: 56 S95E2 | Easting: 2 0 7 3 1 | Easting: 2 9 9 5 4 | |
| | Northing: 6 1 7 4 0 2 | Northing: 6 1 3 3 8 8 6 | |
| | Time (24 h): 21:30 | Time (24 h): 21:30 | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Wangajulu Creek - middle section Gully habitat. Spotlight starts at fog cell phone mast S.E. and heads upstream | | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? | Total effort (person hours)? 1hr |
| Number of hectares covered? 2.5 | |

| | |
|------------------------------------|---------|
| Weather at start of survey: | |
| Cloud cover: 2/3 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: 0 |
| Temperature (°C): 14.7 °C | 9:0% |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|--------------------------|----------------------|-------------------------|
| Observation types | | |
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | E: Nest or roost |
| H: Hair or feathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | I: Fossil/sub-fossil | N: No; located |

| | | |
|--------------------------|--------------------|-------------------|
| Microhabitat Type | | |
| AC: Flying above canopy | IB: In burrow | OB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CK: Crevice in rock | HI: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| DA: Farm/fire dam | IR: In reeds | TR: ON trunk |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| FC: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MO: Mid canopy | WH: Waterhole |

14 MAY 2007

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447



Spotlighting Survey Proforma

Project #: 4447
Observer: RUB + JC
Date: 17.4.07

Spotlight - gully.

| | | |
|--|--|---------------------------------------|
| Location and timing | Start S19 | Finish S20 |
| MGA Zone: | Fasting 2901065 | Fasting 2891657 |
| | Northing 6193445 | Northing 6192585 |
| | Time (24 h): person: 23:25 2prop 00:04 | Time (24 h): person: 23:55 2ppt 00:19 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Lukes track near x03. Gully site. Mammals + reptiles. | | |

| | |
|----------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 1 | Total effort (person hours)? 1hr |
| Number of hectares covered? 1 km | |

| | |
|-----------------------------------|---------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: None |
| Wind Direction and speed: still | Rain: None |
| Temperature (°C): 11.8 | Humidity: 91% |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|--------------------------|----------------------|-------------------------|
| Observation types | | |
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | E: Nest or roost |
| H: Hair or feathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | I: Fossil/sub-fossil | N: Not located |

| | | |
|--------------------------|--------------------|-------------------|
| Microhabitat Type | | |
| AC: Flying above canopy | IB: In burrow | OB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water |
| CL: Crevice in log | IJ: In litter | RD: On road |
| DA: Dam/fire dam | IR: In reeds | TR: ON trunk |
| DE: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| IG: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |

ENTERED
146

14 MAY 2007



Spotlighting Survey Proforma

BIOSIS

GULLY MAMMAL SPOTLIGHT

| |
|--------------------|
| Project #: 4447 |
| Observer: JC & RUB |
| Date: 23/4/07 |

| | | |
|---------------------|--------------------|--------------------|
| Location and timing | Start 575 | Finish 574 |
| MGA Zone: 56 | Easting 292510 | Easting 292422 |
| | Northing 6195755 | Northing 6195633 |
| | Time (24 h): 20:32 | Time (24 h): 21:02 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description: Drainage line of 56 under power line easement, heads towards Lake Cordair.

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 4hr |
| Number of hectares covered? 50m | |

| | |
|---|---------------|
| Weather at start of survey | |
| Cloud cover: 7/8 | Moon: Half |
| Wind Direction and speed: Recp in 420 wps | Rain: showers |
| Temperature (°C): 13.2 | H: 92% |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Q : Observed (sighted) | R : Road kill | P : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Microlabial Type | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IG : In cave | OL : On log |
| BU : In building | IC : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Farn/fire dam | IR : In reeds | TR : ON trunk |
| DI : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| EC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |



14 MAY 2007

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Spotlighting Survey Proforma

BIOSIS

GULLY MAMMAL and reptile SPOTLIGHT

Project #: 4447
 Observer: JC & RUB
 Date: 22/4/07

| | | |
|---|--------------------|--------------------|
| Location and timing: Start 570 Finish 571 | Start 570 | 571 Finish 571 |
| MGA Zone: SG | Fasting 289486 | Fasting 289784 |
| 568 (289669, 6194240) | Northing 61194587 | Northing 61194239 |
| | Time (24 h): 22:30 | Time (24 h): 23:10 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description: Along Donald's castle creek entrance via Luke's track, same stretch of creek as frog stream search 568-570.

Survey Details

| | |
|----------------------------------|--|
| Number of surveyors? 2 | Total effort (person hours)? 1 hr 40 min |
| Number of hectares covered? 500m | |

Weather at start of survey:

| | |
|-------------------------------|---------------------|
| Cloud cover: 8/8 | Moon: dim moonlight |
| Wind Direction and speed: NIL | Rain: NIL |
| Temperature (°C): 14°C | H: 9/11 |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Car kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | J | Fossil/sub-fossil |
| | | K | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | E | Nest or roost |
| | | B | Bones or teeth |
| | | N | Not located |

| Microhabitat Type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TK | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

19 4 MAY 2007

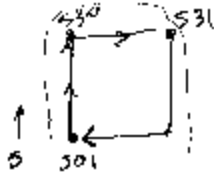
ENTERED



Spotlighting Survey Proforma

Upland swamp

| |
|-----------------|
| Project #: 4447 |
| Observer: RVB |
| Date: 19-4-07 |



S30:
292 482,
619 4669

| Location and timing | Start | Finish |
|---------------------|------------------------------------|---|
| MGA Zone: S6 APS3 | Hasting ^{S01} 2 9 2 4 7 7 | Easting ^{S31} 2 9 2 3 8 8 <i>see diagram</i> |
| | Northing 6 1 9 4 8 6 6 | Northing 6 1 9 4 7 2 4 |
| | Time (24 h): 1:03 | Time (24 h): 2:03 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:

Upland swamp - south side of Fire Road 6C.
Mammals + reptiles.

| Survey Details | |
|----------------------------------|--------------------------------|
| Number of surveyors? 1 | Total effort (person hours)? 1 |
| Number of hectares covered? 500m | |

| Weather at start of survey | |
|---------------------------------|---------------|
| Cloud cover: 0/8 | Moon: None |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 6.7 | Humidity: 90% |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | Y Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | B Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

| Microhabitat Type | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | AB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | HL In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RO On road |
| DA Farm/fire dam | IR In reeds | TC ON trunk |
| DI In dead tree (slag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FP In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

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14 MAY 2007

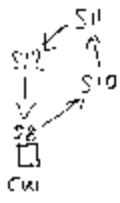


Spotlighting Survey
Proforma

Project #: 4447

Observer: RVB

Date: 17-4-07



Upland Swamp

Location and timing: Start S8 - S10 - S11 - S12 Finish

MGA Zone: 58 Easting 288593 Easting 288638 S12

Northing 6192269 Northing 6192465

Time (24 h): 18:46 Time (24 h): 19:28

Map sheet Name: Map sheet number: LGA:

Location description:
Swamp 11 - upland swamp spotlight. Mammal + reptiles.
S10: (288727, 6192343), S11

Survey Details:

Number of surveyors? 1 Total effort (person hours)? 42 mins

Number of hectares covered? Approx. 500m

Weather at start of survey:

Cloud cover: 0/8 Moon: None

Wind Direction and speed: S-Hill Rain: None

Temperature (°C): 13.2°C Humidity: 89%

Comments:

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2 Moon, 4=Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| S | In scat | C | Cat kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | Y | Fossil/sub-fossil |
| | | N | Not located |
| | | E | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | B | Nest or roost |
| | | X | Bones or teeth |

| Microhabitat Type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CR | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | ML | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TR | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

S10 = 288727/6192343
 S11 = 288771/6192371

ENTERED
142

14 MAY 2007



Spotlighting Survey Proforma
UPLAND SWAMP

Project #: 4447

Observer: NEO

Date: 21/4/07

changed to 577
← sand 45
565
GPS #2

~~Spotlighting~~ MAMMAL SPOTLIGHT

| | | |
|---|--------------------|--------------------|
| Location and timing | Start 513 | Finish 564 |
| MGA Zone: 56 | Easting 21897671 | Easting 21898011 |
| | Northing 60926716 | Northing 6092708 |
| | Time (24 h): 21:36 | Time (24 h): 21:54 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Peanut Swamp - off Luke's Track. | | |

| | |
|---------------------------------|-------------------------------------|
| Survey Details | |
| Number of surveyors? 1 | Total effort (person hours)? 18mins |
| Number of hectares covered? 70m | |

| | |
|-----------------------------------|---------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: None |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 10.9 | Humidity: 91% |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes. 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------------|----------------------------|-------------------------------|
| Observation types | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| H Heard call | D Dog kill | P In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | B Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat Type | | |
| AC Flying above canopy | UB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR Or rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TK On trunk |
| DE In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

14 MAY 2007

ENTERED



Spotlighting Survey Proforma

Spotlight - gully.

Project #: 4447
 Observer: RVB
 Date: 18-4-07

| | | |
|--|--------------------|--------------------|
| Location and timing | Start 528 | Finish 529 |
| MGA Zone: QPS3 | Easting 288613 | Easting 2895981 |
| | Northing 6194935 | Northing 6195355 |
| | Time (24 h): 21:53 | Time (24 h): 22:53 |
| Map sheet Name: | Map sheet number: | E.G.A.: |
| Location description: Spotlight along Fire Road 6 from Donald's Castle Creek heading west. Mammals and reptiles. Gully habitat. | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 1 | Total effort (person hours)? 1hr |
| Number of hectares covered? 1km | |

| | |
|---------------------------------|----------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: None |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 7.9 | Humidity = 92% |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------|----------------------|-------------------------|
| Observation types | | |
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | E: Nest or roost |
| H: Hair or feathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | I: Fossil/sub-fossil | N: Not located |

| | | |
|--------------------------|--------------------|-------------------|
| Microhabitat Type | | |
| AC: Flying above canopy | IB: In burrow | QB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| DA: Farm/tire darn | IR: In roads | TK: ON trunk |
| DI: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| FC: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GS: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |

ENTERED
47

S39

10 MAY 2007

S003 - S239

SP Reptiles - vidge



Reptile Nocturnal Search
Spotlighting Survey
Proforma

Project #: 4447
Observer: KJC
Date: 18/04/07

| | | |
|---|--------------------|--------------------|
| Location and timing | S03 Start | wp1 - S239 Finish |
| MGA Zone: S6 CPS#4 | Easting 2189980 | Easting 2189980 |
| | Northing 6193960 | Northing 6193973 |
| | Time (24 h): 18.35 | Time (24 h): 19.05 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: On ridge to SE of lakes track. Transect starts at owl call playback site, 130 NE along ridge, 40 NW onto lake's track and back to CP site. | | |

Survey Details

| | |
|----------------------------------|----------------------------------|
| Number of surveyors? | Total effort (person hours)? 0.5 |
| Number of hectares covered? 1(?) | |

Weather at start of survey

| | |
|---|-----------|
| Cloud cover: 0 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): | |
| Comments: Warm, fog is starting something heard in canopy but couldn't locate | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

Observation types

| | | |
|--|--|---|
| <input checked="" type="checkbox"/> O Observed (sighted) | <input type="checkbox"/> R Road kill | <input type="checkbox"/> F Tracks, scratching |
| <input type="checkbox"/> W Heard call | <input type="checkbox"/> D Dog kill | <input type="checkbox"/> Z In raptor/owl pellet |
| <input type="checkbox"/> X In scat | <input type="checkbox"/> C Cat kill | <input type="checkbox"/> M Miscellaneous |
| <input type="checkbox"/> T Trapped or netted | <input type="checkbox"/> V Fox kill | <input type="checkbox"/> E Nest or roost |
| <input type="checkbox"/> H Hair or feathers | <input type="checkbox"/> S Shot | <input type="checkbox"/> Y Bones or teeth |
| <input type="checkbox"/> A Stranded/beached | <input type="checkbox"/> J Fossil/sub-fossil | <input type="checkbox"/> N Not located |

Microhabitat Type

| | | |
|--|--|---|
| <input type="checkbox"/> AC Flying above canopy | <input type="checkbox"/> IB In burrow | <input type="checkbox"/> OB On beach sand |
| <input type="checkbox"/> BR In/on bridge | <input type="checkbox"/> IC In cave | <input type="checkbox"/> OL On log |
| <input type="checkbox"/> BU In building | <input type="checkbox"/> IG In grass | <input type="checkbox"/> OR On rock |
| <input type="checkbox"/> CR Crevice in rock | <input type="checkbox"/> IH In tree hollow | <input type="checkbox"/> OW Over water |
| <input type="checkbox"/> CL Crevice in log | <input type="checkbox"/> IL In litter | <input type="checkbox"/> RD On road |
| <input type="checkbox"/> DA Dam/fine dam | <input type="checkbox"/> IR In reeds | <input type="checkbox"/> TR ON trunk |
| <input type="checkbox"/> DT In dead tree (stag) | <input type="checkbox"/> IS In soil | <input type="checkbox"/> UB Under bark |
| <input type="checkbox"/> EW Edge of water | <input type="checkbox"/> IT In live tree | <input type="checkbox"/> UC Upper canopy |
| <input type="checkbox"/> RC In/on post or stump | <input type="checkbox"/> IW In water | <input type="checkbox"/> UG Undergrowth |
| <input type="checkbox"/> FL Flying within canopy | <input type="checkbox"/> LC Lower canopy | <input type="checkbox"/> UL Under log |
| <input type="checkbox"/> GR On ground | <input type="checkbox"/> LS Low shrub | <input type="checkbox"/> UR Under rock |
| <input type="checkbox"/> HS High shrub | <input type="checkbox"/> ME Mid canopy | <input type="checkbox"/> WH Waterhole |

S249 → S250 OR - mammal - ridge vehicle

14 MAY 2007

ENTERED



BIOSIS

Spotlighting Survey Proforma

Project #: 4447
 Observer: NRO (KJC driving)
 Date: 20/04/07

| | | | |
|--|-------------------|--------------------|------------------|
| Location and timing: 249 | Start | 250 | Finish |
| MGA Zone: 56 GWS#4 | Lasting 29 05 37 | | Lasting 29 00 58 |
| Northing 6194068 | | Northing 6193438 | |
| Time (24 h): 01:15 | | Time (24 h): 01:35 | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Mammal spotted from vehicle while driving from end of Lakes track (K24) - creek crossing | | | |

| | |
|-------------------------------|-----------------------------------|
| Survey Details | |
| Number of surveyors? 1 | Total effort (person hours)? 0.33 |
| Number of hectares covered? ? | |

| | |
|-----------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 1/8 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 17.0 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|--------------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| | | E | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | B | Nest or roost |
| | | Y | Bones or teeth |
| | | N | Not located |

| | | | |
|--------------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AL | Flying above canopy | UB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CR | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TR | On trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

| Species | DB type | Habitat type | Number | Easting | Northing | Accuracy |
|------------------|---------|--------------|--------|---------|----------|----------|
| - Nil Recorded - | | | | | | |
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17 MAY 2007

ENTERED
140

S282 → S283 SP - mammal Ridge
vehicle Rap



Spotlighting Survey
Proforma

Project #: 4447
Observer: KJC
Date: 20/04/07

| | | |
|--|--------------------|--------------------|
| Location and timing: | 282 Start | 283 Finish |
| MGA Zone: 56 GPS# 4 | Easting 310274 | Easting 310274 |
| | Northing 6205561 | Northing 6205561 |
| | Time (24 h): 23:40 | Time (24 h): 23:55 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Spotlight from vehicle from Sandy Ck bridge up track that leads to ventilation shaft site and Ridge D/F. | | |

Survey Details

Number of surveyors? 2 Total effort (person hours)? 0.5
Number of hectares covered? 1 Km

Weather at start of survey

Cloud cover: 0/8 Moon: 0
Wind Direction and speed: 0 Rain: Nil
Temperature (°C): 6.0
Comments:

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | | | | |
|---|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

Microhabitat Type

| | | | | | |
|----|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Dam/fire dam | IR | In reeds | TK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

11 MAY 2007

ENTERED
139



BIOSIS

Spotlighting Survey
Proforma

Vehicle spotlight - ridge

Project #: 4447

Observer: JC & RUB

Date: 20/4/07

| | | |
|--|----------------------------|--------------------------|
| Location and timing: | Start 542 | Finish 543 |
| MGA Zone: 56 ^{2 PS3} | Fasting 2 9 2 3 6 7 | Fasting 2 9 2 7 3 7 |
| | Northing 6 1 1 9 6 1 7 1 1 | Northing 6 1 1 9 7 1 7 8 |
| | Time (24 h): 2.00 | Time (24 h): 2:18 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: RIDGE MAMMAL SPOTLIGHT FROM INTERSECTION OF GC 2 6 F, NORTH ALONG GC | | |

| | |
|----------------------------------|---|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 36 minutes |
| Number of hectares covered? 1 ha | |

| | |
|-------------------------------|------------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: Full light |
| Wind Direction and speed: NIL | Rain: NIL |
| Temperature (°C): 11.2 | Humidity 93% |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = 1/8 Moon, 2 = 1/4 Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | FB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BL | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | LH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stug) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | JC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

11 MAY 2007

ENTERED
138



Spotlighting Survey
Proforma from vehicle.

Project #: 4447

Observer: RVB + JC

Date: 18.4.07

Ridge site.

| | | | |
|--|-------------------|-----------|--------------------|
| Location and timing | | Start S21 | Finish S22 |
| MGA Zone: | Easting | 289925 | Easting 289938 |
| | Northing | 6194431 | Northing 6194566 |
| | Time (24 h): | 02:20 | Time (24 h): 02:32 |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Luke's track - Ridge. (from vehicle). | | | |

| | |
|------------------------------|--------------------------|
| Survey Details | |
| Number of surveyors? | 2 |
| Number of hectares covered? | 1km |
| Total effort (person hours)? | 24mins 24mins |

| | |
|----------------------------|--------|
| Weather at start of survey | |
| Cloud cover: | 0/8 |
| Wind Direction and speed: | still |
| Temperature (°C): | 11.6°C |
| Comments: | |
| Moon: | None |
| Rain: | None |
| Humidity: | 91% |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rattle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| F | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | N | Not located |
| E | Nest or roost | | |
| B | Bones or teeth | | |

| Microhabitat Type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | JH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | OR | On rock |
| OL | On log | OW | Over water |
| OT | On trunk | RD | On road |
| UB | Under bark | TK | ON trunk |
| UC | Upper canopy | UR | Under rock |
| UG | Undergrowth | WH | Waterhole |
| UL | Under log | | |

| Species | Ob. type | Habitat type | Number | Feeding | Roosting | Accuracy |
|--------------|----------|--------------|--------|--------------------------------------|----------|----------|
| Sugar Glider | 0 | Ridge | 1 | (obvious white tip on tail, tail not | | |
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very fluffy.
Quite large).



BIOSIS

11 MAY 2007

Spotlighting Survey Proforma

RIDGE

ENTERED 137

Project #: 4447

Observer: RVB + JC

Date: 21-4-07

Mammal spotlight from vehicle.

| | | |
|---|--------------------|--------------------|
| Location and timing | Start S55 | Finish S56 |
| MGA Zone: | Fasting 291095 | Fasting 292094 |
| | Northing 6197522 | Northing 6197552 |
| | Time (24 h): 00:45 | Time (24 h): 01:00 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: ^{from} Ridge between Wongawilli ^{along} Fire Rd 6 along and Intersection Creek and up Fire Rd 6C. | | |

| | |
|----------------------------------|-------------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 hr |
| Number of hectares covered? 1 km | |

| | |
|-----------------------------------|---------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: None |
| Wind direction and speed: still | Rain: None |
| Temperature (°C): 7.3 | Humidity: 74% |
| Comments: | strange. |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|--------------------------|--------------------|----|-------------------|---|----------------------|
| Observation types | | | | | |
| Q | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | DB | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | L | Fossil/sub-fossil | N | Not located |

| | | | | | |
|---------------------------|----------------------|----|----------------|----|---------------|
| Micronhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | ON trunk |
| DI | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

ENTERED 28 JUN 2007



Spotlighting Survey Proforma

From Vehicle - Ridge

Project #: 4447
 Observer: JC + AKR
 Date: 5.6.07

| | | | |
|---|--------------------|--------------------------------|-------------|
| Location and timing | | Start S800 | Finish S801 |
| MGA Zone: GPS 5 | Easting 2187723 | Easting 2190144 | |
| | Northing 6194379 | Northing 617910617 | |
| | Time (24 h): 18:29 | Time (24 h): 19:39 (1hr 0mins) | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Fire Rd 6A. Start: 1 st road/rail intersection, near DCSA. Heading south. Finish: near cages 1-6. | | | |

| | |
|---------------------------------|---|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 2 hrs 20mins |
| Number of hectares covered? 5km | |

| | |
|---------------------------------|-------------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: not out yet |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): ~12°C | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In seat | C | Cat kill |
| T | Trapped or netted | Y | Box kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| | | E | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | N | Nest or roost |
| | | B | Bones or teeth |
| | | L | Not located |

| | | | |
|-------------------|----------------------|-----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IIF | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IIF | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TK | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |



Spotlighting Survey Proforma

BIOSIS from vehicle - Ridge

| |
|--------------------|
| Project #: 4447 |
| Observer: JC + AKR |
| Date: 6-6-07 |

| | | | |
|--|--------------------|------------------------------|-------------|
| Location and timing | | Start S820 | Finish S821 |
| MGA Zone: GPS 5 | Easting 287731 | Easting 288356 | |
| | Northing 6194406 | Northing 6194963 | |
| | Time (24 h): 02:27 | Time (24 h): 02:50 (23 mins) | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Start: Fire Rd 6A (at 1 st rail intersection near DCSA), head towards 6/6A intersection, then head east towards Donald's Castle Creek. | | | |

| | |
|------------------------------------|---|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 46 mins (ph) |
| Number of hectares covered? 1-2 km | |

| | |
|---------------------------------|------------|
| Weather at start of survey | |
| Cloud cover: 3/8 | Moon: 3/4 |
| Wind Direction and speed: still | Rain: None |
| Temperature (°C): 4-6 | ? |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | P | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | F | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| GL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

ENTERED 28 JUN 2007
277



Spotlighting Survey Proforma
from vehicle - ridge

Project #: 4447
Observer: AKR + JC
Date: 6.6.07

| | | | |
|---|--------------------|------------------------------|-------------|
| Location and timing | | Start 5830 | Finish 5831 |
| MGA Zone: GPS 5 | Easting 289598 | Easting 290576 | |
| | Northing 61955118 | Northing 61196997 | |
| | Time (24 h): 20:10 | Time (24 h): 20:50 (40 mins) | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Fire Rd 6A: east side of Donald's Castle Creek towards Wongawilli Creek (stops before gully near W'willi). | | | |

| | |
|----------------------------------|--|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 1hr 20mins (4h) |
| Number of hectares covered? 2 km | |

| | |
|---|-------------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: not out yet |
| Wind Direction and speed: still | Rain: None |
| Temperature (°C): 10 cold < 10°C | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------|----------------------|-------------------------|
| Observation types | | |
| O: Observed (sighted) | R: Road kill | T: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| I: Trapped or netted | V: Fox kill | E: Nest or roost |
| U: Hair or feathers | S: Shot | B: Bones or teeth |
| A: Stranded/beached | F: Fossil/sub-fossil | N: Not located |

| | | |
|--------------------------|--------------------|-------------------|
| Microhabitat Type | | |
| AC: Flying above canopy | IB: In burrow | UB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| DA: Farm/fire dam | IR: In rocks | TR: ON trunk |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| FC: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WB: Waterhole |

Not entered
28 JUN 2007

SP - Mammal
(vehicle) - Ridge



Spotlighting Survey
Proforma

Project #: 4447
Observer: KJC + TAP
Date: 7/6/07

| | | |
|--|--------------------|--------------------|
| Location and timing | 737 Start | 740 Finish |
| MGA Zone: 56 GPS # 7 | Easting 292920 | Easting 292491 |
| | Northing 61193086 | Northing 611913538 |
| | Time (24 h): 01.10 | Time (24 h): 01.20 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: vehicle ridge spotlight along bc from entrance to Dolg uphill to start of gully habitat before intersection of bc/gk. | | |

| | |
|----------------------------------|-----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.33 |
| Number of hectares covered? 700m | |

| | |
|---|-----------|
| Weather at start of survey | |
| Cloud cover: 3/8 | Moon: 4 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): cold | |
| Comments: saw a branch that looked a lot like a sugar gliders head. | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|---|--|---|---|
| Observation types | | | |
| <input type="checkbox"/> O Observed (sighted) | <input type="checkbox"/> R Road kill | <input type="checkbox"/> T Tracks, scratching | <input type="checkbox"/> Z In raptor/owl pellet |
| <input type="checkbox"/> W Heard call | <input type="checkbox"/> D Dog kill | <input type="checkbox"/> M Miscellaneous | <input type="checkbox"/> E Nest or roost |
| <input checked="" type="checkbox"/> X In scat | <input type="checkbox"/> C Cat kill | <input type="checkbox"/> Y Bones or teeth | <input type="checkbox"/> N Not located |
| <input type="checkbox"/> T Trapped or netted | <input type="checkbox"/> V Fox kill | | |
| <input type="checkbox"/> F Hair or feathers | <input type="checkbox"/> S Shot | | |
| <input type="checkbox"/> A Stranded/beached | <input type="checkbox"/> I Fossil/sub-fossil | | |

| | | | |
|--|--|---|--|
| Microhabitat Type | | | |
| <input type="checkbox"/> AC Flying above canopy | <input type="checkbox"/> IB In burrow | <input type="checkbox"/> OB On beach sand | |
| <input type="checkbox"/> BR In/on bridge | <input type="checkbox"/> IC In cave | <input type="checkbox"/> OL On log | |
| <input type="checkbox"/> BD In building | <input type="checkbox"/> IG In grass | <input type="checkbox"/> OR On rock | |
| <input type="checkbox"/> CK Crevice in rock | <input type="checkbox"/> IH In tree hollow | <input type="checkbox"/> OW Over water | |
| <input type="checkbox"/> CL Crevice in log | <input type="checkbox"/> IL In litter | <input type="checkbox"/> RD On road | |
| <input type="checkbox"/> DA Farm/fire dam | <input type="checkbox"/> IR In reeds | <input type="checkbox"/> TR ON trunk | |
| <input type="checkbox"/> DT In dead tree (stag) | <input type="checkbox"/> IS In soil | <input type="checkbox"/> UB Under bark | |
| <input type="checkbox"/> FW Edge of water | <input type="checkbox"/> IT In live tree | <input type="checkbox"/> UC Upper canopy | |
| <input type="checkbox"/> FC In/on post or stump | <input type="checkbox"/> IW In water | <input type="checkbox"/> UG Undergrowth | |
| <input type="checkbox"/> FL Flying within canopy | <input type="checkbox"/> LC Lower canopy | <input type="checkbox"/> UL Under log | |
| <input type="checkbox"/> GR On ground | <input type="checkbox"/> LS Low shrub | <input type="checkbox"/> UR Under rock | |
| <input type="checkbox"/> HS High shrub | <input type="checkbox"/> MC Mid canopy | <input type="checkbox"/> WH Waterhole | |

Not entered
28 JUN 2007

SP - mammal - ridge
(vehicle)

* 736
= possible
seismic
to W off
bc.



Spotlighting Survey
Proforma

| |
|---------------------|
| Project #: 4447 |
| Observer: KJC + TAP |
| Date: 6/6/07 |

| | | | |
|--|-------------------|--------------------|--------------------|
| Location and timing | | 735 Start | 737 Finish |
| MGA Zone: 56 | GPS# 7 | Easting 293869 | Easting 292920 |
| | | Northing 61912640 | Northing 6193036 |
| | | Time (24 h): 23-45 | Time (24 h): 00-10 |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Vehicle ridge spotlight along bc from bridge uphill to entrance to DDIG | | | |

| | |
|------------------------------------|-----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.83 |
| Number of hectares covered? 1.3 km | |

| | |
|-----------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 3/8 | Moon: 4 |
| Wind Direction and speed: 0 | Rain: nil |
| Temperature (°C): COLD | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following index: 0=None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Observation types | | |
| O : Observed (sighted) | R : Road kill | T : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| I : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | F : Fossil/sub-fossil | N : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Microhabitat Type | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TR : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

Not entered

28 JUN 2007



Spotlighting Survey Proforma

From vehicle - Gully

| |
|--------------------|
| Project #: 4447 |
| Observer: AKR + JC |
| Date: 6.6.07 |

| | | | |
|---|--------------------|-----------------------------|-------------|
| Location and timing: | | Start S822 | Finish S823 |
| MGA Zone: APS 5 | Fasting 289327 | Easting 290015 | |
| | Northing 6191817 | Northing 6193406 | |
| | Time (24 h): 17:42 | Time (24 h): 18:12 (30mins) | |
| Map sheet Name: | Map sheet number: | ICGA: | |
| Location description: X05 to crossing of Luke's Track. (almost to crossing). | | | |

| | |
|------------------------------------|---|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 1hr (p.h.) |
| Number of hectares covered? 1.8 Hn | |

| | |
|-----------------------------------|-------------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: not up yet. |
| Wind Direction and speed: still | Rain: None. |
| Temperature (°C): Cool. | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|--------------------------|----------------------|-------------------------|--|
| Observation types | | | |
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching | |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet | |
| X: In scat | C: Cat kill | M: Miscellaneous | |
| T: Trapped or netted | V: Fox kill | E: Nest or roost | |
| H: Hair or feathers | S: Shot | Y: Bones or teeth | |
| A: Stranded/beached | I: Fossil/sub-fossil | N: Not located | |

| | | | |
|--------------------------|--------------------|-------------------|--|
| Microhabitat Type | | | |
| AC: Flying above canopy | IB: In burrow | OB: On beach sand | |
| BR: In/on bridge | IC: In cave | OL: On log | |
| BU: In building | IG: In grass | OR: On rock | |
| CR: Crevice in rock | IH: In tree hollow | OW: Over water | |
| CL: Crevice in log | IL: In litter | RD: On road | |
| DA: Farm/fire dam | IR: In reeds | TR: ON trunk | |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark | |
| EW: Edge of water | IT: In live tree | UC: Upper canopy | |
| FC: In/on post or stump | IW: In water | UG: Undergrowth | |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log | |
| GR: On ground | LS: Low shrub | UR: Under rock | |
| HS: High shrub | MC: Mid canopy | WR: Waterhole | |

Not entered

28 JUN 2007



BIOSIS

Spotlighting Survey Proforma

from vehicle - gully.

Project #: 4447

Observer: AKR + JC

Date: 6.6.07

| | | | |
|---|--------------------|------------------------------|-------------|
| Location and timing | | Start S828 | Finish S829 |
| MGA Zone: GPS 5 | Easting 288679 | Easting 289526 | |
| | Northing 6194930 | Northing 6195441 | |
| | Time (24 h): 19:45 | Time (24 h): 20:00 (15 mins) | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Fine Rd 6: top of gully west of Donald's Castle Creek, heading east towards Donald's Castle Creek. | | | |

| | |
|----------------------------------|--|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 30mins (p.h.) |
| Number of hectares covered? 1 km | |

| | |
|---------------------------------|-------------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: not out yet |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): ~8.9 | Humidity = 51% |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 = None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-----------------------------|----------------------------|-------------------------------|--|
| Observation types | | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching | |
| W Heard call | D Dog kill | Z In raptor/owl pellet | |
| X In scat | C Cat kill | M Miscellaneous | |
| T Trapped or netted | V Fox kill | N Nest or roost | |
| H Hair or feathers | S Shot | Y Bones or teeth | |
| A Stranded/beached | F Fossil/sub-fossil | N Not located | |

| | | | |
|--------------------------------|--------------------------|-------------------------|--|
| Microhabitat Type | | | |
| AC Flying above canopy | IB In burrow | OB On beach sand | |
| BR In/on bridge | IC In cave | OL On log | |
| BU In building | IG In grass | OR On rock | |
| CK Crevice in rock | IH In tree hollow | OW Over water | |
| CL Crevice in log | IL In litter | RD On road | |
| DA Farm/fire dam | IR In reeds | TR ON trunk | |
| DT In dead tree (stag) | IS In soil | UB Under bark | |
| EW Edge of water | IT In live tree | UC Upper canopy | |
| FC In/on post or stump | IW In water | UG Undergrowth | |
| FL Flying within canopy | LC Lower canopy | UL Under log | |
| GR On ground | LS Low shrub | UR Under rock | |
| HS High shrub | MC Mid canopy | WH Waterhole | |

Not entered
28 JUN 2007

X-mon-Lully
(vehicle)



Spotlighting Survey
Proforma

Project #: 4447
Observer: KJC + TAP
Date: 6/6/07

| | | | |
|--|-------------------|------------|--------------------|
| Location and timing | | S280 Start | S299 Finish |
| MGA Zone: 56 | Easting | 293932 | Easting 293882 |
| | Northing | 6190943 | Northing 6191188 |
| | Time (24 h): | 17:35 | Time (24 h): 18:05 |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: From vehicle on bc at bottom of study area * wpts might be incorrect * | | | |

| | |
|----------------------------------|---------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 10 |
| Number of hectares covered? 2 km | |

| | |
|-----------------------------|-------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: ? |
| Wind Direction and speed: 0 | Rain: N (1) |
| Temperature (°C): COLD | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|---|--|---|
| Observation types | | |
| <input type="checkbox"/> O Observed (sighted) | <input type="checkbox"/> R Road kill | <input type="checkbox"/> F Tracks, scratching |
| <input type="checkbox"/> W Heard call | <input type="checkbox"/> D Dog kill | <input type="checkbox"/> Z In raptor/owl pellet |
| <input type="checkbox"/> X In scat | <input type="checkbox"/> C Car kill | <input type="checkbox"/> M Miscellaneous |
| <input type="checkbox"/> T Trapped or netted | <input type="checkbox"/> V Fox kill | <input type="checkbox"/> N Nest or roost |
| <input type="checkbox"/> H Hair or feathers | <input type="checkbox"/> S Shot | <input type="checkbox"/> B Bones or teeth |
| <input type="checkbox"/> A Stranded/beached | <input type="checkbox"/> F Fossil/sub-fossil | <input type="checkbox"/> N Not located |

| | | |
|--|--|---|
| Microhabitat Type | | |
| <input type="checkbox"/> AC Flying above canopy | <input type="checkbox"/> IB In burrow | <input type="checkbox"/> OH On beach sand |
| <input type="checkbox"/> BR In/on bridge | <input type="checkbox"/> IC In cave | <input type="checkbox"/> OL On log |
| <input type="checkbox"/> BU In building | <input type="checkbox"/> IG In grass | <input type="checkbox"/> OR On rock |
| <input type="checkbox"/> CK Crevice in rock | <input type="checkbox"/> IH In tree hollow | <input type="checkbox"/> OW Over water |
| <input type="checkbox"/> CL Crevice in log | <input type="checkbox"/> IL In litter | <input type="checkbox"/> RD On road |
| <input type="checkbox"/> FA Farm/fire dam | <input type="checkbox"/> IR In reeds | <input type="checkbox"/> TK ON trunk |
| <input type="checkbox"/> DT In dead tree (stag) | <input type="checkbox"/> IS In soil | <input type="checkbox"/> UB Under bark |
| <input type="checkbox"/> EW Edge of water | <input type="checkbox"/> IT In live tree | <input type="checkbox"/> UC Upper canopy |
| <input type="checkbox"/> FG In/on post or stump | <input type="checkbox"/> IW In water | <input type="checkbox"/> UG Undergrowth |
| <input type="checkbox"/> FL Flying within canopy | <input type="checkbox"/> LC Lower canopy | <input type="checkbox"/> UL Under log |
| <input type="checkbox"/> GR On ground | <input type="checkbox"/> LS Low shrub | <input type="checkbox"/> UR Under rock |
| <input type="checkbox"/> HS High shrub | <input type="checkbox"/> MC Mid canopy | <input type="checkbox"/> WH Waterhole |

Not Entered 28 June 2007

SP - Mammal - Cully
(vehicle)



SPOTLIGHTING
~~Distance~~ Bird Survey
Proforma

| |
|---------------------|
| Project #: 44,47 |
| Observer: KJC + TAP |
| Date: 7/6/07 |

| | | |
|--|------------------------|----------------------|
| Location and timing | 501 Start | 285 Finish |
| MGA Zone: 50 GPS# 7 | Easting 2 9 2 4 7 6 | Easting 2 9 2 3 6 8 |
| | Northing 6 1 9 4 8 6 6 | Northing 6 1 9 6 0 7 |
| | Time (24 h): 02:00 | Time (24 h): 02:24 |
| Map sheet Name: | Map sheet number: | IGA: |
| Location description: Cully spotlight from vehicle along bc from bc swamp north to bc/bf intersection | | |

| | |
|------------------------------------|--|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 48/60 = 0.8 |
| Number of hectares covered? 1.5 km | |

| | |
|-----------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 4/5 | Moon: 4 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 20.0 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Car kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OD | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| GK | Crevice in rock | IH | In tree hollow | OW | Over water |
| EL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| PC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |



Waypoint
Record Sheet

| | |
|--------------|---------|
| Job Number | 4447 |
| Date / Dates | 7.5.07 |
| GPS Unit | 6 + 4 |
| Recorder | JC, AMM |

| Waypoint # | Comments |
|------------|--|
| S400 | Scat on rock in gully, beside rocky ridge. 290213/6190716. |
| S411 | Scat on sandy bank (old/white) next to Wongawilli from rd 6. |
| S424 | Scat on ground - DCSA. 287874/6194340. |
| S432 | " " " - dry creekline next to Luke's track 289575/6192406 |
| S435 | " " " - W'illi from 204, west bank. |
| S436 | " " rock - at heap site (5120), east of W'illi creek. |
| S437 | " " sand on rock at " " " " " " " " " " " " |
| S445 | Scat on ground - gully - adjacent to Peanut Swamp. |
| S447 | 2 scat samples: (1) on ground, (2) under overhang in sand |
| S448 | Scat on ground, heap site (5112), near Luke's Creek. |
| S401 | " " rock at Cage trap #1. |
| S455 | " " " at Anabat site (6A/rail intersection). |
| S450 | " " ground on way to cages 13-18 from Luke's track. |
| S459 GPS4 | " " " on way to rainforest from 6A. |
| S117 | " " " at heap site S117. |
| S472 | " " rocks beside pool/creek. 288444/6190522. |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

↑
Near cut

nil

Opportunistic CP - Frog (RCT)



Call Playback Survey Proforma

| |
|----------------------------|
| Project #: 4447 |
| Observer: KJC + DCG |
| Date: 14/5/07 |

| | | |
|--|---------------------------|------------------|
| Location and timing | | |
| MGA Zone: 5541 | Easting 292341 | Northing 6192661 |
| Start time (24 h): 19-40 | Finish time (24 h): 19-51 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: drainage line leading to S15B. (from vehicle to S15B1B) | | |

| | |
|------------------------------------|--|
| Survey Details | |
| Type of amplification? loud hailer | Duration of call playback (minutes)? 3 |
| Duration of listening (minutes)? 3 | |

| | |
|---|-----------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: - |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 10 | |
| Comments: Played at site where RCT previous heard. | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=No. inc, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|--------------------------|--------------------|----------|-------------------|----------|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Vox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|--------------------------|----------------------|-----------|----------------|-----------|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevise in rock | IH | In tree hollow | OW | Over water |
| CL | Crevise in log | IL | In litter | RD | On road |
| DA | Dam/fire dam | IR | In reeds | TK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FB | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

ENTERED
54

10 MAY 2007

S274 Nocturnal - frogs - Gully
CP (L. littlejohni)



Call Playback Survey
Proforma

| |
|---------------------|
| Project #: 4447 |
| Observer: KJC + N60 |
| Date: 20/09/07 |

| | | |
|--|---------------------------|-------------------|
| Location and timing: S274 | | |
| MGA Zone: 56 | GPS# 4 | Easting: 291540 |
| | | Northing: 6191358 |
| Start time (24 h): 20.30 | Finish time (24 h): 20.41 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Wanganella Trils alongside long swamp CP - at small pool | | |

| | |
|------------------------------------|--|
| Survey Details | |
| Type of amplification? loud hailer | Duration of call playback (minutes)? 3 |
| Duration of listening (minutes)? 3 | |

| | |
|---------------------------------------|----------|
| Weather at start of survey | |
| Cloud cover: 0 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: NR |
| Temperature (°C): 61.7 = 17.3°C | |
| Comments: Good littlejohni habitat | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 = moderate, branches move, 3 - strong, tops of trees move.

| | | | |
|-----------------------|----------------------|-------------------------|--|
| Observation types | | | |
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching | |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet | |
| X: In scat | C: Cat kill | M: Miscellaneous | |
| T: Trapped or netted | Y: Fox kill | E: Nest or roost | |
| H: Hair or feathers | S: Shot | B: Bones or teeth | |
| A: Stranded/beached | F: Fossil/sub-fossil | N: Not located | |

| | | | |
|--------------------------|--------------------|-------------------|--|
| Microhabitat Type | | | |
| AC: Flying above canopy | IB: In burrow | QB: On beach sand | |
| BR: In/on bricge | IC: In cave | OL: On log | |
| BU: In building | IG: In grass | OR: On rock | |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water | |
| CL: Crevice in log | IL: In litter | RD: On road | |
| DA: Farm/fire dam | IR: In reeds | TK: ON trunk | |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark | |
| EW: Edge of water | IT: In live tree | UC: Upper canopy | |
| FC: In/on post or stump | IW: In water | UG: Undergrowth | |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log | |
| GR: On ground | LS: Low shrub | UR: Under rock | |
| HS: High shrub | MC: Mid canopy | WH: Waterhole | |

10 MAY 2007

ENTERED
33



BIOSIS

Call Playback Survey Proforma

Project #: 4447
 Observer: RNB + JC
 Date: 20.4.07

Opportunistic Call-playback-gully

Location and timing:

MGA Zone: S49 GPS3 Easting 288398 Northing 61192519
 Start time (24 h): 17:27 Finish time (24 h): 17:39
 Map sheet Name: Map sheet number: IGA:

Location description:
 End of track north of swamp 11, aiming into gully that goes into ~~swamp~~ Lake Avon. See Habitat Assessor (S48) for details.

Track ends at PSIMJ (GPS3).

Survey Details:

Type of amplification? Loud hailer Duration of call playback (minutes)? 5
 Duration of listening (minutes)? 5

Weather at start of survey:

Cloud cover: 2/8 Moon: None
 Wind Direction and speed: Still-breeze Rain: None
 Temperature (°C): Warm
 Comments:

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| | | E | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | N | Nest or roost |
| | | Y | Bones or teeth |
| | | N | Not located |

| Microhabitat Type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DI | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| IC | In/on post or stump | IW | In water |
| IL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TR | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |



Call Playback Survey Proforma

| |
|---------------------|
| Project #: 4447 |
| Observer: KTC + DCC |
| Date: 10/05/07 |

| | | |
|---|----------------------------------|-------------------------|
| Location and timing: <u>S525</u> | | |
| MGA Zone: <u>56</u> | Easting <u>2192431</u> | Northing <u>4195997</u> |
| Start time (24 h): <u>17.25</u> | Finish time (24 h): <u>17.45</u> | <u>0.33 = 9hr.</u> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>Drainage line off bc (RCT creek).</u> | | |

| | |
|--|--|
| Survey Details | |
| Type of amplification? <u>loud Hailer</u> | Duration of call playback (minutes)? <u>3min</u> |
| Duration of listening (minutes)? <u>3min</u> | |

| | |
|------------------------------------|------------------|
| Weather at start of survey | |
| Cloud cover: <u>8/8</u> | Moon: <u>-</u> |
| Wind Direction and speed: <u>0</u> | Rain: <u>Nil</u> |
| Temperature (°C): <u>19°C</u> | |
| Comments: | |

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Observation types | | |
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | Y : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | B : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Microhabitat Type | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Farm/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| FW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

ENTERED
303 D

29 JUN 2007

S232 → S234 SP - Rainforest Frogs



BIOSIS

Spotlighting Survey Proforma

Project #: 444 +
Observer: KJC + NEO
Date: 18/04/07

| | | | | | |
|--|-------------------|--------------------|-------|--------------------|--------|
| Location and timing | | Left = 232 | Start | Left 234 | Finish |
| MGA Zone: S6 | Unit: #4 | Easting 2190952 | | Easting 2190991 | |
| | | Northing 6190605 | | Northing 6190803 | |
| | | Time (24 h): 18:35 | | Time (24 h): 19:35 | |
| Map sheet Name: | Map sheet number: | I.G.A.: | | | |
| Location description: Mongawala Creek - Rainforest - 4, mixed rain forest | | | | | |

| | |
|-------------------------------------|---------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 20 |
| Number of hectares covered? 1.00 ha | |

| | |
|-------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 14.3°C 92°F | |

Comments: large oval bush boundaries throughout forest. Some sections of sandy stream bed and banks. Dense cover of 1.5m tall shrubs with 40% ground cover. 3 large trees with 40% ground cover.

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2 Moon, 4=Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Read kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | B | Nest or roost |
| H | Hair or feathers | S | Shoe | Y | Bones or teeth |
| A | Stranded/beached | F | Fossil/sub-fossil | N | Not located |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/ou bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GC | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

| Species | Obs. type | Habitat type | Number | Easting | Northing | Accuracy |
|-------------------------------------|-----------|--------------|--------|---------------------|----------|----------|
| Sugar Alder | H | - | 1 | in distance to East | | |
| Short-finned Zea | O | W | 1 | | | |
| Litorea nudidigitia / phytolacca | O | on island | 1 | | | |
| | | | | | | |
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SP-Frog-Cully

ENTERED 29 JUN 2007
304



**Spotlighting Survey
Proforma**

Project #: 4447
Observer: KJC + DCG
Date: 14/05/07

| | | |
|---|--------------------|--------------------|
| Location and timing | S539 Start | S540 Finish |
| MGA Zone: | Easting 3192494 | Easting 292593 |
| | Northing 61792778 | Northing 61792792 |
| | Time (24 h): 18:30 | Time (24 h): 19:00 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Frog spotlighted in creek 50 m adjacent and parallel to Swamp IS B (creek is N of Swamp) 100m transect | | |

| | |
|-----------------------------|---------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 40 |
| Number of hectares covered? | |

| | |
|---|-----------|
| Weather at start of survey | |
| Cloud cover: 2/8 | Moon: |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 10°C | |
| Comments: stream disappeared at S540 - over a big log fence | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 = None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|--------------------------|----------------------|-------------------------|--|
| Observation types | | | |
| O: Observed (sighted) | R: Road kill | E: Tracks, scratching | |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet | |
| X: In scat | C: Cat kill | M: Miscellaneous | |
| T: Trapped or netted | V: Fox kill | N: Nest or roost | |
| H: Hair or feathers | S: Shot | Y: Bones or teeth | |
| A: Stranded/beached | F: Fossil/sub-fossil | N: Not located | |

| | | | |
|--------------------------|--------------------|-------------------|--|
| Microhabitat Type | | | |
| AC: Flying above canopy | BR: In burrow | OR: On beach sand | |
| BR: In/on bridge | IC: In cave | OL: On log | |
| BU: In building | IG: In grass | OR: On rock | |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water | |
| CL: Crevice in log | IL: In litter | RD: On road | |
| DA: Farm/fire dam | JR: In reeds | TR: ON trunk | |
| DE: In dead tree (stag) | JS: In soil | UB: Under bark | |
| EW: Edge of water | LI: In live tree | UC: Upper canopy | |
| FG: In/on post or stump | IW: In water | UG: Undergrowth | |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log | |
| GR: On ground | LS: Low shrub | UR: Under rock | |
| HS: High shrub | MC: Mid canopy | WH: Waterhole | |

ENTERED 29 JUN 2007



Spotlighting Survey Proforma

BIOSIS

| |
|---------------------|
| Project #: 4447 |
| Observer: KJC + DCG |
| Date: 14/05/07 |

| | | |
|--|--------------------|--------------------|
| Location and timing | SS43 Start | SS44 Finish |
| MGA Zone: 56 | Easting 292436 | Easting 292668 |
| | Northing 619169A | Northing 619172A |
| | Time (24 h): 20:20 | Time (24 h): 21:20 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Creek on NW edge of Swamp 15 A. Transect runs from top of creek downstream for 200m. Transect ends 20m before SISA3F. | | |

| | |
|----------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 2.0 |
| Number of hectares covered? 2.00 | |

| | |
|---|--------------------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: can't see any moon |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 8°C | |
| Comments: Large pools (<2m depth) + runs followed by sections where water disappears below bridge. | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = 1/8 Moon, 2 = 1/4 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------|----------------------|-------------------------|
| Observation types | | |
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | N: Nest or roost |
| H: Hair or feathers | S: Shot | B: Bones or teeth |
| A: Stranded/beached | I: Fossil/sub-fossil | L: Not located |

| | | | |
|--------------------------|--------------------|-------------------|--|
| Microhabitat Type | | | |
| AC: Flying above canopy | IB: In burrow | OB: On beach sand | |
| BR: In/on bridge | IC: In cave | OL: On log | |
| BL: In building | IG: In grass | OR: On rock | |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water | |
| CL: Crevice in log | IL: In litter | RD: On road | |
| DA: Farm/fire dam | IR: In reeds | TR: ON trunk | |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark | |
| EW: Edge of water | IT: In live tree | UC: Upper canopy | |
| PC: In/on post or stump | IW: In water | UG: Undergrowth | |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log | |
| GR: On ground | LS: Low shrub | UR: Under rock | |
| HS: High shrub | MC: Mid canopy | WH: Waterhole | |

ENTERED 302 29 JUN 2007



Spotlighting Survey Proforma

BIOSIS Nocturnal Stream Search:
Frogs - Gully.

Project #: 4447
Observer: RMM, TP, JC.
Date: 16-5-07

| | | | |
|--|-------------------|--------------------|-------------|
| Location and timing | | Start 5473 | Finish 5474 |
| MGA Zone: GPS 6 | Easting 293852 | Easting 293817 | |
| Northing 6192792 | | Northing 6192575 | |
| Time (24 h): 21:00 | | Time (24 h): 21:50 | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Sandy Creek from waterfall (into Lake Cordeaux), upstream, past bridge and start of SCTA. | | | |

| | |
|-----------------------------|---|
| Survey Details | |
| Number of surveyors? 3 | Total effort (person hours)? 2 hrs |
| Number of hectares covered? | 2 ppl for 30mins then 3 ppl for 20mins. |

| | |
|---------------------------------|---------------|
| Weather at start of survey: | |
| Cloud cover: 7/8 | Moon: - |
| Wind Direction and speed: still | Rain: - |
| Temperature (°C): 13-52 | Humidity: 95% |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | OD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

ENTERED

297 5/29/07 GULLY/29 JUN 2007

S167 → S168 SP- Frogs - Gully

GPS #2



BIOSIS

Spotlighting Survey
Proforma

Project #: 4447

Observer: NEU, MV

Date: 21.04.07

| | | |
|--|------------------------|------------------------|
| Location and timing | S167 Start WP 10 | WP 12 Finish S168 |
| MGA Zone: | Easting 2 8 8 8 6 2 | Easting 2 8 8 8 6 2 |
| | Northing 6 1 9 0 1 2 0 | Northing 6 1 9 0 1 2 1 |
| | Time (24 h): 2120 | Time (24 h): 2150 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: WP 11 IS CAPTURE OF TRAPSECT ALONG TRIB. NW OF P20 | | |

| | |
|-----------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 1hr |
| Number of hectares covered? | |

| | |
|---|--------------|
| Weather at start of survey: | |
| Cloud cover: 1/8 | Moon: 1/4 |
| Wind Direction and speed: 2 | Rain: - |
| Temperature (°C): 17° | 70% HUMIDITY |
| Comments: GREAT ROCKY STREAM FLOWING INTO AVOID HIGH QUALITY FROG HABITAT | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|--------------------|--------------------|----|----------------------|
| Observation types: | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| | | Tr | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | E | Nest or roost |
| | | B | Bones or teeth |
| | | N | Not located |

| | | | |
|-------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/or bridge | IC | In cave |
| BV | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/tire dam | IR | In roots |
| DI | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/or post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RO | On road |
| | | TR | On trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

ENTERED 29 JUN 2007
300/301



Spotlighting Survey Proforma

BIOSIS Nocturnal stream search:
Frogs - Gully.

Project #: 4447
Observer: JC, RMM, TP.
Date: 16-5-07

from Trip 1
↓

Notes: Mark's transect was only 50m long. So we did 2 (1x 100m and 1x 50m) so that 200m was done in total.

| | | |
|---|--------------------------|--|
| Location and timing | 100m transect Start 5468 | 100m transect Finish 5469 |
| MGA Zone: APS (4) | Easting 2 8 8 5 0 5 | Easting 2 8 8 5 7 6 |
| | Northing 6 1 9 0 3 8 6 | Northing 6 1 9 0 3 2 0 |
| | Time (24 h): 17:35 | Time (24 h): 18:10 (with 5 mins listening) |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Up and downstream of Mark's transect: creekline that leads into Lake Avon. | | |

Vant's transect: 0.5 person hour.

Survey Details
Number of surveyors? 3 (only 2 counted) Total effort (person hours)? 1hr 40mins (total of 2 transects)
Number of hectares covered? towards effort.

3hr 100m transect: 1 person hour + 5 mins listening
2hr 50m transect: 40 person minutes.

Weather at start of survey
Cloud cover: 7/8 Moon: -
Wind Direction and speed: Still Rain: -
Temperature (C): Mild
Comments:

Five done in total 2hrs 10mins for this site.

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=none, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Note: only 2 person's time counted towards effort as TP on PD.

| Observation types | | | | | |
|----------------------------|--------------------|----------------------------|-------------------|----------------------------|----------------------|
| <input type="checkbox"/> O | Observed (sighted) | <input type="checkbox"/> R | Road kill | <input type="checkbox"/> F | Tracks, scratching |
| <input type="checkbox"/> Y | Heard call | <input type="checkbox"/> D | Dog kill | <input type="checkbox"/> Z | In raptor/owl pellet |
| <input type="checkbox"/> X | In scat | <input type="checkbox"/> C | Cat kill | <input type="checkbox"/> M | Miscellaneous |
| <input type="checkbox"/> T | Trapped or netted | <input type="checkbox"/> V | Fox kill | <input type="checkbox"/> E | Nest or roost |
| <input type="checkbox"/> H | Hair or feathers | <input type="checkbox"/> S | Shot | <input type="checkbox"/> Y | Bones or teeth |
| <input type="checkbox"/> A | Stranded/beached | <input type="checkbox"/> B | Fossil/sub-fossil | <input type="checkbox"/> N | Not located |

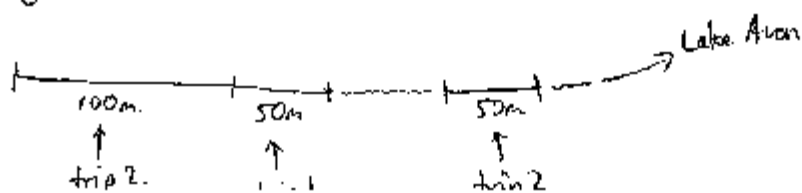
50m transect:

| Microhabitat Type | | | | | |
|-----------------------------|----------------------|-----------------------------|----------------|-----------------------------|---------------|
| <input type="checkbox"/> AC | Flying above canopy | <input type="checkbox"/> IB | In burrow | <input type="checkbox"/> OB | On beach sand |
| <input type="checkbox"/> BR | In/on bridge | <input type="checkbox"/> IC | In cave | <input type="checkbox"/> OL | On log |
| <input type="checkbox"/> BU | In building | <input type="checkbox"/> IG | In grass | <input type="checkbox"/> OR | On rock |
| <input type="checkbox"/> CK | Crevice in rock | <input type="checkbox"/> IH | In tree hollow | <input type="checkbox"/> OW | Over water |
| <input type="checkbox"/> CL | Crevice in log | <input type="checkbox"/> IL | In litter | <input type="checkbox"/> OD | On road |
| <input type="checkbox"/> DA | Farm/fire dam | <input type="checkbox"/> IR | In reeds | <input type="checkbox"/> TR | ON trunk |
| <input type="checkbox"/> DT | In dead tree (stag) | <input type="checkbox"/> IS | In soil | <input type="checkbox"/> UB | Under bark |
| <input type="checkbox"/> EW | Edge of water | <input type="checkbox"/> IT | In live tree | <input type="checkbox"/> UC | Upper canopy |
| <input type="checkbox"/> FC | In/on post or stump | <input type="checkbox"/> IW | In water | <input type="checkbox"/> UG | Undergrowth |
| <input type="checkbox"/> RL | Flying within canopy | <input type="checkbox"/> LC | Lower canopy | <input type="checkbox"/> UL | Under log |
| <input type="checkbox"/> GR | On ground | <input type="checkbox"/> LS | Low shrub | <input type="checkbox"/> UR | Under rock |
| <input type="checkbox"/> HS | High shrub | <input type="checkbox"/> MC | Mid canopy | <input type="checkbox"/> WH | Waterhole |

Start: 5470 Finish: 5471
288460/6190501 288437/6190553
18:10 18:30

| Species | Ob. type | Habitat type | Number | Easting | Northing | Accuracy |
|---|----------|--------------|------------------|--------------------------------|----------|-------------------|
| <u>5 minutes listening period:</u> | | | | | | |
| <i>Crinia signifera</i> | x 1 | (H) | in 100m transect | (upstream of Mark's transect). | | |
| <i>Litoria littlejohni</i> | x 2 | (H) | in 50m transect | (d/stream " " " ") | | |
| <i>Litoria citropa</i> | x 1 | (H) | in 50m transect | (" " " " " ") | | |
| <u>100m transect:</u> | | | | | | |
| just the same <i>Crinia</i> from above. | | | | | | |
| LOTS of various tadpoles incl. possible Littlejohns. | | | | | | |
| <u>50m transect:</u> | | | | | | |
| The same 2 Littlejohns from above (plus possibly 1 more). | | | | | | |
| 1x observed Littlejohn (one of the calling one's - throat distended). | | | | | | |
| <i>Crinia signifera</i> | x 3 | (H) | | | | |
| <i>Litoria citropa</i> | x 1 | (OH) | | | | |
| LOTS of various tadpoles... | | | | | | |
| <i>Litoria ewingi</i> or <i>verreauxii</i> | x 1 | (H) | | | | Only called once. |
| <u>Incidentals:</u> | | | | | | |
| Boobook owl x 1 (H) | | | | | | |
| Microbats x many (O) | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Transect diagram:



ENTIRE (D) 299

29 JUN 2007

SLO3-SP-Frogs-Cully



BIOSIS

Spotlighting Survey Proforma

Project #: 4447
 Observer: MV RSM
 Date: 17/14/07

| Location and timing | Start | Finish |
|---|------------------------|-------------------------------------|
| MGA Zone: | Easting 29 09 45 | Easting [] [] [] [] N8L |
| | Northing 6 1 9 7 3 6 2 | Northing [] [] [] [] (VCM 2200) |
| | Time (24 h): 22:10 | Time (24 h): 23:10 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: WONGWILLI CR UPSTREAM OF RD 6 | | |

Survey Details

| | |
|-----------------------------|-------------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 18 2-0 |
| Number of hectares covered? | |

Weather at start of survey

| | |
|------------------------------------|---------|
| Cloud cover: 0 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: 0 |
| Temperature (°C): 12 | |
| Comments: GOOD LITTLE SHAD HABITAT | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types:

| | | |
|-----------------------|----------------------|-------------------------|
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | E: Nest or roost |
| H: Hair or feathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | I: Fossil/sub-fossil | N: Not located |

Microhabitat Type:

| | | |
|--------------------------|--------------------|-------------------|
| AC: Flying above canopy | IB: In burrow | OB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BE: In building | IG: In grass | OR: On rock |
| CK: Crevice in rock | II: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| DA: Farm/fire dam | IR: In reeds | TK: ON trunk |
| DI: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| FC: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |

ENTERED 298 129 JUN 2007

S100 - SP - Frogs - Gully

S102

GPS # 8



BIOSIS

Spotlighting Survey Proforma

Project #: 4447
 Observer: MV RMM
 Date: 18/9/07

GPS # 8

| Location and timing | Start S100 | S102 Finish |
|--|-------------------|-------------------|
| MGA Zone: | Fasting 021819435 | Fasting 021819436 |
| | Northing 6195337 | Northing 6195177 |
| | Time (24 h): 1900 | Time (24 h): 2000 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: DONALD'S CASTLE CR 4000m HOLES / 1.7km ENDS IN OPEN SWAMP / CR IS WINDY IN PARTS. | | |

GPS 1.7km #8

Survey Details

Number of surveyors? 2 Total effort (person hours)? 2-0
 Number of hectares covered?

Weather at start of survey

Cloud cover: 51% Moon: 0
 Wind Direction and speed: 0 Rain: 0
 Temperature (°C): 15°
 Comments:

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2 Moon, 4= Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|---------------------------------------|--------------------|---|
| <input checked="" type="checkbox"/> O | Observed (sighted) | <input type="checkbox"/> R Road kill |
| <input checked="" type="checkbox"/> W | Heard call | <input type="checkbox"/> D Dog kill |
| <input checked="" type="checkbox"/> X | In scat | <input type="checkbox"/> C Cat kill |
| <input type="checkbox"/> T | Trapped or netted | <input type="checkbox"/> V Fox kill |
| <input type="checkbox"/> H | Hair or feathers | <input type="checkbox"/> S Shot |
| <input type="checkbox"/> A | Stranded/beached | <input type="checkbox"/> F Fossil/sub-fossil |
| | | <input type="checkbox"/> E Tracks, scratching |
| | | <input type="checkbox"/> Z In raptor/owl pellet |
| | | <input type="checkbox"/> M Miscellaneous |
| | | <input type="checkbox"/> N Nest or roost |
| | | <input type="checkbox"/> Y Bones or teeth |
| | | <input type="checkbox"/> N Not located |

| Microhabitat Type | | |
|-----------------------------|----------------------|--|
| <input type="checkbox"/> AC | Flying above canopy | <input type="checkbox"/> IB In burrow |
| <input type="checkbox"/> BR | In/on bridge | <input type="checkbox"/> IC In cave |
| <input type="checkbox"/> BU | In building | <input type="checkbox"/> IG In grass |
| <input type="checkbox"/> CR | Crevise in rock | <input type="checkbox"/> IH In tree hollow |
| <input type="checkbox"/> CL | Crevise in log | <input type="checkbox"/> IL In litter |
| <input type="checkbox"/> FA | Farm/fire dam | <input type="checkbox"/> IR In reeds |
| <input type="checkbox"/> DE | In dead tree (stag) | <input type="checkbox"/> IS In soil |
| <input type="checkbox"/> EW | Edge of water | <input type="checkbox"/> IT In live tree |
| <input type="checkbox"/> FC | In/on post or stump | <input type="checkbox"/> IW In water |
| <input type="checkbox"/> FL | Flying within canopy | <input type="checkbox"/> LC Lower canopy |
| <input type="checkbox"/> GR | On ground | <input type="checkbox"/> LS Low shrub |
| <input type="checkbox"/> HS | High shrub | <input type="checkbox"/> MC Mid canopy |
| | | <input type="checkbox"/> OB On beach sand |
| | | <input type="checkbox"/> OL Or log |
| | | <input type="checkbox"/> OR On rock |
| | | <input type="checkbox"/> OW Over water |
| | | <input type="checkbox"/> RO Or road |
| | | <input type="checkbox"/> TR ON trunk |
| | | <input type="checkbox"/> UB Under bark |
| | | <input type="checkbox"/> UC Upper canopy |
| | | <input type="checkbox"/> UG Undergrowth |
| | | <input type="checkbox"/> UL Under log |
| | | <input type="checkbox"/> UR Under rock |
| | | <input type="checkbox"/> WH Waterhole |

ENTERED
296

29 JUN 2007

S322 → S323 SP-Frogs - Crilly



Spotlighting Survey Proforma

| |
|---------------------|
| Project #: 4497 |
| Observer: KJC + NEO |
| Date: 23/04/07 |

| | | |
|--|--------------------|--------------------|
| Location and timing | S322 Start | S323 Finish |
| MGA Zone: 56 GCS#4 | Easting 293763 | Easting 293751 |
| | Northing 6191559 | Northing 6191766 |
| | Time (24 h): 21.30 | Time (24 h): 22.30 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Sandy Creek - transect runs from Sandy CK / Waratah intersection downstream 200m. | | |

| | |
|----------------------------------|---------------------------------|
| Survey Details | |
| Number of surveyors? 1-0 | Total effort (person hours)? 20 |
| Number of hectares covered? 200m | |

| | |
|---|---------------|
| Weather at start of survey | |
| Cloud cover: 8 | Moon: ? |
| Wind Direction and speed: 2 - all | Rain: pouring |
| Temperature (°C): COLD directions | |
| Comments: Not ideal frog survey conditions | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1=¼ Moon, 2=½ Moon, 4=Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|--------------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | B | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | L | Not located |

| | | | | | |
|--------------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AG | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

Not Entered
29 JUN 2007

S320 → S321 3P - Frogs - Antly.



**Spotlighting Survey
Proforma**

| |
|---------------------|
| Project #: 4447 |
| Observer: KJC + NEO |
| Date: 23/04/07 |

| | | |
|---------------------|----------------------|--------------------|
| Location and timing | S320 Start | S321 Finish |
| MGA Zone: 56 | GPS#4 Easting 293968 | Easting 293883 |
| | Northing 6191305 | Northing 6191462 |
| | Time (24 h): 20.00 | Time (24 h): 21.00 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:
Waratah CK - from 6C/Waratah intersection
downstream towards (transect ends 170m short of
Sandy CK)

| | |
|----------------------------------|--------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 2 |
| Number of hectares covered? 200m | |

| | |
|--|------------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: ? |
| Wind Direction and speed: | Rain: rain |
| Temperature (°C): cold | |
| Comments: | |
| New spotlight ran out after 40 mins - need replacing | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|----------|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| | | E | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | N | Nest or roost |
| | | B | Bones or teeth |
| | | L | Not located |

| Microhabitat Type | | | |
|-------------------|----------------------|-----------|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BD | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| ES | High shrub | MG | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TR | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

245 - starting up bridge

ENTRERED 295

S273 → S274 3P - Frogs - Gully

29 JUN 2007

check? possible same



Spotlighting Survey Proforma

Project #: 4447
 Observer: KJC + NEO
 Date: 20/04/07

| | | |
|----------------------------|------------------------|--------------------|
| Location and timing | Wpt = 273 Start | 274 Finish |
| MGA Zone: 56 UTM#4 | Easting 27394 | Easting 27456 |
| | Northing 619172 | Northing 619152 |
| | Time (24 h): 19:30 | Time (24 h): 20:30 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description: Wongawilli Trudy farm which runs alongside long swamp accessed from h.F. We accessed creek from Wongawilli creek, transect starts and drop off to Wongawilli Creek and heads upstream downstream creek
 At 60m creek disappeared into swamp

Survey Details

| | |
|---|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 2.0 |
| Number of hectares covered? 160m transect | |

Weather at start of survey

| | |
|---|-----------|
| Cloud cover: 8 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 61% 17.3°C | |
| Comments: Allowed call playback for L. [unclear] to [unclear] [unclear] | |

Potential *G. vittata* habitat

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - 1/8 Moon, 2 - 1/4 Moon, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

Observation types

| | | |
|-----------------------|----------------------|-------------------------|
| O: Observed (sighted) | R: Road kill | P: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | N: Nest or roost |
| H: Hair or feathers | S: Shot | B: Bones or teeth |
| A: Stranded/beached | F: Fossil/sub-fossil | L: Not located |

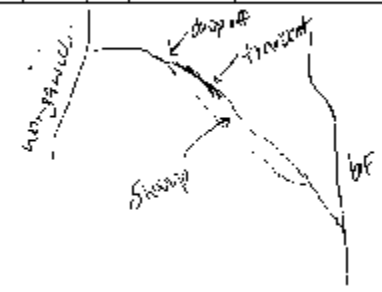
Microhabitat Type

| | | |
|--------------------------|--------------------|-------------------|
| AC: Flying above canopy | IB: In burrow | OB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CR: Crevice in rock | IH: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| DA: Farm/fire dam | IR: In reeds | TK: ON trunk |
| DE: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| FC: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |

back to vehicle 21:20

Response

| Species | Obs type | Habitat type | Number | Easting | Northing | Accuracy |
|-------------------------------|----------|--------------|--------|---------|----------|----------|
| Orinoco swamp | H | - | 1 | | | |
| White-Striped Freetail Bat | H | - | 1 | | | |
| Southern Booby Owl | H | - | 1 | | | |
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ENTERED 284

29 JUN 2007

S243 → S247

Sp. Frogs - Gully



Spotlighting Survey Proforma

Project #: 4447
Observer: KJC + NEO
Date: 19/04/07

| | | |
|-----------------------------|------------------------|-------------------------|
| Location and timing: | map = 243 Start | map = 247 Finish |
| MGA Zone: 56 GPS44 | Easting 293974 | Easting 290767 |
| | Northing 6114311 | Northing 6193869 |
| | Time (24 h): 23.55 | Time (24 h): 00.55 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:
 Dongaiddi creek middle section Gully habitat
 Transect goes from CP site upstream for 200m.

Survey Details:
 Number of surveyors? 2
 Total effort (person hours)? 2.0
 Number of hectares covered? 200m

Weather at start of survey:
 Cloud cover: 0/8
 Moon: 0
 Wind Direction and speed: 0
 Rain: Nil
 Temperature (°C): 16.1°C 94°F
 Comments: Fine + calm.
 Very deep pools, 2-3m deep, recessed in mud in middle of gully.
 Deep pools: 10-20m deep, 1-2m wide, 1-2m apart, shallow debris
 10-20m apart, 1-2m deep, 1-2m wide, 1-2m apart, shallow debris

Cloud cover: Record cover in eights of sky. Single cirrus at 120m.
 Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | T : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | F : Fox kill | N : Nest or roost |
| H : Hair or feathers | S : Shot | B : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | L : Not located |

Microhabitat Type

| | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TR : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| KC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

G065 is 230m NNE of 247
 G064 is 320m NNE "

ENTERED
29 JUN 2007

S244 → S246 Sp. Frogs - Gully



Spotlighting Survey
Proforma

Project #: 4447
Observer: KJC + NEO
Date: 19/04/07

| | | |
|---|--------------------|--------------------|
| Location and timing | 244 Start | 246 Finish |
| MGA Zone: S6 GCS#4 | Easting 290691 | Easting 290578 |
| | Northing 6194285 | Northing 6194644 |
| | Time (24 h): 22.35 | Time (24 h): 23.35 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Wongahulla Creek - access via X04. Transect continues 200m downstream of first downstream transect past CP site. GDS1 85m NW of 246 | | |

| | |
|----------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 2.0 |
| Number of hectares covered? 200m | |

| | |
|-----------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 2/8 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 14-16°C 74-61°F | |
| Comments: Slightly humid. | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2 Moon, 4= Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-----------------------------|----------------------------|-------------------------------|--|
| Observation Types | | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching | |
| W Heard call | D Dog kill | Z In raptor/owl pellet | |
| X In scat | C Cat kill | M Miscellaneous | |
| T Trapped or netted | V Fox kill | E Nest or roost | |
| H Hair or feathers | S Shot | Y Bones or teeth | |
| A Stranded/beached | I Fossil/sub-fossil | N Not located | |

| | | | |
|--------------------------------|--------------------------|-------------------------|--|
| Microhabitat Type | | | |
| AC Flying above canopy | IB In burrow | OB On beach sand | |
| BR In/on bridge | IC In cave | OL On log | |
| BU In building | IG In grass | OR On rock | |
| CK Crevice in rock | IH In tree hollow | OW Over water | |
| CL Crevice in log | IL In litter | RD On road | |
| CA Farm/fire dam | IR In reeds | RT ON trunk | |
| DT In dead tree (stag) | IS In soil | UB Under bark | |
| EW Edge of water | IT In live tree | UC Upper canopy | |
| FL In/on post or stump | IW In water | UG Undergrowth | |
| FC Flying within canopy | LC Lower canopy | UL Under log | |
| GR On ground | LS Low shrub | UR Under rock | |
| HS High shrub | MC Mid canopy | WH Waterhole | |

ENTERED 292 D 29 JUN 2007

S243 → S244 Sp - Frogs - Cudjoe



Spotlighting Survey Proforma

Project #: 2447
 Observer: KJC + NEO
 Date: 19/04/07

| | | |
|-----------------------------------|--------------------------|--------------------------|
| Location and timing | Spot = 243 Start | Spot = 244 Finish |
| MGA Zone: <u>56</u> GPS# <u>4</u> | Easting <u>42313722</u> | Easting <u>42310691</u> |
| | Northing <u>61194038</u> | Northing <u>61194285</u> |
| | Time (24 h): <u>2.35</u> | Time (24 h): <u>2.35</u> |
| Map sheet Name: | Map sheet number: | LGA: |

Location description: Wangarrilla creek - middle section Cudjoe Island
Traverse runs from CP site downstream for 200m

| | |
|---|---|
| Survey Details | |
| Number of surveyors? <u>2</u> | Total effort (person hours)? <u>2.0</u> |
| Number of hectares covered? <u>200m</u> | |

| | |
|--|------------------|
| Weather at start of survey | |
| Cloud cover: <u>3/8</u> | Moon: <u>0</u> |
| Wind Direction and speed: <u>0</u> | Rain: <u>Nil</u> |
| Temperature (°C): <u>15.4 °C, 81.9 °C</u> | |
| Comments: <u>Mostly large deep overcast pool. No birds. 12km of</u> <u>transverse ridge. Very low clouds. Stream low. Many</u> <u>large plates of embedded rock platforms.</u> | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|---------------------------------------|--------------------|----------------------------|-------------------|----------------------------|----------------------|
| Observation types | | | | | |
| <input type="checkbox"/> O | Observed (sighted) | <input type="checkbox"/> R | Road kill | <input type="checkbox"/> F | Tracks, scratching |
| <input type="checkbox"/> W | Heard call | <input type="checkbox"/> D | Dog kill | <input type="checkbox"/> Z | In raptor/owl pellet |
| <input checked="" type="checkbox"/> X | In seat | <input type="checkbox"/> C | Cat kill | <input type="checkbox"/> M | Miscellaneous |
| <input type="checkbox"/> T | Trapped or netted | <input type="checkbox"/> V | Fox kill | <input type="checkbox"/> E | Nest or roost |
| <input type="checkbox"/> H | Hair or feathers | <input type="checkbox"/> S | Shot | <input type="checkbox"/> Y | Bones or teeth |
| <input type="checkbox"/> A | Stranded/beached | <input type="checkbox"/> I | Fossil/sub-fossil | <input type="checkbox"/> N | Not located |

| | | | | | |
|-----------------------------|----------------------|-----------------------------|----------------|-----------------------------|---------------|
| Microhabitat Type | | | | | |
| <input type="checkbox"/> AC | Flying above canopy | <input type="checkbox"/> IB | In burrow | <input type="checkbox"/> OB | On beach sand |
| <input type="checkbox"/> BR | In/on bridge | <input type="checkbox"/> IC | In cave | <input type="checkbox"/> OL | On log |
| <input type="checkbox"/> BU | In building | <input type="checkbox"/> IG | In grass | <input type="checkbox"/> OR | On rock |
| <input type="checkbox"/> CK | Crevice in rock | <input type="checkbox"/> IH | In tree hollow | <input type="checkbox"/> OW | Over water |
| <input type="checkbox"/> CL | Crevice in log | <input type="checkbox"/> IS | In litter | <input type="checkbox"/> RD | On road |
| <input type="checkbox"/> DA | Farm/fire dam | <input type="checkbox"/> IR | In reeds | <input type="checkbox"/> TR | ON trunk |
| <input type="checkbox"/> DT | In dead tree (stag) | <input type="checkbox"/> IS | In soil | <input type="checkbox"/> UB | Under bark |
| <input type="checkbox"/> EW | Edge of water | <input type="checkbox"/> IT | In live tree | <input type="checkbox"/> UC | Upper canopy |
| <input type="checkbox"/> FC | In/on post or stump | <input type="checkbox"/> IW | In water | <input type="checkbox"/> UG | Undergrowth |
| <input type="checkbox"/> FL | Flying within canopy | <input type="checkbox"/> LC | Lower canopy | <input type="checkbox"/> UL | Under log |
| <input type="checkbox"/> GR | On ground | <input type="checkbox"/> LS | Low shrub | <input type="checkbox"/> UR | Under rock |
| <input type="checkbox"/> HS | High shrub | <input type="checkbox"/> MC | Mid canopy | <input type="checkbox"/> WH | Waterhole |

| Species | Obs. type | Habitat type | Number | Easting | Northing | Accuracy |
|--|-----------|--------------|--------|---|----------|----------|
| <i>Crinia sigules</i> | H | - | 11 (3) | <div style="border: 2px solid black; padding: 5px; display: inline-block; transform: rotate(45deg); width: 80%; height: 80%; text-align: center;"> <p>Old ITR Lumber (2)</p> <p>Something large in water pass. by ITR which is some distance</p> </div> | 11 (3) | |
| <i>Litania phylloschisma</i> <i>nuda</i> (S. G. & T.) | O | on shore | 11 (2) | | 11 | |
| <i>Litania phylloschisma</i> | H | - | 11 (3) | | 11 | |
| Eastern Water Dragon | O | NW | 11 (1) | | | |
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SP# 2 ~~244~~ → 246
27.75 - ~~23.35~~
-77.7 - ~~146.26~~ -
GWSI 85m NW

ENTERED 29

29 JUN 2007

5203 → 5237

SP-Fog-Cully



Spotlighting Survey Proforma

Project #: 4647
 Observer: KGC + NCO
 Date: 18/04/07

| | | |
|----------------------|--------------------|--------------------|
| Location and timing: | Start | Finish |
| MGA Zone: 56 203 | Easting 290062 | Easting 291925 |
| | Northing 619349 | Northing 619325 |
| | Time (24 h): 22:50 | Time (24 h): 23:40 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:
 Along road - transect starts at crossing with water track and road upstream from road.

| | |
|----------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 2.0 |
| Number of hectares covered? 200m | |

| | |
|----------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 0 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 13.2 °C 7.6 °C | |

Comments: 200m transect, 50% cover, all mostly debris with a small amount of vegetation. No birds seen. 0-20 birds per hour range.

Cloud cover: Record cover in eights of sky.
 Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2 Moon, 4=Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|----------------------------|--------------------|----------------------------|-------------------|----------------------------|----------------------|
| <input type="checkbox"/> O | Observed (sighted) | <input type="checkbox"/> R | Road kill | <input type="checkbox"/> P | Tracks, scratching |
| <input type="checkbox"/> W | Heard call | <input type="checkbox"/> D | Dog kill | <input type="checkbox"/> Z | In raptor/owl pellet |
| <input type="checkbox"/> X | In scat | <input type="checkbox"/> C | Cat kill | <input type="checkbox"/> M | Miscellaneous |
| <input type="checkbox"/> T | Trapped or netted | <input type="checkbox"/> V | Fox kill | <input type="checkbox"/> E | Nest or roost |
| <input type="checkbox"/> H | Hair or feathers | <input type="checkbox"/> S | Shot | <input type="checkbox"/> Y | Bones or teeth |
| <input type="checkbox"/> A | Stranded/beached | <input type="checkbox"/> F | Fossil/sub-fossil | <input type="checkbox"/> N | Not located |

| | | | | | |
|-----------------------------|----------------------|-----------------------------|----------------|-----------------------------|---------------|
| <input type="checkbox"/> AC | Flying above canopy | <input type="checkbox"/> IB | In burrow | <input type="checkbox"/> OB | On beach sand |
| <input type="checkbox"/> BR | In/on bridge | <input type="checkbox"/> IC | In cave | <input type="checkbox"/> OL | On log |
| <input type="checkbox"/> BU | In building | <input type="checkbox"/> IG | In grass | <input type="checkbox"/> OR | On rock |
| <input type="checkbox"/> CK | Crevice in rock | <input type="checkbox"/> IH | In tree hollow | <input type="checkbox"/> OW | Over water |
| <input type="checkbox"/> CL | Crevice in log | <input type="checkbox"/> IL | In litter | <input type="checkbox"/> RR | On road |
| <input type="checkbox"/> DA | Dam/fire dam | <input type="checkbox"/> IR | In reeds | <input type="checkbox"/> TR | ON trunk |
| <input type="checkbox"/> DT | In dead tree (stag) | <input type="checkbox"/> IS | In soil | <input type="checkbox"/> UB | Under bark |
| <input type="checkbox"/> EW | Edge of water | <input type="checkbox"/> IT | In live tree | <input type="checkbox"/> UC | Upper canopy |
| <input type="checkbox"/> FC | In/on post or stump | <input type="checkbox"/> IW | In water | <input type="checkbox"/> UG | Undergrowth |
| <input type="checkbox"/> FL | Flying within canopy | <input type="checkbox"/> LW | Lower canopy | <input type="checkbox"/> UL | Under log |
| <input type="checkbox"/> GR | On ground | <input type="checkbox"/> LS | Low shrub | <input type="checkbox"/> UR | Under rock |
| <input type="checkbox"/> HS | High shrub | <input type="checkbox"/> MC | Mid canopy | <input type="checkbox"/> WH | Waterhole |

ENTERED 290 29 JUN 2007

S212 → S215 Sp. Frogs - Gully



Spotlighting Survey Proforma

Project #: 4447
 Observer: KC + NEO
 Date: 17/04/07

| | | | |
|---|-------------------|--------------------------|--------------------------|
| Location and timing: | | Wpt = 212 Start | Wpt = 215 Finish |
| MGA Zone: 56 | CRS#4 | Easting 291494 | Easting 291416 |
| | | Northing 6697579 | Northing 6693762 |
| | | Time (24 h): 23-30-23:50 | Time (24 h): 00:20-01:30 |
| Map sheet Name: | Map sheet number: | (29) | LGA: |
| Location description: 616C Intersection Creek - transect runs from fire road to downstream. Easy to access but outside study area. Potential <i>Littoridin</i> habitat. | | | |

Survey Details

Number of surveyors? 2 Total effort (person hours)? 2-0
 Number of hectares covered? 2.0m

Weather at start of survey

Cloud cover: 0/0 Moon: 0
 Wind Direction and speed: 0 Rain: Nil, fire mist
 Temperature (°C): 16-2°C, 72%
 Comments: Stream - several large deep pools. Sandstone benching runs with exposed silt. lots of fallen wood. debris. A few runs and small waterfalls. Dense smothering vegetation on banks. Sandstone banks. Several grazed.

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

Observation types

| | | | | | |
|---|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | E | Tracks, scratching |
| H | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| F | Hair or feathers | S | Shot | B | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

Microhabitat Type

| | | | | | |
|----|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OR | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CR | Crevice in rock | JH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| IC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

| Species | Ob. type | Habitat type | Number | Easting | Northing | Accuracy |
|-------------------------|----------|--------------|--------|---------|----------|----------|
| <i>Onitis asynictus</i> | 11 | - | E 415 | | | |
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Party at Indopoloo - all large dark species



Spotlighting Survey Proforma

Project #: 4447
Observer: KJC + NEO
Date: 17/04/07

| | | | | |
|--|-----------|-------------------|----------|---------------|
| Location and timing | Wpt = 212 | Start | S213 | Finish |
| MGA Zone: 56 | GPS# 4 | Easting | 2191496 | Easting |
| | | Northing | 61197575 | Northing |
| | | Time (24 h): | 22-20 | Time (24 h): |
| Map sheet Name: | | Map sheet number: | | UGA: |
| Location description: S16C intersection creek - transect runs from crossing with to upstream for 200m. | | | | |

Survey Details:

Number of surveyors? 2 Total effort (person hours)? 2.0
 Number of hectares covered? 2.00

Weather at start of survey:

Cloud cover: 0/8 Moon: 0
 Wind Direction and speed: 0 Rain: Nil
 Temperature (°C): 13.5°C 81.9°

Comments:

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1=¼ Moon, 2=½ Moon, 4= Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| | | Y | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | E | Nest or roost |
| | | B | Bones or teeth |
| | | N | Not located |

| Microhabitat Type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BI | In building | IG | In grass |
| CR | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DI | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OY | Over water |
| | | RD | On road |
| | | TR | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

| Species | Obj. type | Habitat type | Number | Easting | Northing | Accuracy |
|-------------------------------|-----------|--------------|--------|-------------|----------|----------|
| Gerrhonotus marmoratus (A) | 0 | DR | 1 | | | |
| Gerrhonotus signatus (A) | 7 | | | | | |
| Litania chrysa (A) | 0 | | 1 | | | |
| Litania lasiura (A) | 1 | | 1 | | | |
| Litania poyarkovi (A) | 0 | | 1 | | | |
| Gerrhonotus signatus (A) | 11 | | 5 | downstream. | | |
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3 different species of tadpoles observed - large - dark
 - spotty - pink + brown
 - yellow brown striped - kitten

Several metamorphs (0)

ENTRANCE
287

28 JUN 2007



**Spotlighting Survey
Proforma**

Project #: 4447
Observer: KJC + mw
Date: 16-04-07

| Location and timing | | Start | Finish |
|---|------------------------|---------------------|--------------------|
| MGA Zone: 56 | Easting 213 014 57 | Fasting 2 9 5 3 0 4 | |
| | Northing 6 1 9 4 0 8 7 | Time (24 h): 22:45 | Time (24 h): 23:45 |
| Map sheet Name: | Map sheet number: | T.G.A.: | |
| Location description: Lukes Creek - northern most section below a drop off into Wongamilla Creek. Traced out at large pool. | | | |

Acc 10:5

| Survey Details | |
|---------------------------------------|------------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 2 hrs |
| Number of hectares covered? 200m | |
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 11°C 89% | |
| Comments: Good little - johni habitat | |

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0=None, 1 = 1/2 Moon, 2 = 1/4 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

| Microhabitat Type | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL Or log |
| BU In building | IG In grass | OR Or rock |
| CR Crevice in rock | IR In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | LR In reeds | TK ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

ENTERED 28 JUN 2007



Spotlighting Survey Proforma

| |
|--------------------------|
| Project #: 4447 |
| Observer: RJC, MV |
| Date: 17-04-07 |

| | |
|--|-------------------|
| Location and timing: Start | Finish |
| MGA Zone: 56 CPS#4 Easting 2710052 | Easting 2710117 |
| Northing 611934000 | Northing 6119358 |
| Time (24 h): 01:05 | Time (24 h): |
| Map sheet Name: | Map sheet number: |
| LGA: | |
| Location description: Luke's creek - Transect starts at crossing of Luke's track and Luke's creek and heads downstream (North) | |

| | |
|----------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 2.0 |
| Number of hectares covered? 200m | |

| | |
|-----------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 17.6 | |
| Comments: Good. High humidity | |

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0= None, 1 = 1/8 Moon, 2 = 1/4 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|--------------------------|--------------------|----------|-------------------|----------|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Car kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | U | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|--------------------------|----------------------|-----------|----------------|-----------|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | JG | In grass | OR | On rock |
| CR | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

| Species | Obs. type | Habitat type | Number | Easting | Northing | Accuracy |
|-------------------------------|-----------|--------------|--------|---------|----------|----------|
| <i>Enterobacter aerogenes</i> | 0 | On dog | 1 | | | |
| <i>Enterobacter aerogenes</i> | 0 | On dog | 2 | | | |
| <i>Enterobacter aerogenes</i> | H | | | | | |
| <i>Enterobacter aerogenes</i> | | | | | | |
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Enterobacter aerogenes
Enterobacter aerogenes
Enterobacter aerogenes
Enterobacter aerogenes

ENTERED 286

38 JUN 2007
JUN 2007



Spotlighting Survey Proforma

BIOSIS

Nocturnal stream search - frogs - gully.

| |
|--------------------|
| Project #: 4447 |
| Observer: JC + RWB |
| Date: 23.4.07 |

| | | |
|---|------------------------|------------------------|
| Location and timing | Start S74 | Finish S75 |
| MGA Zone: | Lasting 2 9 2 4 2 2 | Lasting 2 9 2 5 1 0 |
| | Northing 6 1 9 5 6 3 3 | Northing 6 1 9 5 7 5 5 |
| | Time (24 h): 19:32 | Time (24 h): 20:32 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Drainage line off 6C under powerline easement, heads towards Lake Cordoux. | | |

| | |
|----------------------------------|------------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 2 hrs |
| Number of hectares covered? 150m | |

| | |
|---|------------------|
| Weather at start of survey | |
| Cloud cover: 5/8 | Moon: Half |
| Wind Direction and speed: Breeze on tree tops. | Rain: Spritting. |
| Temperature (°C): 13-2 | Humidity = 92% |
| Comments: Saw 1 in a Poolside x 2 (H) Water was turbid so, possibly preventing anubis nightjar | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | |
|-----------------------------|----------------------------|-------------------------------|
| Observation types: | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| M Heard call | D Dog kill | Z In raptor/owl pellet |
| K In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | N Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat type | | |
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| DD In building | IG In grass | OR On rock |
| CR Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TR ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| EC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

ENTERED
284

28 JUN 2007



Spotlighting Survey
Proforma

Project #: 4447

Observer: JC & RUB

Date: 22/4/07

GULLY FROG STREAM SEARCH

| | | | |
|--|--------------------|--------------------|------------|
| Location and timing | | Start 568 | Finish 569 |
| MGA Zone: S6. | Easting 289669 | Easting 289665 | |
| | Northing 6194270 | Northing 6194429 | |
| | Time (24 h): 20:24 | Time (24 h): 21:29 | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Downstream of point 568 entrance via Luke's track | | FROM STREAM SEARCH | |

| | |
|-----------------------------------|-------------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 2 hrs. |
| Number of hectares covered? 200m. | |

| | |
|--|-----------------------------|
| Weather at start of survey | |
| Cloud cover: 7/8 | Moon: moderate - dir. light |
| Wind Direction and speed: NIL | Rain: NIL |
| Temperature (°C): 14°C | Ho 91% |
| Comments: Smia listening, white striped hermit bat, Sugar glider (H) Macropod sp. (H) Crinia signifera SE of transect beginning (H) | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|--------------------------|--------------------|----|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| | | TR | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | E | Nest or roost |
| | | B | Bones or teeth |
| | | N | Not located |

| | | | |
|--------------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | JG | In grass |
| EK | Crevice in rock | IH | In tree hollow |
| LE | Crevice in log | IL | In litter |
| DA | Farm/tire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | RS | ON trunk |
| | | UD | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

ENTERED 28 JUN 2007



BIOSIS

Spotlighting Survey Proforma

Project #: 4447

Observer: JC & RNB

Date: 22/4/07

GULLY FROG STREAM SEARCH

| | | |
|---|--------------------|--------------------|
| Location and timing | S69 Start | Finish S70 |
| MGA Zone: S6 | Easting 289605 | Easting 289486 |
| | Northing 6194429 | Northing 6194587 |
| | Time (24 h): 21:29 | Time (24 h): 22:29 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Donald's Castle Creek FROG STREAM SEARCH Continuing downstream from point S69 Entrance via Luke's track | | |

| | |
|----------------------------------|--------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 2 |
| Number of hectares covered? 200m | |

| | |
|-----------------------------------|------------|
| Weather at start of survey | |
| Cloud cover: 2/8 | Moon: dim. |
| Wind Direction and speed: breeze | Rain: NIL |
| Temperature (°C): 14°C | H = 91% |
| Comments: 1x Macropod sp. (H) | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2 Moon, 4=Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0=calm, 1=light, leaves rustle, 2=moderate, branches move, 3=strong, tops of trees move.

| | | |
|-----------------------------|----------------------------|-------------------------------|
| Observation types | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat Type | | |
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| EK Crevice in rock | IH In tree hollow | OW Over water |
| EL Crevice in log | IJ In litter | RO On road |
| DA Farm/fire dam | IR In reeds | TR ON trunk |
| DI In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

ENTERED 263

28 JUN 2007



Spotlighting Survey Proforma

| |
|--------------------|
| Project #: 4447 |
| Observer: RVB + JC |
| Date: 17.4.07 |

Nocturnal Stream search (frogs) - gully

| | | |
|---------------------|--------------------|--------------------|
| Location and timing | Start S17 | Finish S18 |
| MGA Zone: | Easting 289957 | Easting 289901 |
| | Northing 6193030 | Northing 6193183 |
| | Time (24 h): 22:12 | Time (24 h): 23:12 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:

Creek adjacent to Luke's track (east of track). Gully site.
 Transect begins just north-east of 203.

| | |
|------------------------------------|-----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 2hrs |
| Number of hectares covered? ≈ 200m | |

| | |
|---------------------------------|---------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: None |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 11.8°C | Humidity: 91% |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------|----------------------|-------------------------|
| Observation types | | |
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | E: Nest or roost |
| H: Hair or feathers | S: Shot | B: Bones or teeth |
| A: Stranded/beached | I: Fossil/sub-fossil | N: Not located |

| | | |
|--------------------------|--------------------|-------------------|
| Microhabitat Type | | |
| AC: Flying above canopy | IB: In burrow | OB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| DA: Farm/fire dam | IR: In reeds | TK: ON trunk |
| DI: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| FC: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MG: Mid canopy | WH: Waterhole |

ENTERED 28 JUN 2007



Spotlighting Survey Proforma

Project #: 4447
 Observer: JC + RUG
 Date: 18-4-07

Nocturnal stream search - frogs - gully,

| | | |
|---|--------------------|--------------------|
| Location and timing | Start 523 | Finish 524 |
| MGA Zone: APS3 | Fasting 288105 | Easting 288268 |
| | Northing 611912534 | Northing 611912533 |
| | Time (24 h): 19:06 | Time (24 h): 20:06 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: ^{and below} Creek adjacent to swamp 11 and leads into Lake Avon. (transect starts below swamp 11 and heads towards Lake Avon). | | |

| | |
|----------------------------------|-----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 2hrs |
| Number of hectares covered? 200m | |

| | |
|-----------------------------------|---------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: None |
| Wind Direction and speed: still | Rain: None |
| Temperature (°C): 14-2 | Humidity: 87% |

Comments:

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | |
|--------------------------|----------------------|-------------------------|
| Observation types | | |
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | E: Nest or roost |
| H: Hair or feathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | L: Fossil/sub-fossil | N: Not located |

| | | |
|--------------------------|--------------------|-------------------|
| Microhabitat Type | | |
| AC: Flying above canopy | IB: In burrow | OB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| DA: Farm/lire dam | IR: In reeds | TK: ON trunk |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| FC: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |

ENTERED
28 JUN 2007

28 JUN 2007



Spotlighting Survey Proforma

BIOSIS Nocturnal Stream Search -

Frogs - gully.

Project #: 447
 Observer: JC + RVB
 Date: 19-4-07

| | | |
|--|--------------------|--------------------|
| Location and timing: | Start 540 | Finish 541 |
| MGA Zone: | Easting 292390 | Easting 292209 |
| | Northing 6195094 | Northing 6195145 |
| | Time (24 h): 23:55 | Time (24 h): 00:55 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Creek that crosses Fire Road 6C (near Log bridge) and heads towards Lake Cordeaux. ^{Transect starts} located at bottom of 6C Swamp and heads ^{upstream} (west). ^ (east) Away from Lake Cordeaux | | |

| | |
|----------------------------------|--------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 2 |
| Number of hectares covered? 200m | |

| | |
|-----------------------------------|---------------|
| Weather at start of survey | |
| Cloud cover: 2/8 | Moon: None |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 11.2 | Humidity: 93% |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1=¼ Moon, 2=½ Moon, 4=Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|--|---|--|
| Observation types | | |
| <input checked="" type="checkbox"/> O Observed (sighted) | <input checked="" type="checkbox"/> R Road kill | <input checked="" type="checkbox"/> F Tracks, scratching |
| <input checked="" type="checkbox"/> W Heard call | <input checked="" type="checkbox"/> D Dog kill | <input checked="" type="checkbox"/> Z In raptor/owl pellet |
| <input checked="" type="checkbox"/> X In scat | <input checked="" type="checkbox"/> C Cat kill | <input checked="" type="checkbox"/> M Miscellaneous |
| <input checked="" type="checkbox"/> T Trapped or netted | <input checked="" type="checkbox"/> V Fox kill | <input checked="" type="checkbox"/> E Nest or roost |
| <input checked="" type="checkbox"/> H Hair or feathers | <input checked="" type="checkbox"/> S Shot | <input checked="" type="checkbox"/> Y Bones or teeth |
| <input checked="" type="checkbox"/> A Stranded/beached | <input checked="" type="checkbox"/> I Fossil/sub-fossil | <input checked="" type="checkbox"/> N Not located |

| | | |
|---|---|--|
| Microhabitat Type | | |
| <input checked="" type="checkbox"/> AC Flying above canopy | <input checked="" type="checkbox"/> IB In burrow | <input checked="" type="checkbox"/> OB On beach sand |
| <input checked="" type="checkbox"/> BR In/on bridge | <input checked="" type="checkbox"/> IC In cave | <input checked="" type="checkbox"/> OL On log |
| <input checked="" type="checkbox"/> BU In building | <input checked="" type="checkbox"/> IG In grass | <input checked="" type="checkbox"/> OR On rock |
| <input checked="" type="checkbox"/> CK Crevice in rock | <input checked="" type="checkbox"/> IH In tree hollow | <input checked="" type="checkbox"/> OW Over water |
| <input checked="" type="checkbox"/> CL Crevice in log | <input checked="" type="checkbox"/> IL In litter | <input checked="" type="checkbox"/> RD On road |
| <input checked="" type="checkbox"/> DA Farm/fire dam | <input checked="" type="checkbox"/> IR In reeds | <input checked="" type="checkbox"/> TR ON trunk |
| <input checked="" type="checkbox"/> DF In dead tree (slag) | <input checked="" type="checkbox"/> IS In soil | <input checked="" type="checkbox"/> UB Under bark |
| <input checked="" type="checkbox"/> EW Edge of water | <input checked="" type="checkbox"/> IT In live tree | <input checked="" type="checkbox"/> UC Upper canopy |
| <input checked="" type="checkbox"/> FC In/on post or stump | <input checked="" type="checkbox"/> IW In water | <input checked="" type="checkbox"/> UD Undergrowth |
| <input checked="" type="checkbox"/> FL Flying within canopy | <input checked="" type="checkbox"/> LC Lower canopy | <input checked="" type="checkbox"/> UL Under log |
| <input checked="" type="checkbox"/> GR On ground | <input checked="" type="checkbox"/> LS Low shrub | <input checked="" type="checkbox"/> UR Under rock |
| <input checked="" type="checkbox"/> HS High shrub | <input checked="" type="checkbox"/> MC Mid canopy | <input checked="" type="checkbox"/> WH Waterhole |

| Species | Ob. type | Habitat type | Number | Easting | Northing | Accuracy |
|--------------------------|----------|--------------|-------------------------|---------|----------|----------|
| Sugar Glider | H | creek | 2 | | | |
| Crinia signifera | H | " | 2 | | | |
| Bodbrook Owl | H | | 1 | | | |
| Aust. Outlet Nightjar | H | | 1 | | | |
| Macropod sp. | H | creek | 1 | | | |
| White-striped Frodoilbat | H | | 2 | | | |
| Tadpoles sp. 1 | O | creek | Many (probably Crinia). | | | |
| | | | | | | |
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| | | | | | | |

No Littlejohns heard tonight but were heard downstream on previous night after Owl call-playback at 6C Swamp.

ENTERED 280 28 JUN 2007



Spotlighting Survey Proforma

BIOSIS

Nocturnal stream search - frogs

Project #: 4447
 Observer: JC & RVB
 Date: 20/4/07

| | | |
|---------------------------------|---------------------------|---------------------------|
| Location and timing | Start 652 | Finish 553 |
| MGA Zone: <u>S6</u> <u>GPS3</u> | Easting <u>289397</u> | Easting <u>289405</u> |
| | Northing <u>6195355</u> | Northing <u>6195552</u> |
| | Time (24 h): <u>21:09</u> | Time (24 h): <u>22:09</u> |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:
FROM STREAM SE-ARCH: Donald's castle creek; South from road 6.

| | |
|---|--|
| Survey Details | |
| Number of surveyors? <u>2</u> | Total effort (person hours)? <u>1 hr</u> |
| Number of hectares covered? <u>200m</u> | |

| | |
|--|-----------------------------|
| Weather at start of survey | |
| Cloud cover: <u>0/8</u> | Moon: <u>None</u> |
| Wind Direction and speed: <u>Still</u> | Rain: <u>None</u> |
| Temperature (°C): <u>8.7</u> | H ₂ : <u>72%</u> |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - ¼ Moon, 2 - ½ Moon, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------------|----------------------------|-------------------------------|
| Observation types | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat Type | | |
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TR ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

10 MAY 2007

ENTREPRENEUR

HECT

NIGHT SEARCH -- Only



Herpetofauna Survey
Proforma

Project #: 4447
 Observer: RMM
 Date: 21/04/07

| Location and timing | Start | Finish |
|-------------------------------------|--------------------|--------------------|
| AMG Zone: | Easting 289907 | Easting 785074 |
| WPT 5109 | Northing 6192981 | Northing 4838500 |
| | Time (24 h): 19.08 | Time (24 h): 19.35 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description Lukes Creek | | |

| Survey Details | |
|-----------------------------|------------------------------------|
| Number of surveyors? | Total effort (person hours)? 0.5hr |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|-----------------------------|---------|
| Cloud cover: | Moon: |
| Wind Direction and speed: 0 | Rain: 0 |
| Temperature (°C): | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 = None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | A | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Burnt |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | BR | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | HT | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |



Herpetofauna Survey Proforma

Project #: 4447

Observer: KGC

BIOSIS MAY 2007

ENTERED
86

Date: 21/04/07

GULLY S243 Nocturnal Reptile - Gully Section

| | |
|---|-------------------|
| Location and timing: 243 Start | Finish |
| Fasting 290722 | Fasting 290722 |
| Northing 6194078 | Northing 6194078 |
| Time (24 h): 1804 | Time (24 h): 1831 |
| Map sheet Name: | Map sheet number: |
| LGA: | |
| Location description: Nongahill Creek 190m from 204. Herp search conducted within area of Call playback site on western side of creek | |

| | |
|---|----------------------------------|
| Survey Details | |
| Number of surveyors? 1 | Total effort (person hours)? 0.5 |
| Number of hectares covered? Area search | Person analysing calls? KGC |

| | |
|-----------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: 1 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 15°C 72% 72% | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = 1/8 Moon, 2 = 1/4, 3 = 3/8, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 calm, 1 - light, leaves rustle, 2 moderate, branches move, 3 strong, tops of trees move.

| | | |
|-----------------------------|----------------------------|-------------------------------|
| Observation types | | |
| O Observed (sighted) | R Road kill | E Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | N Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Indirect evidence | N Not located |
| K Dead | F Scat | B Burnt |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat Type | | |
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BE In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TK ON trunk |
| DE In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

10 MAY 2007

ENTERED

S126 - Nocturnal keep search - Ridge



Herpetofauna Survey Proforma

Project #: 4447
 Observer: KJC + Rmm
 Date: 21/09/07

| | | |
|--|--------------------|--------------------|
| Location and timing <small>PLA</small> AMG Zone: 56 (CPS# 8) | 126 Start | Finish |
| | Easting 289337 | Easting |
| | Northing 6192719 | Northing |
| | Time (24 h): 19.55 | Time (24 h): 20.10 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Ridge site off Luke's track | | |

| | |
|-----------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? | Person analysing calls? KJ + Rmm |

| | |
|-----------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 0 | Moon: 1 |
| Wind Direction and speed: 0 | Rain: 0 |
| Temperature (°C): MILD | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | | | | |
|-------------------|--------------------|---|-------------------|---|------------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | (In raptor/owl) pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | X | Not located |
| K | Dead | P | Scat | B | Burnt |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OF | On log |
| BC | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| EC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |



10 MAY 2007 3159 - Nocturnal Keptle - Kidge Search

Herpetofauna Survey Proforma

Project #: 4447
 Observer: KJC + Rmm
 Date: 21/09/07

| | | | |
|---|-------------------|--------------|--------|
| Location and timing: MGA Zone: 56 UPS # 8 | PC3 | Start | Finish |
| Fasting | 219854 | Fasting | □□□□□□ |
| Northing | 6193853 | Northing | □□□□□□ |
| Time (24 h): | 21.14 | Time (24 h): | 21.29 |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Luke's track - reptile site just off track to East. | | | |

| | |
|-------------------------------|-----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? < | Person analysing calls? KJC + Rmm |

| | |
|-----------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 0 | Moon: 1 |
| Wind Direction and speed: 0 | Rain: 0 |
| Temperature (°C): 22.0 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codas: 0=None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|--------------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Burnt |

| | | | | | |
|---------------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Types | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Dam/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

10 MAY 2007

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10 MAY 2007



Herpetofauna Survey Proforma

Project #: 4447

Observer: RUB

Date: 19-4-07

Nocturnal Reptile Search-ridge

| Location and Timing | Start | Finish |
|--|--------------------|----------------------------|
| MGA Zone: 56 APS3 S35 | Easting 289596 | Easting 111111 |
| | Northing 1679556 | Northing 111111 |
| | Time (24 h): 20:36 | Time (24 h): 21:06 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: RIDGE SITE Along track 6, East of Ronald's Castle Creek on North side of road. | | |

| Survey Details | |
|---------------------------------------|----------------------------------|
| Number of surveyors? 1 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 40m x 40m | Person analysing calls? N/A |

| Weather at start of survey | |
|--|---------------|
| Cloud cover: 8/8 | Moon: None |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 12.7 | Humidity: 91% |
| Comments: Incidentals: Tadevida australis x1 (H) Wallaby sp x1 (H) Gliders notches on Bloodwood, Australian Owllet nightjar x1 (H) | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2 Moon, 4= Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scorching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In seal | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | F | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BL | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/lire dam | IR | In reeds | TK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

10 MAY 2007

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BIOSIS

Herpetofauna Survey
Proforma

Project #: 4447

Observer: RVB

Date: 19.4.07

Nocturnal Reptile search

ridge site.

| Location and timing | Start | Finish |
|---|---|---|
| MGA Zone: S6 ^{aps 3} 534 | Easting 289580 Northing 611543.3 Time (24 h): 20:04 | Easting Northing Time (24 h): 20:34 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: RIDGE site Along tracks East of Donald's Castle Creek on south side of road | | |

| Survey Details | |
|--|----------------------------------|
| Number of surveyors? 1 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 40m x 40m | Person analysing calls? N/A |
| Weather at start of survey | |
| Cloud cover: 7/8 | Moon: None, but sky bright. |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 13.2 | Humidity: 91% |
| Comments: Incidental: Tadavida australis > 1 (H) | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In rap/or/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| Microhabitat type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevise in rock | IH | In tree hollow | OW | Over water |
| CL | Crevise in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |



**Herpetofauna Survey
Proforma**

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10 MAY 2007

BIOSIS

Nocturnal Reptile Habitat
Search - Ridge

Project #: 4447

Observer: RVB

Date: 20.4.07

| | | |
|---|--------------------|---|
| Location and timing: | Start 554 | Finish |
| MGA Zone: 56 GPS3 | Fasting 289864 | Rasting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | Northing 611931846 | Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | Time (24 h): 23:00 | Time (24 h): 23:30 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Site just south of call-playback site on Luke's Track. | | |

| | |
|---------------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 1 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 60m x 40m | Person analysing calls? N/A |

| | |
|-----------------------------------|---------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: None |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 8-8 | Humidity: 91% |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0= None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | |
|-----------------------------|----------------------------|-------------------------------|
| Observation types | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Car kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | B Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat Type | | |
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Fanu/fire clau | IR In reeds | TR ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

10 MAY 2007

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BIOSIS

Spotlighting Survey
Proforma

Project #: 4447

Observer: RVB + NEO

Date: 21-4-07

Nocturnal reptile search -
ridge

| | | |
|--|---|---|
| Location and timing | 559 559 1 st spot | 560 560 2 nd spot |
| MGA Zone: | Easting 28193213 | Easting 2819302 |
| | Northing 6194160 | Northing 6194049 |
| Map sheet Name: | Time (24 h): 18:13 | Time (24 h): 18:28 |
| Location description: | Map sheet number: | LGA: |
| Two sites on seismic line off 6A towards Donald's Castle Ck. | | |

| | |
|------------------------------|---------|
| Survey Details | |
| Number of surveyors? | 2 |
| Number of hectares covered? | 2 spots |
| Total effort (person hours)? | 0.5h |

| | |
|----------------------------|----------------------|
| Weather at start of survey | |
| Cloud cover: | 0/8 |
| Wind Direction and speed: | Skill |
| Temperature (°C): | ≈ 15 15°C |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1=¼ Moon, 2=½ Moon, 4=Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | B | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | J | Fossil/sub-fossil | N | Not located |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Dam/fire dam | IR | In reeds | TR | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | LC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LG | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

Table Data

| Species | Table | Number | Easting | Northing | Accuracy |
|---------|-------|--------|---------|----------|----------|
| Spiders | | | | | |
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11 MAY 2007

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BIOSIS

Spotlighting Survey
Proforma

Night Habitat Search - frogs

Project #: 4447
Observer: RVB + JC
Date: 18.4.07

| | | |
|---|--------------------|--------------------|
| Location and timing: | Start S26 | Finish S27 |
| MGA Zone: GPS 3 | Easting 288077 | Easting 287971 |
| | Northing 61192516 | Northing 61192351 |
| | Time (24 h): 18:15 | Time (24 h): 18:45 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Lake Avon banks - below swamp 11. - Gully site. Replicate 1. | | |

| | |
|----------------------------------|----------------------------------|
| Survey Details: | |
| Number of surveyors? 2 | Total effort (person hours)? 1hr |
| Number of hectares covered? 200m | |

| | |
|---------------------------------|---------------|
| Weather at start of survey: | |
| Cloud cover: 0/8 | Moon: None |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 14.2 | Humidity: 87% |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rattle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | P | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | F | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/lire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UC | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

11 MAY 2007

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BIOSIS

Herpetofauna Survey
Proforma

Project #: 4447

Observer: JCR RVB

Date: 21/4/07

Nocturnal Habitat Search

-frogs - gully

| | | |
|---|--|--|
| Location and timing: | Start 526 | Finish 527 |
| MGA Zone: 56 | Fasting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Easting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | Time (24 h): 19:32 | Time (24 h): 19:47 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: Banks of Lake Anon from Swampy H access. 2ND REPLICATE | | |

| | |
|----------------------------------|-----------------------------------|
| *Survey Details* | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 200m | Person analysing calls? JCR / RVB |

| | |
|--|---------------------------|
| *Weather at start of survey* | |
| Cloud cover: 0 1/8 | Moon: none 1/4 |
| Wind Direction and speed: N ^W | Rain: n/c |
| Temperature (°C): 11.2°C | Humidity: 81% |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2 Moon, 4=Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0=calm, 1=light, leaves rustle, 2=moderate, branches move, 3=strong, tops of trees move.

| | | | | | |
|---------------------|--------------------|----------|-------------------|----------|----------------------|
| *Observation types* | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In seat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Box kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | F | Fossil/sub-fossil | N | Not located |

| | | | | | |
|---------------------|----------------------|-----------|----------------|-----------|---------------|
| *Microhabitat Type* | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BL | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Fan/fine dam | IR | In reeds | TK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WI | Waterhole |

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BIOSIS

Herpetofauna Survey
Proforma

Project #: 4447

Observer: JC + RMM

Date: 16.4.07

Nocturnal Habitat Search - upland swamp - frogs.

| | | | | |
|------------------------|-------------------|---------|-----|--------------------|
| Location and timing | | Start | SOI | Finish |
| MGA Zone: 56 | Easting | 282477 | | Easting |
| WPT 001 APS #3. SOI | Northing | 6194866 | | Northing |
| | Time (24 h): | 21:25 | | Time (24 h): 21:40 |
| Map sheet Name: | Map sheet number: | | | LGA: |



Location description:

Searched around waypoint, either side of road, up to approx. 10m from waypoint. Upland swamp off 6C (crosses track)

Survey Details

| | | | |
|-----------------------------|---|------------------------------|--------|
| Number of surveyors? | 2 | Total effort (person hours)? | 0.5 hr |
| Number of hectares covered? | | Person analysing calls? | |

Weather at start of survey

| | | | |
|---------------------------|-------|-----------|------|
| Cloud cover: | 0/8 | Moon: | None |
| Wind Direction and speed: | Still | Rain: | None |
| Temperature (°C): | 8.6°C | Humidity: | 92% |
| Comments: | | | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 = None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | | | | |
|---|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

Microhabitat Type

| | | | | | |
|----|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

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Herpetofauna Survey Proforma

Project #: 4447

Observer: RVB

Date: 19.4.07

BIOSIS

Nocturnal Habitat Search -
Frogs - Upland Swamp.

| | | | |
|--|-------------------|--------------------|--------------|
| Location and timing | | Start 03:46 | Finish 07:27 |
| MGA Zone: 56 6053 | Easting 2927964 | Easting 292456 | |
| 538: 292686, 6194877 533: 292498, 6194623 | Northing 6194965 | Northing 6194928 | |
| Time (24 h): 22:15 | | Time (24 h): 22:45 | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: 6C SWAMP (crosses Fire Rd 6C). 2 nd replicate. | | | |

Survey Details

| | |
|-----------------------------|------------------------------|
| Number of surveyors? | Total effort (person hours)? |
| Number of hectares covered? | Person analysing calls? |

Weather at start of survey

| | |
|---------------------------------|---------------|
| Cloud cover: 3/8 | Moon: None |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 10.5 | Humidity: 91% |
| Comments: | |

Cloud cover: Record cover in eighths of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

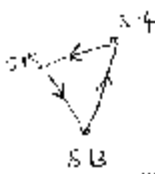
| | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located |

Microhabitat Type

| | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | TH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

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Herpetofauna Survey Proforma

Project #: 4447
 Observer: J.C.
 Date: 17/4/07

Nocturnal Habitat Search - Upland Swamp - frogs

Location and timing: Start S13 → S14 → Finish S15
 MGA Zone: 56 GPS 43 S13
 Easting 289760 Easting 289783
 Northing 619275 Northing 619275
 Time (24 h): 20:34 Time (24 h): 21:04
 Map sheet Name: Map sheet number: LGA:
 Location description: Upland swamp - east of Laidley Creek. (Peanut swamp)
 ~ 300m south of XCS
 Access from 'XPNUT'

Survey Details
 Number of surveyors? 1 Total effort (person hours)? 0.5
 Number of hectares covered? 120m Person analysing calls? J.C.

Weather at start of survey
 Cloud cover: 2/8 Moon: None
 Wind Direction and speed: NIL Rain: NIL
 Temperature (°C): 12-3°C Humidity: 84%
 Comments:
 S14 = 289804 / 6192709 GPS 3.

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1=¼ Moon, 2=½ Moon, 4=Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|--------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In rapor/ow pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

11 MAY 2007

ENTERED
99



BIOSIS

Spotlighting Survey
Proforma

UPLAND SWAMP

NOCTURNAL FROG HABITAT SEARCH

Project #: 4447

Observer: RVB

Date: 21/4/07

S64
← 30m
S63
← 40m
S13

| | | |
|--|-------------------------------|--------------------------|
| Location and timing: Start S13 → Finish → S63 → S64 | | |
| MGA Zone: S6 | Easting <input type="text"/> | Easting 289795 289793 |
| | Northing <input type="text"/> | Northing 6192686 6192715 |
| | Time (24 h): 21:39 | Time (24 h): 22:09 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Peanut Swamp - 2 nd replicate of nocturnal habitat search. | | |

| Survey Details | |
|---------------------------------------|-------------------------------------|
| Number of surveyors? 1 | Total effort (person hours)? 0.5 hr |
| Number of hectares covered? 40m + 30m | |

| Weather at start of survey | |
|---------------------------------|---------------|
| Cloud cover: 0/8 | Moon: None |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 10.9 | Humidity: 91% |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full
Wind direction and speed: Record wind direction to the nearest cardinal point, Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|-----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owli pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (slag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

303

ENTERED
30

09 MAY 2007



Call Playback Survey

Proforma Owls

Call playback - Gully.

Project #: 4447

Observer: JC

Date: 16-4-07

WP 2 }
GPS 3 } = 303

| Location and timing | | |
|--|----------------------------------|-------------------------|
| MGA Zone: | Easting <u>289878</u> | Northing <u>6193878</u> |
| Start time (24 h): <u>23:39</u> | Finish time (24 h): <u>00:49</u> | <u>1hr 10mins</u> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>Facing Wongawilli Gully from Luke's Track.</u> | | |

| Survey Details | |
|---|---|
| Type of amplification? <u>Loud hailer</u> | Duration of call playback (minutes)? <u>5</u> |
| Duration of listening (minutes)? <u>5</u> | |

| Weather at start of survey | |
|--|---------------------|
| Cloud cover: <u>0/8</u> | Moon: <u>None</u> |
| Wind Direction and speed: <u>Still</u> | Rain: <u>None</u> |
| Temperature (°C): <u>10.8</u> | Humidity: <u>98</u> |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-----------------------------|----------------------------|-------------------------------|--|
| O Observed (sighted) | R Road kill | F Tracks, scratching | |
| W Heard call | D Dog kill | Z In raptor/owl pellet | |
| X In scat | C Cat kill | M Miscellaneous | |
| T Trapped or netted | V Fox kill | E Nest or roost | |
| H Hair or feathers | S Shot | Y Bones or teeth | |
| A Stranded/beached | L Fossil/sub-fossil | N Not located | |

| Microhabitat Type | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TR ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| EC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

ENTERED
31

09 MAY 2007



Call Playback Survey Proforma

BIOSIS

Call-playback - gully - owls.

Project #: 4447
 Observer: R. V. B. & J. C.
 Date: 26/5/07

Location and timing

MGA Zone: 56 503
 APS3, WP2. Easting 263678 Northing 6193878

Start time (24 h): 0:56 Finish time (24 h): 2:05

Map sheet Name: Map sheet number: LGA:

Location description:
 503 Facing Wanganui Gully from Luke's track

Survey Details

Type of amplification? LOUD microphone Duration of call playback (minutes)? 5
 Duration of listening (minutes)? 5

Weather at start of survey

Cloud cover: 0/8 Moon:
 Wind Direction and speed: N/E Rain: N/C
 Temperature (°C): 11.67 Humidity: 917

Comments:
 1x sugar slide (1)
 1x walking up (1)

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | | | | |
|---|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

Microhabitat Type

| | | | | | |
|----|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | BB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | DW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | LC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

09 MAY 2007

ENTERED



BIOSIS

Call Playback Survey Proforma

Owls - gully

Project #: 4447

Observer: RVS & JC

Date: 18/4/07

| Location and timing | | |
|--|----------------------------------|-------------------------|
| MGA Zone: <u>S6</u> <u>CP3, S03</u> | Easting <u>289878</u> | Northing <u>6193878</u> |
| Start time (24 h): <u>23:28</u> | Finish time (24 h): <u>00:33</u> | |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:

GULLY: LUKEY TRACK LOOKING OUT TO WOODHILL
CREEK

| Survey Details | |
|--|---|
| Type of amplification? <u>LOUD HA, LCR</u> | Duration of call playback (minutes)? <u>5</u> |
| Duration of listening (minutes)? <u>5</u> | |

| Weather at start of survey | |
|--------------------------------------|-------------------------|
| Cloud cover: <u>0/8</u> | Moon: <u>FULL LIGHT</u> |
| Wind Direction and speed: <u>N/E</u> | Rain: <u>NIL</u> |
| Temperature (°C): <u>10.8</u> | <u>92% Humidity</u> |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | F : Fossil/sub-fossil | N : Not located |

| Microhabitat Type | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GK : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

09 MAY 2007

5003 CP-Cats-Curry



ENTERED

Call Playback Survey Proforma

Project #: 4447

Observer: NEO + KJC

Date: 19/04/07

| Location and timing | | |
|---|---|---|
| MGA Zone: S03 S0 | Easting <input type="text" value="289898"/> | Northing <input type="text" value="6193880"/> |
| Start time (24 h): 1820 | Finish time (24 h): 1930 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Gully side on Lake's Track - 1 km SE of track. | | |

| Survey Details | |
|---|---|
| Type of amplification? <u>and hooter</u> | Duration of call playback (minutes)? <u>5</u> |
| Duration of listening (minutes)? <u>5</u> | |

| Weather at start of survey | |
|--|------------------|
| Cloud cover: <u>8/8</u> | Moon: <u>0</u> |
| Wind Direction and speed: <u>0</u> | Rain: <u>N/A</u> |
| Temperature (°C): <u>18.2</u> <u>72%</u> | |
| Comments: <u>Open area looking out over flight strip 2m. Still + calm, cloudy night - very grey, no light.</u> | |
| Note: <u>at 1900hrs. cloud cover started to clear to 7/8.</u> | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 None, 1 - 1/4 Moon, 2 1/2 Moon, 4 Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|----------------------------|--------------------|----------------------------|-------------------|----------------------------|----------------------|
| <input type="checkbox"/> O | Observed (sighted) | <input type="checkbox"/> R | Road kill | <input type="checkbox"/> F | Tracks, scratching |
| <input type="checkbox"/> W | Heard call | <input type="checkbox"/> D | Dog kill | <input type="checkbox"/> Z | In raptor/owl pellet |
| <input type="checkbox"/> X | In scat | <input type="checkbox"/> C | Cat kill | <input type="checkbox"/> M | Miscellaneous |
| <input type="checkbox"/> T | Trapped or netted | <input type="checkbox"/> V | Fox kill | <input type="checkbox"/> E | Nest or roost |
| <input type="checkbox"/> H | Hair or feathers | <input type="checkbox"/> S | Shot | <input type="checkbox"/> Y | Bones or teeth |
| <input type="checkbox"/> A | Stranded/beached | <input type="checkbox"/> F | Fossil/sub-fossil | <input type="checkbox"/> N | Not located |

| Microhabitat Type | | | | | |
|-----------------------------|----------------------|-----------------------------|----------------|-----------------------------|---------------|
| <input type="checkbox"/> AC | Flying above canopy | <input type="checkbox"/> TB | In burrow | <input type="checkbox"/> OB | On beach sand |
| <input type="checkbox"/> BR | In/on bridge | <input type="checkbox"/> IC | In cave | <input type="checkbox"/> OL | On log |
| <input type="checkbox"/> BU | In building | <input type="checkbox"/> IG | In grass | <input type="checkbox"/> OR | On rock |
| <input type="checkbox"/> CK | Crevice in rock | <input type="checkbox"/> IH | In tree hollow | <input type="checkbox"/> OW | Over water |
| <input type="checkbox"/> CL | Crevice in log | <input type="checkbox"/> IL | In litter | <input type="checkbox"/> RD | On road |
| <input type="checkbox"/> DA | Farm/fire dam | <input type="checkbox"/> IR | In reeds | <input type="checkbox"/> TR | ON trunk |
| <input type="checkbox"/> DE | In dead tree (slag) | <input type="checkbox"/> IS | In soil | <input type="checkbox"/> UB | Under bark |
| <input type="checkbox"/> EW | Edge of water | <input type="checkbox"/> IT | In live tree | <input type="checkbox"/> UC | Upper canopy |
| <input type="checkbox"/> FC | In/on post or stump | <input type="checkbox"/> IW | In water | <input type="checkbox"/> UD | Undergrowth |
| <input type="checkbox"/> FL | Flying within canopy | <input type="checkbox"/> LC | Lower canopy | <input type="checkbox"/> UL | Under log |
| <input type="checkbox"/> GS | On ground | <input type="checkbox"/> LS | Low shrub | <input type="checkbox"/> UR | Under rock |
| <input type="checkbox"/> HS | High shrub | <input type="checkbox"/> MC | Mid canopy | <input type="checkbox"/> WH | Waterhole |

09 MAY 2007

ENTERED
34

BIOSIS

Call Playback Survey Proforma

Owls - Gully

Project #: 4447

Observer: JC & RUB

Date: 20/4/07

| | | | |
|--|---------------------------|------------|----------|
| Location and timing | | | S03 |
| MGA Zone: 36 | Easting | 289878 | Northing |
| | | 6193878 | |
| Start time (24 h): 22:52 | Finish time (24 h): 00:02 | 1hr 10mins | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Facing into Wongawilli gully from Luke's Track. | | | |

| | |
|------------------------------------|--|
| Survey Details | |
| Type of amplification? Loud hailer | Duration of call playback (minutes)? 5 |
| Duration of listening (minutes)? 5 | |

| | |
|---------------------------------|---------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: None |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 8.8 | Humidity: 91% |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2 Moon, 4=Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|------------------|--------------------|---|----------------------|
| Observation type | | | |
| O | Observed (sighted) | R | Road kill |
| W | I heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| | | E | Tracks, scratching |
| | | I | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | N | Nest or roost |
| | | Y | Bones or teeth |
| | | N | Not located |

| | | | |
|-------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CR | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| FR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TK | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

09 MAY 2007

ENTERED
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S03 CP- OWLS - GULLY



Call Playback Survey Proforma

Project #: 4447
 Observer: KJC + RMM
 Date: 21/04/07

| | | |
|---|---------------------------|------------------|
| Location and timing: S03 | | |
| MGA Zone: 56 ^{Jen + Rachel's} _{GPS} | Easting 229980 | Northing 6193960 |
| Start time (24 h): 20.20 | Finish time (24 h): 21.00 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Luko's track - CP facing into Wanganui creek | | |

| | |
|------------------------------------|--|
| Survey Details | |
| Type of amplification? loud hailer | Duration of call playback (minutes)? 5 |
| Duration of listening (minutes)? 5 | |

| | |
|-----------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: 1 |
| Wind Direction and speed: 0 | Rain: 0 |
| Temperature (°C): MILD | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rattle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | B | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | OD | On road |
| DA | Dam/fire dam | IR | In reeds | TR | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

09 MAY 2007

ENTERED
36



Call Playback Survey
Proforma

BIOSIS

GULLY OWL CALL PLAYBACK

| |
|--------------------|
| Project #: 4447 |
| Observer: RUB & JC |
| Date: 22/4/07 |

| Location and timing | | |
|---|------------------------------|-------------------------------|
| MGA Zone: | Easting <input type="text"/> | Northing <input type="text"/> |
| Start time (24 h): 19:25 | Finish time (24 h): 19:50 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: CALL PLAYBACK East into gully from L. wheels track | | |

| Survey Details | |
|--|--|
| Type of amplification? LOUDHAI LER | Duration of call playback (minutes)? 5 min |
| Duration of listening (minutes)? 5 min | |

| Weather at start of survey | |
|----------------------------------|--------------------|
| Cloud cover: 8/4 | Moon: Moderate-dim |
| Wind Direction and speed: breeze | Rain: Nil |
| Temperature (°C): 14 °C | 88% |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 - None, 1 - ¼ Moon, 2 - ½ Moon, 4 - Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | T | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In rapior/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | F | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | B | Bones or teeth |
| A | Stranded/beached | L | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| AB | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevise in rock | IH | In tree hollow | OW | Over water |
| CL | Crevise in log | IL | In litter | RD | On road |
| BA | Worm/fire dam | IR | In reeds | TR | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

09 MAY 2007

ENTERED
37

CP-OWI-GALLY



Call Playback Survey
Proforma

Project #: 4447

Observer: KR + NEO

Date: 23/04/07

Location and timing

| | | |
|--|---------------------------|-------------------|
| MGA Zone: 56 GRS#4 | Easting 279980 | Northing 61193960 |
| Start time (24 h): 18.50 | Finish time (24 h): 19.20 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Lakes Track owl CP site | | |

Survey Details

| | |
|------------------------------------|--|
| Type of amplification? Loud Hailer | Duration of call playback (minutes)? 5 |
| Duration of listening (minutes)? 5 | |

Weather at start of survey

| | |
|--|----------------|
| Cloud cover: 8/8 | Moon: ? |
| Wind Direction and speed: 1 | Rain: Spitting |
| Temperature (°C): cold | |
| Comments: Sugar Aliders (H) in distance | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1=¼ Moon, 2=½ Moon, 4=Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

Observation types

| | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | T : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | N : Nest or roost |
| H : Hair or feathers | S : Shot | B : Bones or teeth |
| A : Stranded/beached | F : Fossil/sub-fossil | L : Not located |

Microhabitat Type

| | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | QB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TR : ON trunk |
| DL : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

09 MAY 2007 ENTERED 25

S01 CP-DWS - Swamp



Call Playback Survey Proforma

Project #: 4097
 Observer: KJC
 Date: 17.04.07

Location and timing: CP 44

MGA Zone: 56 Easting 2192425 Northing 0199871
 Start time (24 h): 12:25 Finish time (24 h): 19:55
 Map sheet Name: Map sheet number: LGA: Maitland

Location description:
 Swamp bc - on Fire trail bc
 CP facing up into swamp

Survey Details

Type of amplification? loud hair Duration of call playback (minutes)? 5 min
 Duration of listening (minutes)? 10 min then 5 min
 (initial)

Weather at start of survey

Cloud cover: 1/7 Moon: 0
 Wind Direction and speed: 0 Rain: Nil
 Temperature (°C): 11.9°C

Comments:
 1x playback out (H) before survey started.
 Several orina (H) up and down swamp

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | B Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | F Fossil/sub-fossil | N Not located |

Microhabitat type

| | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IL In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Dam/fire dam | IR In reeds | TR ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

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09 MAY 2007



BIOSIS

Call Playback Survey
Proforma

Owls - upland swamp.

Project #: 4447

Observer: JC

Date: 19/4/07

| | | |
|---|---------------------------|-------------------|
| Location and timing: 501 | | |
| MGA Zone: APS3 | Easting: 292477 | Northing: 6194866 |
| Start time (24 h): 01:02 | Finish time (24 h): 02:12 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Upland Swamp either side of Fire Road 6C. Facing up swamp. | | |

| | |
|------------------------------------|--|
| Survey Details | |
| Type of amplification? Loud hailer | Duration of call playback (minutes)? 5 |
| Duration of listening (minutes)? 5 | |

| | |
|---------------------------------|---------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: None |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 6.7 | Humidity: 90% |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2 Moon, 4=Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0=calm, 1=light, leaves rustle, 2=moderate, branches move, 3=strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | B | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Dam/fire dam | IR | In reeds | TK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WR | Waterhole |

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09 MAY 2007



BIOSIS

Call Playback Survey
Proforma

Owls - Upland Swamp.

Project #: 4447

Observer: RVB + JFC

Date: 19.4.07

| Location and timing | | |
|---|------------------------------|-------------------------------|
| MGA Zone: | Easting <input type="text"/> | Northing <input type="text"/> |
| Start time (24 h): 22:05 | Finish time (24 h): 23:15 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: 6C Swamp. Upland swamp crosses Fire Road 6C. | | |

| Survey Details | |
|------------------------------------|--|
| Type of amplification? Loud roarer | Duration of call playback (minutes)? 5 |
| Duration of listening (minutes)? 5 | |

| Weather at start of survey | |
|---------------------------------|---------------|
| Cloud cover: 6/8 | Moon: None |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 10.5 | Humidity: 91% |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | N Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | J Fossil/sub-fossil | N Not located |

| Microhabitat Type | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| GK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TK ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

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09 MAY 2007

CP - ants - Curley
+ L. littlejohni



Call Playback Survey
Proforma

Project #: 4497

Observer: KSC + NEO

Date: 21/04/07

| | | | |
|--|--------------------------|----------|----------|
| Location and timing | | 205 | |
| MGA Zone: 56 | CRS#4 | Easting | 29 24 75 |
| | | Northing | 61194871 |
| Start time (24 h): 0:10 | Finish time (24 h): 1:16 | | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Swamp bc CP for L. littlejohni arrived down into swamp | | | |

| | |
|--|--|
| Survey Details | |
| Type of amplification? 2nd hauler | Duration of call playback (minutes)? 5mins |
| Duration of listening (minutes)? 5mins | |

| | |
|-----------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 22.0 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|----|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| | | Tr | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | E | Nest or roost |
| | | B | Bones or teeth |
| | | N | Not located |

| Microhabitat Types | | | |
|--------------------|----------------------|----|----------------|
| AC | Flying above canopy | IB | In burrow |
| BB | In/on bridge | IC | In cave |
| BL | In building | IG | In grass |
| CR | Crevice in rock | IL | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Dam/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TR | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |



09 MAY 2007
 Call Playback Survey
 Proforma

ENTERED
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Project #: 4447

Observer: NED

Owls - upland swamp Date: 22 of 07

| | | |
|--------------------------------|---|--|
| Location and timing | | |
| MGA Zone: <u>Sol</u> | Easting <u> </u> <input type="text"/> <u> </u> <input type="text"/> <u> </u> <input type="text"/> <u> </u> <input type="text"/> | Northing <u> </u> <input type="text"/> <u> </u> <input type="text"/> <u> </u> <input type="text"/> <u> </u> <input type="text"/> |
| Start time (24 h): <u>0030</u> | Finish time (24 h): <u>0140</u> | |
| Map sheet Name: | Map sheet number: | LGA: |

Location description: bc Swamp. - call playback faced upswamp. in a SE direction. *L. little johni faced downswamp.

| | |
|---|---|
| Survey Details | |
| Type of amplification? <u>loud hailer</u> | Duration of call playback (minutes)? <u>5mins</u> |
| Duration of listening (minutes)? <u>5mins</u> | |

| | |
|---|----------------------|
| Weather at start of survey | |
| Cloud cover: <u>3</u> | Moon: <u>1</u> |
| Wind Direction and speed: <u>0</u> | Rain: <u>0</u> |
| Temperature (°C): <u>9°C</u> | Humidity: <u>91%</u> |
| Comments: <u>cool, calm night. New moon. Slight mist.</u> | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Observation types | | |
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/brached | I : Fossil/sub-fossil | N : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Microhabitat Type | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BV : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| BA : Farm/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

| Playback Details | | Species Response | | | |
|------------------|-----------------------|----------------------------|--------------|----------|---------|
| Time (24 h) | Call species name | Time (24 h) | Species name | No. Ind. | Comment |
| 0040 | Grass Owl | 0045 | No response | N/A | |
| 0050 | Barking Owl | 0055 | No response | N/A | |
| 0100 | Scaly Owl | 0105 | No response | N/A | |
| 0110 | Masked Owl | 0115 | No response | N/A | |
| 0120 | Powerful Owl | 0125 | No response | N/A | |
| 0130 | Spotlighting → | 0140 | No response | N/A | |
| | | | | | |
| | | | | | |
| | <u>Incidentals:</u> | | | | |
| | Cinixia signifera | responding to owl playback | | | |
| | Orchard Nightjar | | | | |
| | Southern Bobwhite | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 0139 | Litoria littlejohni → | L. littlejohni | | 2 @ 0131 | |
| | | | | | |
| | | | | | |

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09 MAY 2007



BIOSIS

Call Playback Survey
Proforma
UPLAND SWAMP
MAMMAL & OWL
CALL PLAYBACK

Project #: 4447

Observer: JC & RUB

Date: 23/4/07

| | | |
|---|--------------------------|------------------|
| Location and timing | | |
| MGA Zone: S6 | Easting 292478 | Northing 6124861 |
| Start time (24 h): 0:21 | Finish time (24 h): 1:26 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: UPLAND SWAMP - GC SWAMP | | |

| | |
|--|--|
| Survey Details | |
| Type of amplification? LOUDBALLER | Duration of call playback (minutes)? 5 min |
| Duration of listening (minutes)? 5 min | |

| | |
|------------------------------|----------------|
| Weather at start of survey | |
| Cloud cover: 3/9 | Moon: dim full |
| Wind Direction and speed: NW | Rain: Nil |
| Temperature (°C): 12.1 | H: 92% |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=Nonc, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-----------------------------|----------------------------|-------------------------------|--|
| Observation types | | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching | |
| W Heard call | D Dog kill | Z In raptor/owl pellet | |
| X In scat | C Cat kill | M Miscellaneous | |
| T Trapped or netted | V Fox kill | E Nest or roost | |
| H Hair or feathers | S Shot | Y Bones or teeth | |
| A Stranded/beached | I Fossil/sub-fossil | N Not located | |

| | | | |
|--------------------------------|--------------------------|-------------------------|--|
| Microhabitat Type | | | |
| AC Flying above canopy | IB In burrow | OB On beach sand | |
| BR In/on bridge | IC In cave | OL On log | |
| BU In building | IG In grass | OR On rock | |
| CK Crevice in rock | IH In tree hollow | OW Over water | |
| CL Crevice in log | IL In litter | RD On road | |
| DA Farm/lire dam | IR In reeds | TR ON trunk | |
| DI In dead tree (stag) | IS In soil | UB Under bark | |
| EW Edge of water | IT In live tree | UC Upper canopy | |
| FC In/on post or stump | IW In water | UD Undergrowth | |
| FL Flying within canopy | LC Lower canopy | UL Under log | |
| GR On ground | LS Low shrub | UR Under rock | |
| HS High shrub | MC Mid canopy | WB Waterhole | |

09 MAY 2007

ENTERED
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Call Playback Survey Proforma

Owl and mammal -
Upland swamp

| | |
|------------|----------|
| Project #: | 4447 |
| Observer: | RVB + JJ |
| Date: | 23-4-07 |

| | | |
|---|------------------------------|-------------------------------|
| Location and timing | | |
| MGA Zone: | Easting <input type="text"/> | Northing <input type="text"/> |
| Start time (24 h): | 21:18 | Finish time (24 h): 22:13 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Upland swamp - 6C swamp. Facing upswamp. | | |

| | |
|--------------------------------------|-------------|
| Survey Details | |
| Type of amplification? | loud hailer |
| Duration of call playback (minutes)? | 5 |
| Duration of listening (minutes)? | 5 |

| | |
|----------------------------|------------------------------|
| Weather at start of survey | |
| Cloud cover: | 8/8 |
| Wind Direction and speed: | Breeze |
| Temperature (°C): | 13.2 |
| Comments: | |
| Moon: | Half (but covered by clouds) |
| Rain: | Shower |
| Humidity: | 92% |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tips of trees move.

| | | | |
|-------------------|--------------------|----------|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| F | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | N | Not located |
| E | Nest or roost | | |
| Y | Bones or teeth | | |

| | | | |
|-------------------|----------------------|-----------|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On heath sand | OL | On log |
| OR | On rock | OW | Over water |
| RD | On road | TR | ON trunk |
| UB | Under bark | UC | Upper canopy |
| UG | Undergrowth | UL | Under log |
| UR | Under rock | WH | Waterhole |



Call Playback Survey Proforma

Upland Swamp site - owls

Project #: 441167
 Observer: JC RMM TP
 Date: 16/5/07

Location and timing

| | | |
|---|--|--|
| MGA Zone: | Easting <input type="text" value="777000"/> | Northing <input type="text" value="000000"/> |
| Start time (24 h): <input type="text" value="20:05"/> | Finish time (24 h): <input type="text" value="20:30"/> | |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:

60 Swamp - See Trip 1 data sheets for waypoint.

Survey Details

| | |
|--|--|
| Type of amplification? <input type="text" value="loud hailer"/> | Duration of call playback (minutes)? <input type="text" value="5 mins"/> |
| Duration of listening (minutes)? <input type="text" value="15"/> | |

Weather at start of survey

| | |
|---|--|
| Cloud cover: <input type="text" value="7/8"/> | Moon: <input type="text" value="0"/> |
| Wind Direction and speed: <input type="text" value=""/> | Rain: <input type="text" value="0"/> |
| Temperature (°C): <input type="text" value="14.4 °C"/> | Humidity: <input type="text" value="81%"/> |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | B : Bones or teeth |
| A : Stranded/beached | P : Fossil/sub-fossil | N : Not located |

Microhabitat Type

| | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | TH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Farm/fire dam | IR : In reeds | TR : On trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

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10 MAY 2007



Call Playback Survey
Proforma
Owls
Call Playback - upland swamp

Project #: 4447

Observer: R VB

Date: 17/04/07

Location and timing

WPS: 2
SOS
→

| | | |
|---|--------------------------|--------------------|
| MGA Zone: 56 ^{SOS} _{WPS 2} | Easting: 2168593 | Northing: 61192269 |
| Start time (24 h): 0100 | Finish time (24 h): 0210 | 1 hr 10 min |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:

Swamp 11 - Upland swamp -

Survey Details

| | |
|------------------------------------|--|
| Type of amplification? Loudspeaker | Duration of call playback (minutes)? 5 |
| Duration of listening (minutes)? 5 | |

Weather at start of survey

| | |
|-------------------------------|----------------|
| Cloud cover: 9/8 (mist) | Moon: nil |
| Wind Direction and speed: nil | Rain: nil |
| Temperature (°C): 10.7 | Humidity = 98% |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation Types

| | | |
|-----------------------|----------------------|------------------------|
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/ow pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | Y: Fox kill | D: Nest or roost |
| H: Hair or feathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | F: Fossil/sub-fossil | N: Not located |

Microhabitat Type

| | | |
|--------------------------|--------------------|-------------------|
| AC: Flying above canopy | IB: In burrow | OB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BI: In building | IG: In grass | OR: On rock |
| CR: Crevice in rock | IH: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RO: On road |
| DA: Dam/fire dam | IR: In reeds | TR: ON trunk |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| FC: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |

10 MAY 2007

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Call Playback Survey Proforma

Owls 508
Call Playback - upland swamp

| | |
|------------|---------|
| Project #: | 4447 |
| Observer: | JC |
| Date: | 17.4.07 |

| | |
|--|----------------------------------|
| Location and timing | |
| MGA Zone: 56 <u>RPS3</u> SB | Fasting <u>2 8 8 5 4 3</u> |
| Start time (24 h): <u>18:28</u> | Finish time (24 h): <u>19:38</u> |
| Map sheet Name: | Map sheet number: |
| Location description: <u>Swamp 11 - upland swamp.</u> | |
| Northing <u>6192269</u> | |
| LGA: | |

| | |
|---|---|
| Survey Details: | |
| Type of amplification? <u>loud hailer</u> | Duration of call playback (minutes)? <u>5</u> |
| Duration of listening (minutes)? <u>5</u> | |

| | |
|-------------------------------------|----------------------|
| Weather at start of survey | |
| Cloud cover: <u>0/8</u> | Moon: <u>None</u> |
| Wind Direction and speed: <u>SW</u> | Rain: <u>None</u> |
| Temperature (°C): <u>13.2</u> | Humidity: <u>89%</u> |
| Comments: | |

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-----------------------------|----------------------------|-------------------------------|--|
| Observation types | | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching | |
| W Heard call | D Dog kill | Z In raptor/owl pellet | |
| X In scat | C Cat kill | M Miscellaneous | |
| T Trapped or netted | V Fox kill | E Nest or roost | |
| H Hair or feathers | S Shot | B Bones or teeth | |
| A Stranded/beached | I Fossil/sub-fossil | N Not located | |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat Type | | |
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CR Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farn/fire dam | IR In reeds | TR ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

10 MAY 2007



Call Playback Survey Proforma

upland swamp

Project #: 2607
 Observer: J. S. RVE
 Date: 18/6/07

Location and timing

MGA Zone: 36 508 GFS 2 Easting 2 8 8 5 9 3 Northing 6 1 9 2 2 6 9
 Start time (24 h): 20:21 Finish time (24 h): 21:26
 Map sheet Name: Map sheet number: LGA: F
 Location description: Swamp 11 - Upland swamp call playback

Survey Details

Type of amplification? Loud hailer Duration of call playback (minutes)? 5
 Duration of listening (minutes)? 5

Weather at start of survey

Cloud cover: 0/6 Moon: 1/4 - Full light
 Wind Direction and speed: NIL Rain: NIL
 Temperature (°C): 11.6 92% Humidity
 Comments:

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| AW Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Car kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | N Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

| Microhabitat Type | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | BR In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| GK Crevice in rock | HL In tree hollow | OW Over water |
| CL Crevice in log | L In litter | RD On road |
| DA Dam/fire dam | RR In reeds | TR ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| PW Edge of water | LT In live tree | UC Upper canopy |
| PC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

10 MAY 2007

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Call Playback Survey
Proforma

Upland Swamp - owls

Project #: 4447

Observer: RVR

Date: 18/4/07

| | | |
|---|---------------------------|-------------------|
| Location and timing: 508 | | |
| MGA Zone: 56 GPS2 508 | Easting: 288593 | Northing: 6152267 |
| Start time (24 h): 18:06 | Finish time (24 h): 19:11 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Upland swamp - Swamp 11 | | |

| | |
|------------------------------------|---|
| Survey Details | |
| Type of amplification? LOWDRALEE | Duration of call playback (minutes)? 25 |
| Duration of listening (minutes)? 5 | |

| | |
|-------------------------------|--------------------------------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: Full light, but no moon. |
| Wind direction and speed: NIL | Rain: NIL |
| Temperature (°C): 14.8°C | 89% |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0-None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Observation types | | |
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| P : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Microhabitat type | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

10 MAY 2007

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Call Playback Survey Proforma

Project #: 1447

Observer: JC

Date: 20/4/07

Upland Swamp - Owls

| | | | |
|--------------------------|-------------------|---------------------|----------------------------|
| Location and timing | | | S08 |
| MGA Zone: | Easting | 788593 | Northing |
| | | 6197269 | |
| Start time (24 h): | 17:56 | Finish time (24 h): | 19:06 |
| | | | 1hr 10mins + 6mins LJS CP. |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: | | | |
| Upland Swamp - Swamp II. | | | |

| | |
|--------------------------------------|-------------|
| Survey Details | |
| Type of amplification? | loud hailer |
| Duration of listening (minutes)? | 5 |
| Duration of call playback (minutes)? | 5 |

| | |
|----------------------------|----------------------|
| Weather at start of survey | |
| Cloud cover: | 2/8 |
| Wind Direction and speed: | still - light breeze |
| Temperature (°C): | 15.8 |
| Comments: | |
| Moon: | less than 1/4 |
| Rain: | None |
| Humidity: | 80% |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | | |
|-------------------|----------------------|----------|-------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| F | Tracks, scratching | M | Miscellaneous |
| Z | In raptor/owl pellet | N | Not located |
| E | Nest or roost | B | Bones or teeth |

| Microhabitat Type | | | |
|-------------------|----------------------|-----------|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BE | In building | IG | In grass |
| CK | Crevice in rock | TH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DE | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | UB | Under bark |
| OL | On log | UC | Upper canopy |
| OR | On rock | UG | Undergrowth |
| OW | Over water | UL | Under log |
| RD | On road | UR | Under rock |
| TR | On trunk | WH | Waterhole |

| Playback Details | | Species Response | | | |
|--------------------------|-----------------------------------|------------------|---|----------|--|
| Time (24 h) | Call species name | Time (24 h) | Species name | No. Ind. | Comment |
| 18:06 | Grass Owl | 18:11 | No response | | |
| 18:16 | Barking Owl | 18:21 | No response | | |
| 18:26 | Sooty Owl | 18:31 | No response | | |
| 18:36 | Masked Owl | 18:41 | No response | | |
| 18:46 | Powerful Owl | 18:51 | No response | | |
| <u>After Owl survey:</u> | | | | | |
| 19:06 | <i>Litoria littlejohni</i> | 19:09 | No response | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| <u>Incidentals:</u> | | | | | |
| | White-striped Freetail bat (H) | | | | |
| | <i>Crinia signata</i> (H) | | | | |
| | Fox x1 (0) | | | | |
| | <i>Litoria littlejohni</i> x1 (H) | | very far away. (after Masked Owl, before Powerful Owl). | | |
| | Boobook Owl (H) | | | | |
| | | | | | probably from same creekline where heard previously. |
| | | | | | |
| | | | | | |
| | | | | | |

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43

10 MAY 2007

**Call Playback Survey
Proforma**

Project #: 4447

Observer: NEO

Date: 21-4-07

BIOSIS

Mammals + Owls - upland
swamp

| | | |
|--|---------------------------|------------------|
| Location and timing | | |
| MGA Zone: 508 | Easting: 170017 | Northing: 011001 |
| Start time (24 h): 19:19 | Finish time (24 h): 20:29 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Swamp 11, upland swamp. | | |

| | |
|------------------------------------|--|
| Survey Details | |
| Type of amplification? Loud hailer | Duration of call playback (minutes)? 5 |
| Duration of listening (minutes)? 5 | |

| | |
|-----------------------------------|---------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: 1/4 |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 11.2°C 81% | Humidity: 81% |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0= None, 1= 1/4 Moon, 2= 1/2 Moon, 4= Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0= calm, 1= light, leaves rustle, 2= moderate, branches move, 3= strong, tops of trees move.

| | | | | | |
|--------------------------|--------------------|----------|-------------------|----------|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | T | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| | | | | | |
|--------------------------|----------------------|-----------|----------------|-----------|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | BB | In burrow | OB | On beach sand |
| BR | In/on bridge | BC | In cave | OL | On log |
| BT | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | TH | In tree hollow | OW | Over water |
| CL | Crevice in log | LF | In litter | RD | On road |
| DA | Farm/fire dam | RR | In reeds | TR | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | LT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

10 MAY 2007

S08
 + L. Hillebrand
 S08 - CP-Mammal - Swamp.



Call Playback Survey Proforma

ENTERED

| |
|-------------------|
| Project #: 4447 |
| Observer: MV, NEU |
| Date: 21.04.07 |

| | | |
|--|----------------------------------|-------------------------|
| Location and timing | | |
| MGA Zone: | Easting <u>288555</u> | Northing <u>6192374</u> |
| Start time (24 h): <u>19:10</u> | Finish time (24 h): <u>20:20</u> | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>Swamp 11 - mammal callplay back</u> | | |

| | |
|---|---|
| Survey Details | |
| Type of amplification? <u>loud hailer</u> | Duration of call playback (minutes)? <u>5mins</u> |
| Duration of listening (minutes)? <u>5mins</u> | |

| | |
|--|-------------------------|
| Weather at start of survey | |
| Cloud cover: <u>7/8</u> | Moon: <u>0 - 1/4</u> |
| Wind Direction and speed: <u>0</u> | Rain: <u>0</u> |
| Temperature (°C): <u>17°C</u> | Humidity: <u>60-70%</u> |
| Comments: <u>calm overcast night. small amounts of lightning</u> | |

Cloud cover: Record cover in sights of sky
 Moon: Record using the following codes: 0=Nonc, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located |

| Microhabitat Type | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Farm/lire dam | IR : In reeds | TK : ON trunk |
| DL : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

ENTERED
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10 MAY 2007

CP - Owl - Swamping.



Call Playback Survey Proforma

| |
|---------------------|
| Project #: 4447 |
| Observer: KJC + NEO |
| Date: 23/04/07 |

| | | |
|---|------------------------------|-------------------------------|
| Location and timing | | |
| MGA Zone: 56 | Easting <input type="text"/> | Northing <input type="text"/> |
| Start time (24 h): 17-28 | Finish time (24 h): 17-58 | |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: Swamp II CP site. | | |

| | |
|------------------------------------|--|
| Survey Details | |
| Type of amplification? loud hailer | Duration of call playback (minutes)? 5 |
| Duration of listening (minutes)? 5 | |

| | |
|---------------------------------------|------------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: 2 |
| Wind Direction and speed: 0 | Rain: Rain |
| Temperature (°C): Cold | |
| Comments: Sugar Glider (H) distant | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = 1/8 Moon, 2 = 2/8 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|----------|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| E | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | B | Nest or roost |
| Y | Bones or teeth | N | Not located |

| Microhabitat Type | | | |
|-------------------|----------------------|-----------|---------------|
| AC | Flying above canopy | OB | On beach sand |
| DB | In/on bridge | OL | On log |
| BU | In building | OR | On rock |
| CK | Crevice in rock | OW | Over water |
| CL | Crevice in log | RD | On road |
| DA | Dam/fire dam | TK | ON trunk |
| DT | In dead tree (stag) | UB | Under bark |
| EW | Edge of water | UC | Upper canopy |
| FP | In/on post or stump | UG | Undergrowth |
| FL | Flying within canopy | UL | Under log |
| GR | On ground | UR | Under rock |
| HS | High shrub | WH | Waterhole |
| IB | In burrow | | |
| IC | In cave | | |
| IG | In grass | | |
| IH | In tree hollow | | |
| IL | In litter | | |
| IR | In reeds | | |
| IS | In soil | | |
| IT | In live tree | | |
| IW | In water | | |
| LC | Lower canopy | | |
| LS | Low shrub | | |
| MC | Mid canopy | | |

ENTERED
46

10 MAY 2007

5209

CP-OWLS-Steve



BIOSIS

Call Playback Survey
Proforma

| |
|-----------------|
| Project #: 4491 |
| Observer: WLB |
| Date: 10/4/07 |

| | | |
|--|---|--|
| Location and timing | | |
| MGA Zone: | Easting <input type="text" value="289400"/> | Northing <input type="text" value="119580"/> |
| Start time (24 h): 10:20 | Finish time (24 h): 21:30 | |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: Donalds Castle Creek at intersection of creek and 6. CP facing upstream. | | |

| | |
|--|---|
| Survey Details | |
| Type of amplification? <u>Sound Hailer</u> | Duration of call playback (minutes)? <u>5</u> |
| Duration of listening (minutes)? <u>5</u> | |

| | |
|-------------------------------------|------------------|
| Weather at start of survey | |
| Cloud cover: <u>1/8</u> | Moon: <u>0</u> |
| Wind Direction and speed: <u>NW</u> | Rain: <u>N/A</u> |
| Temperature (°C): <u>13.2°C</u> | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|---------------------------------------|--------------------|----------------------------|-------------------|----------------------------|----------------------|
| Observation types | | | | | |
| <input type="checkbox"/> O | Observed (sighted) | <input type="checkbox"/> R | Road kill | <input type="checkbox"/> T | Tracks, scratching |
| <input type="checkbox"/> W | Heard call | <input type="checkbox"/> D | Dog kill | <input type="checkbox"/> Z | In raptor/owl pellet |
| <input checked="" type="checkbox"/> X | In scat | <input type="checkbox"/> C | Cat kill | <input type="checkbox"/> M | Miscellaneous |
| <input type="checkbox"/> T | Trapped or netted | <input type="checkbox"/> V | Fox kill | <input type="checkbox"/> N | Nest or roost |
| <input type="checkbox"/> H | Hair or feathers | <input type="checkbox"/> S | Shot | <input type="checkbox"/> Y | Bones or teeth |
| <input type="checkbox"/> A | Stranded/beached | <input type="checkbox"/> I | Fossil/sub-fossil | <input type="checkbox"/> N | Not located |

| | | | | | |
|-----------------------------|----------------------|-----------------------------|----------------|-----------------------------|---------------|
| Microhabitat Type | | | | | |
| <input type="checkbox"/> AC | Flying above canopy | <input type="checkbox"/> UB | In burrow | <input type="checkbox"/> OB | On beach sand |
| <input type="checkbox"/> BR | In/en bridge | <input type="checkbox"/> IC | In cave | <input type="checkbox"/> OL | On log |
| <input type="checkbox"/> BF | In building | <input type="checkbox"/> BG | In grass | <input type="checkbox"/> OR | On rock |
| <input type="checkbox"/> CR | Crevice in rock | <input type="checkbox"/> IH | In tree hollow | <input type="checkbox"/> OW | Over water |
| <input type="checkbox"/> CL | Crevice in log | <input type="checkbox"/> IL | In litter | <input type="checkbox"/> RD | On road |
| <input type="checkbox"/> DA | Farm/fire dam | <input type="checkbox"/> IR | In reeds | <input type="checkbox"/> TR | ON trunk |
| <input type="checkbox"/> DT | In dead tree (stag) | <input type="checkbox"/> IS | In soil | <input type="checkbox"/> UB | Under bark |
| <input type="checkbox"/> EW | Edge of water | <input type="checkbox"/> IT | In live tree | <input type="checkbox"/> UC | Upper canopy |
| <input type="checkbox"/> FC | In/en post or stump | <input type="checkbox"/> IW | In water | <input type="checkbox"/> UG | Undergrowth |
| <input type="checkbox"/> FE | Flying within canopy | <input type="checkbox"/> LC | Lower canopy | <input type="checkbox"/> UL | Under log |
| <input type="checkbox"/> GE | On ground | <input type="checkbox"/> LS | Low shrub | <input type="checkbox"/> UR | Under rock |
| <input type="checkbox"/> HS | High shrub | <input type="checkbox"/> MC | Mid canopy | <input type="checkbox"/> WH | Waterhole |

ENTERED

10 MAY 2007



Call Playback Survey Proforma

Project #: 4447
Observer: JC
Date: 18-4-07

Call-playback - owls - gully.

Location and timing
MGA Zone:
Start time (24 h): 21:48
Finish time (24 h): 22:58
Map sheet Name:
Map sheet number:
LGA:
Location description:
Donald's Castle Creek (from track 6). - Gully

Survey Details
Type of amplification? loud hailer
Duration of call playback (minutes)? 5
Duration of listening (minutes)? 5

Weather at start of survey
Cloud cover: 0/8
Wind Direction and speed: still
Temperature (°C): 7.9
Humidity: 92%
Moon: None
Rain: None

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2 Moon, 3 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Table with 4 columns: Observation types, Observed (sighted), Road kill, Tracks, scratching, Heard call, Dog kill, In raptor/owl pellet, In scat, Cat kill, Miscellaneous, Trapped or netted, Fox kill, Nest or roost, Hair or feathers, Shot, Bones or teeth, Stranded/beached, Fossil/sub-fossil, Not located

Table with 4 columns: Microhabitat Type, Flying above canopy, In burrow, On beach sand, In/on bridge, In cave, On log, In building, In grass, On rock, Crevice in rock, In tree hollow, Over water, Crevice in log, In litter, On road, Farm/fire dam, In reeds, ON trunk, In dead tree (stag), In soil, Under bark, Edge of water, In live tree, Upper canopy, In/on post or stump, In water, Undergrowth, Flying within canopy, Lower canopy, Under log, On ground, Low shrub, Under rock, High shrub, Mid canopy, Waterhole

ENTERED

10 MAY 2007



Call Playback Survey Proforma

Project #: 4447

Observer: RVB & JC

Date: 20/4/07

Owls.
Cully site. ~~Strong~~

Location and timing

| | | |
|--|------------------------------|-------------------------------|
| MGA Zone: 56 | Easting <input type="text"/> | Northing <input type="text"/> |
| Start time (24 h): 19:36 | Finish time (24 h): 20:41 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: CALL - PLAYBACK OWLS Donald's Castle Creek, looking South up creek from road. | | |

Survey Details

| | |
|--|--|
| Type of amplification? LOUDHALLER | Duration of call playback (minutes)? 3 min |
| Duration of listening (minutes)? 5 minutes | |

Weather at start of survey

| | |
|---------------------------------|----------------|
| Cloud cover: 0/8 | Moon: None |
| Wind Direction and speed: still | Rain: Nil |
| Temperature (°C): 9.8 | Humidity = 51% |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

Observation types

| | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scorching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located |

Microhabitat Type

| | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BB : In building | IG : In grass | OR : On rock |
| CR : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| FA : Farm/fire dam | IR : In reeds | TR : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

10 MAY 2007

ENTERED
50



**Call Playback Survey
Proforma**

Project #: 9447

Observer: RJB

DWL GULLY CML PLAYBACK

Date: 21/4/07

| Location and timing | | |
|--|---|--|
| MGA Zone: 56 | Easting <u> </u> ^{Get from RSC} <u> </u> <u> </u> <u> </u> | Northing <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> |
| Start time (24 h): 22:56 | Finish time (24 h): 0:01 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Owl call playback at road junction in of Donald's Castle Creek looking south up creek. | | |

| Survey Details | |
|---|---|
| Type of amplification? <u>LOW DHAILE-R</u> | Duration of call playback (minutes)? <u>5 min</u> |
| Duration of listening (minutes)? <u>5 min</u> | |

| Weather at start of survey | |
|--------------------------------------|---------------------------------------|
| Cloud cover: <u>8/8</u> | Moon: <u>moderate light thin moon</u> |
| Wind Direction and speed: <u>NIL</u> | Rain: <u>NIL</u> |
| Temperature (°C): <u>11</u> | Humidity: <u>91%</u> |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 None, 1 $\frac{1}{4}$ Moon, 2 $\frac{1}{2}$ Moon, 4 Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | T Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | V Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

| Microhabitat Type | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CR Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/lire dam | IR In reeds | TR ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FP In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

10 MAY 2007

ENTERED



Call Playback Survey Proforma

Project #: 4447
 Observer: RNB & JC
 Date: 22/4/09

GULLY OWL CALL PLAYBACK

Location and timing: Katie's waypoint
 MGA Zone: S6 Easting 11111 Northing 1100000
 Start time (24 h): 18:36 Finish time (24 h): 19:16
 Map sheet Name: _____ Map sheet number: _____ LGA: _____
 Location description: Donald's Castle Creek Owl call playback facing south up creek on road crossing

Survey Details
 Type of amplification? LOUDHAILER Duration of call playback (minutes)? 5 min
 Duration of listening (minutes)? 5 min

Weather at start of survey:
 Cloud cover: 0/8 Moon: moderate light
 Wind direction and speed: N1E Rain: NIL
 Temperature (°C): 15-8 Humidity: 86%
 Comments: _____

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|-----------|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| TR | | SE | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | N | Nest or roost |
| | | Y | Bones or teeth |
| | | N | Not located |

| Microhabitat type | | | |
|-------------------|----------------------|-----------|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CR | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TR | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

ENTERED

10 MAY 2007

S209

CP-owl-ALLY



Call Playback Survey Proforma

Project #: 4447

Observer: KJC + NED

Date: 23/04/07

Location and timing S209

| | | |
|--------------------------|---------------------------|------------------|
| MGA Zone: 56 CPS#4 | Easting: 287396 | Northing: 619532 |
| Start time (24 h): 18:12 | Finish time (24 h): 18:40 | |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:

DC creek - CP site

Survey Details

| | |
|------------------------------------|--|
| Type of amplification? loud water | Duration of call playback (minutes)? 5 |
| Duration of listening (minutes)? 5 | |

Weather at start of survey

| | |
|-----------------------------|----------------|
| Cloud cover: 8 | Moon: ? |
| Wind direction and speed: 0 | Rain: Spitting |
| Temperature (°C): cold | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | T : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | N : Nest or roost |
| H : Hair or feathers | S : Shot | B : Bones or teeth |
| A : Stranded/beached | F : Fossil/sub-fossil | L : Not located |

Microhabitat Type

| | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TR : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IJ : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |



Call Playback Survey Proforma

Gully site - Owls.

| | |
|------------|------------|
| Project #: | 4447 |
| Observer: | JC, RMM TP |
| Date: | 16/5/07 |

| | | |
|--|------------------------------|-------------------------------|
| Location and timing | | |
| MGA Zone: | Easting <input type="text"/> | Northing <input type="text"/> |
| Start time (24 h): 19.22 | Finish time (24 h): 19.27 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: DCC facing upstream from fire rd 6 | | |

| | | | |
|----------------------------------|-------------|--------------------------------------|---|
| Survey Details | | | |
| Type of amplification? | loud hooter | Duration of call playback (minutes)? | 5 |
| Duration of listening (minutes)? | 15 | 10 before and 5 after call playback | |

| | | | |
|-----------------------------------|------------------------------------|-------|---|
| Weather at start of survey | | | |
| Cloud cover: | 7/8 | Moon: | 0 |
| Wind Direction and speed: | 0 | Rain: | 0 |
| Temperature (°C): | 17°C | | |
| Comments: | See trip 1 data sheet for waypoint | | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------------------|------------------------------|---------------------------------|--|
| Observation types | | | |
| O : Observed (sighted) | R : Road kill | T : Tracks, scratching | |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet | |
| X : In scat | C : Cat kill | M : Miscellaneous | |
| T : Trapped or nested | V : Fox kill | E : Nest or roost | |
| H : Hair or feathers | S : Shot | Y : Bones or teeth | |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located | |

| | | | |
|----------------------------------|----------------------------|---------------------------|--|
| Microhabitat Type | | | |
| AC : Flying above canopy | IB : In burrow | QB : On beach sand | |
| BR : In/on bridge | IC : In cave | OL : On log | |
| BU : In building | IG : In grass | OR : On rock | |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water | |
| CL : Crevice in log | IJ : In litter | RD : On road | |
| DA : Dam/fire dam | IR : In reeds | TK : ON trunk | |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark | |
| EW : Edge of water | IT : In live tree | UC : Upper canopy | |
| FC : In/on post or stump | IW : In water | UG : Undergrowth | |
| FL : Flying within canopy | IL : Lower canopy | UL : Under log | |
| GR : On ground | LS : Low shrub | UR : Under rock | |
| HS : High shrub | MC : Mid canopy | WH : Waterhole | |

10 MAY 2007

ENTERED

UPLAND SWAMP

S13



Call Playback Survey Proforma

Frogs - Upland Swamp

| | |
|------------|--------|
| Project #: | 4447 |
| Observer: | RVB |
| Date: | 5/4/07 |

| | | |
|---|----------------------------------|-------------------------|
| Location and timing: | | |
| MGA Zone: <u>6PS 43</u> S13 | Easting <u>289780</u> | Northing <u>619767A</u> |
| Start time (24 h): <u>20:30</u> | Finish time (24 h): <u>21:11</u> | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>Upland swamp - east of Luke's track, (Peanut Swamp). south of Y03</u> <u>For access, go to XXXXXXXX 'XPNUT' on Luke's track.</u> | | |

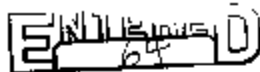
| | |
|--|---|
| Survey Details: | |
| Type of amplification? <u>Low power</u> | Duration of call playback (minutes)? <u>3</u> |
| Duration of listening (minutes)? <u>41 min</u> | |

| | |
|---|----------------------|
| Weather at start of survey: | |
| Cloud cover: <u>2/8</u> | Moon: |
| Wind Direction and speed: <u>Nil</u> | Rain: <u>Nil</u> |
| Temperature (°C): <u>12-30°C</u> | Humidity: <u>84%</u> |
| Comments: <u>1x Australian Cuckoo nightjar (H)</u> <u>1x white striped heron (H)</u> <u>2x sugar glider (H)</u> | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|---------------------------------------|--------------------|----------------------------|----------------------|
| Observation types | | | |
| <input type="checkbox"/> O | Observed (sighted) | <input type="checkbox"/> R | Road kill |
| <input type="checkbox"/> W | Heard call | <input type="checkbox"/> D | Dog kill |
| <input checked="" type="checkbox"/> X | In scat | <input type="checkbox"/> C | Cat kill |
| <input type="checkbox"/> T | Trapped or netted | <input type="checkbox"/> V | Fox kill |
| <input type="checkbox"/> H | Hair or feathers | <input type="checkbox"/> S | Shot |
| <input type="checkbox"/> A | Stranded/beached | <input type="checkbox"/> I | Fossil/sub-fossil |
| <input type="checkbox"/> F | Tracks, scratching | <input type="checkbox"/> Z | In raptor/owl pellet |
| <input type="checkbox"/> M | Miscellaneous | <input type="checkbox"/> E | Nest or roost |
| <input type="checkbox"/> Y | Bones or teeth | <input type="checkbox"/> N | Not located |

| | | | |
|-----------------------------|----------------------|-----------------------------|----------------|
| Microhabitat Type | | | |
| <input type="checkbox"/> AC | Flying above canopy | <input type="checkbox"/> BR | In burrow |
| <input type="checkbox"/> BR | In/on bridge | <input type="checkbox"/> IC | In cave |
| <input type="checkbox"/> BU | In building | <input type="checkbox"/> IG | In grass |
| <input type="checkbox"/> CK | Crevice in rock | <input type="checkbox"/> IH | In tree hollow |
| <input type="checkbox"/> CL | Crevice in log | <input type="checkbox"/> IL | In litter |
| <input type="checkbox"/> DA | Dam/fire dam | <input type="checkbox"/> IR | In reeds |
| <input type="checkbox"/> DT | In dead tree (stag) | <input type="checkbox"/> IS | In soil |
| <input type="checkbox"/> EW | Edge of water | <input type="checkbox"/> IT | In live tree |
| <input type="checkbox"/> FC | In/on post or stump | <input type="checkbox"/> IW | In water |
| <input type="checkbox"/> FL | Flying within canopy | <input type="checkbox"/> LC | Lower canopy |
| <input type="checkbox"/> GR | On ground | <input type="checkbox"/> LS | Low shrub |
| <input type="checkbox"/> HS | High shrub | <input type="checkbox"/> MC | Mid canopy |
| <input type="checkbox"/> OB | On beach sand | <input type="checkbox"/> OR | On rock |
| <input type="checkbox"/> OL | On log | <input type="checkbox"/> OW | Over water |
| <input type="checkbox"/> ON | On road | <input type="checkbox"/> RB | On road |
| <input type="checkbox"/> OT | On trunk | <input type="checkbox"/> TB | Under bark |
| <input type="checkbox"/> UC | Upper canopy | <input type="checkbox"/> UG | Undergrowth |
| <input type="checkbox"/> UL | Under log | <input type="checkbox"/> UR | Under rock |
| <input type="checkbox"/> WH | Waterhole | | |



S203
10 Nov 2007

CP-Frogs - Cully



Call Playback Survey Proforma

Project #: 4447

Observer: KJC, MV

Date: 17-04-07

Location and timing: Wpt = 203

MGA Zone: 56 CPS#4 Easting 2900052 Northing 61193409

Start time (24 h): 00-20 Finish time (24 h): 0105

Map sheet Name: Map sheet number: LGA:

Location description: LUKE'S CK TRACK CROSSING

Survey Details

Type of amplification? loud trailer Duration of call playback (minutes)? 5 min

Duration of listening (minutes)? 5 min

Weather at start of survey

Cloud cover: 0 Moon: 0

Wind Direction and speed: 0 Rain: NIL

Temperature (°C): 12-5

Comments:

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-----------------------------|----------------------------|-------------------------------|--|
| O Observed (sighted) | R Road kill | F Tracks, scratching | |
| W Heard call | D Dog kill | Z In raptor/owl pellet | |
| X In scat | C Cat kill | M Miscellaneous | |
| T Trapped or netted | V Fox kill | E Nest or roost | |
| H Hair or feathers | S Shot | Y Bones or teeth | |
| A Stranded/beached | I Fossil/sub-fossil | N Not located | |

| Microhabitat Type | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TK ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Watchhole |

10 MAY 2007

ENTERED
65

5203

CP - Frogs - Casting
Report # 2

Call Playback Survey Proforma

Project #: 4447

Observer: KJC + NKO

Date: 13/04/07

| | | |
|--|---------------------------|------------------|
| Location and timing: GPS # 4 | | |
| MGA Zone: 56 203 | Easting 290052 | Northing 6193404 |
| Start time (24 h): 19.59 | Finish time (24 h): 22.44 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Lulce's creek at crossing with Lulce's track, downstream. | | |

| | |
|-------------------------------------|--|
| Survey Details | |
| Type of amplification? low a hailer | Duration of call playback (minutes)? 5 |
| Duration of listening (minutes)? 5 | |

| | |
|------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: 0 |
| Wind Direction and speed: 3 | Rain: Nil |
| Temperature (°C): 13.2°C 76% | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes; 0=None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes; 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | G | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/en bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

ENTERED

10 MAY 2007

UPLAND SWAMP SU



BIOSIS

Call Playback Survey**Proforma**UPLAND SWAMP
FROM CALL PLAYBACK

Project #: 4447

Observer: C & PUB

Date: 23/4/07

| | | |
|---|--------------------------|-------------------|
| Location and timing | | |
| MGA Zone: 56 | Easting: 292478 | Northing: 6194866 |
| Start time (24 h): 01:27 | Finish time (24 h): 2:03 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Upland swamp - 6C swamp. | | |

| | |
|--|--|
| Survey Details | |
| Type of amplification? LOUDSPEAKER | Duration of call playback (minutes)? 3 min |
| Duration of listening (minutes)? 3 min | |

| | |
|-------------------------------|-------------------|
| Weather at start of survey: | |
| Cloud cover: 5/8 | Moon: Full light. |
| Wind Direction and speed: N/E | Rain: Nil |
| Temperature (°C): 11 | H: 92% |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 = None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the

following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Car kill | M | Miscellaneous |
| T | Trapped or netted | Y | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | B | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CR | Crevise in rock | IH | In tree hollow | OW | Over water |
| CI | Crevise in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UD | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

ENTERED
25

10 MAY 2007



BIOSIS

Call Playback Survey
Proforma

Frog call playback -
upland swamp.

Project #: 4447

Observer: RVB + JR

Date: 23.4.07

| | | |
|--------------------------|---------------------------|----------|
| Location and timing | | |
| MGA Zone: 56 | Hasting | Northing |
| Start time (24 h): 22:08 | Finish time (24 h): 22:37 | |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:
Upland swamp - 6C swamp. Facing downswamp.

| | |
|--|--|
| Survey Details | |
| Type of amplification? 1.0 x 11.0 dB | Duration of call playback (minutes)? 3 min |
| Duration of listening (minutes)? 3 min | |

| | |
|----------------------------------|--------------------------------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: Half covered (by clouds) |
| Wind Direction and speed: breeze | Rain: shower |
| Temperature (°C): 12.2 | h = 92% |

Comments:

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 - None, 1 - 1/8 Moon, 2 - 1/4 Moon, 4 - Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/life dam | IR | In reeds | TK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WL | Waterhole |

10 MAY 2007

ENTERED

~~S286~~
S17

CP - Frogs - Curly
Rep #2



Call Playback Survey
Proforma

Project #: 4447
Observer: KJC
Date: 21/04/07

MGA Zone: S6 CP#4 Easting 289902 Northing 6193030
Start time (24 h): 19.02 Finish time (24 h): 19.29
Map sheet Name: Map sheet number: LGA:
Location description:
Link's Creek - 20m NE of X03

Type of amplification? loud speaker Duration of call playback (minutes)? 8 min
Duration of listening (minutes)? 2 min

Weather at start of survey:
Cloud cover: 1/8 Moon: 1
Wind Direction and speed: 0 Rain: Nil
Temperature (°C): 17.7 °C 63.7 °F
Comments:

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 = None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|--------------------|-------------------|--------------------|
| Observed (sighted) | Road kill | Tracks, scratching |
| Heard call | Dog kill | raptor/owl pellet |
| In scat | Cat kill | Miscellaneous |
| Trapped or netted | Fox kill | Nest or roost |
| Hair or feathers | Shot | Bones or teeth |
| Stranded/beached | Fossil/sub-fossil | Not located |

| | | |
|----------------------|----------------|---------------|
| Flying above canopy | In burrow | On beach sand |
| In/on bridge | In cave | On log |
| In building | In grass | On rock |
| Crevice in rock | In tree hollow | Over water |
| Crevice in log | In litter | On road |
| Fern/fire dam | In reeds | ON trunk |
| In dead tree (stag) | In soil | Under bark |
| Edge of water | In live tree | Upper canopy |
| In/on post or stump | In water | Undergrowth |
| Flying within canopy | Lower canopy | Under log |
| On ground | Low shrub | Under rock |
| High shrub | Mid canopy | Waterhole |

ENTERED

10 MAR 2007



BIOSIS

Call Playback Survey Proforma

PROX CALL PLAYBACK - gully.

Project #: 4447
 Observer: SC & RVB
 Date: 23/4/07

Location and timing: 876
 MGA Zone: Easting 293824 Northing 6192660
 Start time (24 h): 22:52 Finish time (24 h): 23:08
 Map sheet Name: Map sheet number: LGA:
 Location description: SINON CRACK on crossing, facing downstream.

Survey Details
 Type of amplification? loud hailer Duration of call playback (minutes)? 3
 Duration of listening (minutes)? 3

Weather at start of survey:
 Cloud cover: 8/8 Moon: Can't see
 Wind direction and speed: Breeze Rain: spitting
 Temperature (°C): 13.6 Humidity: 92%
 Comments:

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation Types | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located |

| Microhabitat Type | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | OD : On road |
| DA : Farm/life dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

ENTERED
16/5/07



Call Playback Survey Proforma

Project #: 4447

Observer: JC

Date: 16/5/07

Frogs - gully site -
2nd replicate.

| | | |
|---|---|--|
| Location and time | | |
| MGA Zone: | Easting <input type="text" value="000000"/> | Northing <input type="text" value="770000"/> |
| Start time (24 h): 21:01 | Finish time (24 h): 21:30 | |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: Sandy Creek, from bridge, facing downstream. See Trip! datasheet for waypoint. | | |

| | |
|--|---|
| Survey Details | |
| Type of amplification? Insect beater | Duration of call playback (minutes)? 3 mins each. |
| Duration of listening (minutes)? 3 mins each | 5 min initial listening period. |

| | |
|-----------------------------------|---------------|
| Weather at start of survey | |
| Cloud cover: 7/8 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: 0 |
| Temperature (°C): 13.5°C | Humidity: 95% |
| Comments: | |

Note: running water in creek very noisy, difficult to hear far.

Cloud cover: Record cover in elgths of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|--------------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | N | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| | | | | | |
|--------------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OD | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

ENTERED
58

10 MAY 2007



BIOSIS

Call Playback Survey
Proforma

Frogs - gully.

| | |
|------------|---------|
| Project #: | 4447 |
| Observer: | JC |
| Date: | 17.4.07 |

| | | |
|---|----------------------------------|-------------------------|
| Location and timing: S17 | | |
| MGA Zone: | Fasting <u>287957</u> | Northing <u>6193030</u> |
| Start time (24 h): <u>23:24</u> | Finish time (24 h): <u>00:08</u> | <u>44</u> mins. |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: start of frog transect from S17 to S18 - creek adjacent (east) of Luke's track (just north east of X03). | | |

Note: no Green and Golden Bell Frog habitat.

| | |
|---|---|
| Survey Details | |
| Type of amplification? <u>loud hailer</u> | Duration of call playback (minutes)? <u>3</u> |
| Duration of listening (minutes)? <u>3</u> | |

| | |
|--|----------------------|
| Weather at start of survey: | |
| Cloud cover: <u>0/8</u> | Moon: <u>None</u> |
| Wind Direction and speed: <u>still</u> | Rain: <u>None</u> |
| Temperature (°C): <u>11.8</u> | Humidity: <u>91%</u> |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Observation types | | |
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | Y : Fossil/sub-fossil | N : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Microhabitat Type | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Farm/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GC : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

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10 MAY 2007

0105 - maximum LR - night - lowing

APR 28



BIOSIS

Call Playback Survey Proforma

Project #: 4447
 Observer: M.V. Smith
 Date: 17, 4/07

Location and timing

MGA Zone: Easting 292945 Northing 6197312

Start time (24 h): 21:30 Finish time (24 h): 22:15

Map sheet Name: Map sheet number: LGA:

Location description: Wongawilli (bank ON RD 6)
map 6

Survey Details

Type of amplification? loudspeaker Duration of call playback (minutes)? 20 mins

Duration of listening (minutes)? 20 mins

Weather at start of survey

Cloud cover: 15% Moon: 0

Wind Direction and speed: 0 N.I Rain: 0

Temperature (°C): 15°C

Comments:

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | | | | |
|---|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In repton/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

Microhabitat Type

| | | | | | |
|----|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevices in rock | IH | In tree hollow | OW | Over water |
| CL | Crevices in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In rocks | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |



Call Playback Survey Proforma

ENTERED

10 MAY 2007

Project #: 4447
 Observer: JC & RVB
 Date: 21/4/07

Location and timing: Wangamitli Creek
 MGA Zone: 56 Easting: 000000 Northing: 000000
 Start time (24 h): 0:07 Finish time (24 h): 0:38
 Map sheet Name: Map sheet number: IGA:
 Location description: FROM CALL PLAYBACK Wangamitli Creek, looking South from intersection with track 6.

Survey Details
 Type of amplification? LOUDHAULER Duration of call playback (minutes)? 3
 Duration of listening (minutes)? 3

Weather at start of survey
 Cloud cover: 0/8 Moon: Moderate light, thin moon
 Wind Direction and speed: NW Rain: NIL
 Temperature (°C): 7.3 74% Humidity
 Comments:

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2 Moon, 4= Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CE | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/lire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

10 MAY 2007

ENTERED
6/2

S200-CP-Frogs-Gully



BIOSIS

Call Playback Survey Proforma

Project #: 4447

Observer: KJC + MV

Date: 16.04.07

| | | |
|--|---------------------|------------------|
| Location and timing: CPS # 4 | | |
| MGA Zone: 56 ^{WPT} 3200 | Easting 270457 | Northing 6194266 |
| Start time (24 h): 22:05 | Finish time (24 h): | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Lince's creek - northern most section before drop off into Wongahill creek | | |

| | |
|------------------------------------|--|
| Survey Details | |
| Type of amplification? loud hoaxes | Duration of call playback (minutes)? 5 |
| Duration of listening (minutes)? 3 | |

| | |
|-----------------------------|----------|
| Weather at start of survey: | |
| Cloud cover: 0/3 | Moon: ☉ |
| Wind direction and speed: ☺ | Rain: NN |
| Temperature (°C): 4.1 | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 = None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|---------------------------------------|--------------------|----------------------------|-------------------|----------------------------|----------------------|
| Observation types | | | | | |
| <input type="checkbox"/> O | Observed (sighted) | <input type="checkbox"/> R | Road kill | <input type="checkbox"/> F | Tracks, scratching |
| <input type="checkbox"/> W | Heard call | <input type="checkbox"/> D | Dog kill | <input type="checkbox"/> Z | In raptor/owl pellet |
| <input checked="" type="checkbox"/> X | In scat | <input type="checkbox"/> C | Car kill | <input type="checkbox"/> M | Miscellaneous |
| <input type="checkbox"/> T | Trapped or netted | <input type="checkbox"/> V | Fox kill | <input type="checkbox"/> E | Nest or roost |
| <input type="checkbox"/> H | Hair or feathers | <input type="checkbox"/> S | Shot | <input type="checkbox"/> Y | Bones or teeth |
| <input type="checkbox"/> A | Stranded/beached | <input type="checkbox"/> I | Fossil/sub-fossil | <input type="checkbox"/> N | Not located |

| | | | | | |
|-----------------------------|----------------------|-----------------------------|----------------|-----------------------------|---------------|
| Microhabitat Type | | | | | |
| <input type="checkbox"/> AC | Plying above canopy | <input type="checkbox"/> IB | In burrow | <input type="checkbox"/> OB | On beach sand |
| <input type="checkbox"/> BR | In/on bridge | <input type="checkbox"/> IC | In cave | <input type="checkbox"/> OI | On log |
| <input type="checkbox"/> BU | In building | <input type="checkbox"/> IG | In grass | <input type="checkbox"/> OR | On rock |
| <input type="checkbox"/> CK | Crevice in rock | <input type="checkbox"/> IH | In tree hollow | <input type="checkbox"/> OW | Over water |
| <input type="checkbox"/> CI | Crevice in log | <input type="checkbox"/> IL | In litter | <input type="checkbox"/> RI | On road |
| <input type="checkbox"/> DA | Farm/fire dam | <input type="checkbox"/> IR | In reeds | <input type="checkbox"/> TR | ON trunk |
| <input type="checkbox"/> DT | In dead tree (stag) | <input type="checkbox"/> IS | In soil | <input type="checkbox"/> UB | Under bark |
| <input type="checkbox"/> EW | Edge of water | <input type="checkbox"/> IT | In live tree | <input type="checkbox"/> UC | Upper canopy |
| <input type="checkbox"/> FC | In/on post or stump | <input type="checkbox"/> IW | In water | <input type="checkbox"/> UG | Undergrowth |
| <input type="checkbox"/> FL | Flying within canopy | <input type="checkbox"/> LC | Lower canopy | <input type="checkbox"/> UL | Under log |
| <input type="checkbox"/> GR | On ground | <input type="checkbox"/> LS | Low shrub | <input type="checkbox"/> UR | Under rock |
| <input type="checkbox"/> HS | High shrub | <input type="checkbox"/> MC | Mid canopy | <input type="checkbox"/> WH | Waterhole |

ENTERED
125

10 MAY 2007

S200 Cl. Eng. Study



Call Playback Survey
Profoma

Project #: 4447
Observer: KJC + NEO
Date: 19/04/07

Location and timing

MGA Zone: 56 200 Easting 290457 Northing 6194296
Start time (24 h): 0.05 Finish time (24 h): 0.50
Map sheet Name: Map sheet number: LGA:
Location description:
Lakes Creek - at northern end point before drop off
with Wonganville

Survey Details

Type of amplification? island holder Duration of call playback (minutes)? 5
Duration of listening (minutes)? 5

Weather at start of survey

Cloud cover: 0 Moon: 0
Wind Direction and speed: 0 Rain: Nil
Temperature (°C): 9.2°C 56.9°
Comments: H2 sleeping!

Cloud cover: Record cover in sights of sky
Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2 Moon, 4=Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | | | | |
|---|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

Microhabitat Type

| | | | | | |
|----|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | QB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Dam/fire dam | IR | In reefs | TK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | ME | Mid canopy | WH | Waterhole |

10 MAY 2007

ENTERED
66

S214

CP - frogs - Cinkly



Call Playback Survey
Proforma

Project #: 4447
Observer: KCC + NEO
Date: 17/07/07

Location and timing: CP#4
MGA Zone: 56 WPT=214 Easting 271471 Northing 619768
Start time (24 h): 23:45 Finish time (24 h): 00:30
Map sheet Name: _____ Map sheet number: _____ LGA: _____
Location description:
6/6C Microcrotin creek - 90m downstream of fire rd 6. Call playback at large pool. Possible anabat site.

Survey Details
Type of amplification? loud louds Duration of call playback (minutes)? 5
Duration of listening (minutes)? 2

Weather at start of survey
Cloud cover: 1/8 - difficult to see Moon: 0
Wind Direction and speed: 0 Rain: Nil, although fine mist
Temperature (°C): 16.2 °C. 73%
Comments:
fine mist
Mean temp 24 °C. Party!

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | T Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | F Fossil/sub-fossil | N Not located |

Microhabitat type

| | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OH On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BD In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TR On trunk |
| DE In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

10 MAY 2007

CP - Frogs - Anky
Rep #2

Call Playback Survey Proforma

Project #: 4447

Observer: KJC + RMM

Date: 21/04/07

| | | |
|---|---------------------------|-------------------|
| Location and timing: 214 | | |
| MGA Zone: 56 GPS4 | Easting: 1291471 | Northing: 9197655 |
| Start time (24 h): 21:55 | Finish time (24 h): 22:24 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Intersection of BC creek - downstream from farm track. | | |

| | |
|------------------------------------|--|
| Survey Details | |
| Type of amplification? loud hailer | Duration of call playback (minutes)? 3 |
| Duration of listening (minutes)? 3 | |
| Weather at start of survey | |
| Cloud cover: 0 | Moon: 0 |
| Wind direction and speed: 0 | Rain: 0 |
| Temperature (°C): 20.0 | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = 1/8 Moon, 2 = 1/4 Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------------------|------------------------------|---------------------------------|--|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching | |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet | |
| X : In scat | C : Cat kill | M : Miscellaneous | |
| T : Trapped or netted | V : Fox kill | E : Nest or roost | |
| H : Hair or leathers | S : Shot | Y : Bones or teeth | |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located | |

| Microhabitat Type | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MG : Mid canopy | WH : Waterhole |



Call Playback Survey Proforma

Project #: 4442

Observer: KJC

Date: 19/04/07

| | |
|---|---|
| Location and timing UPT = 243 | |
| MGA Zone: 55 CP3H4 | Easting <u>290722</u> Northing <u>6194078</u> |
| Start time (24 h): 20:40 | Finish time (24 h): 21:14 |
| Map sheet Name: | Map sheet number: LGA: |
| Location description: <u>Wongaville creek - middle section across from Y04 (.90km E from vehicle). loud hailer set on W side of creek pointing into large pool.</u> | |

| | |
|--|---|
| Survey Details | |
| Type of amplification? <u>loud hailer</u> | Duration of call playback (minutes)? <u>3</u> |
| Duration of listening (minutes)? <u>3 (with a 5 second 5 mins)</u> | |

| | |
|--|------------------|
| Weather at start of survey | |
| Cloud cover: <u>2/8 - difficult to see</u> | Moon: <u>9</u> |
| Wind Direction and speed: <u>0</u> | Rain: <u>Nil</u> |
| Temperature (°C): <u>14.9, 91%</u> | |
| Comments: <u>Warm + still</u> | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Observation types | | |
| D : Observed (sighted) | R : Road kill | E : Tracks, scratching |
| W : Heard call | D : Dog kill | P : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | N : Nest or roost |
| H : Hair or feathers | S : Shot | B : Bones or teeth |
| A : Stranded/beached | F : Fossil/sub-fossil | L : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Microhabitat Type | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BI : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | JH : In tree hollow | OW : Over water |
| CH : Crevice in log | IL : In litter | RO : On road |
| DA : Farm/lire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

10 MAY 2007

S243
ENTERED

Rep call 08:00
 - Entry - Rep #2



Call Playback Survey Proforma

Project #: 4447
 Observer: ROY
 Date: 7/14/07

Location and timing 243
 MGA Zone: 56 GPS#4 Easting 290727 Northing 6194078
 Start time (24 h): 18.14 Finish time (24 h): 18.43
 Map sheet Name: _____ Map sheet number: _____ I.G.A.: _____
 Location description:
WPT 08

Survey Details
 Type of amplification? 10x hand Duration of call playback (minutes)? 12
 Duration of listening (minutes)? 12

Weather at start of survey
 Cloud cover: 2/8 Moon: 1
 Wind Direction and speed: _____ Rain: 0
 Temperature (°C): 15.4°
 Comments: FO8 - Wonggwili Creek (trick from X04)

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | B : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located |

Microhabitat/Type

| | | |
|----------------------------------|----------------------------|---------------------------|
| AG : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| PC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GB : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

ENTERED 2/18/07



Call Playback Survey Proforma

Project #: 444
 Observer: MJ 2mm
 Date: 17/4/07

WPT
4
Etrex #8

Location and timing

MGA Zone: 564 Easting 0289405 UTM Northing 6195310
 Start time (24 h): 20:00 Finish time (24 h): 20:40
 Map sheet Name: Map sheet number: I.G.A.:
 Location description: Donalds Castle Creek upstream from road 6
 WPT 4

Survey Details

Type of amplification? Loud Harrier Duration of call playback (minutes)? FIVE
 Duration of listening (minutes)? FIVE

Weather at start of survey

Cloud cover: 15% Moon: 0
 Wind Direction and speed: 0 N.I. Rain: 0
 Temperature (°C): 15°C
 Comments: —

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| C | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dug kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | M | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (slag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FB | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

10 MAY 2007

ENTERED



BIOSIS

Call Playback Survey Proforma

Frogs - gully

Project #: 4447

Observer: JC

Date: 19.4.07

| Location and timing | | |
|--|---|--|
| MGA Zone: | Easting <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | Northing <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |
| Start time (24 h): 20:50 20:56 | Finish time (24 h): 21: 24 24 = 44 mins | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Donald's Castle Creek, from track 6. 2 nd replicate. | | |

| Survey Details | | |
|------------------------------------|-------------|--|
| Type of amplification? | Loud hailer | Duration of call playback (minutes)? 3 |
| Duration of listening (minutes)? 3 | | |

| Weather at start of survey | |
|---------------------------------|---------------|
| Cloud cover: 8/8 | Moon: None |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): 12.6 | Humidity: 91% |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 = None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IL | In tree hollow | OW | Over water |
| CL | Crevice in log | TL | In litter | RD | On road |
| DA | Farm/tire dam | IR | In reeds | EK | ON trunk |
| DL | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FP | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

10 MAY 2007

ENTERED
22

S212 CP - Frogs - Gully



Call Playback Survey Proforma

Project #: 4447

Observer: KJC + NEO

Date: 17/04/07

| | | |
|--|---|---|
| Location and timing GPS # 4 | | |
| MGA Zone: 56 apt 212 | Easting <input type="text" value="291496"/> | Northing <input type="text" value="6192579"/> |
| Start time (24 h): 21.30 | Finish time (24 h): 22.20 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Call Playback on fire rd b pointing South (upstream) into 6/6C intersection creek. | | |

| | |
|---|---|
| Survey Details | |
| Type of amplification? <u>Haier</u> | Duration of call playback (minutes)? <u>5</u> |
| Duration of listening (minutes)? <u>5</u> | |

| | |
|--|----------------|
| Weather at start of survey | |
| Cloud cover: <u>0/8</u> | Moon: <u>0</u> |
| Wind Direction and speed: <u>0</u> | Rain: <u>N</u> |
| Temperature (°C): <u>15.3°C 76%</u> | |
| Comments: Potential habitat for C. littlejohni. Easy access for field work at creek but water difficult to see, lot of fallen debris. Large pools + runs. dense vegetation on banks. Water level drops in last 10m and to stream. | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 = None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|----------------------------|--------------------|----------------------------|-------------------|----------------------------|----------------------|
| Observation types | | | | | |
| <input type="checkbox"/> O | Observed (sighted) | <input type="checkbox"/> R | Road kill | <input type="checkbox"/> T | Tracks, scratching |
| <input type="checkbox"/> W | Unheard call | <input type="checkbox"/> D | Dog kill | <input type="checkbox"/> Z | In raptor/owl pellet |
| <input type="checkbox"/> X | In scat | <input type="checkbox"/> C | Cat kill | <input type="checkbox"/> M | Miscellaneous |
| <input type="checkbox"/> T | Trapped or netted | <input type="checkbox"/> F | Fox kill | <input type="checkbox"/> N | Nest or roost |
| <input type="checkbox"/> H | Hair or feathers | <input type="checkbox"/> S | Shot | <input type="checkbox"/> Y | Bones or teeth |
| <input type="checkbox"/> A | Stranded/beached | <input type="checkbox"/> I | Fossil/sub-fossil | <input type="checkbox"/> N | Not located |

| | | | | | |
|-----------------------------|----------------------|-----------------------------|----------------|-----------------------------|---------------|
| Microhabitat Type | | | | | |
| <input type="checkbox"/> AC | Flying above canopy | <input type="checkbox"/> IB | In burrow | <input type="checkbox"/> OB | On beach sand |
| <input type="checkbox"/> BR | In/on bridge | <input type="checkbox"/> IC | In cave | <input type="checkbox"/> OL | On log |
| <input type="checkbox"/> BD | In building | <input type="checkbox"/> IG | In grass | <input type="checkbox"/> OR | On rock |
| <input type="checkbox"/> CK | Crevice in rock | <input type="checkbox"/> IH | In tree hollow | <input type="checkbox"/> OW | Over water |
| <input type="checkbox"/> CL | Crevice in log | <input type="checkbox"/> IL | In litter | <input type="checkbox"/> RD | On road |
| <input type="checkbox"/> DA | Farm/fire dam | <input type="checkbox"/> IR | In roads | <input type="checkbox"/> TK | On trunk |
| <input type="checkbox"/> DT | In dead tree (stag) | <input type="checkbox"/> IS | In soil | <input type="checkbox"/> UB | Under bark |
| <input type="checkbox"/> EW | Edge of water | <input type="checkbox"/> IT | In live tree | <input type="checkbox"/> UC | Upper canopy |
| <input type="checkbox"/> FC | In/on post or stump | <input type="checkbox"/> IW | In water | <input type="checkbox"/> UD | Undergrowth |
| <input type="checkbox"/> FL | Flying within canopy | <input type="checkbox"/> LC | Lower canopy | <input type="checkbox"/> UL | Under log |
| <input type="checkbox"/> GR | On ground | <input type="checkbox"/> LS | Low shrub | <input type="checkbox"/> UR | Under rock |
| <input type="checkbox"/> HS | High shrub | <input type="checkbox"/> MC | Mid canopy | <input type="checkbox"/> WH | Waterhole |

10 MAY 2007

ENTERED
23



Call Playback Survey Proforma

Frogs - gully

Project #: 4447

Observer: PVB & JC

Date: 21/4/07

Location and timing *Katie had way point*

| | | |
|--------------------------------|---------------------------------|-------------------------------|
| MGA Zone: <i>S6</i> | Easting <input type="text"/> | Northing <input type="text"/> |
| Start time (24 h): <i>1:00</i> | Finish time (24 h): <i>1:31</i> | |
| Map sheet Name: | Map sheet number: | LGA: |

Location description: *FROG CALL PLAYBACK*
At intersection creek at road crossing heading south into creek.

Survey Details

| | |
|---|---|
| Type of amplification? <i>LOUDHAILER</i> | Duration of call playback (minutes)? <i>3</i> |
| Duration of listening (minutes)? <i>3</i> | |

Weather at start of survey

| | |
|-------------------------------------|--|
| Cloud cover: <i>0/8</i> | Moon: <i>Moderate light, thin moon</i> |
| Wind direction and speed: <i>NW</i> | Rain: <i>Nil</i> |
| Temperature (°C): <i>9.0</i> | Humidity: <i>92%</i> |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| S : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | X : Fox kill | N : Nest or roost |
| H : Hair or feathers | S : Shot | B : Bones or teeth |
| A : Stranded/beached | F : Fossil/sub-fossil | N : Not located |

Microhabitat Type

| | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | EB : In burrow | OB : On beach sand |
| BB : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| EC : In/on post or stump | IW : In water | UG : Undergrowth |
| FC : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

10 MAY 2007

ENTERED
76

S232 CP - frogs - Rainforest



Call Playback Survey Proforma

| |
|---------------------|
| Project #: 4447 |
| Observer: KJC + NEO |
| Date: 18/04/07 |

| | | |
|--|---------------------------|------------------|
| Location and timing : S232 CP | | |
| MGA Zone: 56 GPS# 4 | Easting 1219109512 | Northing 6170603 |
| Start time (24 h): 17:50 | Finish time (24 h): 18:35 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Rainforest patch within Wongawilli creek CP directed downstream. | | |

| | |
|-------------------------------------|--|
| Survey Details | |
| Type of amplification? boost leader | Duration of call playback (minutes)? 5 |
| Duration of listening (minutes)? 5 | |

| | |
|----------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 14-3°C 12°C | |
| Comments: Running water at site. | |

Cloud cover: Record cover in eights of sky

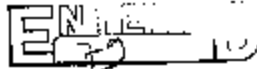
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------------|----------------------------|-------------------------------|
| Observation types | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | B Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | F Fossil/sub-fossil | N Not located |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat Type | | |
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD Or road |
| DA Farm/fire dam | IR In reeds | TK ON trunk |
| DT In dead tree (stag) | IS In soil | UD Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

10 MAY 2007



S269 CP - Frogs - Rainforest
(Rep 2)
- but different site



Call Playback Survey Proforma

| |
|---------------------|
| Project #: 4447 |
| Observer: KIC + NGO |
| Date: 20/04/07 |

| | | |
|--------------------------|---------------------------|-------------------|
| Location and timing: 269 | | |
| MGA Zone: | Easting: 291164 | Northing: 6191328 |
| Start time (24 h): 17-22 | Finish time (24 h): 17-51 | |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:
Wongawilli creek - southern end of rainforest.
CP set on western side of creek facing large pool

| | |
|------------------------------------|--|
| Survey Details | |
| Type of amplification? loud hailer | Duration of call playback (minutes)? 5 |
| Duration of listening (minutes)? 5 | |

| | |
|-----------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): mild | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------|----------------------|-------------------------|
| Observation types: | | |
| O: Observed (sighted) | R: Road kill | P: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | E: Nest or roost |
| H: Hair or feathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | F: Fossil/sub-fossil | N: Not located |

| | | |
|--------------------------|--------------------|-------------------|
| Microhabitat Type: | | |
| AG: Flying above canopy | IB: In burrow | OB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| DA: Dam/fire dam | IR: In reeds | TK: ON trunk |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| FC: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |

ENTERED
22

09 MAY 2007



BIOSIS

Call Playback Survey
Proforma

Nocturnal Bush Stone-curlew
Call-playback.

Project #: 4447
Observer: RVB + JC
Date: 23.4.07

Location and timing

MGA Zone: S73
Easting: 290618
Northing: 6196705

Start time (24 h): 18:29
Finish time (24 h): 18:49

Map sheet Name: _____
Map sheet number: _____
LGA: _____

Location description:
Fire Rd 6 approx. mid-way between Donald's Castle Creek crossing and Wongawilli Ct crossing. Facing east. Gully.

Survey Details

Type of amplification? Loud hailer
Duration of call playback (minutes)? 30secs
Duration of listening (minutes)? 4-5mins
Initial 5 min listening period.

Weather at start of survey

Cloud cover: 5/8
Wind Direction and speed: still
Temperature (°C): 12.2
Moon: Half (but behind clouds sometimes)
Rain: None
Humidity: 90%

Comments:

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 = None, 1 = 1/2 Moon, 2 = 1/2 Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| F | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | E | Nest or roost |
| Y | Bones or teeth | N | Not located |

| Microhabitat Type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | BB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | OR | On rock |
| OL | On log | OW | Over water |
| OT | On tree | RD | On road |
| OT | On trunk | TK | On trunk |
| UB | Under bark | UR | Under rock |
| UC | Upper canopy | WH | Waterhole |
| UG | Undergrowth | | |
| UL | Under log | | |

ENTERED 21 09 MAY 2007



BIOSIS

Call Playback Survey Proforma

Nocturnal

Project #: 4447

Observer: JC & RVS

Date: 23/4/07

BUSIF STONE CURLEW CALL PLAYBACK

| | | |
|---|---------------------------|------------------|
| Location and timing | | |
| MGA Zone: SC | S72 Fasting 287693 | Northing 6194757 |
| Start time (24 h): 17:47 | Finish time (24 h): 18:11 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: just Fire Rd 6A south of 6/6A intersection. Facing west. (site is 3.5 km from second site). Ridge | | |

| | |
|---|---|
| Survey Details | |
| Type of amplification? Loud hailer | Initial Sain listen period: |
| Duration of listening (minutes)? 4-5 mins | Duration of call playback (minutes)? 30 secs. |

| | |
|--|-------------------------------------|
| Weather at start of survey: | |
| Cloud cover: 8/8 | Moon: Half (but covered by clouds). |
| Wind direction and speed: Still - breeze (S) | Rain: Sprinkling. |
| Temperature (°C): 13-3 | Humidity: 89% |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 = None, 1 = 1/8 Moon, 2 = 2/8 Moon, 3 = 3/8 Moon, 4 = 4/8 Moon, 5 = 5/8 Moon, 6 = 6/8 Moon, 7 = 7/8 Moon, 8 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | T | Tracks, scratching |
| H | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | F | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

HERP + KOALA-SHALE W/LAND 2 - 110 - DIVISION 1115 - Koala Search - Ridge



Herpetofauna Survey Proforma

Project #: 4467
 Observer: MV RMM
 Date: 19/4/07

BIOHERP 11 MAY 2007

| Location and timing | Start | Finish |
|---------------------------------|-------------------|-------------------|
| AMG Zone: | Easting 287666 | Easting □□□□□□ |
| CRPT 115 | Northing 62194899 | Northing □□□□□□ |
| | Time (24 h): 1400 | Time (24 h): 1415 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: SEE BELOW | | |

| Survey Details | |
|-----------------------------|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0-5 |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|---|---------|
| Cloud cover: 7/8 | Moon: - |
| Wind Direction and speed: - | Rain: - |
| Temperature (°C): 24° | |
| Comments: HERP SEARCH & KOALA SEARCH IN SHALE W/LAND AT INTERSECTION OF RD'S 6 & 6A | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | T | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Burnt |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | BB | In burrow | OB | On beach sand |
| BB | In/on bridge | CC | In cave | OE | On log |
| BU | In building | CC | In grass | OR | On rock |
| CK | Crevice in rock | CH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | OD | On road |
| DS | Farm/fire dam | IR | In reeds | OT | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UD | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FP | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

NIL recorded

Koala Search.



Herpetofauna Survey Proforma

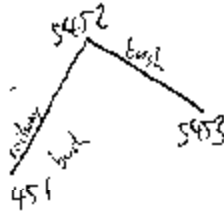
BIOSIS

Koala Search - Ridge site.

Project #: 4447

Observer: JC + RMM

Date: 12.5.07



| Location and timing | Start S451 | FINISH MID S452 | FINISH |
|--|-------------------------|--------------------|----------------|
| MGA Zone: GPS 6 | Easting 287708 | Easting 287655 | S453 287716 |
| | Northing 6194422 | Northing 6194493 | 5194542 |
| | Time (24 h): 11:39 | Time (24 h): 12:04 | |
| Map sheet Name: _____ | Map sheet number: _____ | T.G.A: _____ | |
| Location description: Intersection b/w railway and 6A near DCSA. in Koolaveg section. | | | |

| Survey Details | |
|------------------------------------|--------------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 50 mins |
| Number of hectares covered? ≈ 140m | Person analysing calls? |

| Weather at start of survey | |
|-----------------------------|---------|
| Cloud cover: 0/8 | Moon: - |
| Wind Direction and speed: 1 | Rain: - |
| Temperature (°C): Warm | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

| Microhabitat Type | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Dam/fire dam | IR In reeds | TR ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |



#4447 Incidental Sightings Data Sheet

MCA Zone: 56

SURVEYORS: J.C. + R.V.B. 16-4-07 - 25-4-07

CONTACT NUMBER: (02) 9690 2777 09 MAY 2007

| Date | Time | Obs type | Species | No. | Location/ Site | Timing | Notes |
|---------|-------|----------|---|-----|----------------|---|------------------------------|
| 17-4-07 | 20:00 | H | Sugar Glider | 1 | Gully | ±100m north of 'CREEK' | Good creekline but no water. |
| " | 20:15 | H | " | ≈ 3 | " | Luke's track | |
| 18-4-07 | 21:40 | O | Wombat | 1 | Ridge | Fire road 6A (near 6/6A intersection) | |
| " | 23:20 | O | Tawny Frogmouth | 1 | " | Luke's Track | |
| 19-4-07 | 00:50 | O | Wombat | 1 | Ridge | Fire Road 6C | |
| " | 21:50 | O | " | 1 | " | " " 6 | |
| " | 22:00 | O | " | 1 | " | " " 6C | |
| 22/4/07 | 23:20 | H | Giant Burrowing Frog | 1 | Gully | 289700 | SSE of GPS point 2-3-07 |
| " | 23:35 | H | Giant Burrowing Frog | 1 | Ridge | 2897870 | S-W of GPS point 2-3-07 |
| | | | Note we are developing area sloping down to Ronald's Castle Creek | | | Note KTC & RM reported downpour @ midday | |
| 23/4/07 | 16:45 | H | White-naped Honeyeater | 1 | Ridge | Field 6 at Bush store-cum-recess call-playback site | |

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11

Trip 2: 7-5-07 to 18/5/07

continued 19/6
TAR

#4447 Incidental Sightings Data Sheet

MCA Zone:

CONTACT NUMBER:

SURVEYORS: J.C., R.M.M.

| Date | Time | Obs. Type | Species | No. | Location Site | Use | Nothing | Notes |
|---------|--------------|-----------|------------------------|-----|--|-----|-----------------|---------------------|
| 8-5-07 | Morning | O | Swamp Warbler | 1 | Crossing Fire Rd 6 (between Wanganville Crk and X04) | | Wanganville Crk | |
| 9-5-07 | " | H | Brown-headed HE | 1 | Wanganville Creek (down from X04) | | | |
| 10-5-07 | " | OH | Red-browed Treecreeper | 2 | Donald's Castle Tilt | | | |
| 9-5-07 | Afternoon | H | Pallid Cuckoo | 2 | 6C Swamp and Luke's Track | | | |
| 10-5-07 | Morning | OH | Eastern Yellow Robin | 1 | Wanganville Creek (down from X04) | | | |
| " | " | " | Crimson Parula | 1 | " | | | |
| " | " | " | Grey Fantail | 2 | " | | | |
| " | " | " | New Holland HE | 2 | " | | | |
| " | " | H | Red-browed Treecreeper | 1 | " | | | |
| 12-5-07 | " | OH | Spotted Quail-Thrush | 4 | Fire Rd 6A near X10 | | 2 ♀ and 2 ♂ | |
| " | Afternoon | O | White's Shearwater | 1 | on rocky ridge b/w Luke's Track and cage | | | trapped |
| 13-5-07 | Morning | OH | Gang-gang Cockatoo | 6 | Wanganville Creek down from X04, above | | | cage trap 12. |
| " | " | H | Audubon's Raven | 1 | X04 | | | |
| " | " | H | White-eared Honeyeater | 2 | Trap location in SW corner of study area (544) | | | |
| " | " | H | Belted Kingfisher | 4 | " | | | |
| 14-5-07 | Late Morning | O | Southern Yellow Robin | 1 | Luke's track near trap site | | | |
| " | " | H | Sooty Woodswallow | 1 | FLZ | | | |
| " | Morning | H | Brown Cuckoo Dove | 1 | Sandy Creek 19/6 B | | | |
| 15-5-07 | " | H | Glossy Black-cockatoo | 5 | Wanganville Creek from X04, approx 80m | | | upstream of Cage 7. |
| 16-5-07 | Night | O | Common Warbler | 1 | Fire Road 6/6A intersection | | | |
| " | " | " | " | 1 | on 6C at Logbridge creek | | | |
| 17-5-07 | Morning | H | Sacred Kingfisher | 1 | Near cages 16 & 17 SW corner of study area | | | |
| " | " | H | Noisy Friarbird | 1 | Near X04 | | | |
| " | 11:00 | OH | Glossy Black-cockatoo | 15 | To woodland opposite to DCT | | | Beautiful! |

26 JUL 2007

ENTERED

Faving 241



Habitat condition assessment

Gully

| |
|--------------------|
| Project #: 4447 |
| Observer: JC + RUB |
| Date: 20-407 |

| |
|---|
| Location: S48 GPS3 |
| MGA Zone: Easting 288323 Northing 6192571 |
| Map sheet Name: Map sheet number: I.G.A: |

Location description:
Gully NW of swamp 11. SCAT1 collected here.

Approximate size of area (ha):

| |
|--|
| Vegetation structure: <u>Some heath</u> |
| <input checked="" type="checkbox"/> Forest <u>Open</u> <input type="checkbox"/> Woodland |
| <input type="checkbox"/> Scattered Trees <input type="checkbox"/> Shrubland |
| <input type="checkbox"/> Grassland <input type="checkbox"/> Planting |
| <input type="checkbox"/> Wetland <input type="checkbox"/> No native vegetation remaining |
| Dominant tree species: <u>Euc. resinosa, Corimbia gunnifera.</u> |
| Dominant shrub species: <u>Banksia serrata, B. spinulosa, Acacia linifolia</u> |
| Dominant ground cover: <u>Aleridium excelsentum.</u> |
| Introduced Species present: <u>Nil</u> |
| Mapped vegetation community (source): |

| Vegetation health | 0 | 1 | 2 | 3 |
|---------------------------|---|---|--|---|
| Vegetation condition | <input type="checkbox"/> No native vegetation | <input type="checkbox"/> degraded | <input type="checkbox"/> modified | <input checked="" type="checkbox"/> near natural |
| Tree Age and Regeneration | <input type="checkbox"/> trees cleared | <input type="checkbox"/> mature trees only | <input type="checkbox"/> slight regeneration | <input checked="" type="checkbox"/> all ages extensive regeneration |
| Understorey | <input type="checkbox"/> understorey removed | <input type="checkbox"/> scattered shrubs | <input type="checkbox"/> clumps regenerating | <input checked="" type="checkbox"/> shrub layer (intact) naturally no understorey |
| Introduced species | <input type="checkbox"/> dominant | <input type="checkbox"/> scattered throughout | <input type="checkbox"/> isolated clumps | <input checked="" type="checkbox"/> few or none |

| Fauna Habitat | 0 | 1 | 2 |
|--------------------|------------------------------|--|--|
| Trees with hollows | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common <u>great hollows.</u> |
| Leaf litter | <input type="checkbox"/> nil | <input type="checkbox"/> some | <input checked="" type="checkbox"/> common |
| Logs/ground cover | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Rocks/crevices | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Water bodies | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good <u>nearby.</u> |
| Feeding resources | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Linkages | <input type="checkbox"/> nil | <input type="checkbox"/> less than 100 m | <input checked="" type="checkbox"/> directly linked |

| Koala habitat trees | | | | |
|---------------------------------|---------------------------|-------------------------------|-------------------------------|-------------------------------|
| <i>Eucalyptus tereticornis</i> | Forest red gum | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus microcorys</i> | Tallowwood | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus punctata</i> | Grey Gum | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus viminalis</i> | Ribbon/manna gum | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus camaldulensis</i> | River red gum | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus haemastoma</i> | Broad leaved scribbly gum | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus signata</i> | Scribbly gum | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus albens</i> | White box | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus populnea</i> | Bimble box | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus robusta</i> | Swamp mahogany | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |

| Adjacent land: | | |
|---|--|--|
| <input type="checkbox"/> cleared | <input type="checkbox"/> residential | <input type="checkbox"/> scattered trees |
| <input checked="" type="checkbox"/> uncleared | <input type="checkbox"/> riparian vegetation | <input checked="" type="checkbox"/> Upland Swamp |
| <input type="checkbox"/> Other (describe) | | |

| Disturbances | | C = Continuous, S = Scattered, I = Isolated |
|---|---|---|
| <input type="checkbox"/> Grazing | <input type="checkbox"/> Powerlines | |
| <input checked="" type="checkbox"/> Roads dirt track leads to it. | <input type="checkbox"/> Erosion | |
| <input type="checkbox"/> Logging | <input type="checkbox"/> Firewood removal | |
| Other (describe) | | |

| Animals observed in area |
|-----------------------------|
| <i>Crinia signifera</i> (H) |
| Aust. King Parrot (H) |
| New Holland HE (H) |
| Eastern Spinebill (H) |
| Pied Curlewong (H) |
| |
| |
| |
| |

General Habitat Description and comments

Lots of various sized tree hollows. Lots of hollow, fallen logs.

Lots of rocky areas - platforms, crevices, loose roots, upside caverns.

Lots of ground cover - shrubs, leaf litter, timber.

Stream nearby (down from Swamp II) where *C. littlejohni* recorded.

Potential habitat for Red-crowned Toadlet, Littlejohn. (call-playback done for these 2 species - diurnally - no response).

Upland swamp adjacent. Lake from downslope. A few gullies around. Mini ridges. Almost north-facing, maybe Brush-tailed Rock-wallaby potential habitat. Crevices west-facing - Broad-headed Snake potential habitat.

S243

Cavity
-woodpecker
Creek



Habitat condition assessment

| |
|----------------------------|
| Project #: 4447 |
| Observer: KJC + NFO |
| Date: 19/04/07 |

| | | |
|-----------------------------------|--------------------------|--------------------------|
| Location: Wpt = 243 | | |
| MGA Zone: 56 GPS #: | Easting: 290722 | Northing: 6194078 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:

Wongahilly creek-middle section, 190m E of x04.
Cavity habitat

Approximate size of area (ha):

| |
|--|
| Vegetation structure: |
| <input type="checkbox"/> Forest <input checked="" type="checkbox"/> Woodland |
| <input type="checkbox"/> Scattered Trees <input type="checkbox"/> Shrubland |
| <input type="checkbox"/> Grassland <input type="checkbox"/> Planting |
| <input type="checkbox"/> Wetland <input type="checkbox"/> No native vegetation remaining |
| Dominant tree species: |
| Dominant shrub species: |
| Dominant ground cover: |
| Introduced Species present: |
| Mapped vegetation community (source): |

| Vegetation health | 0 | 1 | 2 | 3 |
|----------------------------------|---|---|--|--|
| Vegetation condition | <input type="checkbox"/> No native vegetation | <input type="checkbox"/> degraded | <input type="checkbox"/> modified | <input checked="" type="checkbox"/> near natural |
| Tree Age and Regeneration | <input type="checkbox"/> trees cleared | <input type="checkbox"/> mature trees only | <input type="checkbox"/> slight regeneration | <input checked="" type="checkbox"/> all ages - extensive regeneration |
| Understorey | <input type="checkbox"/> understorey removed | <input type="checkbox"/> scattered shrubs | <input type="checkbox"/> clumps regenerating | <input checked="" type="checkbox"/> shrub layer intact/ naturally no understorey |
| Introduced species | <input type="checkbox"/> dominant | <input type="checkbox"/> scattered throughout | <input type="checkbox"/> isolated clumps | <input checked="" type="checkbox"/> low or none |

| Fauna Habitat | 0 | 1 | 2 |
|---------------------------|------------------------------|--|---|
| Trees with hollows | <input type="checkbox"/> nil | <input checked="" type="checkbox"/> few | <input type="checkbox"/> common |
| Leaf litter | <input type="checkbox"/> nil | <input type="checkbox"/> some | <input checked="" type="checkbox"/> common |
| Logs/ground cover | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Rocks/crevices | <input type="checkbox"/> nil | <input checked="" type="checkbox"/> few | <input type="checkbox"/> common |
| Water bodies | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Feeding resources | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Linkages | <input type="checkbox"/> nil | <input type="checkbox"/> less than 100 m | <input checked="" type="checkbox"/> directly linked |

large v/o approx 100m to south.

27 JUL 2007

ENTERED
Hana 238



Habitat condition assessment

Project #: 4447
 Observer: RVB + JC
 Date: 18.4.07

Location: S25 GPS3
 MGA Zone: Easting 288037 Northing 6192456
 Map sheet Name: Map sheet number: LGA:
 Location description: Lake Avon, bottom of swamp 11. - Gully.
 Approximate size of area (ha):

Vegetation structure: Cleared sandy banks with shrubs + stumps
 Forest Woodland
 Scattered trees Shrubland
 Grassland Planting
 Wetland No native vegetation remaining
 Dominant tree species: None
 Dominant shrub species: *Leptomeria acida*, rushes, *Acacia linifolia*...
 Dominant ground cover: None
 Introduced Species present: None
 Mapped vegetation community (source):

| Vegetation health | 0 | 1 | 2 | 3 |
|---------------------------|---|---|--|--|
| Vegetation condition | <input type="checkbox"/> No native vegetation | <input type="checkbox"/> degraded | <input checked="" type="checkbox"/> modified | <input type="checkbox"/> near natural |
| Tree Age and Regeneration | <input checked="" type="checkbox"/> trees cleared | <input type="checkbox"/> mature trees only | <input type="checkbox"/> slight regeneration | <input type="checkbox"/> all ages - extensive regeneration |
| Understorey | <input checked="" type="checkbox"/> understorey removed | <input type="checkbox"/> scattered shrubs | <input type="checkbox"/> clumps regenerating | <input type="checkbox"/> shrub layer intact/naturally no understorey |
| Introduced species | <input type="checkbox"/> dominant | <input type="checkbox"/> scattered throughout | <input type="checkbox"/> isolated clumps | <input checked="" type="checkbox"/> few or none |

| Bona Habitat | 0 | 1 | 2 |
|--------------------|---|---|---|
| Trees with hollows | <input type="checkbox"/> nil | <input checked="" type="checkbox"/> few (up on ridge) | <input type="checkbox"/> common |
| Leaf litter | <input checked="" type="checkbox"/> nil | <input type="checkbox"/> some | <input type="checkbox"/> common |
| Logs/ground cover | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Rocks/crevices | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Water bodies | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Feeding resources | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good (but includes ridge species) |
| Linkages | <input type="checkbox"/> nil | <input type="checkbox"/> less than 100 m | <input checked="" type="checkbox"/> directly linked |

↙ No trees on lake bank.

| Koala habitat trees | | | | |
|---------------------------------|---------------------------|--|-------------------------------|-------------------------------|
| <i>Eucalyptus tereticornis</i> | Forest red gum | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus microcorys</i> | Tallowwood | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus punctata</i> | Grey Gum | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus viminalis</i> | Ribbion/manna gum | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus camaldulensis</i> | River red gum | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus haemastoma</i> | Broad leaved scribbly gum | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus signata</i> | Scribbly gum | <input checked="" type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus albens</i> | White box | <input checked="" type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus populnea</i> | Binnle box | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus robusta</i> | Swamp mahogany | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |

| Adjacent land | | |
|---|--|---|
| <input type="checkbox"/> cleared | <input type="checkbox"/> residential | <input checked="" type="checkbox"/> scattered trees |
| <input checked="" type="checkbox"/> uncleared | <input type="checkbox"/> riparian vegetation | |
| <input checked="" type="checkbox"/> Other (describe) <u>lake bank</u> | | |

| Disturbances | | C = Continuous, S = Scattered, I = Isolated |
|---|---|---|
| <input type="checkbox"/> Grazing | <input type="checkbox"/> Powerlines | |
| <input type="checkbox"/> Roads | <input type="checkbox"/> Erosion | |
| <input checked="" type="checkbox"/> Logging | <input type="checkbox"/> Firewood removal | |
| Other (describe): _____ | | |

| Animals observed in area |
|--------------------------------------|
| <i>Crius signatus</i> (H) X several. |
| White-striped Freetail Bat (H). |
| Fox tracks (0). |
| Wallaby tracks (0) |
| |
| |
| |
| |
| |

| General Habitat Description and comments |
|---|
| Beautiful at sunset! |
| Banks cleared mostly. Some small shrubs. Scattered timber and stumps. Banks mostly sand up to 15m from lake edge, then boulders and rocky ridge. Trees on top of ridge, some with hollows. Tributary flows into Lake (surveyed for frogs 523 - 524) Below Swamp II. |
| |
| |
| |
| |



GULLY
Habitat condition
assessment

Project #: 4
Observer: MV
Date: 19/4/07

WP=110

Location: _____
MGA Zone: _____ Easting 0290048 Northing 6193406
Map sheet Name: _____ Map sheet number: _____ LGA: _____
Location description: LUXES CR CROSSING
Approximate size of area (ha): 2 ha

Vegetation structure

| | |
|--|---|
| <input type="checkbox"/> Forest | <input checked="" type="checkbox"/> Woodland |
| <input type="checkbox"/> Scattered Trees | <input type="checkbox"/> Shrubland |
| <input type="checkbox"/> Grassland | <input type="checkbox"/> Planting |
| <input type="checkbox"/> Wetland | <input type="checkbox"/> No native vegetation remaining |

Dominant tree species: EUCALYPT
Dominant shrub species: ACACIA
Dominant ground cover: FERNS
Introduced Species present: _____
Mapped vegetation community (source): _____

| Vegetation Health | 0 | 1 | 2 | 3 |
|---------------------------|---|---|--|---|
| Vegetation condition | <input type="checkbox"/> No native vegetation | <input type="checkbox"/> degraded | <input type="checkbox"/> modified | <input checked="" type="checkbox"/> near natural |
| Tree Age and Regeneration | <input type="checkbox"/> trees cleared | <input type="checkbox"/> mature trees only | <input type="checkbox"/> slight regeneration | <input checked="" type="checkbox"/> all ages - extensive regeneration |
| Understorey | <input type="checkbox"/> understorey removed | <input type="checkbox"/> scattered shrubs | <input type="checkbox"/> clumps regenerating | <input checked="" type="checkbox"/> shrub layer intact/naturally no understorey |
| Introduced species | <input type="checkbox"/> dominant | <input type="checkbox"/> scattered throughout | <input type="checkbox"/> isolated clumps | <input checked="" type="checkbox"/> few or none |

| Fauna Habitat | 0 | 1 | 2 |
|--------------------|------------------------------|--|---|
| Trees with hollows | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Leaf litter | <input type="checkbox"/> nil | <input type="checkbox"/> some | <input checked="" type="checkbox"/> common |
| Logs/ground cover | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Rocks/crevices | <input type="checkbox"/> nil | <input checked="" type="checkbox"/> few | <input type="checkbox"/> common |
| Water bodies | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Feeding resources | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Linkages | <input type="checkbox"/> nil | <input type="checkbox"/> less than 100 m | <input checked="" type="checkbox"/> directly linked |



GULLY
Habitat condition
assessment

| | |
|------------|---------|
| Project #: | 4147 |
| Observer: | MV |
| Date: | 19/4/07 |

WP: 109

| | | |
|--|-------------------|------------------|
| Location | | |
| MGA Zone: | Easting 289907 | Northing 6192981 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: TK OFF LUKES TK | | |
| Approximate size of area (ha): 2ha | | |

| | |
|--|---|
| Vegetation structure | |
| <input type="checkbox"/> Forest | <input checked="" type="checkbox"/> Woodland |
| <input type="checkbox"/> Scattered Trees | <input type="checkbox"/> Shrubland |
| <input type="checkbox"/> Grassland | <input type="checkbox"/> Planting |
| <input type="checkbox"/> Wetland | <input type="checkbox"/> No native vegetation remaining |
| Dominant tree species: EUCALYPT | |
| Dominant shrub species: BANKSIA CAUSIMBANA | |
| Dominant ground cover: FERNS | |
| Introduced Species present: -- | |
| Mapped vegetation community (source): | |

| Vegetation health | 0 | 1 | 2 | 3 |
|---------------------------|---|---|--|--|
| Vegetation condition | <input type="checkbox"/> No native vegetation | <input type="checkbox"/> degraded | <input type="checkbox"/> modified | <input checked="" type="checkbox"/> near natural |
| Tree Age and Regeneration | <input type="checkbox"/> trees cleared | <input checked="" type="checkbox"/> mature trees only | <input type="checkbox"/> slight regeneration | <input type="checkbox"/> all ages - extensive regeneration |
| Understorey | <input type="checkbox"/> understorey removed | <input checked="" type="checkbox"/> scattered shrubs | <input type="checkbox"/> clumps regenerating | <input type="checkbox"/> shrub layer intact/naturally no understorey |
| Introduced species | <input type="checkbox"/> dominant | <input type="checkbox"/> scattered throughout | <input type="checkbox"/> isolated clumps | <input checked="" type="checkbox"/> few or none |

| Fauna Habitat | 0 | 1 | 2 |
|--------------------|------------------------------|--|---|
| Trees with hollows | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Leaf litter | <input type="checkbox"/> nil | <input type="checkbox"/> some | <input checked="" type="checkbox"/> common |
| Logs/ground cover | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Rocks/crevices | <input type="checkbox"/> nil | <input checked="" type="checkbox"/> few | <input type="checkbox"/> common |
| Water bodies | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Feeding resources | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Linkages | <input type="checkbox"/> nil | <input type="checkbox"/> less than 100 m | <input checked="" type="checkbox"/> directly linked |



Habitat condition assessment

Project #: 444-7
 Observer: MURPHY
 Date: 20/4/07

Location: _____
 MGA Zone: WP119 Easting: _____ Northing: _____
 Map sheet Name: _____ Map sheet number: _____ LGA: _____
 Location description:
WONGAMULLY CK

Approximate size of area (ha):
2 ha

Vegetation structure

| | |
|--|---|
| <input type="checkbox"/> Forest | <input checked="" type="checkbox"/> Woodland |
| <input type="checkbox"/> Scattered Trees | <input type="checkbox"/> Shrubland |
| <input type="checkbox"/> Grassland | <input type="checkbox"/> Planting |
| <input type="checkbox"/> Wetland | <input type="checkbox"/> No native vegetation remaining |

Dominant tree species: EUCALYPT SP.
 Dominant shrub species: CALLISTEMON BANKSIA CASUARINA
 Dominant ground cover: FERNS
 Introduced Species present: _____
 Mapped vegetation community (source): _____

| Vegetation health | 0 | 1 | 2 | 3 |
|---------------------------|---|---|--|---|
| Vegetation condition | <input type="checkbox"/> No native vegetation | <input type="checkbox"/> degraded | <input type="checkbox"/> modified | <input checked="" type="checkbox"/> near natural |
| Tree Age and Regeneration | <input type="checkbox"/> trees cleared | <input type="checkbox"/> mature trees only | <input type="checkbox"/> slight regeneration | <input checked="" type="checkbox"/> all ages - extensive regeneration |
| Understorey | <input type="checkbox"/> understorey removed | <input type="checkbox"/> scattered shrubs | <input type="checkbox"/> clumps regenerating | <input checked="" type="checkbox"/> shrub layer intact/naturally no understorey |
| Introduced species | <input type="checkbox"/> dominant | <input type="checkbox"/> scattered throughout | <input type="checkbox"/> isolated clumps | <input checked="" type="checkbox"/> few or none |

| Habitat | 0 | 1 | 2 |
|--------------------|------------------------------|--|---|
| Trees with hollows | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Leaf litter | <input type="checkbox"/> nil | <input type="checkbox"/> some | <input checked="" type="checkbox"/> common |
| Logs/ground cover | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Rocks/crevices | <input type="checkbox"/> nil | <input checked="" type="checkbox"/> few | <input type="checkbox"/> common |
| Water bodies | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Feeding resources | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Linkages | <input type="checkbox"/> nil | <input type="checkbox"/> less than 100 m | <input checked="" type="checkbox"/> directly linked |

20 JUN 2007

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 FOUND 251



Habitat condition assessment

P08

Project #: 4447
 Observer: MV
 Date: 20/4/07

Location: _____
 MGA Zone: _____
 Casting: _____ Northing: _____
 Map sheet Name: _____ Map sheet number: _____ LGA: _____
 Location description:
 WONGAWILLY CK

Approximate size of area (ha):
 2 ha

Vegetation structure

| | |
|--|---|
| <input type="checkbox"/> Forest | <input checked="" type="checkbox"/> Woodland |
| <input type="checkbox"/> Scattered Trees | <input type="checkbox"/> Shrubland |
| <input type="checkbox"/> Grassland | <input type="checkbox"/> Planting |
| <input type="checkbox"/> Wetland | <input type="checkbox"/> No native vegetation remaining |

Dominant tree species: EUCALYPT SP.
 Dominant shrub species: BANKSIA CASUARINA
 Dominant ground cover: FERN
 Introduced Species present: _____
 Mapped vegetation community (source): _____

| Vegetation health | 0 | 1 | 2 | 3 |
|---------------------------|---|---|--|--|
| Vegetation condition | <input type="checkbox"/> No native vegetation | <input type="checkbox"/> degraded | <input type="checkbox"/> modified | <input checked="" type="checkbox"/> near natural |
| Tree Age and Regeneration | <input type="checkbox"/> trees cleared | <input type="checkbox"/> mature trees only | <input type="checkbox"/> slight regeneration | <input checked="" type="checkbox"/> all ages - extensive regeneration |
| Understorey | <input type="checkbox"/> understorey removed | <input type="checkbox"/> scattered stumps | <input type="checkbox"/> clumps regenerating | <input checked="" type="checkbox"/> shrub layer intact/ naturally no understorey |
| Introduced species | <input type="checkbox"/> dominant | <input type="checkbox"/> scattered throughout | <input type="checkbox"/> isolated clumps | <input checked="" type="checkbox"/> few or none |

| Fauna Habitat | 0 | 1 | 2 |
|--------------------|------------------------------|--|---|
| Trees with hollows | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Leaf litter | <input type="checkbox"/> nil | <input type="checkbox"/> some | <input checked="" type="checkbox"/> common |
| Logs/ground cover | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Rocks/crevices | <input type="checkbox"/> nil | <input checked="" type="checkbox"/> few | <input type="checkbox"/> common |
| Water bodies | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Feeding resources | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Linkages | <input type="checkbox"/> nil | <input type="checkbox"/> less than 100 m | <input checked="" type="checkbox"/> directly linked |

2007

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Fund 242

S162 - Habitat Assessment
Cully
(Wongawilli Ck)



Habitat condition assessment

Project #: 1267
Observer: P. M. J. KOC
Date: 21/4/07

Location

MGA Zone: Easting Northing

Map sheet Name: Map sheet number: LGA:

Location description:
off PO8 Wongawilli

Approximate size of area (ha):

Vegetation structure

Forest Woodland
 Scattered Trees Shrubland
 Grassland Planting
 Wetland No native vegetation remaining

Dominant tree species: Eucalyptus sp.
 Dominant shrub species: A
 Dominant ground cover: Bracken
 Introduced Species present:
 Mapped vegetation community (source):

| Vegetation health | 0 | 1 | 2 | 3 |
|---------------------------|---|---|--|---|
| Vegetation condition | <input type="checkbox"/> No native vegetation | <input type="checkbox"/> degraded | <input type="checkbox"/> modified | <input checked="" type="checkbox"/> near natural |
| Tree Age and Regeneration | <input type="checkbox"/> trees cleared | <input type="checkbox"/> mature trees only | <input type="checkbox"/> slight regeneration | <input checked="" type="checkbox"/> all ages - extensive regeneration |
| Understorey | <input type="checkbox"/> understorey removed | <input type="checkbox"/> scattered shrubs | <input type="checkbox"/> clumps regenerating | <input checked="" type="checkbox"/> shrub layer intact/naturally no understorey |
| Introduced species | <input type="checkbox"/> dominant | <input type="checkbox"/> scattered throughout | <input type="checkbox"/> isolated clumps | <input checked="" type="checkbox"/> few or none |

| Fauna Habitat | 0 | 1 | 2 |
|--------------------|------------------------------|--|---|
| Trees with hollows | <input type="checkbox"/> nil | <input checked="" type="checkbox"/> few | <input type="checkbox"/> common |
| Leaf litter | <input type="checkbox"/> nil | <input type="checkbox"/> some | <input checked="" type="checkbox"/> common |
| Logs/ground cover | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Rocks/crevices | <input type="checkbox"/> nil | <input checked="" type="checkbox"/> few | <input type="checkbox"/> common |
| Water bodies | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Feeding resources | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Linkages | <input type="checkbox"/> nil | <input type="checkbox"/> less than 100 m | <input checked="" type="checkbox"/> directly linked |

29 JUN 2007

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240

Nocturnal assessment - looking for suitable creekline to survey.



Habitat condition assessment

Project #: 4447
Observer: JC + RVB
Date: 17.4.07

'CREEK' to S16. Cully.

| | | |
|--|-------------------|------------------|
| Location: Start: 'CREEK' | | |
| MGA Zone: 56 | Easting 289559 | Northing 6192434 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Finish: 289770 / 6192915 (S16) Creekline running parallel to Lites track between 'CREEK' and (blw X05 and X03). | | |
| Approximate size of area (ha): | | |

| | |
|--|---|
| Vegetation structure | <input checked="" type="checkbox"/> Upland swamp |
| <input checked="" type="checkbox"/> Forest | <input checked="" type="checkbox"/> Woodland |
| <input type="checkbox"/> Scattered Trees | <input type="checkbox"/> Shrubland |
| <input type="checkbox"/> Grassland | <input type="checkbox"/> Planting |
| <input type="checkbox"/> Wetland | <input type="checkbox"/> No native vegetation remaining |
| Dominant tree species: | |
| Dominant shrub species: | |
| Dominant ground cover: | |
| Introduced Species present: | |
| Mapped vegetation community (source): | |

| Vegetation health | 0 | 1 | 2 | 3 |
|---------------------------|---|---|--|---|
| Vegetation condition | <input type="checkbox"/> No native vegetation | <input type="checkbox"/> degraded | <input type="checkbox"/> modified | <input checked="" type="checkbox"/> near natural |
| Tree Age and Regeneration | <input type="checkbox"/> trees cleared | <input type="checkbox"/> mature trees only | <input type="checkbox"/> slight regeneration | <input checked="" type="checkbox"/> all ages - extensive regeneration |
| Understorey | <input type="checkbox"/> understorey removed | <input type="checkbox"/> scattered shrubs | <input type="checkbox"/> clumps regenerating | <input checked="" type="checkbox"/> shrub layer <u>intact</u> naturally no understorey |
| Introduced species | <input type="checkbox"/> dominant | <input type="checkbox"/> scattered throughout | <input type="checkbox"/> isolated clumps | <input checked="" type="checkbox"/> few or none |

| Wanna Habitat | 0 | 1 | 2 |
|--------------------|------------------------------|---|---|
| Trees with hollows | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Leaf litter | <input type="checkbox"/> nil | <input type="checkbox"/> some | <input checked="" type="checkbox"/> common |
| Logs/ground cover | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Rocks/crevices | <input type="checkbox"/> nil | <input checked="" type="checkbox"/> few | <input type="checkbox"/> common |
| Water bodies | <input type="checkbox"/> nil | <input checked="" type="checkbox"/> poor no water | <input type="checkbox"/> good |
| Feeding resources | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Linkages | <input type="checkbox"/> nil | <input type="checkbox"/> less than 100 m | <input checked="" type="checkbox"/> directly linked |

PTO →



RIDGE
Habitat condition
assessment

Project #: 4447
Observer: 17V
Date: 19/4/07

X04

| | |
|---|--|
| Location | |
| MGA Zone: | Easting <u>6290552</u> Northing <u>6194070</u> |
| Map sheet Name: | Map sheet number: LGA: |
| Location description: | |
| Approximate size of area (ha): <u>2 ha</u> | |

| | |
|--|---|
| Vegetation structure | |
| <input type="checkbox"/> Forest | <input checked="" type="checkbox"/> Woodland |
| <input type="checkbox"/> Scattered Trees | <input type="checkbox"/> Shrubland |
| <input type="checkbox"/> Grassland | <input type="checkbox"/> Planting |
| <input type="checkbox"/> Wetland | <input type="checkbox"/> No native vegetation remaining |
| Dominant tree species: <u>EUC⁵¹ MAINLY SCRIBBLY GUM</u> | |
| Dominant shrub species: <u>MELALEUCA SP.</u> | |
| Dominant ground cover: <u>? SEDGE FLERN</u> | |
| Introduced Species present: <u>—</u> | |
| Mapped vegetation community (source): <u>—</u> | |

| Vegetation health | 0 | 1 | 2 | 3 |
|---------------------------|---|---|--|--|
| Vegetation condition | <input type="checkbox"/> No native vegetation | <input type="checkbox"/> degraded | <input type="checkbox"/> modified | <input checked="" type="checkbox"/> near natural |
| Tree Age and Regeneration | <input type="checkbox"/> trees cleared | <input type="checkbox"/> mature trees only | <input type="checkbox"/> slight regeneration | <input checked="" type="checkbox"/> all ages - extensive regeneration |
| Understorey | <input type="checkbox"/> understorey removed | <input type="checkbox"/> scattered shrubs | <input type="checkbox"/> clumps regenerating | <input checked="" type="checkbox"/> shrub layer intact/ naturally no understorey |
| Introduced species | <input type="checkbox"/> dominant | <input type="checkbox"/> scattered throughout | <input type="checkbox"/> isolated clumps | <input checked="" type="checkbox"/> few or none |

| Fauna Habitat | 0 | 1 | 2 |
|--------------------|---|--|---|
| Trees with hollows | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Leaf litter | <input type="checkbox"/> nil | <input type="checkbox"/> some | <input checked="" type="checkbox"/> common |
| Logs/ground cover | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Rocks/crevices | <input checked="" type="checkbox"/> nil | <input checked="" type="checkbox"/> few | <input type="checkbox"/> common |
| Water bodies | <input checked="" type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Feeding resources | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Linkages | <input checked="" type="checkbox"/> nil | <input type="checkbox"/> less than 100 m | <input checked="" type="checkbox"/> directly linked |



Habitat condition assessment

Project #: 4447
 Observer: MV/RMM
 Date: 20/4/07

Location:

MGA Zone: MP 120 Easting: _____ Northing: _____
 Map sheet Name: _____ Map sheet number: _____ LGA: _____

Location description:
WEST OF WONGAMUNG CR ON ROCKY ESCARPMENT

Approximate size of area (ha): _____

Vegetation structure:

Forest Woodland
 Scattered Trees Shrubland
 Grassland Planting
 Wetland No native vegetation remaining

Dominant tree species: EUCALYPT SP.

Dominant shrub species: BANKSIA / MELALEUCA / HAKEA / FERN

Dominant ground cover: FERN

Introduced Species present: _____

Mapped vegetation community (source): _____

| Vegetation status | 0 | 1 | 2 | 3 |
|---------------------------|---|---|--|---|
| Vegetation condition | <input type="checkbox"/> No native vegetation | <input type="checkbox"/> degraded | <input type="checkbox"/> modified | <input checked="" type="checkbox"/> near natural |
| Tree Age and Regeneration | <input type="checkbox"/> trees cleared | <input type="checkbox"/> mature trees only | <input type="checkbox"/> slight regeneration | <input checked="" type="checkbox"/> all ages - extensive regeneration |
| Understorey | <input type="checkbox"/> understorey removed | <input type="checkbox"/> scattered shrubs | <input type="checkbox"/> clumps regenerating | <input checked="" type="checkbox"/> shrub layer intact/naturally no understorey |
| Introduced species | <input type="checkbox"/> dominant | <input type="checkbox"/> scattered throughout | <input type="checkbox"/> isolated clumps | <input checked="" type="checkbox"/> few or none |

| Ecological Habitat | 0 | 1 | 2 |
|--------------------|------------------------------|--|--|
| Trees with hollows | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Leaf litter | <input type="checkbox"/> nil | <input type="checkbox"/> some | <input checked="" type="checkbox"/> common |
| Logs/ground cover | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Rocks/rocks | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Water bodies | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good <u>NEARBY</u> |
| Feeding resources | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Linkages | <input type="checkbox"/> nil | <input type="checkbox"/> less than 100 m | <input checked="" type="checkbox"/> directly linked |

ENTERED
fauna 239



Habitat condition assessment

Rainforest

| |
|----------------------|
| Project #: 4447 |
| Observer: JC + R.M.N |
| Date: 14.5.07 |

| | |
|---|---------------------------------|
| Location: START: 5460 | FINISH: 5464 |
| MGA Zone: APS 4 | Easting 290955 Northing 6190608 |
| Map sheet Name: | Map sheet number: LGA: |
| Location description: Wongawilli Creek in rainforest section. | |
| Approximate size of area (ha): Approx. 400m from 5460 to 5464. | |

FINISH: 5464
291080/
6190980.

| | |
|--|---|
| Vegetation structure | |
| <input checked="" type="checkbox"/> Forest | <input type="checkbox"/> Woodland |
| <input type="checkbox"/> Scattered Trees | <input type="checkbox"/> Shrubland |
| <input type="checkbox"/> Grassland | <input type="checkbox"/> Planting |
| <input type="checkbox"/> Wetland | <input type="checkbox"/> No native vegetation remaining |
| Dominant tree species: | rainforest species. |
| Dominant shrub species: | |
| Dominant ground cover: | mass. Various ferns including Bracken Fern. |
| Introduced Species present: | None. |
| Mapped vegetation community (source): | |

| Vegetation health | 0 | 1 | 2 | 3 |
|---------------------------|---|---|--|---|
| Vegetation condition | <input type="checkbox"/> No native vegetation | <input type="checkbox"/> degraded | <input type="checkbox"/> modified | <input checked="" type="checkbox"/> near natural |
| Tree Age and Regeneration | <input type="checkbox"/> trees cleared | <input type="checkbox"/> mature trees only | <input type="checkbox"/> slight regeneration | <input checked="" type="checkbox"/> all ages - extensive regeneration |
| Understorey | <input type="checkbox"/> understorey removed | <input type="checkbox"/> scattered shrubs | <input type="checkbox"/> clumps regenerating | <input checked="" type="checkbox"/> shrub layer intact naturally no understorey |
| Introduced species | <input type="checkbox"/> dominant | <input type="checkbox"/> scattered throughout | <input type="checkbox"/> isolated clumps | <input checked="" type="checkbox"/> few or none |

| Fauna Habitat | 0 | 1 | 2 |
|--------------------|------------------------------|--|---|
| Trees with hollows | <input type="checkbox"/> nil | <input checked="" type="checkbox"/> few - some | <input type="checkbox"/> common |
| Leaf litter | <input type="checkbox"/> nil | <input type="checkbox"/> some | <input checked="" type="checkbox"/> common |
| Logs/ground cover | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Rocks/crevices | <input type="checkbox"/> nil | <input type="checkbox"/> few | <input checked="" type="checkbox"/> common |
| Water bodies | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Feeding resources | <input type="checkbox"/> nil | <input type="checkbox"/> poor | <input checked="" type="checkbox"/> good |
| Linkages | <input type="checkbox"/> nil | <input type="checkbox"/> less than 100 m | <input checked="" type="checkbox"/> directly linked |

| Koala habitat trees | | | | |
|-----------------------------------|---------------------------|-------------------------------|-------------------------------|-------------------------------|
| <i>Eucalyptus tereticornis</i> | Forest red gum | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus microcorys</i> | Tallow wood | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus punctata</i> | Grey Gum | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus viminalis</i> | Gibbon/manna gum | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus camaldulsiensis</i> | River red gum | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus huonensis</i> | Broad leaved scribbly gum | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus signata</i> | Scribbly gum | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus albens</i> | White box | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus populnea</i> | Bimble box | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |
| <i>Eucalyptus robusta</i> | Swamp mahogany | <input type="checkbox"/> None | <input type="checkbox"/> <15% | <input type="checkbox"/> >15% |

| Adjacent land | | |
|--|--|--|
| <input type="checkbox"/> cleared | <input type="checkbox"/> residential | <input type="checkbox"/> scattered trees |
| <input checked="" type="checkbox"/> uncleared | <input type="checkbox"/> riparian vegetation | |
| <input type="checkbox"/> Other (describe) tracks / fire roads (but quite far off). | | |

| Disturbances | |
|----------------------------------|---|
| <input type="checkbox"/> Grazing | <input type="checkbox"/> Powerlines |
| <input type="checkbox"/> Roads | <input type="checkbox"/> Erosion |
| <input type="checkbox"/> Logging | <input type="checkbox"/> Firewood removal |
| Other (describe) None | |

| Animals observed in area |
|---|
| See bird surveys 5460, 5462, 5464 |
| See herp survey 5463 |
| Incidentals: (in addition to bird surveys) White-necked Honeyeater. |
| Aust. King Parrot. |
| |
| |

| General Habitat Description and comments |
|---|
| Slow flowing, rocky stream. lots of pools, runs and riffles. |
| Various widths (e.g. \approx 6m - 2m wide). Some flat rock platforms. |
| lots of boulders and fallen logs. lots of leaf litter. |
| Some sandy banks. No emergent veg. Some fringing veg - ferns. |
| Definitely <i>Mixophyes</i> ^{potential} <i>halicti</i> . Not <i>Litoria taylori</i> habitat. |
| Probably not <i>Peltophrynus australis</i> habitat. see Maybe <i>PCT</i> habitat. |
| Creepline shaded in most parts but not all. |
| Fallen, hollow logs common but tree hollows not very common. |
| |

but not much



ENTERED Herp
136
Herpetofauna Survey
Proforma

Cully
5119 - Durnal Herp - Cully
Gibson

Project #: 4447
Observer: MV, RMM
Date: 20/4/07

11 MAY 2007 **BIOSIS**

| Location and timing | Start | Finish |
|--|--------------------|--------------------|
| AMG Zone: | Easting 290693 | Easting □□□□□□ |
| 119 | Northing 61194200 | Northing □□□□□□ |
| | Time (24 h): 10:20 | Time (24 h): 10:35 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: downstream of POE along with | | |

| Survey Details | |
|-----------------------------|------------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5hr |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|-------------------------------|---------|
| Cloud cover: 2/8 | Moon: 0 |
| Wind Direction and speed: S 2 | Rain: 0 |
| Temperature (°C): 20° | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | | |
|-----------------------------|----------------------------|-------------------------------|--|
| O Observed (sighted) | R Road kill | F Tracks, scratching | |
| W Heard call | D Dog kill | Z In raptor/owl pellet | |
| X In scat | C Cat kill | M Miscellaneous | |
| T Trapped or netted | Y Fox kill | E Nest or roost | |
| H Hair or feathers | S Shot | B Bones or teeth | |
| A Stranded/beached | I Indirect evidence | N Not located | |
| K Dead | P Scat | B Burnt | |

| Microhabitat Type | | | |
|--------------------------------|--------------------------|-------------------------|--|
| AC Flying above canopy | IB In burrow | OB On beach sand | |
| BR In/on bridge | IC In cave | OL On log | |
| BU In building | IG In grass | OR On rock | |
| CK Crevice in rock | IH In tree hollow | OW Over water | |
| CL Crevice in log | IL In litter | RD On road | |
| DA Farm/fire dam | IR In reeds | TK ON trunk | |
| DE In dead tree (stag) | IS In soil | UB Under bark | |
| EW Edge of water | IT In live tree | UC Upper canopy | |
| FC In/on post or stump | IW In water | UG Undergrowth | |
| FL Flying within canopy | LC Lower canopy | UL Under log | |
| GR On ground | LS Low shrub | UR Under rock | |
| HS High shrub | MC Mid canopy | WH Waterhole | |



Herpetofauna Survey Proforma

Replicate 2 - gully site

| | |
|------------|--------------|
| Project #: | 4447 |
| Observer: | JC, ES, AMM. |
| Date: | 10-5-07 |

| | | |
|--|--|--|
| Location and timing: | Start 5119 | Finish |
| MGA Zone: | Easting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Easting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | Time (24 h): 12:09 | Time (24 h): 12:19 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Wangawilli Creek approx. 100m downstream from P08. (access from 204). Both sides of creek. | | |

| | |
|------------------------------|-----|
| Survey Details | |
| Number of surveyors? | 3 |
| Total effort (person hours)? | 0.5 |
| Number of hectares covered? | |
| Person analysing calls? | |

| | |
|-----------------------------------|--------------|
| Weather at start of survey | |
| Cloud cover: | 4/8 |
| Moon: | — |
| Wind Direction and speed: | Light breeze |
| Rain: | — |
| Temperature (°C): | Mild |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes; 0= None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|--------------------------------|------------------------------|---------------------------------|
| Observation types | | |
| OK : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In seat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Microhabitat Type | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In roads | TK : On trunk |
| DL : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IU : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |



ENTERED
134

**Herpetofauna Survey
Proforma**
11 MAY 2007

S123 - Durnal Herp - Cully
Cully resp

Project #: 1147

Observer: M. Brown

Date: 25/4/07

| Location and timing | Start | Finish |
|--|----------------------|----------------------|
| AMG Zone: | Easting 291496 | Easting 300000 |
| WPT 123 | Northing 6097584 | Northing 6000000 |
| | Time (24 h): 9.30 am | Time (24 h): 9.45 am |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Look at intersection of road 6 and 6C | | |

| Survey Details | |
|-----------------------------|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|-----------------------------|---------|
| Cloud cover: 0 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: 0 |
| Temperature (°C): 20° | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 = 1/8 Moon, 2 = 1/4, 3 = 3/8, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-----------------------|----------------------|-------------------------|--|
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching | |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet | |
| X: In scat | C: Cat kill | M: Miscellaneous | |
| T: Trapped or netted | V: Fox kill | E: Nest or roost | |
| H: Hair or feathers | S: Shot | Y: Bones or teeth | |
| A: Stranded/beached | I: Indirect evidence | N: Not located | |
| K: Dead | P: Scat | B: Burnt | |

| Microhabitat Type | | |
|--------------------------|--------------------|-------------------|
| AC: Flying above canopy | IB: In burrow | OB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| FX: Farm/fire dam | IR: In reeds | TK: ON trunk |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| EC: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |



Herpetofauna Survey
Proforma *Diurnal gully*

Project #: 4447
Observer: KJC + PCG
Date: 15/5/07

| | | |
|--|--|--|
| Location and timing | S123 Start | Finish |
| AMG Zone: 56 | Fasting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Fasting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | Time (24 h): 1230 | Time (24 h): 1245 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: Intersection Creek on 6A | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? |

| | |
|--|-----------|
| Weather at start of survey | |
| Cloud cover: 1/8 | Moon: N/A |
| Wind Direction and speed: N(1) | Rain: Nil |
| Temperature (°C): 20°C | |
| Comments: A beautiful day, the sun is shining, the birds are singing and we have recovered from the awful breakfast at North Beach Cafe! | |

Cloud cover: Record cover in eighths of sky
Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2, 3=3/4, 4=Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0=calm, 1=light, leaves rustle, 2=moderate, branches move, 3=strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Observation types | | |
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Indirect evidence | N : Not located |
| K : Dead | P : Scat | B : Burnt |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Microhabitat Type | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CR : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GB : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

11 MAY 2007

ENTERED
122

S139 - Durnal Reptile - *Chilomeniscus*
Search



Herpetofauna Survey
Proforma

Project #: 4447
Observer: KJC + Kmm
Date: 22/04/07

| | | | |
|---|------|------------------------|--------------------|
| Location and timing | V139 | Start | Finish |
| MCA AMG Zone: 5b GPS 8 0197 139 | | Easting 2 9 2 3 5 5 | Lasting [] |
| | | Northing 6 1 9 3 5 5 5 | Northing [] |
| | | Time (24 h): 12-40 | Time (24 h): 12-55 |
| Map sheet Name: | | Map sheet number: | LGA: |

Location description:

R/O to W of road 6C, E face, slope massive v.l. with big boulders (15m high, 5m high), thinning, creek bed, wood, rock, etc.

Survey Details

| | |
|-----------------------------|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? | Person analysing calls? |

Weather at start of survey

| | |
|-----------------------------|---------|
| Cloud cover: 8/8 | Moon: ? |
| Wind Direction and speed: 0 | Rain: ? |
| Temperature (°C): 12.5 | |

Comments:

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 - None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 - Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Indirect evidence | N Not located |
| K Dead | P Scat | B Burnt |

Microhabitat Type

| | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TR ON trunk |
| DE In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| EC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |



Herpetofauna Survey Proforma

nil

Diurnal Herps - Cully
Rep #2

Project #: 4447
Observer: DCG + KJC
Date: 9/5/07

| Location and timing | | Start | Finish |
|---|-------------------|--------------------|-----------------------------|
| AMG Zone: 56 | 5139 | Easting: 292353 | Easting: 000001 |
| | | Northing: 61193558 | Northing: 000000 |
| | Time (24 h): 1205 | Time (24 h): 1220 | |
| Map sheet Name: | Map sheet number: | IGA: | |
| Location description: On bc between bc/gk intersection and Sandyck bridge Site is 30m N of road | | | |

| Survey Details | |
|---------------------------------|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? |

| Weather at start of survey | |
|---|-----------|
| Cloud cover: 8/8 | Moon: |
| Wind Direction and speed: — | Rain: Nil |
| Temperature (°C): 22°C | |
| Comments: Remarkable that nothing was found! 1 x Scat collected - between 2 large rocks | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2, 3 - 3/4, 4 - Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Indirect evidence | N : Not located |
| K : Dead | P : Scat | B : Burnt |

| Microhabitat Type | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| FA : Farm/fire dam | IR : In reeds | TR : ON trunk |
| BT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MG : Mid canopy | WH : Waterhole |



11 MAY 2007

5145- Durnal Herp - Gully

Herpetofauna Survey Proforma

Project #: 6-47
 Observer: (Muf Lam)
 Date: 23/4/07

GULLY

| Location and timing | Start | Finish |
|-----------------------|--------------------|--------------------|
| AMG Zone: | Easting 288273 | Easting 33300 |
| 145 | Northing 61192894 | Northing 7000111 |
| | Time (24 h): 10:25 | Time (24 h): 10:40 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: | | |

Survey Details

| | |
|-----------------------------|------------------------------|
| Number of surveyors? | Total effort (person hours)? |
| Number of hectares covered? | Person analysing calls? |

Weather at start of survey

| | |
|---------------------------|-------|
| Cloud cover: | Moon: |
| Wind Direction and speed: | Rain: |
| Temperature (°C): | |

Comments:
 ✓ Turn down rainwater at 2nd fence intersection.
 Stop on on 28855, 6193103
 288386, 6197975. Good site.
 loc holes.
 20070505

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2, 3 - 3/4, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move

Observation types

| | | | | | |
|---|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | To raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| S | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Burnt |

Microhabitat Type

| | | | | | |
|----|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | DL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CR | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

10.10.2007



Herpetofauna Survey

Proforma

ENTERED

Drummond Gully

Project #: 4647
 Observer: DLG + KJC
 Date: 15/5/07

| | | |
|---|-------------------------------|-------------------------------|
| Location and timing | S145 Start | Finish |
| AMG Zone: 56 | Easting <input type="text"/> | Easting <input type="text"/> |
| | Northing <input type="text"/> | Northing <input type="text"/> |
| | Time (24 h): 1355 | Time (24 h): 1410 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: OFF 6A at 2nd Railway intersection Walk down clearing to waypoint. | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? |

| | |
|--------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 1/8 | Moon: N/A |
| Wind Direction and speed: N(1) | Rain: NIL |
| Temperature (°C): 21°C | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = 1/8 Moon, 2 = 1/4, 3 = 3/8, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | B | Scat | B | Bunt |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevise in rock | IL | In tree hollow | OW | Over water |
| CL | Crevise in log | IS | In soil | RD | On road |
| DA | Farm/lire dam | IT | In tree | EK | ON trunk |
| DI | In dead tree (stag) | IS | In soil | JR | Under bark |
| EW | Edge of water | IT | In tree | UC | Upper canopy |
| FC | In/on post or stump | IT | In tree | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

11 MAY 2007

S147 - Durnal Herp - Cully



Herpetofauna Survey Proforma

ENTERED 132

Project #: 147
 Observer: P. Mann, MW
 Date: 23/1/07

| Location and timing | Start | Finish |
|--|--------------------|--------------------|
| AMG Zone: | Fasting 288318 | Fasting 00.0000 |
| (P32) UPT 147 | Northing 611924710 | Northing 0000000 |
| | Time (24 h): 11:55 | Time (24 h): 12:10 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: drive down 6A to hospital area. turn right along H. Drive down road to end up and down stream of above viewpoint | | |

| Survey Details | |
|-----------------------------|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|-----------------------------|---------|
| Cloud cover: 2/8 | Moon: 0 |
| Wind Direction and speed: 1 | Rain: 0 |
| Temperature (°C): 17 | |
| Comments: | |

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | T | Tracks, scratching |
| W | Heard call | D | Dug kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Burnt |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |



Herpetofauna Survey Proforma

ENTERED

Gully
Humat

| | |
|------------|-----------|
| Project #: | 4447 |
| Observer: | JCG + KJC |
| Date: | 15/5/07 |

| | | |
|--|--|--|
| Location and timing | S147 Start | Finish |
| AMG Zone: <u>56</u> | Easting <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | Fasting <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |
| | Northing <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | Northing <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |
| | Time (24 h): <u>1310</u> | Time (24 h): <u>1525</u> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>FROM GA CROSS RAIL INTERSECTION 100M BEFORE S11 TURNOFF DRIVE DOWN TRACK ON RIGHT</u> | | |

| | |
|--|---|
| Survey Details | |
| Number of surveyors? <u>2</u> | Total effort (person hours)? <u>0.5</u> |
| Number of hectares covered? <u>0.5</u> | Person analysing calls? |

| | |
|--|------------------|
| Weather at start of survey | |
| Cloud cover: <u>1/8</u> | Moon: <u>N/A</u> |
| Wind Direction and speed: <u>N (1)</u> | Rain: <u>NIL</u> |
| Temperature (°C): <u>20°C</u> | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 = strong, tops of trees move.

| Observation Types | | | | | |
|-------------------|--------------------|----------|-------------------|----------|----------------------|
| O | Observed (sighted) | R | Road kill | T | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Burnt |

| Microhabitat Type | | | | | |
|-------------------|----------------------|-----------|----------------|-----------|---------------|
| AC | Flying above canopy | AB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevise in rock | IH | In tree hollow | OW | Over water |
| CL | Crevise in log | IL | In litter | OD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

GPS # 8

GULLY HERP 8150-Diurnal Herp - Gully



Herpetofauna Survey
Proforma

| | |
|------------|---------|
| Project #: | 4447 |
| Observer: | MV RMM |
| Date: | 23/4/07 |

11 MAY 2007 BIOSIS

ENTERED
3

| Location and timing | Start | Finish |
|--|---|--|
| AMG Zone: | Easting <input type="text" value="288750"/> | Easting <input type="text" value=""/> |
| <i>WP-150</i> | Northing <input type="text" value="6195227"/> | Northing <input type="text" value=""/> |
| | Time (24 h): <i>1340</i> | Time (24 h): <i>1355</i> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <i>DCT ROCKY ESCARPMENT</i> | | |

| Survey Details | |
|-------------------------------|---|
| Number of surveyors? <i>2</i> | Total effort (person hours)? <i>0.5</i> |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|--|----------------|
| Cloud cover: <i>8/8</i> | Moon: <i>-</i> |
| Wind Direction and speed: <i>SW 1</i> | Rain: <i>-</i> |
| Temperature (°C): <i>20°</i> | |
| Comments: <i>GOOD GULLY HERP SITE ADJACENT TO CK.</i> | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 None, 1 - 1/4 Moon, 2 - 1/2, 3 - 3/4, 4 Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Indirect evidence | N Not located |
| K Dead | P Scat | B Burnt |

| Microhabitat Type | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TR ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| IC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |



Herpetofauna Survey Proforma

Pluvial Herps - Cuddly
Rep # 2

Project #: 4447

Observer: KJC + DCU

Date: 10/05/07

| | | |
|--|---|--|
| Location and timing | Start | Finish |
| LGA AMG Zone: 56 | Fasting <input type="text" value="288950"/> | Fasting <input type="text" value="333333"/> |
| | Northing <input type="text" value="6195227"/> | Northing <input type="text" value="333333"/> |
| | Time (24 h): 16:30 | Time (24 h): 16:45 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: DCT 3 - nth side of creek | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? — |

| | |
|-----------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: — |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 19.0 | |
| Comments: | |

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 – light, leaves rustle, 2 – moderate, branches move, 3 – strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Observation types | | |
| O : Observed (sighted) | R : Road kill | T : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| I : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or tooth |
| A : Stranded/beached | I : Indirect evidence | N : Not located |
| K : Dead | P : Scat | B : Burnt |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Microhabitat Type | | |
| AC : Flying above canopy | IB : In burrow | OD : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| GK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Farm/fine dam | IR : In reeds | TR : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WB : Waterhole |

CPS #8

GULLY S152 - Durnal Heap - Cully



Herpetofauna Survey
Proforma

11 MAY 2007 O.S.I.S.

ENTERED
130

Project #: 4447
Observer: MV RMM
Date: 23/4/07

| | | |
|---|-------------------|--------------------------------|
| Location and timing | Start | Finish |
| AMG Zone: | Easting 2197169 | Easting [][][][][][] |
| MP: 152 | Northing 6195335 | Northing [][][][][][][] |
| | Time (24 h): 1425 | Time (24 h): 1440 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: DCT ON ESCARPMENT ADJACENT TO CK ACCESS FROM X151 | | |

| | |
|-----------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? | Person analysing calls? |

| | |
|--------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: — |
| Wind Direction and speed: SW 1 | Rain: — |
| Temperature (°C): 20° | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rattle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scats | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Scat |
| A | Stranded/beached | I | Indirect evidence |
| K | Dead | P | Scat |
| F | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | E | Nest or roost |
| Y | Bones or teeth | N | Not located |
| B | Burnt | | |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | Lv/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IU | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FP | Lv/on post or stump | IW | In water | UG | Undergrowth |
| FF | Flying within canopy | LC | Lower canopy | UL | Under log |
| GB | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |



Herpetofauna Survey Proforma

Durmit Herp - Cully
Rep # 2

Project #: 4447
Observer: KJC + DCA
Date: 10/25/07

| | | |
|---|--------------------|--------------------|
| Location and timing | S15Z Start | Finish |
| MGA AMG Zone: 56 | Easting 289159 | Easting |
| | Northing 6195335 | Northing |
| | Time (24 h): 16:05 | Time (24 h): 16:20 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: DCT2 - N side of creek | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? -- |

| | |
|-----------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: -- |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 19°C | |

Comments:
Route and site (AS22) on overhang.

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------------|----------------------------|-------------------------------|
| Observation types | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Indirect evidence | N Not located |
| K Dead | P Scat | B Burnt |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat Type | | |
| AC Flying above canopy | TB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CE Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TK ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

11 MAY 2007

INTEREST 3 - Divulga Herp - Emily
129



Herpetofauna Survey
Proforma

Project #: 4447
Observer: MB Lott
Date: 23/4/07

| Location and timing | Start | Finish |
|--|--|--|
| AMG Zone: | Basting <input checked="" type="checkbox"/> 8 <input checked="" type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 | Basting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| DWPT 153 | Northing <input checked="" type="checkbox"/> 1 <input checked="" type="checkbox"/> 5 <input checked="" type="checkbox"/> 2 <input checked="" type="checkbox"/> 6 | Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Map sheet Name: | Time (24 h): 15:00 | Time (24 h): 15:35 |
| Map sheet number: | Map sheet number: | LGA: |
| Location description: Contig David's Ridge. Road upstream access from road | | |

Survey Details

| | | | |
|-----------------------------|---|------------------------------|-----|
| Number of surveyors? | 2 | Total effort (person hours)? | 0.5 |
| Number of hectares covered? | | Person analysing calls? | |

Weather at start of survey

| | | | |
|---------------------------|-----|-------|---|
| Cloud cover: | 8/8 | Moon: | 0 |
| Wind Direction and speed: | 1 | Rain: | 0 |
| Temperature (°C): | 17° | | |
| Comments: | | | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2, 3 - 3/4, 4 - Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | B : Bones or teeth |
| A : Stranded/beached | I : Indirect evidence | N : Not located |
| K : Dead | P : Scat | B : Burnt |

Microhabitat Type

| | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | BR : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CR : Crevice in rock | TH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TR : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |



Herpetofauna Survey Proforma

Journal Hesp - Cuiy
Rep # 2

Project #: 4447
Observer: KICA DCG
Date: 10/05/07

| | | |
|---|---|---|
| Location and timing | Start | Finish |
| MGR AMR Zone: 50 | Fasting <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 | Easting <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 |
| | Northing <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 | Northing <input type="checkbox"/> 9 <input type="checkbox"/> 0 <input type="checkbox"/> 1 |
| | Time (24 h): 15:15 | Time (24 h): 15:30 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Donald's Castle Creek upstream from 6. | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details: | |
| Number of surveyors? 2 | Total effort (person hours)? 9.5 |
| Number of hectares covered? 0.5 | Person analysing calls? — |

| | |
|---|----------|
| Weather at start of survey: | |
| Cloud cover: 8/8 | Moon: — |
| Wind Direction and speed: 0 | Rain: NA |
| Temperature (°C): 19.0 | |
| Comments: Don't use as monitoring site. DCT better habitat | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0—None, 1—¼ Moon, 2—½, 3—¾, 4—Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------------|----------------------------|-------------------------------|
| Observation types: | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | N Nest or roost |
| H Hair or feathers | S Shot | B Bones or teeth |
| A Stranded/beached | I Indirect evidence | L No; located |
| K Dead | P Scat | B Burnt |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat Type | | |
| AC Flying above canopy | IR In burrow | OB On beach sand |
| BB In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TK ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |



11 MAY 2007 5154-Diurnal Herp-Cully Cully GPS #3
 Herpetofauna Survey Proforma

| | |
|------------|--------------|
| Project #: | 4007 |
| Observer: | My [unclear] |
| Date: | 11-5-07 |

| Location and timing | Start | Finish |
|---|---------------------------|---------------------------|
| AMG Zone: | Easting <u>290257</u> | Easting <u> </u> |
| <u>upr 156</u> | Northing <u>6191143</u> | Northing <u> </u> |
| | Time (24 h): <u>15:45</u> | Time (24 h): <u>16:00</u> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>Territory off road on road 156</u> | | |

| | |
|-------------------------------|---|
| Survey Details | |
| Number of surveyors? <u>2</u> | Total effort (person hours)? <u>2.0</u> |
| Number of hectares covered? | Person analysing calls? |

| | |
|------------------------------------|----------------|
| Weather at start of survey | |
| Cloud cover: <u>5/8</u> | Moon: <u>0</u> |
| Wind Direction and speed: <u>3</u> | Rain: <u>0</u> |
| Temperature (°C): <u>16</u> | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2, 3=3/4, 4=Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0=calm, 1=light, leaves rustle, 2=moderate, branches move, 3=strong, tops of trees move.

| Observation types | | | |
|-------------------------------|------------------------------|---------------------------------|--|
| O : Observed (sighted) | R : Road kill | T : Tracks, scratching | |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet | |
| X : In scat | C : Cat kill | M : Miscellaneous | |
| E : Trapped or netted | V : Fox kill | N : Nest or roost | |
| H : Hair or feathers | S : Shot | Y : Bones or teeth | |
| A : Stranded/beached | I : Indirect evidence | N : Not located | |
| K : Dead | P : Scat | B : Buried | |

| Microhabitat Type | | | |
|----------------------------------|----------------------------|---------------------------|--|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand | |
| BR : In/on bridge | IC : In cave | OL : On log | |
| BU : In building | IG : In grass | OR : On rock | |
| GK : Crevice in rock | IH : In tree hollow | OW : Over water | |
| CL : Crevice in log | IL : In litter | RD : On road | |
| DA : Farm/fire dam | IR : In reeds | TR : ON trunk | |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark | |
| EW : Edge of water | IT : In live tree | UC : Upper canopy | |
| FC : In/on post or stump | IW : In water | UG : Undergrowth | |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log | |
| GR : On ground | LS : Low shrub | UR : Under rock | |
| HS : High shrub | MC : Mid canopy | WH : Waterhole | |

19 JUN 2007

Diurnal Herp - Gully
Rep # 2

Herpetofauna Survey Proforma

ENTERED

Project #: 4447
 Observer: KSC + DCG
 Date: 10/5/07

| | | | |
|--|-------------------|------------|--------------------|
| Location and timing | | SL54 Start | Finish |
| LGA Zone: 50 | Easting | 2130887 | Easting 1111000 |
| | Northing | 0197143 | Northing 0000000 |
| | Time (24 h): | 14.55 | Time (24 h): 15.10 |
| Map sheet Name: | Map sheet number: | | LGA: |
| Location description: Tributary off Wongawilli CK. Access from X156 | | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? — |

| | |
|-----------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: — |
| Wind Direction and speed: 1 | Rain: Nil |
| Temperature (°C): 19.0 | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2, 3=3/4, 4=Full

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | T | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| D | Dead | P | Scat | B | Burnt |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevise in rock | IH | In tree hollow | OW | Over water |
| CL | Crevise in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FP | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |



Herpetofauna Survey Proforma

Dumont Herp - Gully
Rep# 2

Project #: 4447
 Observer: KJC + DCG
 Date: 10/05/07

| | | | |
|--|-------------------|---------|--------------------|
| Location and timing | | Start | Finish |
| M.A.A. AMG Zone: 56 | Easting | 290942 | Easting |
| | Northing | 6197338 | Northing |
| | Time (24 h): | 14.10 | Time (24 h): 14.25 |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Monganville ck off b. Area search starts to SE of track | | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? - |

| | |
|---------------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: - |
| Wind Direction and speed: 1 | Rain: Nil |
| Temperature (°C): 17°C | |
| Comments: Dont use as monitoring site | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|----------------------|---|-------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Indirect evidence |
| K | Dead | P | Scat |
| F | Tracks, scratching | M | Miscellaneous |
| Z | In raptor/owl pellet | E | Nest or roost |
| | | Y | Bones or teeth |
| | | N | Not located |
| | | B | Burnt |

| Microhabitat Type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevise in rock | IH | In tree hollow |
| CL | Crevise in log | IE | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FP | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | OR | On rock |
| OL | On log | OW | Over water |
| OT | On trunk | RU | On road |
| UB | Under bark | TK | On trunk |
| UC | Upper canopy | UB | Under bark |
| UG | Undergrowth | UL | Under log |
| UR | Under rock | UR | Under rock |
| WH | Waterhole | WH | Waterhole |



11 MAY 2007

S155 - Diurnal Herp - Gully
Gully CPS #8

Herpetofauna Survey
Proforma

| | |
|------------|----------|
| Project #: | 4-47 |
| Observer: | Jan 2007 |
| Date: | 23/4/07 |

| | | | |
|--|-------------------|---------|--------------|
| Location and timing | | Start | Finish |
| AMG Zone: | Easting | 290942 | Easting |
| UP155 | Northing | 6197338 | Northing |
| | Time (24 h): | 16:05 | Time (24 h): |
| Map sheet Name: | Map sheet number: | IGA: | |
| Location description: Gully with Cr. section from rocky area | | | |

| | |
|------------------------------|-------|
| Survey Details | |
| Number of surveyors? | 2 |
| Number of hectares covered? | |
| Total effort (person hours)? | 0.5hr |
| Person analysing calls? | |

| | |
|----------------------------|-----|
| Weather at start of survey | |
| Cloud cover: | 8/8 |
| Wind Direction and speed: | 3 |
| Temperature (°C): | 16 |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 - None, 1 - ¼ Moon, 2 - ½, 3 - ¾, 4 - Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | T | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| F | Trapped or netted | Y | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | B | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Burnt |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | AH | In tree hollow | OW | Over water |
| CL | Crevice in log | HL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FP | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LU | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |



Herpetofauna Survey Proforma

ENTERED
125

8162 - *Diurnal Herp - Lilly*
1/25/07

| | |
|------------|-----------|
| Project #: | 447 |
| Observer: | 20/4/07 |
| Date: | ↓ MV 0000 |

11 MAY 2007

| Location and timing | Start | Finish |
|---------------------|---------------------------|---------------------------|
| AMG Zone: | Easting <u>290742</u> | Easting <u> </u> |
| <u>P08</u> | Northing <u>6794254</u> | Northing <u> </u> |
| | Time (24 h): <u>11:25</u> | Time (24 h): <u>11:46</u> |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:

Wongahall

| Survey Details | |
|------------------------------|------------|
| Number of surveyors? | <u>2</u> |
| Number of hectares covered? | |
| Total effort (person hours)? | <u>0.3</u> |
| Person analysing calls? | |

| Weather at start of survey | |
|----------------------------|--------------|
| Cloud cover: | <u>2/8</u> |
| Wind Direction and speed: | <u>Nil D</u> |
| Temperature (°C): | <u>25°</u> |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2, 3 - 3/4, 4 - Full

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Indirect evidence | N : Not located |
| K : Dead | P : Scat | B : Burnt |

| Microhabitat Type | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | TC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Fern/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| GC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |



Herpetofauna Survey Proforma

ENTERED
135

Project #: 4447
Observer: M.V. R. FAW
Date: 20/10/07

| Location and timing | Start | Finish |
|---|---------------------------|---------------------------|
| AMG Zone: <u>P08</u> | Dating <u>270742</u> | Dating <u> </u> |
| | Northing <u>6194254</u> | Northing <u> </u> |
| | Time (24 h): <u>11:25</u> | Time (24 h): <u>11:40</u> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>Wongah Creek from bottom of stream to road</u> | | |

| Survey Details | |
|--------------------------------------|---|
| Number of surveyors? <u>2</u> | Total effort (person hours)? <u>0.5</u> |
| Number of hectares covered? <u>-</u> | Person analysing calls? <u>-</u> |

| Weather at start of survey | |
|--|----------------|
| Cloud cover: <u>4/8</u> | Moon: <u>-</u> |
| Wind Direction and speed: <u>S</u> | Rain: <u>-</u> |
| Temperature (°C): <u>22°</u> | |
| Comments: <u>PLEASE COVERED STREAM SECTION W-POOLS</u> | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 = None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Indirect evidence | N : Not located |
| K : Dead | P : Scat | B : Burnt |

| Microhabitat type | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BB : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FG : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |



Herpetofauna Survey Proforma

Replicate 2 - gully site

| |
|----------------------------------|
| Project #: 4447 |
| Observer: XXXX JC, KS |
| Date: 10-5-07 |

| Location and timing | Start S162 | Finish |
|---|--------------------|--------------------|
| MGA Zone: | Wasting | Wasting |
| | Northing | Northing |
| | Time (24 h): 11:35 | Time (24 h): 11:50 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: Wongawilli Creek down from 204, heading upstream. Western bank. | | |

| Survey Details | |
|-----------------------------|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey: | |
|--|---------|
| Cloud cover: 6/8 | Moon: - |
| Wind Direction and speed: Light breeze | Rain: - |
| Temperature (°C): Mild | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-----------------------|----------------------|-------------------------|--|
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching | |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet | |
| X: In scat | C: Cat kill | MC: Miscellaneous | |
| T: Trapped or netted | V: Fox kill | N: Nest or roost | |
| H: Hair or feathers | S: Shot | Y: Bones or teeth | |
| A: Stranded/beached | J: Fossil/sub-fossil | N: Not located | |

| Microhabitat Type | | | |
|--------------------------|--------------------|-------------------|--|
| AC: Flying above canopy | IB: In burrow | OB: On beach sand | |
| BR: In/on bridge | IC: In cave | OL: On log | |
| BU: In building | IG: In grass | OR: On rock | |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water | |
| CL: Crevice in log | IL: In litter | RD: On road | |
| DA: Farm/fire dam | IR: In reeds | TR: ON trunk | |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark | |
| EW: Edge of water | IT: In live tree | UC: Upper canopy | |
| FG: In/on post or stump | IW: In water | UG: Undergrowth | |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log | |
| GR: On ground | LS: Low shrub | UR: Under rock | |
| HS: High shrub | MC: Mid canopy | WH: Waterhole | |



Herpetofauna Survey Proforma

ENTERED

Diurnal Herp - Gully
Rep # 1

Project #: 4447

Observer: KJC + DCG

Date: 9/5/07

| | | |
|--|--------------------|--------------------|
| Location and timing: | Start | Finish |
| AMG Zone: 5/2 | Easting 293485 | Easting 71-11111 |
| | Northing 1191724 | Northing 7778000 |
| | Time (24 h): 09.55 | Time (24 h): 10.10 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: On N/E bank of Sandy CK Trub B just downstream of SCTB2 | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? -- |

| | |
|-----------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: - |
| Wind Direction and speed: 1 | Rain: N |
| Temperature (°C): 20 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|--------------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | T | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In seat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | F | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | V | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Burnt |

| | | | | | |
|--------------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| GK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | OD | On road |
| FD | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

19 JUN 2007

Diurnal Herp - Gully
Rep#2



Herpetofauna Survey
Proforma

ENTERED
175

Project #: 4447

Observer: KJC

Date: 11/05/07

| | | | |
|--|-------------------|---------|--------------|
| Location and timing | SS10 | Start | Finish |
| LGA: AMG Zone: 56 | Eastng | 293485 | Eastng |
| | Northng | 6191724 | Northng |
| Map sheet Name: | Time (24 h): | 10.33 | Time (24 h): |
| Location description: | Map sheet number: | | LGA: |
| Downstream of SCTB2 on northern ^{WY} side of creek. | | | |

| | |
|------------------------------|-----|
| Survey Details | |
| Number of surveyors? | 1 |
| Number of hectares covered? | 0.5 |
| Total effort (person hours)? | 0.5 |
| Person analysing calls? | KJC |

| | |
|----------------------------|---------------------|
| Weather at start of survey | |
| Cloud cover: | 5/8 |
| Wind Direction and speed: | 0 |
| Temperature (°C): | 19 °C |
| Comments: | Fine + calm morning |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3= ¾, 4 = Full

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Indirect evidence |
| K | Dead | P | Scat |
| | | F | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | E | Nest or roost |
| | | Y | Bones or teeth |
| | | N | Not located |
| | | B | Burnt |

| | | | |
|-------------------|---------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DE | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IU | In live tree |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TK | ON trunk |
| | | UB | Under bark |
| | | UC | Under canopy |



nil

Herpetofauna Survey Proforma

Dumoral Herps - Cully
Rep#1

| |
|----------------------------|
| Project #: 4447 |
| Observer: KJC + DCG |
| Date: 9/05/07 |

| Location and timing | Start | Finish |
|--|--|--|
| AMG Zone: 56 | Easting 293648 | Easting 72500 |
| | Northing 6191792 | Northing 9730317 |
| | Time (24 h): 10.5 | Time (24 h): 10.40 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: On NW bank of Sandy Cr Trub B - upstream of SCTB1 Herp signs runs alongside Coje traps C34-36. | | |

| Survey Details | |
|---------------------------------|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? - |

| Weather at start of survey | |
|-----------------------------|-----------|
| Cloud cover: 8/8 | Moon: ? |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 27°C | |
| Comments: | |

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|----------|-------------------|----------|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| H | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Burnt |

| Microhabitat Type | | | | | |
|-------------------|----------------------|-----------|----------------|-----------|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Fam/fire dam | IR | In reeds | TR | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FP | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |



Herpetofauna Survey Proforma

ENTERED

Durnal Herp - Gully
Rep # 12

Project #: 4447
 Observer: DCG
 Date: 11/5/07

| | | | |
|--|-------------------|----------------------------------|--------|
| Location and timing: | SSI | Start | Finish |
| AMG Zone: 56 | Fasting 293648 | Easting [] [] [] [] [] [] | |
| | Northing 6191792 | Northing [] [] [] [] [] [] | |
| | Time (24 h): 1534 | Time (24 h): 1104 | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Upstream of SCTBI | | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 1 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? |

| | |
|-----------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 3/8 | Moon: [] |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 15°C | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - ¼ Moon, 2 - ½, 3 - ¾, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------------|----------------------------|-------------------------------|
| Observation types | | |
| O Observed (sighted) | R Road kill | T Tracks, scratching |
| H Heard call | D Dog kill | Z In raptor/owl pellet |
| N In nest | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Indirect evidence | N Not located |
| K Dead | P Scat | B Burnt |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat type | | |
| AC Flying above canopy | IB In burrow | OR On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TK ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |



Herpetofauna Survey Proforma

EMULATED
169

Diurnal Herps - Crawley
Rep #1

| |
|---------------------|
| Project #: 4447 |
| Observer: KJC + DCS |
| Date: 9/05/07 |

| | | |
|---|--------------------|--------------------|
| Location and timing | S512 Start | Finish |
| MCA AMG Zone: 56 | Easting 293940 | Easting 720000 |
| | Northing 6191345 | Northing 000000 |
| | Time (24 h): 10.45 | Time (24 h): 11.00 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: K. Lake Creek - downstream at 66 | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? - |

| | |
|-----------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: ? |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 22°C | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------|----------------------|----------|-------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Indirect evidence |
| K | Dead | P | Scat |
| E | Tracks, scratching | M | Miscellaneous |
| Z | In raptor/owl pellet | N | Not located |
| B | Burnt | Y | Bones or teeth |

| | | | |
|-------------------|----------------------|-----------|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BH | In building | IG | In grass |
| CK | Crevise in rock | IH | In tree hollow |
| CL | Crevise in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DE | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IU | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| GB | On beach sand | OB | On log |
| OL | On log | OR | On rock |
| OW | Over water | RD | On road |
| TR | On trunk | TK | On trunk |
| UB | Under bark | UB | Under bark |
| UC | Upper canopy | UG | Undergrowth |
| UL | Under log | UR | Under rock |
| UR | Under rock | WH | Waterhole |

19 Oct 2001

Diurnal Herp - Cully
Rep #2



Herpetofauna Survey
Proforma

ENTERED
11

Project #: 4447
Observer: KJC + DCG
Date: 11/5/05

| | | |
|---|---------------------------|---------------------------|
| Location and timing: <u>MCA</u> <u>AMG Zone: 56</u> | <u>3512</u> Start | Finish |
| | Easting <u>293940</u> | Easting <u>□□□□□□</u> |
| | Northing <u>6191345</u> | Northing <u>□□□□□□</u> |
| | Time (24 h): <u>11:20</u> | Time (24 h): <u>11:35</u> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>Waratah ck. down stream of GC</u> | | |

| | | |
|----------------|--|--|
| Survey Details | Number of surveyors? <u>2</u> | Total effort (person hours)? <u>0.5</u> |
| | Number of hectares covered? <u>0.5</u> | Person analysing calls? <u>KJC + DCG</u> |

| | |
|--|------------------|
| Weather at start of survey: | |
| Cloud cover: <u>4/8</u> | Moon: <u>—</u> |
| Wind Direction and speed: <u>0</u> | Rain: <u>Nil</u> |
| Temperature (°C): <u>20°C</u> | |
| Comments: <u>lots of photos taken</u> | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 - None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 - Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|----------|-------------------|----------|-----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In reaptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| H | Hair or leathers | S | Shot | B | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Burnt |

| Microhabitat Type | | | | | |
|-------------------|----------------------|-----------|----------------|-----------|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CU | Crevice in log | IL | In litter | OD | On road |
| DA | Farm/fire dam | IR | In reeds | OT | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| GC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

19 JUN 2007

Univ. Herps - Custer
Rep #1



Herpetofauna Survey
Proforma

ENTERED

Project #: 4447
Observer: DCG KJC
Date: 9/5/07

| Location and timing | | Start | Finish |
|--|--------------------|--------------|--------|
| AMG Zone: 56 | Easting 293834 | Easting | |
| | Northing 6192686 | Northing | |
| | Time (24 h): 11:10 | Time (24 h): | 11:25 |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Sandy Ck downstream of bridge crossing. Transect ends above large waterfall. | | | |

| Survey Details | |
|---------------------------------|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? 0.5 |

| Weather at start of survey | |
|---|-----------|
| Cloud cover: 8/8 | Moon: |
| Wind Direction and speed: | Rain: Nil |
| Temperature (°C): 22.0C | |
| Comments: 1. Scat collected from site. - contains fur + teeth located on stream edge. | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Indirect evidence |
| K | Dead | P | Scat |
| F | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | E | Nest or roost |
| Y | Bones or teeth | N | Not located |
| B | Burnt | | |

| Microhabitat Type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Dam/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | | |
| OL | On log | | |
| OR | On rock | | |
| OW | Over water | | |
| RD | On road | | |
| TK | On trunk | | |
| UB | Under bark | | |
| UC | Upper canopy | | |
| UG | Undergrowth | | |
| UL | Under log | | |
| UR | Under rock | | |
| WH | Waterhole | | |

13 JUN 2007

Diurnal Herp - Conting
Rep # 2



Herpetofauna Survey
Proforma

ENTERED

Project #: 4447

Observer: KJC + DCG

Date: 11/5/07

| | | |
|-----------------------------|--------------------|--|
| Location and timing: | S514 Start | Finish |
| AMC Zone: 56 | Basting 293854 | Fasting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | Northing 6192686 | Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | Time (24 h): 12-30 | Time (24 h): 12-45 |
| Map sheet Name: | Map sheet number: | I.G.A.: |

Location description:

Sandy ck downstream of 6c

Survey Details

| | |
|---------------------------------|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? - |

Weather at start of survey

| | |
|-----------------------------|-----------|
| Cloud cover: 2/8 | Moon: - |
| Wind Direction and speed: 0 | Rain: nil |
| Temperature (°C): 21.0 | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 None, 1 1/4 Moon, 2 1/2, 3 3/4, 4 Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | N Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Indirect evidence | L Not located |
| K Dead | P Scat | B Burnt |

Microhabitat Type

| | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TR ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |



11 MAY 2007
 Herpetofauna Survey
 Proforma **ENTERED**
 03

S105-Durnal Repts - Ridge

Project #: 4447
 Observer: NW/RMT
 Date: 18/4/07

| Location and timing | Start | Finish |
|--|--------------------|-------------------------------|
| AMG Zone: GPS# 8 | 564 Easting 289840 | Easting <input type="text"/> |
| WP 105 | Northing 6193774 | Northing <input type="text"/> |
| Map sheet Name: | Time (24 h): 1228 | Time (24 h): 1243 |
| Map sheet number: | LGA: | |
| Location description: LUKES TRACK - EAST OF TRACK ABOVE OVERHANG | | |

Survey Details

| | |
|-----------------------------|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? | Person analysing calls? |

Weather at start of survey

| | |
|-------------------------------|---------|
| Cloud cover: 1/8 | Moon: 0 |
| Wind Direction and speed: S 1 | Rain: 0 |
| Temperature (°C): 25 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2, 3 - 3/4, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | |
|-----------------------|----------------------|-------------------------|
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | Y: Fox kill | E: Nest or roost |
| H: Hair or feathers | S: Shot | V: Bones or teeth |
| A: Stranded/beached | I: Indirect evidence | N: Not located |
| K: Dead | P: Scat | B: Burnt |

Microhabitat type

| | | |
|--------------------------|--------------------|-------------------|
| AC: Flying above canopy | IB: In burrow | OB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water |
| CL: Crevice in log | LI: In litter | RD: On road |
| DA: Farm/fire dam | IR: In reeds | TR: ON trunk |
| DE: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IL: In live tree | UC: Upper canopy |
| FE: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |

| Species | Ob. type | Habitat type | Number | Easting | Northing | Accuracy |
|---------|----------|--------------|--------|---------|----------|----------|
| NII | | | | | | |
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11 MAY 2007

Slo6-Diurnal Repts-Kidge



Herpetofauna Survey
Proforma

ENTERED
04

Project #: 4477
Observer: mv (BMM)
Date: 18/14/07

| Location and timing | Start | Finish |
|---|------------------------|--|
| AMG Zone: O/S#8 | S6H0 Fasting 289887 | Fasting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| WPT 106 | Northing 6193705 | Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | Time (24 h): 12:45 | Time (24 h): 13:00 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: east of Lukes track - below overhang | | |

| Survey Details | |
|-----------------------------|-------------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 hr |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|-------------------------------|---------|
| Cloud cover: 1/8 | Moon: 0 |
| Wind Direction and speed: W 2 | Rain: 0 |
| Temperature (°C): 25 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| Q | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Burnt |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | ON trunk |
| DT | In dead tree (stag) | IS | In soil | TB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FS | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

11 MAY 2007



ENTERED
105

Herpetofauna Survey Proforma

Slot-Durnal Repts- Ridge

Project #: 447
 Observer: MV RMM
 Date: 18/4/07

| Location and timing | Start | Finish |
|-----------------------|--|------------------------|
| AMG Zone: APS#8 | Easting 289863 | Easting E U T T O F Y |
| WPT 107 | Northing 6193627 | Northing E 9 0 0 0 0 7 |
| | Time (24 h): 13:00 | Time (24 h): 13:15 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: | east of tubes track - below and above overhang | |

| Survey Details | |
|-----------------------------|------------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5hr |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|-------------------------------|---------|
| Cloud cover: 1/8 | Moon: 0 |
| Wind Direction and speed: W 2 | Rain: 0 |
| Temperature (°C): 25° | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|----------|-------------------|----------|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Burnt |

| Microhabitat Type | | | | | |
|-------------------|----------------------|-----------|----------------|-----------|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DN | Farm/fire dam | IR | In reeds | TR | On trunk |
| DL | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |



Herpetofauna Survey
Proforma

ENTERED
181

Dwinal Heap - Ridge
Rep # 2

Project #: 4447
Observer: KJC + DCG
Date: 13/5/07

| | | | |
|--|--------------------|--------------------|--------|
| Location and timing | G107 | Start | Finish |
| MGA AMZ Zone: 56 | Easting 289863 | Easting | □□□□□□ |
| | Northing 6193627 | Northing | □□□□□□ |
| | Time (24 h): 11:35 | Time (24 h): 11:50 | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: East off Luke's track. Above and below overhang | | | |

| | |
|-----------------------------|------------------------------|
| Survey Details | |
| Number of surveyors? | Total effort (person hours)? |
| Number of hectares covered? | Person analysing calls? |

| | |
|-----------------------------------|-------|
| Weather at start of survey | |
| Cloud cover: | Moon: |
| Wind Direction and speed: | Rain: |
| Temperature (°C): | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2, 3 - 3/4, 4 - Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|--------------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Burnt |

| | | | | | |
|--------------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | BB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevise in rock | IH | In tree hollow | OW | Over water |
| CL | Crevise in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GH | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

11 MAY 2007

ENTERED
106

S108-Dinnal - Hesp - Kidge



Herpetofauna Survey
Proforma

Project #: 407
Observer: MV RUM
Date: 18/11/07

| Location and timing | Start | Finish |
|---|--------------------|--------------------|
| AMG Zone: GPS #8 | 56h Easting 289696 | Easting 03983 |
| Lower 108 | Northing 6193362 | Northing 0000000 |
| | Time (24 h): 13:35 | Time (24 h): 13:50 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: West of Laker river | | |

| Survey Details | |
|-----------------------------|------------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5hr |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|-------------------------------|---------|
| Cloud cover: 0 | Moon: 0 |
| Wind Direction and speed: N 0 | Rain: 0 |
| Temperature (°C): 26 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-----------------------|----------------------|-------------------------|--|
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching | |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet | |
| X: In scat | C: Cat kill | M: Miscellaneous | |
| T: Trapped or netted | V: Fox kill | L: Nest or roost | |
| H: Hair or feathers | S: Shot | Y: Bones or teeth | |
| A: Stranded/beached | I: Indirect evidence | N: Not located | |
| K: Dead | E: Scat | B: Burnt | |

| Microhabitat Type | | | |
|--------------------------|--------------------|-------------------|--|
| AC: Flying above canopy | IB: In burrow | OB: On beach sand | |
| BR: In/on bridge | IC: In cave | OL: On log | |
| BU: In building | IG: In grass | OR: On rock | |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water | |
| CL: Crevice in log | IL: In litter | RD: On road | |
| DA: Farm/fire dam | IR: In reeds | TR: ON trunk | |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark | |
| EW: Edge of water | IT: In live tree | UC: Upper canopy | |
| FC: In/on post or stump | IW: In water | UG: Undergrowth | |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log | |
| GR: On ground | LS: Low shrub | UR: Under rock | |
| HS: High shrub | MC: Mid canopy | WL: Waterhole | |



Herpetofauna Survey Proforma

Project #: 4447
 Observer: RMM, KS, JC
 Date: 9-5-07

Replicate 2-ridge site.

| | | | |
|--|-------------------|---------------------|--------------------|
| Location and timing | | Start 5108 (GPS) | Finish |
| MGA Zone: | Easting | □□□□□□ | Easting |
| | Northing | □□□□□□ | Northing |
| | Time (24 h): | 13:37 | Time (24 h): 13:47 |
| Map sheet Name: | Map sheet number: | I.G.A.: | |
| Location description: Luke's Track (ridge site) | | | |

| | |
|-----------------------------|------------------------------------|
| Survey Details | |
| Number of surveyors? 3 | Total effort (person hours)? 0.5hr |
| Number of hectares covered? | Person analysing calls? |

| | |
|---------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: — |
| Wind Direction and speed: Still | Rain: — |
| Temperature (°C): Mild | |

Comments:

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Read kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| | | E | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | N | Nest or roost |
| | | Y | Bones or teeth |
| | | N | Not located |

| | | | |
|-------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Dam/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FL | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TR | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

11 MAY 2007

ENTERED 106

3112 - Diurnal Herp - Ridge



Herpetofauna Survey
Proforma
RIDGE

Project #: 4447
Observer: MV / RMM
Date: 19/4/07

WP:112
Ridge

| Location and timing | Start | Finish |
|---|------------------------|------------------------|
| AMG Zone: | Fasting 2 8 9 9 9 9 | Easting 1 1 1 1 1 1 |
| | Northing 6 1 9 3 4 0 3 | Northing 1 1 1 1 1 1 1 |
| | Time (24 h): 09.55 | Time (24 h): 10.10 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: OVERHANGS ADJACENT TO LUKES CK adjacent to POT | | |

| Survey Details | |
|-----------------------------|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|-----------------------------|---------|
| Cloud cover: 7/8 | Moon: - |
| Wind Direction and speed: - | Rain: - |
| Temperature (°C): 21° | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes. 0 - None, 1 - 1/4 Moon, 2 - 1/2, 3 - 3/4, 4 - Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | T : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Indirect evidence | N : Not located |
| K : Dead | P : Scat | B : Burnt |

| Microhabitat Type | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GL : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MS : Mid canopy | WH : Waterhole |



Herpetofauna Survey Proforma

Project #: 447
 Observer: RMH, JC, KS
 Date: 11-5-07

Ridgesite: replicate 2

| | | |
|---|--|--------------------------------------|
| Location and timing | Start 5112 | Finish |
| MGA Zone: | Easting <u>LUUC00</u> | Easting <u>GH8300</u> |
| | Northing <u>000000</u> | Northing <u>0007000</u> |
| Map sheet Name: | Time (24 h): <u>15:46</u> Map sheet number: | Time (24 h): <u>15:56</u> I.G.A.: |
| Location description: <u>Rocky outcrop adjacent to Luke's Creek (near crossing).</u> | | |

| | |
|-------------------------------|---|
| Survey Details | |
| Number of surveyors? <u>3</u> | Total effort (person hours)? <u>0.5hr</u> |
| Number of hectares covered? | Person analysing calls? |

| | |
|---------------------------------------|----------------|
| Weather at start of survey | |
| Cloud cover: <u>8/8</u> | Moon: <u>—</u> |
| Wind Direction and speed: <u>Slit</u> | Rain: <u>—</u> |
| Temperature (°C): <u>Mild</u> | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------------|----------------------------|-------------------------------|
| Observation types | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Dones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat Type | | |
| AC Flying above canopy | TR In burrow | ON On beach sand |
| BR In/on bridge | TC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | TH In tree hollow | OW Over water |
| CL Crevice in log | TL In litter | RD On road |
| DA Dam/lire dam | TR In reeds | TK ON trunk |
| DE In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

11 MAY 2007

ENTRICKED 110 08588

SIIS - Uvornal nesp - Kidge.



Herpetofauna Survey Proforma

| | |
|------------|---------|
| Project #: | 444-7 |
| Observer: | mJ Romm |
| Date: | 19/4/07 |

| | | |
|----------------------------|--|----------------------|
| Location and timing | Start | Finish |
| AMG Zone: | Easting <u>289545</u> | Easting <u> </u> |
| <u>APT. 113</u> | Northing <u>6192878</u> | Northing <u> </u> |
| Map sheet Name: | Map sheet number: <u> </u> | LGA: <u> </u> |
| Location description: | <u>West of Lakes track ridge, rocky outcrops</u> <u>guess (RVS)</u> | |

| | |
|-------------------------------|---|
| Survey Details | |
| Number of surveyors? <u>2</u> | Total effort (person hours)? <u>0.5hr</u> |
| Number of hectares covered? | Person analysing calls? |

| | |
|---------------------------------------|----------------|
| Weather at start of survey | |
| Cloud cover: <u>7/8</u> | Moon: <u>0</u> |
| Wind Direction and speed: <u>N 10</u> | Rain: <u>0</u> |
| Temperature (°C): <u>21</u> | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=Nonc, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-----------------------------|----------------------------|-------------------------------|--|
| Observation types | | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching | |
| W Heard call | D Dog kill | Z In raptor/owl pellet | |
| X In scat | C Cat kill | M Miscellaneous | |
| T Trapped or netted | V Fox kill | E Nest or roost | |
| II Hair or feathers | S Shot | Y Bones or teeth | |
| A Stranded/beached | I Indirect evidence | N Not located | |
| K Dead | P Scat | B Burnt | |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat Type | | |
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire darn | IR In reeds | TK ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FB Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |



Herpetofauna Survey
Proforma

| | |
|------------|-----------|
| Project #: | 4447 |
| Observer: | KJC + DCG |
| Date: | 14/05/07 |

| | | |
|---|-------------------|-------------------|
| Location and timing MAD AMG Zone: 56 | S113 Start | Finish |
| | Easting 289545 | Easting 000000 |
| | Northing 6192878 | Northing 000000 |
| | Time (24 h): 1515 | Time (24 h): 1545 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: 65m from S114 Ridge: SE off Ince's track close to X02 intersection | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2/1 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? — |

| | |
|-----------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 6/8 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 19°C | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|--------------------|--------------------|---|-------------------|---|----------------------|
| Observation types: | | | | | |
| O | Observed (sighted) | R | Road kill | T | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Car kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Dumt |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BL | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/lire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

Herp + KOALA-SHALEWLAND 5115-Diurnal Herp - Ridge - Koala Search



Herpetofauna Survey Proforma

BIOHERP 11 MAY 2007

Project #: 4447
 Observer: MV RMM
 Date: 19/4/07

| Location and timing | Start | Finish |
|------------------------------------|---|---|
| AMG Zone: WPT 115 | Fasting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Fasting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Map sheet Name: | Time (24 h): 1400 Map sheet number: | Time (24 h): 1415 LGA: |
| Location description: SEE BELOW | | |

| Survey Details | |
|-----------------------------|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|--|---------|
| Cloud cover: 7/8 | Moon: — |
| Wind Direction and speed: — | Rain: — |
| Temperature (°C): 24° | |
| Comments: HERP SEARCH & KOALA SEARCH IN SHALEWLAND AT INTERSECTION OF RDS 6 & 6A | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following index: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|----------------------------|--------------------|----------------------------|-------------------|----------------------------|----------------------|
| <input type="checkbox"/> O | Observed (sighted) | <input type="checkbox"/> R | Road kill | <input type="checkbox"/> F | Tracks, scratching |
| <input type="checkbox"/> W | Heard call | <input type="checkbox"/> D | Dog kill | <input type="checkbox"/> Z | In raptor/owl pellet |
| <input type="checkbox"/> X | In scat | <input type="checkbox"/> C | Cat kill | <input type="checkbox"/> M | Miscellaneous |
| <input type="checkbox"/> T | Trapped or netted | <input type="checkbox"/> V | Fox kill | <input type="checkbox"/> E | Nest or roost |
| <input type="checkbox"/> H | Hair or feathers | <input type="checkbox"/> S | Shot | <input type="checkbox"/> Y | Bones or teeth |
| <input type="checkbox"/> A | Stranded/beached | <input type="checkbox"/> I | Indirect evidence | <input type="checkbox"/> N | Not located |
| <input type="checkbox"/> K | Dead | <input type="checkbox"/> P | Scat | <input type="checkbox"/> B | Burnt |

| Microhabitat Type | | | | | |
|-----------------------------|----------------------|-----------------------------|----------------|-----------------------------|---------------|
| <input type="checkbox"/> AC | Flying above canopy | <input type="checkbox"/> IB | In burrow | <input type="checkbox"/> OB | On beach sand |
| <input type="checkbox"/> BR | In/on bridge | <input type="checkbox"/> IC | In cave | <input type="checkbox"/> OL | On log |
| <input type="checkbox"/> BU | In building | <input type="checkbox"/> IG | In grass | <input type="checkbox"/> OR | On rock |
| <input type="checkbox"/> CR | Crevice in rock | <input type="checkbox"/> IH | In tree hollow | <input type="checkbox"/> OW | Over water |
| <input type="checkbox"/> CL | Crevice in log | <input type="checkbox"/> IL | In litter | <input type="checkbox"/> RD | On road |
| <input type="checkbox"/> DA | Farm/fire dam | <input type="checkbox"/> IR | In reeds | <input type="checkbox"/> TR | ON trunk |
| <input type="checkbox"/> DT | In dead tree (stag) | <input type="checkbox"/> IS | In soil | <input type="checkbox"/> UB | Under bark |
| <input type="checkbox"/> EW | Edge of water | <input type="checkbox"/> IT | In live tree | <input type="checkbox"/> UC | Upper canopy |
| <input type="checkbox"/> FC | In/on post or stump | <input type="checkbox"/> IW | In water | <input type="checkbox"/> UG | Undergrowth |
| <input type="checkbox"/> FL | Flying within canopy | <input type="checkbox"/> LC | Lower canopy | <input type="checkbox"/> UL | Under log |
| <input type="checkbox"/> GR | On ground | <input type="checkbox"/> LS | Low shrub | <input type="checkbox"/> UR | Under rock |
| <input type="checkbox"/> HS | High shrub | <input type="checkbox"/> MC | Mid canopy | <input type="checkbox"/> WH | Waterhole |

* Need E/N from server *

Dinner! Herp - Ridge
Rep # 2



Herpetofauna Survey Proforma

| | |
|-------------------|-----------|
| Project #: | 44117 |
| Observer: | KJC + PCG |
| Date: | 13/05/07 |

| | | | |
|---|-------------------|-------------------------------------|--|
| Location and timing: | S119 | Start | Finish |
| MAG AMG Zone: 56 | Easting | <input type="text" value="070000"/> | Easting <input type="text" value="080000"/> |
| | Northing | <input type="text" value="030000"/> | Northing <input type="text" value="020000"/> |
| | Time (24 h): | 10:30 | Time (24 h): 10:45 |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: | | | |
| Of 6/6a Intersection Do not use as monitoring site. lots of leaf litter + logs No rats Some anthropogenic waste | | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? — |

| | |
|-----------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: — |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|--------------------------|--------------------|----------|-------------------|-----------|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | DL | Not located |
| K | Dead | P | Scat | B | Burnt |

| | | | | | |
|--------------------------|----------------------|-----------|----------------|-----------|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | QB | On beach sand |
| BR | In/on bridge | IC | In cave | QL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | On trunk |
| DI | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| EG | In/on post or stump | IW | In water | UG | Undergrowth |
| EL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

ENTERED 1 MAY 2007

GPS 18 Koonle rd
5116 - Diurnal Hesp - Ridge



Herpetofauna Survey Proforma

Project #: 447
Observer: M. R. M.
Date: 17/4/07

| Location and timing | Start | Finish |
|---|--------------------|--------------------|
| AMG Zone: | Easting 270071 | Easting |
| WPT 116 | Northing 6190456 | Northing |
| | Time (24 h): 14:35 | Time (24 h): 14:50 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: ridge hesp survey road 6A adjacent to cut away lake, riding. | | |

Survey Details:

| | |
|-----------------------------|-------------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 hr |
| Number of hectares covered? | Person analysing calls? |

Weather at start of survey

| | |
|-------------------------------|---------|
| Cloud cover: 1/8 | Moon: 0 |
| Wind Direction and speed: N 0 | Rain: 0 |
| Temperature (°C): 21° | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 - None, 1 - 1/8 Moon, 2 - 1/4, 3 - 3/8, 4 - Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 - light, leaves rustle, 2 = moderate, branches move, 3 - strong, tops of trees move.

Observation types

| | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | T : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | N : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Indirect evidence | U : Not located |
| K : Dead | P : Scat | B : Burnt |

Microhabitat type

| | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CR : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Farm/fire dam | IR : In reeds | TR : ON trunk |
| DI : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |



Herpetofauna Survey Proforma

Ridge site: 2nd replicate

| |
|-----------------------|
| Project #: 4447 |
| Observer: RMH, TP, JZ |
| Date: 16-5-07 |

| | | |
|---|--------------------|----------------------------|
| Location and timing: | Start 5116 | Finish |
| MGA Zone: | Easting 011707 | Easting 011807 |
| | Northing 111111 | Northing 111111 |
| | Time (24 h): 16:15 | Time (24 h): 16:25 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Rock outcrop west of Fire Rd 6A, just south of cages 16. | | |

| | |
|-----------------------------|------------------------------------|
| Survey Details | |
| Number of surveyors? 3 | Total effort (person hours)? 0.5hr |
| Number of hectares covered? | Person analysing calls? |

| | |
|---------------------------------|----------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: -- |
| Wind Direction and speed: still | Rain: -- |
| Temperature (°C): warm | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------|----------------------|-------------------------|
| Observation types | | |
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | E: Nest or roost |
| H: Hair or feathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | I: Fossil/sub-fossil | N: Not located |

| | | |
|--------------------------|--------------------|-------------------|
| Microhabitat Type | | |
| AC: Flying above canopy | IB: In burrow | OB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| DA: Farm/fire dam | IR: In reeds | TK: ON trunk |
| DE: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| FC: In/on post or stump | IW: In water | UG: Undergrowth |
| FE: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |



Herpetofauna Survey Proforma

11 MAY 2007

S117 - Durnal Heip - Ridge

Project #: 4447
 Observer: MV RSM
 Date: 19/4/07

| Location and timing | Start | Finish |
|--|---------------------------|---------------------------|
| AMG Zone: <u>OPS#8</u> | Easting <u>0289800</u> | Easting <u> </u> |
| <u>wp: 117</u> | Northing <u>5190807</u> | Northing <u> </u> |
| | Time (24 h): <u>15:15</u> | Time (24 h): <u>15:30</u> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>ON GA ADVICE TO RAIL CUTTING</u> | | |

| Survey Details | |
|-------------------------------|---|
| Number of surveyors? <u>2</u> | Total effort (person hours)? <u>0.5</u> |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|------------------------------------|----------------|
| Cloud cover: <u>7/8</u> | Moon: <u>-</u> |
| Wind Direction and speed: <u>-</u> | Rain: <u>-</u> |
| Temperature (°C): <u>24°</u> | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-----------------------------|----------------------------|-------------------------------|--|
| O Observed (sighted) | R Road kill | E Tracks, scratching | |
| W Heard call | D Dog kill | Z In raptor/owl pellet | |
| X In scat | C Cat kill | M Miscellaneous | |
| J Trapped or netted | V Fox kill | N Nest or roost | |
| H Hair or feathers | S Shot | Y Bones or teeth | |
| A Stranded/beached | I Indirect evidence | N Not located | |
| K Dead | P Scat | B Burnt | |

| Microhabitat Types | | | |
|--------------------------------|--------------------------|-------------------------|--|
| AC Flying above canopy | IB In burrow | QB On beach sand | |
| BR In/on bridge | IC In cave | OL On log | |
| BU In building | IG In grass | OR On rock | |
| CK Crevice in rock | IH In tree hollow | OW Over water | |
| CL Crevice in log | IL In litter | RD On road | |
| DA Farm/tire dam | IR In reeds | TK ON trunk | |
| DT In dead tree (stag) | IS In soil | UB Under bark | |
| EW Edge of water | IT In live tree | UC Upper canopy | |
| FC In/on post or stump | IW In water | UG Undergrowth | |
| FL Flying within canopy | LC Lower canopy | UL Under log | |
| GR On ground | LS Low shrub | UR Under rock | |
| HS High shrub | MC Mid canopy | WH Waterhole | |

19 JUN 2007

ENTERED
183



BIOSIS

Herpetofauna Survey
Proforma

Project #: 4447
Observer: J, RMM, TP.
Date: 16.5.07

Ridge site: 2nd replicate

| Location and timing | Start | Finish |
|--|--------------------|--------------------|
| MGA Zone: | Easting 517000 | Easting 778000 |
| | Northing 000000 | Northing 009000 |
| | Time (24 h): 15:52 | Time (24 h): 16:02 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: Rock outcrop just west of Fire Rd 6A, above railway intersection. | | |

| Survey Details | |
|-----------------------------|-------------------------------------|
| Number of surveyors? 3 | Total effort (person hours)? 0.5 hr |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|---------------------------------|---------|
| Cloud cover: 0/8 | Moon: — |
| Wind Direction and speed: still | Rain: — |
| Temperature (°C): Warm | |
| Comments: | |

Cloud cover: Record cover in eighths of sky
Moon: Record using the following codes: 0= None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | B | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | OD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DE | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

11 MAY 2007

ENTERED

S118 - Diurnal Herp - Ridge



Herpetofauna Survey
Proforma

Project #: 4447
Observer: FNV Rmm
Date: 19/4/07

| Location and timing | Start | Finish |
|-----------------------|--------------------|--------------------|
| AMG Zone: | Easting 289903 | Easting |
| 118 | Northing 6193874 | Northing |
| | Time (24 h): 15:35 | Time (24 h): 15:50 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: | | |

| Survey Details | |
|-----------------------------|---------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 05 |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|----------------------------|-------|
| Cloud cover: | Moon: |
| Wind Direction and speed: | Rain: |
| Temperature (°C): | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = 1/8 Moon, 2 = 1/4, 3 = 3/8, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-----------------------|----------------------|-------------------------|
| O: Observed (sighted) | R: Road kill | T: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | E: Nest or roost |
| H: Hair or feathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | I: Indirect evidence | N: Not located |
| K: Dead | P: Scat | B: Burnt |

| Microhabitat Type | | |
|--------------------------|--------------------|-------------------|
| AC: Flying above canopy | IB: In burrow | OB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| DA: Farm/fire dam | IR: In reeds | TK: ON trunk |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| IC: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Watheole |



ENTERED
179

**Herpetofauna Survey
Proforma**

Replicate 2 - ridge site.

| |
|-----------------------|
| Project #: 4447 |
| Observer: RMM, JC, KS |
| Date: 9-5-07 |

| | | |
|---|-------------------------------|-------------------------------|
| Location and timing: | Start 5:18 (aps8) | Finish |
| MGA Zone: | Easting <input type="text"/> | Easting <input type="text"/> |
| | Northing <input type="text"/> | Northing <input type="text"/> |
| | Time (24 h): 12:55 | Time (24 h): 13:05 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Luke's Track (ridge site) - near call playback site. | | |

| | |
|-----------------------------|-------------------------------------|
| Survey Details: | |
| Number of surveyors? 3 | Total effort (person hours)? 0.5 hr |
| Number of hectares covered? | Person analysing calls? |

| | |
|--------------------------------|----------------------------|
| Weather at start of survey: | |
| Cloud cover: 8/8 | Moon: - |
| Wind Direction and speed: SW 1 | Rain: Very light sprinkle. |
| Temperature (°C): Mild | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------------------|------------------------------|---------------------------------|--|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching | |
| W : Heard call | D : Dog kill | A : In raptor/owl pellet | |
| X : In scat | C : Cat kill | M : Miscellaneous | |
| T : Trapped or netted | Y : Fox kill | E : Nest or roost | |
| H : Hair or feathers | S : Shot | B : Bones or teeth | |
| A : Stranded/beached | F : Fossil/sub-fossil | N : Not located | |

| Microhabitat type | | | |
|----------------------------------|----------------------------|---------------------------|--|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand | |
| BR : In/on bridge | IC : In cave | OL : On log | |
| BV : In building | IG : In grass | OR : On rock | |
| CR : Crevice in rock | IH : In tree hollow | OW : Over water | |
| CL : Crevice in log | IL : In litter | RD : On road | |
| DA : Farm/fire dam | IR : In reeds | TR : On trunk | |
| DT : In dead tree (snag) | IS : In soil | UB : Under bark | |
| EW : Edge of water | IT : In live tree | UC : Upper canopy | |
| FC : In/on post or stump | IW : In water | UG : Undergrowth | |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log | |
| GR : On ground | LS : Low shrub | UR : Under rock | |
| HS : High shrub | MC : Mid canopy | WH : Waterhole | |

11 MAY 2007

5120-Durnal Hesp - Ridge
Ridge Hesp



Herpetofauna Survey
Proforma

ENTERED
15

| | |
|------------|----------|
| Project #: | 447 |
| Observer: | M J Ryan |
| Date: | 20/4/07 |

| Location and timing | Start | Finish |
|---------------------|--------------------|--------------------|
| AMG Zone: | Easting 29107412 | Easting 1100070 |
| 08/120 | Northing 6094254 | Northing 7000000 |
| | Time (24 h): 10:50 | Time (24 h): 11:05 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description: East of Mangawhiri creek, on edge of park opposite side to H9 up

| Survey Details | |
|-----------------------------|------------------------------|
| Number of surveyors? | Total effort (person hours)? |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|----------------------------|-------|
| Cloud cover: | Moon: |
| Wind Direction and speed: | Rain: |
| Temperature (°C): | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = lgh., leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Hearl call | D | Dog kill |
| X | In scat | C | Car kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Indirect evidence |
| K | Dead | P | Scat |
| | | F | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | E | Nest or roost |
| | | Y | Bones or teeth |
| | | N | Not located |
| | | B | Burnt |

| Microhabitat Type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DF | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LA | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TR | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

ENTERED

BIOSIS

**Herpetofauna Survey
Proforma**

Replicate 2 - ridge site.

Project #: 4447

Observer: KS, RMM, JC

Date: 10.5.07

| | | |
|---|--|--|
| Location and timing: | Start S120 | Finish |
| MGA Zone: | Easting <input type="text" value="□□□□□□"/> | Easting <input type="text" value="□□□□□□"/> |
| | Northing <input type="text" value="□□□□□□"/> | Northing <input type="text" value="□□□□□□"/> |
| | Time (24 h): 12:35 | Time (24 h): 12:45 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Rocky mound/outcrop on east bank of Wangawilli Creek, opposite S119, access from 204. | | |

| | |
|-----------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 3 | Total effort (person hours)? 0.5 |
| Number of hectares covered? | Person analysing calls? |

| | |
|-----------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 3/8 | Moon: — |
| Wind Direction and speed: Still | Rain: — |
| Temperature (°C): Mild | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0= None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------------------|------------------------------|---------------------------------|--|
| Observation types | | | |
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching | |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet | |
| X : In scat | C : Cat kill | M : Miscellaneous | |
| T : Trapped or netted | V : Fox kill | E : Nest or roost | |
| H : Hair or feathers | S : Shot | Y : Bones or teeth | |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located | |

| | | | |
|----------------------------------|----------------------------|---------------------------|--|
| Microhabitat Type | | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand | |
| BR : In/on bridge | IC : In cave | OL : On log | |
| BU : In building | IG : In grass | OR : On rock | |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water | |
| CE : Crevice in log | IL : In litter | OD : On road | |
| DA : Farm/fire dam | IR : In reeds | TK : ON trunk | |
| DT : In dead tree (stag) | IS : In soil | TB : Under bark | |
| EW : Edge of water | IT : In live tree | UC : Upper canopy | |
| FC : In/on post or stump | IW : In water | UG : Undergrowth | |
| FL : Flying within canopy | LG : Lower canopy | UL : Under log | |
| GR : On ground | LS : Low shrub | UR : Under rock | |
| HS : High shrub | MC : Mid canopy | WH : Waterhole | |

11 MAY 2007



Herpetofauna Survey Proforma

RIDGE

ENTERED

S121- Durnal Herp- Ridge
RIDGE

Project #: 4447
Observer: MV Rmm
Date: 20/4/07

| Location and timing | Start | Finish |
|--|--------------------|--------------------|
| AMG Zone: | Easting 288775 | Easting 000000 |
| WPT (Z-1) | Northing 6190187 | Northing 000000 |
| | Time (24 h): 15:30 | Time (24 h): 15:45 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: up hill from P20 on track to Alan west | | |

Survey Details:

| | |
|-----------------------------|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? | Person analysing calls? |

Weather at start of survey

| | |
|-----------------------------|---------|
| Cloud cover: 0 | Moon: 0 |
| Wind Direction and speed: 2 | Rain: 0 |
| Temperature (°C): 21 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3= ¾, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | J Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | B Bones or teeth |
| A Stranded/beached | I Indirect evidence | N Not located |
| K Dead | P Scat | B Burnt |

Microhabitat Type:

| | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TR ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IL In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |



Herpetofauna Survey
Proforma

Project #: 4447
Observer: JC, RMH, TP, MS
Date: 15-5-07

Ridge site: Replicate 2

| Location and timing | Start S121 | Finish |
|---------------------|-------------------------------|-------------------------------------|
| MGA Zone: | Easting <input type="text"/> | Easting <input type="text"/> |
| | Northing <input type="text"/> | Northing <input type="text"/> |
| | Time (24 h): 12:19 | Time (24 h): 12:19 12:39 |
| Map sheet Name: | Map sheet number: | LGA: |

20mins
x 4

Location description:

Down steep track from 6A that heads towards Lake Avon.

| Survey Details | |
|-----------------------------|---|
| Number of surveyors? 4 | Total effort (person hours)? 40mins 40mins |
| Number of hectares covered? | Person analysing calls? |

(6mins extra)
80mins
(we got a bit carried away!)

| Weather at start of survey | |
|---------------------------------|---------|
| Cloud cover: 1/8 | Moon: — |
| Wind Direction and speed: Still | Rain: — |
| Temperature (°C): Warm-hot | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | L Fossil/sub-fossil | N Not located |

| Microhabitat Type | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TK ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

11 MAY 2007

ENTERED 135 - Diurnal Herp - RIDGE



Herpetofauna Survey
Proforma

Project #: 40-47
Observer: KJC Boern
Date: 22/4/07

GPS

| | | |
|----------------------------|--------------------|--------------------|
| Location and timing | Start | Finish |
| AMG Zone: 56 GPS 8 | Easting 792125 | Easting 770000 |
| WPT 135 | Northing 609406 | Northing 000000 |
| | Time (24 h): 10:30 | Time (24 h): 10:45 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:
 print → 5m to west of BF
 Reptile site is on ridge running N → S and contains both East facing slope into Swamp 15, and West slope into Wangahills

| | |
|-----------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? | Person analysing calls? |

| | |
|-----------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 100% | Moon: 0 |
| Wind Direction and speed: 7 | Rain: 0 |
| Temperature (°C): | |
| Comments: Excellent site | |

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rattle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------------------|------------------------------|---------------------------------|--|
| Observation types | | | |
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching | |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet | |
| X : In scat | C : Cat kill | M : Miscellaneous | |
| T : Trapped or netted | V : Fox kill | N : Nest or roost | |
| H : Hair or feathers | S : Shot | Y : Bones or teeth | |
| A : Stranded/beached | I : Indirect evidence | L : Not located | |
| K : Dead | P : Scat | B : Burnt | |

| | | | |
|----------------------------------|----------------------------|---------------------------|--|
| Microhabitat Types | | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand | |
| BR : In/on bridge | IC : In cave | OL : On log | |
| BU : In building | IG : In grass | OR : On rock | |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water | |
| CL : Crevice in log | IL : In litter | RD : On road | |
| DA : Farm/fire dam | IR : In reeds | TK : ON trunk | |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark | |
| EW : Edge of water | IT : In live tree | UC : Upper canopy | |
| FC : In/on post or stump | IW : In water | LG : Undergrowth | |
| FL : Flying within canopy | LD : Lower canopy | UL : Under log | |
| GR : On ground | LS : Low shrub | UR : Under rock | |
| HS : High shrub | MG : Mid canopy | WH : Waterhole | |



Herpetofauna Survey Proforma

ENTERED
190

S135 Journal Repts - Ridge
Rep #2

Project #: 4447
Observer: KJC + DCG
Date: 8/05/07

| | | |
|---|--------------------|-------------------------------|
| Location and timing | S307 Start | Finish |
| MCA AMG Zone: 56 | Easting 2912126 | Easting <input type="text"/> |
| | Northing 61191132 | Northing <input type="text"/> |
| | Time (24 h): 15-40 | Time (24 h): 15-55 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: on bf at sthern end of study area | | |

| | |
|-----------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? | Person analysing calls? - |

| | |
|-----------------------------|----------|
| Weather at start of survey | |
| Cloud cover: 6/8 | Moon: ? |
| Wind Direction and speed: - | Rain: No |
| Temperature (°C): 22 °C | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1=1/8 Moon, 2=1/4, 3=3/8, 4=Full

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Indirect evidence |
| K | Dead | P | Scat |
| F | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | E | Nest or roost |
| N | Not located | Y | Bones or teeth |
| B | Burnt | | |

| | | | |
|-------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BB | In/on bridge | IC | In cave |
| BC | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | OR | On rock |
| OL | On log | OW | Over water |
| RD | On road | TR | On trunk |
| UB | Under bark | UC | Undergrowth |
| UL | Under log | UR | Under rock |
| WH | Waterhole | | |

11 MAY 2007 **ENTERED** 22 37 - Diurnal Herp - Ridge
RIDGE



Herpetofauna Survey Proforma

Project #: 447
 Observer: RMM VSC
 Date: 27/04/07

| | | | |
|---|--------------------|-----------------------------------|---------------|
| Location and timing | | Start | Finish |
| AMG Zone: 56 GPS | Easting: 212137 | Easting: [] [] [] [] [] | |
| UPT 137 | Northing: 6192282 | Northing: [] [] [] [] [] [] | |
| | Time (24 h): 11.07 | Time (24 h): 11.22 | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: point off 6E, NE of 6E, west facing slope, large outcrop of bedrock, crevices and fissures. | | | |

| | |
|-----------------------------|-------------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 hr |
| Number of hectares covered? | Person analysing calls? |

| | |
|-----------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 100% | Moon: 0 |
| Wind Direction and speed: Nil | Rain: 0 |
| Temperature (°C): 10° | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|--------------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | E | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | F | Scat | B | Burnt |

| | | | | | |
|--------------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevise in rock | IH | In tree hollow | OW | Over water |
| CL | Crevise in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FL | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |



Herpetofauna Survey Proforma

ENTERED
19

Unusual Herp - Ridge
Rep # 2

| | |
|------------|-----------|
| Project #: | 4447 |
| Observer: | Krc + DLG |
| Date: | 8/05/07 |

| | | | |
|-----------------------------|--|-------------------|--------------------|
| Location and timing: | S308 | Start | Finish |
| MGA AMG Zone: 56 | Easting | 292141 | Easting |
| | Northing | 6192304 | Northing |
| Map sheet Name: | Time (24 h): 16:05 | Map sheet number: | Time (24 h): 16:20 |
| Location description: | on bF near seismic line which leads to S193 | | |
| | LGA: | | |

| | | |
|-----------------------|-----------------------------|----------------------------------|
| Survey Details | Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| | Number of hectares covered? | Person analysing calls? - |

| | | |
|------------------------------------|-----------------------------|-----------|
| Weather at start of survey: | Cloud cover: 6/8 | Moon: - |
| | Wind Direction and speed: - | Rain: Nil |
| | Temperature (°C): 22 | |
| Comments: | | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|----------------------------|-----------------------------|-------------------------------|-----------------------------|
| Observation types | O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet | |
| X In scat | C Cat kill | M Miscellaneous | |
| T Trapped or netted | V Fox kill | B Nest or roost | |
| H Hair or feathers | S Shot | Y Bones or teeth | |
| A Stranded/beached | I Indirect evidence | N Not located | |
| K Dead | P Scat | B Burnt | |

| | | | |
|--------------------------------|-------------------------------|------------------------|-------------------------|
| Microhabitat Type | AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log | |
| BU In building | IG In grass | OR On rock | |
| CK Crevice in rock | IH In tree hollow | OW Over water | |
| CL Crevice in log | IL In litter | RD On road | |
| DA Faun/fire dam | IR In reeds | TK ON trunk | |
| DT In dead tree (stag) | IS In soil | UB Under bark | |
| DW Edge of water | IT In live tree | UC Upper canopy | |
| EC In/on post or stump | IW In water | UG Undergrowth | |
| FL Flying within canopy | LC Lower canopy | UL Under log | |
| GR On ground | LS Low shrub | UR Under rock | |
| HS High shrub | MC Mid canopy | WH Waterhole | |

11 MAY 2007

ENTERED

S138 - Diurnal Reptile Search - Ridge



Herpetofauna Survey Proforma

Project #: 4447

Observer: KJC + Rmm

Date: 27/10/07

| | | | |
|--|-------------------|---------|--------------------|
| Location and timing | WPT=138 | Start | Finish |
| MGA Zone: 56 GPS#8 | Fasting | 291869 | Fasting |
| WPT 138 | Northing | 6193550 | Northing |
| | Time (24 h): | 12.13 | Time (24 h): 12.28 |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: R/O 10 to W off bf - near bf/bk intersection NE, S, SE facing slopes. large crevices, flowers + scattered rock. 0-15 cliff at southern side of site - overlooking bangawalla | | | |

| | |
|-------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 1 | Total effort (person hours)? 0.5 |
| Number of hectares covered? — | Person analysing calls? — |

| | |
|-----------------------------------|----------------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: cant see |
| Wind Direction and speed: 0 | Rain: (1) |
| Temperature (°C): MLD | Comments: |
| collected 2 scats. | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2, 3=3/4, 4=Full

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|--------------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| H | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | Y | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Indirect evidence |
| K | Dead | P | Scat |
| F | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | L | Nest or roost |
| B | Bones or teeth | N | Not located |
| B | Burnt | | |

| | | | |
|--------------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevise in rock | IH | In tree hollow |
| CL | Crevise in log | IL | In litter |
| DA | Farm/fire dam | IR | In rocks |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| GS | High shrub | MC | Mid canopy |
| OB | On beach sand | OR | On rock |
| OL | On log | OW | Over water |
| OD | On road | OT | On trunk |
| UB | Under bark | UC | Upper canopy |
| UG | Undergrowth | UL | Under log |
| UR | Under rock | WH | Waterhole |

Diurnal Hesp - Ridge
Rep # 2



Herpetofauna Survey Proforma

Project #: 4447
 Observer: KJC + DEG
 Date: 8/05/07

| | | |
|--|--------------------------|----------------------------|
| Location and timing | <u>S303</u> Start | Finish |
| <u>66A</u> AMG Zone: <u>56</u> | Easting <u>291877</u> | Easting <u> </u> |
| | Northing <u>61193582</u> | Northing <u> </u> |
| | Time (24 h): | Time (24 h): |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>on bf near intersection of 6F/6K</u> | | |

| | |
|---|---|
| Survey Details | |
| Number of surveyors? <u>2</u> | Total effort (person hours)? <u>0.5</u> |
| Number of hectares covered? <u> </u> | Person analysing calls? <u>—</u> |

| | |
|------------------------------------|------------------|
| Weather at start of survey | |
| Cloud cover: <u>7/8</u> | Moon: <u>?</u> |
| Wind Direction and speed: <u>0</u> | Rain: <u>not</u> |
| Temperature (°C): <u>22.0</u> | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-----------------------------|----------------------------|-------------------------------|--|
| Observation types | | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching | |
| W Heard call | D Dog kill | Z In raptor/owl pellet | |
| X In scat | C Car kill | M Miscellaneous | |
| T Trapped or netted | V Fox kill | N Nest or roost | |
| H Hair or feathers | S Shot | B Bones or teeth | |
| A Stranded/beached | E Indirect evidence | Y Not located | |
| K Dead | P Scat | X Burnt | |

| | | | |
|--------------------------------|--------------------------|-------------------------|--|
| Micrabitat Type | | | |
| AC Flying above canopy | IB In burrow | OB On beach sand | |
| BB In/on bridge | IC In cave | OL On log | |
| BC In building | IG In grass | OR On rock | |
| CC Crevice in rock | IU In tree hollow | OW Over water | |
| CL Crevice in log | IL In litter | RD On road | |
| DA Farm/fire dam | IR In reeds | TK ON trunk | |
| DI In dead tree (stag) | IS In soil | UB Under bark | |
| EW Edge of water | IT In live tree | UC Upper canopy | |
| FC In/on post or stump | IW In water | UG Undergrowth | |
| FL Flying within canopy | LC Lower canopy | UL Under log | |
| GR On ground | LS Low shrub | UR Under rock | |
| HS High shrub | MC Mid canopy | WH Waterhole | |

19 JUN 2007

Durnal Hesp's - Edge.
Rep # 2

Herpetofauna Survey

Proforma

ENTERED
168

Project #: 44117

Observer: KJC + DCG

Date: 9/05/07

| | | |
|--|--------------------|--------------------|
| Location and timing AMC Zone: 56. | Start | Finish |
| | Easting 2192072 | Easting 706800 |
| | Northing 6195453 | Northing 2291111 |
| | Time (24 h): 14.05 | Time (24 h): 14.20 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: On bf near transmission line. NW facing slope | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? — |
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: — |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 22 | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2, 3=3/4, 4=Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | B | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Burnt |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

ENTERED 11 MAY 2007

S143-Diurnal Herp-Ridge



Herpetofauna Survey
Proforma

Project #: 4447
Observer: KJC + RMM
Date: 22/04/07

| Location and timing | | Start | Finish |
|--|-------------------|--------------------|--------------------|
| MGA AMG Zone: 56 GPS # 8 | | Easting 292730 | Easting 310000 |
| APT 143 | | Northing 619709 | Northing 600000 |
| | | Time (24 h): 14:00 | Time (24 h): 14:15 |
| Map sheet Name: | Map sheet number: | LGA: - | |
| Location description: West facing slope, forest on bc collected 3 scats | | | |

guess (RMS)

| Survey Details | |
|-------------------------------|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? - | Person analysing calls? - |

| Weather at start of survey | |
|----------------------------|---------|
| Cloud cover: 3/8 | Moon: - |
| Wind Direction and speed: | Rain: |
| Temperature (°C): | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Indirect evidence |
| K | Dead | P | Scat |
| F | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | E | Nest or roost |
| Y | Bones or teeth | N | Not located |
| B | Burnt | | |

| Microhabitat Type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | OL | On log |
| OR | On rock | OW | Over water |
| RD | On road | TR | On trunk |
| UB | Under bark | UC | Upper canopy |
| UG | Undergrowth | UL | Under log |
| UR | Under rock | WH | Waterhole |

19 JUN 2007

Diurnal herps - Ridge
Rep #2



Herpetofauna Survey
Proforma

Project #: 4447
Observer: KJC + DCG
Date: 9/5/07

ENTERED

| | | | |
|--|-------------------|---------|--------------------|
| Location and timing: | S143 | Start | Finish |
| NCA AMG Zone: 56 | Easting | 292722 | Fasting |
| | Northing | 6197023 | Northing |
| | Time (24 h): | 14:30 | Time (24 h): 14:45 |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: on 6c at northern end of study area | | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? |

| | |
|------------------------------------|----------|
| Weather at start of survey: | |
| Cloud cover: 8/8 | Moon: |
| Wind Direction and speed: 0 | Rain: NV |
| Temperature (°C): 22 °C | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-------------------|--------------------|-------------------------------|
| O | Observed (sighted) | R Road kill |
| W | Heard call | D Dog kill |
| X | In scat | C Cat kill |
| T | Trapped or netted | V Fox kill |
| H | Hair or feathers | S Shot |
| A | Stranded/beached | I Indirect evidence |
| K | Dead | P Scat |
| F | Tracks, scratching | Z In raptor/owl pellet |
| M | Miscellaneous | N Not located |
| E | Nest or roost | B Burnt |
| Y | Bones or teeth | |

| Microhabitat Type | | |
|-------------------|----------------------|--------------------------|
| AC | Flying above canopy | UB In burrow |
| BR | In/on bridge | IC In cave |
| BU | In building | IG In grass |
| CK | Crevise in rock | TH In tree hollow |
| CL | Crevise in log | IL In litter |
| DA | Farm/fire dam | IR In reeds |
| DT | In dead tree (stag) | IS In soil |
| EW | Edge of water | IT In live tree |
| FC | In/on post or stump | IW In water |
| FL | Flying within canopy | LC Lower canopy |
| GR | On ground | LS Low shrub |
| HS | High shrub | MC Mid canopy |
| OR | On beach sand | OB On beach sand |
| OL | On log | OR On rock |
| OW | Over water | OT On trunk |
| RD | On road | UB Under bark |
| UC | Upper canopy | UG Undergrowth |
| UL | Under log | UR Under rock |
| WH | Waterhole | |

17 MAY 2007



BIOSIS

ENTERED
125

Herpetofauna Survey
Proforma

S148 - Diurnal Hesp - Ridge

Project #: 4447

Observer: RMM, MV

Date: 23/4/07

| Location and timing | | Start | Finish |
|--|-------------------|----------|--------------------|
| AMG Zone: | Easting | 288560 | Easting 000077 |
| WPT 148 | Northing | 61192523 | Northing 000000 |
| | Time (24 h): | 12:45pm | Time (24 h): 13:00 |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: For access drive down GA to truck/trailer intersection 100m before swamp II entry. Drive down dirt track with 288546, 611925 | | | |

| Survey Details | |
|------------------------------|--------|
| Number of surveyors? | 2 |
| Total effort (person hours)? | 0.5 hr |
| Number of hectares covered? | |
| Person analysing calls? | |

| Weather at start of survey | |
|----------------------------|-----|
| Cloud cover: | 8/8 |
| Wind Direction and speed: | 2 |
| Temperature (°C): | 17° |
| Comments: | |
| Moon: | 0 |
| Rain: | 0 |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 - None, 1 - 1/2 Moon, 2 - 1/4, 3 - 3/4, 4 - Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Indirect evidence |
| K | Dead | P | Scat |
| | | F | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | N | Nest or roost |
| | | B | Bones or teeth |
| | | N | Not located |
| | | B | Burnt |

| Microhabitat Type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RB | On road |
| | | TK | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

19 JUN 2007

ENTERED
182

BIOSIS

Herpetofauna Survey Proforma

Ridgesite: 2nd replicate

Project #: 4447

Observer: JC + RMM

Date: 13.5.07

| | | | |
|---|-------------------|--------|--------------------|
| Location and timing | Start | 5148 | Finish |
| MGA Zone: | Easting | □□□□□ | Easting |
| | Northing | □□□□□□ | Northing |
| | Time (24 h): | 13:07 | Time (24 h): 13:22 |
| Map sheet Name: | Map sheet number: | | LGA: |
| Location description: Rocky out crop along track adjacent (north) of Swamp 11. | | | |

| | | | |
|-----------------------------|---|------------------------------|--------|
| Survey Details | | | |
| Number of surveyors? | 2 | Total effort (person hours)? | 0.5 hr |
| Number of hectares covered? | | Person analysing calls? | |

| | | | |
|----------------------------|-------|-------|---|
| Weather at start of survey | | | |
| Cloud cover: | 7/8 | Moon: | ☾ |
| Wind direction and speed: | still | Rain: | |
| Temperature (°C): | Mild | | |
| Comments: | | | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| F | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | E | Nest or roost |
| Y | Bones or teeth | N | Not located |

| | | | |
|-------------------|----------------------|----|----------------|
| Microhabitat type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevices in rock | IH | In tree hollow |
| CL | Crevices in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GE | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | OR | On rock |
| OL | On log | OW | Over water |
| OD | On road | RD | On road |
| OT | On trunk | TK | On trunk |
| UB | Under bark | UC | Upper canopy |
| UG | Undergrowth | UL | Under log |
| UR | Under rock | UR | Under rock |
| WH | Water hole | | |

11 MAY 2007 **ENTERED** 5158 - Divinal Heaps - Kidge



Herpetofauna Survey Proforma

Project #: 4447
 Observer: MV RMM
 Date: 18/4/07

| Location and timing | Start | Finish |
|--|--|---|
| AMG Zone: <u>CPS #8</u> <u>P02</u> | Easting <u>289959</u> Northing <u>6194254</u> Time (24 h): <u>1120</u> | Easting <u> </u> Northing <u> </u> Time (24 h): <u>1135</u> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>FIRST HERP POINT ON LUKES TK to west of Kidge</u> | | |

| Survey Details | |
|-------------------------------|--|
| Number of surveyors? <u>2</u> | Total effort (person hours)? <u>15</u> |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|--------------------------------------|------------------|
| Cloud cover: <u>1/8</u> | Moon: <u>---</u> |
| Wind Direction and speed: <u>---</u> | Rain: <u>---</u> |
| Temperature (°C): <u>24</u> | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------------------|------------------------------|---------------------------------|--|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching | |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet | |
| X : In scat | C : Cat kill | M : Miscellaneous | |
| T : Trapped or netted | V : Fox kill | E : Nests or roost | |
| H : Hair or feathers | S : Shot | Y : Bones or teeth | |
| A : Stranded/beached | I : Indirect evidence | N : Not located | |
| K : Dead | P : Scat | B : Burnt | |

| Microhabitat Type | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BE : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Farm/fire darn | IR : In reeds | TR : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |



Herpetofauna Survey Proforma

Project #: 4447

Observer: RMM + KS

Replicate 2 - ridge site.

Date: 9.5.07

| | | | |
|---|-------------------|-------------------------|--------------------|
| Location and timing | | Start 5:58 (GPS) | Finish |
| MGA Zone: | Easting | UJ0000 | Easting UJ0000 |
| | Northing | 000000 | Northing 000000 |
| | Time (24 h): | 11:20 | Time (24 h): 11:35 |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Luke's Track (ridge site). | | | |

| | | | |
|-----------------------------|---|------------------------------|--------|
| Survey Details | | | |
| Number of surveyors? | 2 | Total effort (person hours)? | 0.5 hr |
| Number of hectares covered? | | Person analysing calls? | |

| | |
|-----------------------------------|------------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: - |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): Mild | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - ¼ Moon, 2 - ½ Moon, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | |
|--------------------------|--------------------|-------------------------------|
| O | Observed (sighted) | R Road kill |
| W | Heard call | D Dog kill |
| X | In scat | C Cat kill |
| T | Trapped or netted | V Fox kill |
| H | Hair or feathers | S Shot |
| A | Stranded/beached | F Fossil/sub-fossil |
| P | Tracks, scratching | Z In raptor/owl pellet |
| M | Miscellaneous | E Nest or roost |
| B | Bones or teeth | N Not located |

| Microhabitat type | | | | | |
|--------------------------|----------------------|-----------|----------------|-----------|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

11 MAY 2007 ENTERED 108 S159 - Diurnal Herps - Ridge



Herpetofauna Survey Proforma

Project #: 447
 Observer: MV Rmm
 Date: 18/4/07

| Location and timing | Start | Finish |
|--|------------------------------------|-------------------------------------|
| AMG Zone: APS# 8 P03 | Easting 289882 Northing 6193874 | Easting 388300- Northing 7228000 |
| | Time (24 h): 11:58 | Time (24 h): 12:13 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: East of weed track | | |

| Survey Details | |
|-----------------------------|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? | Person analysing calls? 1 |

| Weather at start of survey | |
|--|---------|
| Cloud cover: 1/8 | Moon: - |
| Wind Direction and speed: - | Rain: - |
| Temperature (°C): 24°C | |
| Comments: - walk east of track along ridge up above the overhang | |

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2, 3=3/4, 4=Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | Y | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | B | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Burnt |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CU | Crevice in log | IL | In litter | RD | On road |
| DA | Dam/fire dam | IR | In reeds | TR | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FS | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

19 JUN 2007

ENTERED
130

Herpetofauna Survey Proforma

Project #: 4447

Observer: KS, RMM, JC

Replicate 2 ridge site.

Date: 9.5.07

| Location and timing | | Start | Finish |
|---|-------------------|----------------|--------|
| MGA Zone: | Easting | 5159 (APS8) | |
| | Easting | | |
| | Northing | | |
| | Northing | | |
| | Time (24 h): | 12:35 | 12:45 |
| Map sheet Name: | Map sheet number: | ICIA: | |
| Location description: Lake's Track (ridge site) - near call playback site. | | | |

| Survey Details | |
|-----------------------------|-------------------------------------|
| Number of surveyors? 3 | Total effort (person hours)? 0.5 hr |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|---------------------------------|----------------------------|
| Cloud cover: 8/8 | Moon: - |
| Wind Direction and speed: Still | Rain: Very light sprinkle. |
| Temperature (°C): Mild | |
| Comments: | |

Cloud cover: Record cover in sights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rattle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | B | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | OB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

11 MAY 2007



BIOSIS

Herpetofauna Survey Proforma

ENTERED

S163-Durnal Herp-Ridge
RIDGE HERP

Project #: 444
 Observer: MV RM
 Date: 20/4/07

RIDGE

| Location and timing | Start | Finish |
|--|---------------------------|---------------------------|
| AMG Zone: | Easting <u>288756</u> | Easting <u> </u> |
| <u>WPT P20</u> | Northing <u>6190256</u> | Northing <u> </u> |
| | Time (24 h): <u>15:10</u> | Time (24 h): <u>15:25</u> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>WPT P20 - track down to Avon west</u> | | |

Survey Details

Number of surveyors? 2 Total effort (person hours)? 0.5
 Number of hectares covered? _____ Person analysing calls? _____

Weather at start of survey

Cloud cover: 0 Moon: 0
 Wind Direction and speed: 2 Rain: 0
 Temperature (°C): 21°

Comments:

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | T Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Indirect evidence | N Not located |
| K Dead | P Seal | B Buried |

| Microhabitat Type | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BL In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| FA Farm/fire dam | IR In reeds | TK ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| EC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GB On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |



BIOSIS

Herpetofauna Survey Proforma

Project #: 4447

Observer: RMM, JZ, ATP, MS.

Ridge site: 2nd replicate

Date: 15.5.07

| | | |
|---|-------------------------------|-------------------------------|
| Location and timing | Start 5163 | Finish |
| MGA Zone: | Easting <input type="text"/> | Easting <input type="text"/> |
| | Northing <input type="text"/> | Northing <input type="text"/> |
| | Time (24 h): 14:22 | Time (24 h): 14:35 (13 mins) |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: Down steep track from 6A that heads towards Lake Avon. | | |

| | |
|-----------------------------|--------------------------------------|
| Survey Details | |
| Number of surveyors? 4 | Total effort (person hours)? 52 mins |
| Number of hectares covered? | Person analysing calls? |

| | |
|---------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 1/8 | Moon: - |
| Wind Direction and speed: still | Rain: - |
| Temperature (°C): Hot | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0= None, 1 = 1/8 Moon, 2 = 1/4 Moon, 4 = Full.
 Wind direction and speed. Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located |

| Microhabitat Type | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CR : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/lire dam | IR : In roads | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

11 MAY 2007



BIOSIS

ENTERED
Herpetofauna Survey
Proforma

RIDGE

S-164-Herp ridge

Project #: 4447
Observer: M, RMM
Date: 20/4/07

| Location and timing | Start | Finish |
|-----------------------------|--|--|
| AMG Zone: X02 | Easting <input type="text" value="289337"/> Northing <input type="text" value="6192719"/> Time (24 h): 12:00 | Fasting <input type="text" value=" "/> Northing <input type="text" value=" "/> Time (24 h): 12:15 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Ridge | | |

guess class

| Survey Details | |
|-----------------------------|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|-----------------------------|---------|
| Cloud cover: 2/8 | Moon: 0 |
| Wind Direction and speed: 2 | Rain: 0 |
| Temperature (°C): 22° | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=Nono, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dug kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | N Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Indirect evidence | L Not located |
| K Dead | P Scat | B Burnt |

| Microhabitat Type | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | AB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TR ON trunk |
| DE In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

ENTERED
18

19 JUL 2007



BIOSIS

Herpetofauna Survey
Proforma

Replicate 2 - ridge site.

Project #: 447

Observer: JC, RMM, KS

Date: 9-5-07

| | | |
|--|-----------------------------|---------------------------|
| Location and timing | Start 5164 | Finish |
| MGA Zone: | Easting <u>100000</u> (008) | Easting <u>000000</u> |
| | Northing <u>000000</u> | Northing <u>000000</u> |
| | Time (24 h): <u>14:05</u> | Time (24 h): <u>14:15</u> |
| Map sheet Name: | Map sheet number: | TGA: |
| Location description: Luke's Track (ridge site) near X04. | | |

| | |
|-------------------------------|---|
| Survey Details | |
| Number of surveyors? <u>3</u> | Total effort (person hours)? <u>0.5hr</u> |
| Number of hectares covered? | Person analysing calls? |

| | |
|--|----------------|
| Weather at start of survey | |
| Cloud cover: <u>7/8</u> | Moon: <u>-</u> |
| Wind direction and speed: <u>still</u> | Rain: <u>-</u> |
| Temperature (°C): <u>Mild</u> | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------------|----------------------------|--------------------------------|
| Observation types | | |
| O Observed (sighted) | R Road kill | T Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owls pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | F Fox kill | N Nest or roost |
| H Hair or feathers | S Shot | B Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | L Not located |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat Type | | |
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BL In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/life dam | IR In reeds | TK ON trunk |
| DE In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |



11 MAY 2007

GPS
Waypoint
Record Sheet

S325 - Durnal herps - Ridge

| | |
|--------------|---------|
| Job Number | 44-47 |
| Date / Dates | 19/4/07 |
| GPS | 9 |
| Recorder | BJS |

ENTERED
126

Reptile Search

WP 40 291746
6194100

12pm - 12:20pm
guess
(RVS)

Large rock outcrop - searched 30m²

Small eyed snake

unknown frog species (L. citropa)

Copper-tailed skink

ridge

possibly 6F on Woyabvulla side of easement.

check to see if Mark already did this site.

ENTERED

11 MAY 2007 S268 → ?

Diurnal frog habitat - rainforest
reptile search



Herpetofauna Survey
Proforma

| |
|---------------------|
| Project #: 4447 |
| Observer: KJC + NEO |
| Date: 20/04/07 |

rainforest site

| | | |
|--|---------------------------|--|
| Location spot number: <u>W268</u> | Start GPS# <u>4</u> | Finish <u>last reception</u> |
| Zone: <u>5b</u> | Easting <u>291205</u> | Easting <u> </u> approx 60m up stream |
| | Northing <u>6191370</u> | Northing <u> </u> |
| | Time (24 h): <u>16.49</u> | Time (24 h): <u>17.19</u> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>Access park car at turn off to Swamp ISA, 600m from SW W Wongavalli creek - within the southern end of rainforest</u> | | |

| | |
|--------------------------------------|---|
| Number of surveyors? <u>2</u> | Total effort (person hours)? <u>1.0</u> |
| Number of hectares covered? <u>?</u> | Person analysing calls? <u>KJC</u> |

| | |
|------------------------------------|-----------------|
| Cloud cover: <u>0</u> | Moon: <u>-</u> |
| Wind Direction and speed: <u>0</u> | Rain: <u>NV</u> |
| Temperature (°C): <u> </u> | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=Nonc, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|---|--|---|
| <input type="checkbox"/> Observed (sighted) | <input type="checkbox"/> Road kill | <input type="checkbox"/> Tracks, scratching |
| <input type="checkbox"/> Heard call | <input type="checkbox"/> Dog kill | <input type="checkbox"/> In raptor/owl pellet |
| <input type="checkbox"/> In scat | <input type="checkbox"/> Cat kill | <input type="checkbox"/> Miscellaneous |
| <input type="checkbox"/> Trapped or netted | <input type="checkbox"/> Fox kill | <input type="checkbox"/> Nest or roost |
| <input type="checkbox"/> Hair or feathers | <input type="checkbox"/> Shot | <input type="checkbox"/> Bones or teeth |
| <input type="checkbox"/> Stranded/beached | <input type="checkbox"/> Indirect evidence | <input type="checkbox"/> Not located |
| <input type="checkbox"/> Dead | <input type="checkbox"/> Scat | <input type="checkbox"/> Burnt |

| | | |
|---|---|--|
| <input type="checkbox"/> Flying above canopy | <input type="checkbox"/> In burrow | <input type="checkbox"/> On beach sand |
| <input type="checkbox"/> In/on bridge | <input type="checkbox"/> In cave | <input type="checkbox"/> On log |
| <input type="checkbox"/> In building | <input type="checkbox"/> In grass | <input type="checkbox"/> On rock |
| <input type="checkbox"/> Crevice in rock | <input type="checkbox"/> In tree hollow | <input type="checkbox"/> Over water |
| <input type="checkbox"/> Crevice in log | <input type="checkbox"/> In litter | <input type="checkbox"/> On road |
| <input type="checkbox"/> Farm/fire dam | <input type="checkbox"/> In reeds | <input type="checkbox"/> ON trunk |
| <input type="checkbox"/> In dead tree (stag) | <input type="checkbox"/> In soil | <input type="checkbox"/> Under bark |
| <input type="checkbox"/> Edge of water | <input type="checkbox"/> In live tree | <input type="checkbox"/> Upper canopy |
| <input type="checkbox"/> In/on post or stump | <input type="checkbox"/> In water | <input type="checkbox"/> Undergrowth |
| <input type="checkbox"/> Flying within canopy | <input type="checkbox"/> Lower canopy | <input type="checkbox"/> Under log |
| <input type="checkbox"/> On ground | <input type="checkbox"/> Low shrub | <input type="checkbox"/> Under rock |
| <input type="checkbox"/> High shrub | <input type="checkbox"/> Mid canopy | <input type="checkbox"/> Waterhole |



Herpetofauna Survey Proforma

Rainforest site.

ENTERED
19/2

| |
|--------------------|
| Project #: 4447 |
| Observer: JC + RMN |
| Date: 14.5.07 |

2nd replicat
but not of same
site due to
access safety.

| | | |
|---|------------------------|-----------------------|
| Location and timing | Start 5463 | Finish |
| MGA Zone: GPS4 | Fasting 2 9 1 0 0 8 | Fasting F F E A A F F |
| | Northing 6 1 9 0 8 9 5 | Northing |
| | Time (24 h): 14:32 | Time (24 h): 14:47 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Rocky area on banks of Wongawilli Creek in rainforest. | | |

| | |
|-----------------------------|------------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5hr |
| Number of hectares covered? | Person analysing calls? |

| | |
|-----------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 4/8 | Moon: - |
| Wind Direction and speed: Still | Rain: - |
| Temperature (°C): Mild | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|--------------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | B | Road kill | E | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| | | | | | |
|--------------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | JG | In grass | OR | On rock |
| CK | Crevice in rock | JH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DI | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

1 MAY 2007



BIOSIS

Herpetofauna Survey Proforma

ENTERED / 5160 - Durnal Hesp - Swamp
 6447
 15/4/07

Project #: 6447
 Observer: MV RM
 Date: 15/4/07

RH

| Location and timing | Start | Finish |
|---|--------------------|--------------------|
| AMG Zone: POS | Easting 289347 | Easting 88855 |
| | Northing 6192784 | Northing 3300000 |
| | Time (24 h): 15:40 | Time (24 h): 15:55 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: upland swamp Lake's track | | |

| Survey Details | |
|-----------------------------|------------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5hr |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|--------------------------------|---------|
| Cloud cover: 0 | Moon: 0 |
| Wind Direction and speed: N 10 | Rain: 0 |
| Temperature (°C): 21 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1=1/8 Moon, 2=1/4, 3=3/8, 4=Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | E | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Burnt |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CR | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GF | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |



Herpetofauna Survey Proforma

Project #: 4447
 Observer: KJC + ~~MM~~
 Date: 14/5/07

| | | |
|---|---------------------------|---------------------------|
| Location and timing: | Start | Finish |
| MGA AZG Zone: <u>56</u> | Easting <u>289348</u> | Easting <u>300000</u> |
| | Northing <u>6192784</u> | Northing <u>6200000</u> |
| | Time (24 h): <u>15.15</u> | Time (24 h): <u>15.45</u> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>Upland Swamp: west off Lukes track close to X02</u> | | |

| | |
|--|---|
| Survey Details | |
| Number of surveyors? <u>1</u> | Total effort (person hours)? <u>0.5</u> |
| Number of hectares covered? <u>0.5</u> | Person analysing calls? <u>—</u> |

| | |
|------------------------------------|------------------|
| Weather at start of survey | |
| Cloud cover: <u>68</u> | Moon: <u>—</u> |
| Wind Direction and speed: <u>0</u> | Rain: <u>Nil</u> |
| Temperature (°C): <u>19°C</u> | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------------------|------------------------------|---------------------------------|--|
| Observation types | | | |
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching | |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet | |
| X : In scat | C : Cat kill | M : Miscellaneous | |
| T : Trapped or netted | V : Fox kill | N : Nest or roost | |
| H : Hair or feathers | S : Shot | B : Bones or teeth | |
| A : Stranded/beached | I : Indirect evidence | N : Not located | |
| K : Dead | P : Scat | B : Burnt | |

| | | | | | |
|----------------------------------|----------------------------|---------------------------|--|--|--|
| Microhabitat Type | | | | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand | | | |
| BR : In/on bridge | IC : In cave | OL : On log | | | |
| BC : In building | IG : In grass | OR : On rock | | | |
| CR : Crevice in rock | IH : In tree hollow | OW : Over water | | | |
| CL : Crevice in log | IL : In litter | RD : On road | | | |
| DA : Dam/fire dam | IR : In reeds | TK : ON trunk | | | |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark | | | |
| EW : Edge of water | IT : In live tree | UC : Upper canopy | | | |
| FP : In/on post or stump | IW : In water | UG : Undergrowth | | | |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log | | | |
| GR : On ground | LS : Low shrub | UR : Under rock | | | |
| HS : High shrub | MC : Mid canopy | WH : Waterhole | | | |

11 MAY 2007

UP 48

UPLAND SWAMP REPTILE



Herpetofauna Survey Proforma

ENTERED 102

Project #: 447
 Observer: MV, RMM
 Date: 11/14/07

S114 - Diurnal Herp - Upland swam

| | | | |
|---|-------------------|---------|--|
| Location and timing | | Start | Finish |
| AMG Zone: | Easting | 289563 | Hasting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| WPT 114 | Northing | 6192792 | Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | Time (24 h): | 11:55 | Time (24 h): 12:10 |
| Map sheet Name: | Map sheet number: | | LGA: |
| Location description: upland swamp reptile search east of Luke's creek | | | |

| | |
|-----------------------------|------------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5hr |
| Number of hectares covered? | Person analysing calls? |

| | |
|---------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 7/8 | Moon: 0 |
| Wind Direction and speed: Nil 0 | Rain: 0 |
| Temperature (°C): 21° | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|----------------------|---|-------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | Y | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Indirect evidence |
| K | Dead | P | Scat |
| F | Tracks, scratching | | |
| Z | In raptor/owl pellet | | |
| M | Miscellaneous | | |
| E | Nest or roost | | |
| B | Bones or teeth | | |
| N | Not located | | |
| B | Burnt | | |

| Microhabitat Type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CR | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Dam/fire dam | IR | In reeds |
| DN | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| GC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | OR | On rock |
| OL | On log | OW | Over water |
| OT | On trunk | RD | On road |
| OR | On rock | TK | ON trunk |
| OW | Over water | UB | Under bark |
| RD | On road | UC | Upper canopy |
| TK | ON trunk | UG | Undergrowth |
| UB | Under bark | UL | Under log |
| UC | Upper canopy | UR | Under rock |
| UG | Undergrowth | WH | Waterhole |
| UL | Under log | | |
| UR | Under rock | | |
| WH | Waterhole | | |



Herpetofauna Survey
Proforma

| |
|---------------------|
| Project #: 4447 |
| Observer: KJC + DCG |
| Date: 14/05/07 |

| | | | |
|---|-------------------|----------|--------------------|
| Location and timing | S1/4 | Start | Finish |
| MCA ACTG Zone: 5b | Easting | 289563 | Easting |
| | Northing | 61192792 | Northing |
| | Time (24 h): | 14.55 | Time (24 h): 15.10 |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Upland swamp SE off Luke's Track between X02 + X03 | | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? 0.5 | Person analysing calls? — |

| | |
|----------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 4/8 | Moon: — |
| Wind Direction and speed: 70°C 0 | Rain: Nil |
| Temperature (°C): ↑ | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0—None, 1—¼ Moon, 2—½, 3—¾, 4—Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------|----------------------|-------------------------|
| Observation types | | |
| O: Observed (sighted) | R: Road kill | T: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Car kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | E: Nest or roost |
| H: Hair or feathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | I: Indirect evidence | N: Not located |
| K: Dead | F: Scat | B: Burnt |

| | | |
|--------------------------|--------------------|-------------------|
| Microhabitat Type | | |
| AC: Flying above canopy | IB: In burrow | OR: On beach sand |
| BB: In/on bridge | IC: In cave | OL: On log |
| BE: In building | IG: In grass | GR: On rock |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water |
| CL: Crevice in log | IE: In litter | RD: On road |
| DA: Farm/fire dam | IR: In reeds | TR: ON trunk |
| DI: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| FP: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |



Herpetofauna Survey Proforma

Frog diurnal search

Gully

GPS 47

Project #: 4447
 Observer: M, KPM
 Date: 22/4/07

| Location and timing | Start | Finish |
|---|---------------------------|----------------------------|
| AMG Zone: <u>19</u> | Easting <u>290693</u> | Easting <u> </u> |
| | Northing <u>6794200</u> | Northing <u> </u> |
| | Time (24 h): <u>10:20</u> | Time (24 h): <u>10:35</u> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>in stream of P08 gully</u> | | |

| Survey Details | |
|-------------------------------|---|
| Number of surveyors? <u>2</u> | Total effort (person hours)? <u>0.5</u> |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|--------------------------------------|----------------|
| Cloud cover: <u>2/4</u> | Moon: <u>0</u> |
| Wind Direction and speed: <u>S 2</u> | Rain: <u>0</u> |
| Temperature (°C): <u>20</u> | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1= 1/4 Moon, 2= 1/2, 3= 3/4, 4= Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 = moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | Y : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | B : Bones or teeth |
| A : Stranded/beached | I : Indirect evidence | N : Not located |
| K : Dead | P : Scat | D : Burnt |

| Microhabitat Type | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Farm/fire dam | IR : In reeds | TR : ON trunk |
| DF : In dead tree (slag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FG : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |



DIURNAL FROG SEARCH
 Herpetofauna Survey
 Proforma

GPS #

Gully

ENTERED
134

Project #: 4447
 Observer: MVRM
 Date:

| Location and timing | Start | Finish |
|---|-------------------|-------------------|
| AMG Zone: | Easting 291493 | Easting |
| WP: 123 | Northing 6797524 | Northing |
| | Time (24 h): 0430 | Time (24 h): 0445 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: CR AT INTERSECTION OF RDS 626C | | |

| Survey Details | |
|-----------------------------|----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 0.5 |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|---|----------|
| Cloud cover: 0 | Moon: -- |
| Wind Direction and speed: -- | Rain: -- |
| Temperature (°C): 20° | |
| Comments: MVRM EARLY DUE TO NO CLOUD | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-------------------|----------------------|----------|
| O | Observed (sighted) | R |
| W | Heard call | D |
| X | In scat | C |
| T | Trapped or netted | V |
| H | Hair or feathers | S |
| A | Stranded/beached | I |
| K | Dead | P |
| E | Road kill | F |
| Z | Dog kill | N |
| M | Cat kill | B |
| ES | Fox kill | Y |
| Y | Shot | N |
| N | Indirect evidence | B |
| B | Scat | B |
| F | Tracks, scratching | |
| Z | In raptor/owl pellet | |
| M | Miscellaneous | |
| ES | Nest or roost | |
| Y | Bones or teeth | |
| N | Not located | |
| B | Burnt | |

| Microhabitat Type | | |
|-------------------|----------------------|-----------|
| AC | Flying above canopy | IB |
| BR | In/on bridge | IC |
| BI | In building | IG |
| CR | Crevise in rock | IH |
| GL | Crevise in log | IL |
| DA | Farm/fire dam | IR |
| DT | In dead tree (stag) | IS |
| EW | Edge of water | IT |
| IC | In/on post or stump | IW |
| FL | Flying within canopy | LC |
| GR | On ground | LS |
| HS | High shrub | MC |
| IB | In burrow | OB |
| IC | In cave | OL |
| IG | In grass | OR |
| IH | In tree hollow | OW |
| IL | In litter | RD |
| IR | In reeds | TK |
| IS | In soil | UB |
| IT | In live tree | UC |
| IW | In water | UG |
| LC | Lower canopy | UL |
| LS | Low shrub | UR |
| MC | Mid canopy | WH |
| OB | On beach sand | |
| OL | On log | |
| OR | On rock | |
| OW | Over water | |
| RD | On road | |
| TK | ON trunk | |
| UB | Under bark | |
| UC | Upper canopy | |
| UG | Undergrowth | |
| UL | Under log | |
| UR | Under rock | |
| WH | Waterhole | |

ENTERED

11 MAY 2007 S268 → ?

Diurnal frog habitat - Rainforest
reptile search

Herpetofauna Survey Proforma

Project #: 444

Observer: KJC + NEO

Date: 20/04/07

| | | |
|---|-----------------------|--|
| Location and timing | Map: 268 Start GPS# 4 | Finish last reception |
| Zone: 5b | Fasting 2911208 | Fasting <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> approx 50m up stream |
| | Northing 61191370 | Northing <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| | Time (24 h): 16.49 | Time (24 h): 17.19 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: Access - park car at turn off to Swamp ISA, W of 600m then SW W Wozzomali creek - within the southern end of rainforest | | |

| | |
|-------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 1.0 |
| Number of hectares covered? ? | Person analysing calls? KJC |

| | |
|-----------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 0 | Moon: - |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): mid | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|--------------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Indirect evidence | N | Not located |
| K | Dead | P | Scat | B | Burnt |

| | | | | | |
|--------------------------|----------------------|----|----------------|----|---------------|
| Mitrohabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | Ev/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire distr. | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | Ev/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

Diurnal Frog Search

UPLAND SWAMP



Herpetofauna Survey
Proforma

ENTERED
10/1/07
LPS/ET

Project #: 4447
Observer: MV RMM
Date: 18/4/07

| Location and timing | Start | Finish |
|--|---------------------------|---------------------------|
| AMG Zone: | Easting <u>289347</u> | Easting <u>000000</u> |
| <u>POS</u> | Northing <u>61192784</u> | Northing <u>10000000</u> |
| | Time (24 h): <u>15:40</u> | Time (24 h): <u>15:55</u> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>upland swamp near track</u> | | |

| Survey Details | |
|-------------------------------|--|
| Number of surveyors? <u>2</u> | Total effort (person hours)? <u>3.5 hr</u> |
| Number of hectares covered? | Person analysing calls? |

| Weather at start of survey | |
|--|----------------|
| Cloud cover: <u>0</u> | Moon: <u>0</u> |
| Wind Direction and speed: <u>0 N10</u> | Rain: <u>0</u> |
| Temperature (°C): <u>21</u> | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0-None, 1- 1/4 Moon, 2- 1/2, 3- 3/4, 4- Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|----------|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Indirect evidence |
| K | Dead | P | Scat |
| F | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | N | Not located |
| E | Nest or roost | B | Burnt |
| X | Bones or teeth | | |

| Microhabitat Type | | | |
|-------------------|----------------------|-----------|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GS | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | OC | On log |
| OL | On log | OR | On rock |
| OW | Over water | OT | On trunk |
| RD | On road | UB | Under bark |
| UC | Upper canopy | UG | Undergrowth |
| UL | Under log | UR | Under rock |
| WR | Waterhole | | |

6/5/07

DIURNAL FROG



Herpetofauna Survey
Proforma

ENTERED
102

Project #: LL47
Observer: MV RMM
Date: 19/4/07

| Location and timing | Start | Finish |
|---|---------------------------|---------------------------|
| AMG Zone: _____ | Easting <u>2189563</u> | Easting <u>1100000</u> |
| <u>WPT 114</u> | Northing <u>61792792</u> | Northing <u>1100000</u> |
| | Time (24 h): <u>11:55</u> | Time (24 h): <u>12:10</u> |
| Map sheet Name: _____ | Map sheet number: _____ | LGA: _____ |
| Location description: <u>diurnal frog survey upland swamp</u> | | |

| Survey Details | |
|-----------------------------------|---|
| Number of surveyors? <u>2</u> | Total effort (person hours)? <u>0.5hr</u> |
| Number of hectares covered? _____ | Person analysing calls? _____ |

| Weather at start of survey | |
|---------------------------------------|----------------|
| Cloud cover: <u>7/8</u> | Moon: <u>0</u> |
| Wind Direction and speed: <u>NW 0</u> | Rain: <u>0</u> |
| Temperature (°C): <u>21</u> | |
| Comments: _____ | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 = None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rattle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Indirect evidence | N : Not located |
| K : Dead | P : Scat | B : Burnt |

| Microhabitat Type | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CE : Crevice in log | IL : In litter | RD : On road |
| DA : Farm/fire dam | IR : In reeds | RT : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GB : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

ENTERED
5145

10 MAY 2007

0145 - Diurnal LF - Calling
RCT playback



BIOSIS

Call Playback Survey
Proforma

| | |
|------------|---------|
| Project #: | 4447 |
| Observer: | MY, RAN |
| Date: | 23/4/07 |

| | | |
|----------------------------|-----------------------------|------------------|
| Location and timing | | |
| MGA Zone: WPT145 | Easting 288273 | Northing 6192804 |
| Start time (24 h): 10:50am | Finish time (24 h): 11:00am | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: | | |

| | |
|------------------------------------|--|
| Survey Details | |
| Type of amplification? loud hailer | Duration of call playback (minutes)? 5 |
| Duration of listening (minutes)? 5 | |

| | |
|-----------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 100% 8/8 | Moon: 0 |
| Wind Direction and speed: 1 | Rain: 0 |
| Temperature (°C): 17° | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = 1/8 Moon, 2 = 2/8 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------|----------------------|-------------------------|
| Observation types | | |
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | E: Nest or roost |
| H: Hair or feathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | F: Fossil/sub-fossil | N: Not located |

| | | |
|--------------------------|--------------------|-------------------|
| Microhabitat Type | | |
| AC: Flying above canopy | CB: In burrow | CB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BU: In building | JG: In grass | OR: On rock |
| CK: Crevice in rock | TH: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| DA: Dam/fire dam | IR: In reeds | TK: ON trunk |
| DT: In dead tree (stag) | IS: In soil | TB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| FC: In/on post or stump | IW: In water | UG: Undergrowth |
| FB: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |

10 MAY 2007

ENTERED

S146 - Wurnal CP - Frog (K1) - Curly *
GPS # 8



Call Playback Survey
Proforma

Project #: 4447
Observer: RMM MN
Date: 23/4/07

Location and timing

MGA Zone: Easting 288375 Northing 6192506
Start time (24 h): 11:35am Finish time (24 h): 11:45am
Map sheet Name: Map sheet number: LGA:
Location description:
WPT 146

Survey Details

Type of amplification? low d. beater Duration of call playback (minutes)? 5
Duration of listening (minutes)? 5

Weather at start of survey

Cloud cover: 8/8 Moon: 0
Wind Direction and speed: 1 Rain: 0
Temperature (°C): 17°
Comments:

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | | | | |
|----|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Car kill | M | Miscellaneous |
| T | Trapped or netted | Y | Fox kill | E | Nest or roost |
| II | Hair or feathers | S | Shot | X | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

Microhabitat Type

| | | | | | |
|----|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | FK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | EC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

10 MAY 2007

ENTERED

0111 - CP (KCI) - upland swamp
 GPS log
 Diurnal RCT
 upland swamp



Call Playback Survey
 Proforma

Project #: 4447
 Observer: MV Rimm
 Date: 19/4/07

Location and timing

MGA Zone: Easting 289868 Northing 6193038
 Start time (24 h): 9:20 Finish time (24 h): 09:30
 Map sheet Name: Map sheet number: LGA:
 Location description: RCT call playback upland swamp
 GPS 111 good RCT habitat

Survey Details

Type of amplification? loudspeaker Duration of call playback (minutes)? 5
 Duration of listening (minutes)? 5

Weather at start of survey

Cloud cover: 7/8 Moon: 0
 Wind Direction and speed: Nil Rain: 0
 Temperature (°C): 19°
 Comments:

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | | | | |
|---|--------------------|---|-------------------|---|-----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In rap/ow/ owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | B | Bones or teeth |
| A | Stranded/beached | F | Fossil/sub-fossil | N | Not located |

Microhabitat Type

| | | | | | |
|----|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevise in rock | IH | In tree hollow | OW | Over water |
| CL | Crevise in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

10 MAY 2007

ENTERED 0114 - UPRIMAL CP - 11 ug (KLI) - ^{upland} Swamp
 APS 38 RCT
 upland Swamp



Call Playback Survey Proforma

Project #: 11147
 Observer: MV, RMM
 Date: ?

Location and timing:

| | | |
|---|---------------------------|------------------|
| MGA Zone: | Easting 289563 | Northing 8192792 |
| Start time (24 h): 14 | Finish time (24 h): 11:51 | |
| Map sheet Name: | Map sheet number: | IXA: |
| Location description: WPT 114 upland Swamp, ^{east of} WPT track. | | |

Survey Details:

| | |
|------------------------------------|--|
| Type of amplification? | Duration of call playback (minutes)? 5 |
| Duration of listening (minutes)? 5 | |

Weather at start of survey:

| | |
|-------------------------------|---------|
| Cloud cover: 7/8 | Moon: 0 |
| Wind Direction and speed: N/O | Rain: 0 |
| Temperature (°C): 21 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0= None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation Types:

| | | | | | |
|---|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

Microhabitat Type:

| | | | | | |
|----|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevices in rock | IH | In tree hollow | OW | Over water |
| CL | Crevices in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| FW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

10 MAY 2007

ENTERED

S160 - Durnal CR - frogs - Jwan
 (RGT)

RCT
 FROG
 UPLAND
 SWAMP
 JOURNAL
 SURVEY



Call Playback Survey
 Proforma

Project #: 6647
 Observer: MV RMM
 Date: 18/6/07

Location and timing

| | | |
|-------------------------------|---------------------------|------------------|
| MGA Zone: | Fasting 289347 | Northing 0198784 |
| Start time (24 h): 15:30 | Finish time (24 h): 15:40 | 2 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: WPT Pos | | |

Survey Details

| | |
|------------------------------------|--|
| Type of amplification? Loudspeaker | Duration of call playback (minutes)? 5 |
| Duration of listening (minutes)? 5 | |

Weather at start of survey

| | |
|---|---------|
| Cloud cover: 0 | Moon: 0 |
| Wind Direction and speed: Nil | Rain: 0 |
| Temperature (°C): 21°C | |
| Comments: Upland swamp RCT journal frog | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | | | | |
|---|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | B | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | F | Fossil/sub-fossil | N | Not located |

Microhabitat Type

| | | | | | |
|----|----------------------|----|----------------|----|---------------|
| AF | Flying above canopy | IB | In burrow | QB | On beach sand |
| BR | In/on bridge | IC | In cave | OI | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IU | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

Opportunistic Diurnal - P - Frogs
(RCT +
Li. Littlejohn)

19 JUN 2007

ENTERED
10/05/07



BIOSIS

Call Playback Survey
Proforma

Project #: 4447

Observer: KJC + D.C.M.

Date: 10/05/07

| | | |
|---|----------------------------------|-------------------------|
| Location and timing: <u>SO</u> | | |
| MGA Zone: <u>S6</u> | Easting <u>292476</u> | Northing <u>6394866</u> |
| Start time (24 h): <u>08:35</u> | Finish time (24 h): <u>08:53</u> | <u>0.3</u> Person hr. |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>at bc Swamp facing upstream to pool where possible P. amabilis tadpoles observed. At bc Road intersection</u> | | |

| | |
|---|---|
| Survey Details: | |
| Type of amplification? <u>loud hooter</u> | Duration of call playback (minutes)? <u>3</u> |
| Duration of listening (minutes)? <u>3</u> | |

| | |
|------------------------------------|-----------------|
| Weather at start of survey: | |
| Cloud cover: <u>8/8</u> | Moon: <u>-</u> |
| Wind Direction and speed: <u>1</u> | Rain: <u>No</u> |
| Temperature (°C): <u>18°C</u> | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0= None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Observation types | | |
| O : Observed (sighted) | R : Road kill | T : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| F : Trapped or netted | N : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Microhabitat Type: | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

10 MAY 2007

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ESS



BIOSIS

Call Playback Survey
Proforma

Project #: 4447

Observer: JC + RVB + NEO

Date: 22.4.07

Opportunistic diurnal frog call-playback.

| | | |
|------------------------------|---------------------------|------------------|
| Location and timing | | |
| MGA Zone: 567 527 | Easting 292921 | Northing 6195569 |
| Start time (24 h): 17:00 | Finish time (24 h): 17:10 | |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:

Drainage line off Fire Rd 66, leads towards Lake Cordeaux. (after 6F turn off)
RCT called whilst we were looking at drainage line, so needed call playback

| | |
|------------------------------------|--|
| Survey Details | |
| Type of amplification? Loud hailer | Duration of call playback (minutes)? 3 |
| Duration of listening (minutes)? 2 | |

| | |
|---------------------------------|------------|
| Weather at start of survey | |
| Cloud cover: 4/8 | Moon: None |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 = None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| F | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | N | Not located |
| | | | |

| | | | |
|-------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BL | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | OL | On log |
| OR | On rock | OW | Over water |
| RD | On road | TK | ON trunk |
| UB | Under bark | UC | Upper canopy |
| UG | Undergrowth | UL | Under log |
| UR | Under rock | WH | Waterhole |

ENTERED 179



Call Playback Survey Proforma

Project #: 4447
 Observer: KJC + DCA
 Date: 10/09/07

Location and timing
 MGA Zone: 56 Easting: 289397 Northing: 6195387
 Start time (24 h): 15:45 Finish time (24 h): 15:06
 Map sheet Name: Map sheet number: IGA:
 Location description:
 Donald's Castle Creek at 6 intersection
 Hoiler pointing downstream at large pool.

Survey Details
 Type of amplification? loud hoiler Duration of call playback (minutes)? 3
 Duration of listening (minutes)? 3

Weather at start of survey
 Cloud cover: 8/8 Moon: 3
 Wind Direction and speed: 0 Rain: Nil
 Temperature (°C): 17°C
 Comments:

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | | | | |
|---|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

Microhabitat Type

| | | | | | |
|----|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | QB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FG | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

19 JUN 2007

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late



BIOSIS

Call Playback Survey
Proforma

Green and Golden Bell Frog.

| |
|----------------------------|
| Project #: 4447 |
| Observer: JC, RMU, TP, MS. |
| Date: 17-5-07 |

| | | |
|---------------------------------|----------------------------------|--------------------------|
| Location and timing <i>S475</i> | | |
| MGA Zone: <i>GPS6</i> | Easting <i>290274</i> | Northing <i>61196384</i> |
| Start time (24 h): <i>12:15</i> | Finish time (24 h): <i>12:26</i> | |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:

Pond at quarry site off Fire Rd 6.

| | |
|---|---|
| Survey Details | |
| Type of amplification? <i>Load hauler</i> | Duration of call playback (minutes)? <i>3</i> |
| Duration of listening (minutes)? <i>5</i> | |

| | |
|--|----------------|
| Weather at start of survey | |
| Cloud cover: <i>8/8 thin high cloud.</i> | Moon: <i>-</i> |
| Wind Direction and speed: <i>SKILL</i> | Rain: <i>-</i> |
| Temperature (°C): <i>warm-hot</i> | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|----------|-------------------|----------|------------------------|
| G | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | I heard call | D | Dog kill | Z | In raptor/owlet pellet |
| X | Insect | C | Car kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|-----------|----------------|-----------|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UC | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

2007

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**Diurnal Bird Survey
Proforma**

Upland Swamp site.

Project #: 4447
Observer: JC, KS, RML
Date: 11-5-07

| | | | |
|-----------------------|-------------------|--------------------|--------------------|
| Location and timing | | Start 5446 | Finish |
| MGA Zone: | Easting | 289782 | Easting |
| | Northing | 6192711 | Northing |
| Map sheet Name: | Map sheet number: | Time (24 h): 10:30 | Time (24 h): 10:50 |
| Location description: | | LGA: | |

Peanut Swamp.

Survey Details

| | | | |
|-----------------------------|---|------------------------------|--------|
| Number of surveyors? | 3 | Total effort (person hours)? | 20mins |
| Number of hectares covered? | | | |

Weather at start of survey

| | | | |
|---------------------------|------------|-------|---|
| Cloud cover: | 1/8 | Moon: | - |
| Wind Direction and speed: | still | Rain: | - |
| Temperature (°C): | Warm - Hot | | |
| Comments: | | | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 - None, 1 - 1/8 Moon, 2 - 1/4 Moon, 4 - Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | | | | |
|---|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In seat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | Y | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | B | Bones or teeth |
| A | Stranded/beached | L | Fossil/sub-fossil | N | Not located |

Microhabitat Type

| | | | | | |
|----|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CR | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Dam/fire dam | IR | In reeds | TK | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| PC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

20 JUN 2007

Diurnal Bird - Swamp

ENTERED
228Diurnal Bird Survey
Proforma - Swamp

Project #: 4447

Observer: DCG

Date: 10/5/07

| | | |
|--|-----------------------|-------------------|
| Location and timing | SOI Start 6E Swamp | Finish |
| MGA Zone: 56 | Basting 292476 | Basting 000000 |
| | Northing 6194866 | Northing 000000 |
| | Time (24 h): 0815 | Time (24 h): 0835 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: SWAMP GC ON TRACK | | |

| | |
|---------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 1 | Total effort (person hours)? 0.7 |
| Number of hectares covered? 0.5 | |

| | |
|-----------------------------|---------------------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: |
| Wind Direction and speed: - | Rain: LIGHT SHOWERS |
| Temperature (°C): 16°C | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = 1/8 Moon, 2 = 1/4 Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | B | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

/s/

20 JUN 2007

5268 Diurnal - Rainforest
Birds

BJOSIS

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299Diurnal Bird Survey
Proforma

| |
|---------------------|
| Project #: 4447 |
| Observer: KJC + NEO |
| Date: 20/04/07 |

| | |
|---|---------------------------|
| Location and timing: Map = 268 Start | Finish |
| MGA Zone: 5b GPS#4 | Easting 291205 |
| | Easting 110000 |
| | Northing 6191370 |
| | Northing 100000 |
| | Time (24 h): 16-19 |
| | Time (24 h): 17-19 |
| Map sheet Name: | Map sheet number: |
| | I.G.A.: |
| Location description: Wongawilli creek - within the southern end of rainforest habitat. | |

| | |
|--|---|
| Survey Details | |
| Number of surveyors? 1 | Total effort (person hours)? 0.5 |
| Number of hectares covered? N/A | |

| | |
|------------------------------------|------------------|
| Weather at start of survey | |
| Cloud cover: C | Moon: 0 |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): Mild | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 = None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Observation types | | |
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In seat | C : Car kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | B : Fossil/sub-fossil | N : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Microhabitat Type | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Farm/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LG : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

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BIOSIS

Diurnal Bird Survey
Proforma

Rainforest site.

Project #: 4447

Observer: JC + RMM

Date: 14.5.07

| Location and timing | Start | Finish |
|--|--------------------------|-----------------------|
| MGA Zone: <u>S460</u> | Fasting <u>ZHT0955</u> | Fasting <u> </u> |
| GPS# <u>4</u> | Northing <u>61910608</u> | Northing <u> </u> |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: <u>Rainforest: Wangaiti Creek near X230.</u> <u>Beautiful!</u> | | |

| Survey Details | |
|-------------------------------|--|
| Number of surveyors? <u>2</u> | Total effort (person hours)? <u>2 mins</u> |
| Number of hectares covered? | |

| Weather at start of survey | |
|--|----------------|
| Cloud cover: <u>3/8</u> | Moon: <u>-</u> |
| Wind Direction and speed: <u>still</u> | Rain: <u>-</u> |
| Temperature (°C): <u>Mild</u> | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | F Tracks, scorching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

| Microhabitat Type | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TK ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

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**Diurnal Bird Survey
Proforma**

Rainforest site.

| |
|---------------------------|
| Project #: 4447 |
| Observer: RMM + Jc |
| Date: 14-5-07 |

| | | |
|----------------------------|--------------------|--------------------|
| Location and timing | Start S462 | Finish |
| MGA Zone: GPS4 | Easting 290957 | Easting 000000 |
| | Northing 61190816 | Northing 000000 |
| | Time (24 h): 13:55 | Time (24 h): 14:15 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:

Wongawilli Creek in rainforest approx 200m downstream of S460.

| | |
|-----------------------------|-------------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 20mins |
| Number of hectares covered? | |

| | |
|-----------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 3/8 | Moon: — |
| Wind direction and speed: Still | Rain: — |
| Temperature (°C): Mild | |

Comments:

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 None, 1 ¼ Moon, 2 ½ Moon, 4 Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rattle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------------|----------------------------|-------------------------------|
| Observation types | | |
| O Observed (sighted) | R Road kill | T Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | J Fossil/sub-fossil | N Not located |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat Type | | |
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Dam/lire dam | IR In reeds | TK ON trunk |
| DT In dead tree (stag) | IS In soil | TB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

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ENTERED
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BIOSIS

Diurnal Bird Survey
Proforma

rainforest site.

| | |
|------------|----------|
| Project #: | 4447 |
| Observer: | JZ + RMM |
| Date: | 14-5-07 |

| | | | | | |
|--|-------|-------------------|---------|--------------|-------|
| Location and timing | | Start | 5464 | Finish | |
| MGA Zone: | GPS 4 | Easting | 2911080 | Easting | |
| | | Northing | 6190980 | Northing | |
| | | Time (24 h): | 15:05 | Time (24 h): | 15:25 |
| Map sheet Name: | | Map sheet number: | | LGA: | |
| Location description: Wongawilli Creek in rainforest approx. 200m downstream of 5462. | | | | | |

| | |
|-----------------------------------|------------------------------|
| Survey Details | |
| Number of surveyors? | Total effort (person hours)? |
| Number of hectares covered? | |
| Weather at start of survey | |
| Cloud cover: | Moon: |
| Wind Direction and speed: | Rain: |
| Temperature (°C): | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|--------------------------|--------------------|----------|-------------------|----------|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | B | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| HL | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| | | | | | |
|--------------------------|----------------------|-----------|----------------|-----------|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Dam/fire dam | IR | In reeds | TR | On trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

20 JUN 2007

ENTERED
226

BIOSIS

Diurnal Bird Survey
Proforma

Gully site.

Project #: 4447

Observer: JCRAM, TP, MS.

Date: 15-5-07

| Location and timing | Start S466 | Finish |
|---|--------------------|--------------------|
| MGA Zone: APS 6 | Easting 288466 | Easting 34300 |
| | Northing 6190546 | Northing 7777777 |
| | Time (24 h): 13:26 | Time (24 h): 13:46 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Down end of track off 6A (x20) that heads towards Lake Avon. Very pretty! Point census. | | |

| Survey Details | |
|-----------------------------|-------------------------------------|
| Number of surveyors? 4 | Total effort (person hours)? 20mins |
| Number of hectares covered? | |

| Weather at start of survey | |
|--|-----------|
| Cloud cover: 0/8 | Moon: --- |
| Wind Direction and speed: still - light breeze | Rain: --- |
| Temperature (°C): warm - hot | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 - None, 1 = ¼ Moon, 2 = ½ Moon, 4 - Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In seat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | F : Fossil/sub-fossil | N : Not located |

| Microhabitat Type | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | JG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TR : ON trunk |
| DE : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| EC : In/on post or stump | IW : In water | UG : Undergrowth |
| EL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

20 JUN 2007

ENTERED
223

BIOSIS

Diurnal Bird Survey
Proforma

Cully site.

Project #: 4447

Observer: RMM + JC

Date: 12-5-07

| Location and timing | Start 5450 | Finish |
|--|--------------------|--------------------|
| MGA Zone: | Fasting 289364 | Fasting 7777 |
| | Northing 6192814 | Northing 3233333 |
| | Time (24 h): 10:20 | Time (24 h): 10:40 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Cully along/crosses Luke's Track NE of A02. Point census | | |

| Survey Details | | |
|-----------------------------|---|-------------------------------------|
| Number of surveyors? | 2 | Total effort (person hours)? 20mins |
| Number of hectares covered? | | |

| Weather at start of survey | | |
|----------------------------|--------------|---------|
| Cloud cover: | 1/8 | Moon: - |
| Wind Direction and speed: | Light breeze | Rain: - |
| Temperature (°C): | Warm | |
| Comments: | | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 - None, 1 - ¼ Moon, 2 - ½ Moon, 4 - Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | | |
|-------------------------------|------------------------------|---------------------------------|--|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching | |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet | |
| X : In scat | C : Cat kill | M : Miscellaneous | |
| T : Trapped or netted | N : Fox kill | E : Nest or roost | |
| H : Hair or feathers | S : Shot | B : Bones or teeth | |
| A : Stranded/beached | F : Fossil/sub-fossil | N : Not located | |

| Microhabitat Type | | | |
|----------------------------------|----------------------------|---------------------------|--|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand | |
| BR : In/on bridge | IC : In cave | ON : On log | |
| BU : In building | IG : In grass | OR : On rock | |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water | |
| CL : Crevice in log | IL : In litter | RD : On road | |
| DA : Farm/fire dam | IR : In reeds | TR : On trunk | |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark | |
| EW : Edge of water | IT : In live tree | UC : Upper canopy | |
| FC : In/on post or stump | IW : In water | UG : Undergrowth | |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log | |
| GB : On ground | LS : Low shrub | UR : Under rock | |
| HS : High shrub | MC : Mid canopy | WH : Waterhole | |

26 JUN 2007

ENTERED
224

BIOSIS

Diurnal Bird Survey
Proforma

Gully site - transect.

Project #: 4447

Observer: JC, LMM, KJC

Date: 10.5.07

| | | | |
|---|-------------------|-------------------|-------------|
| Location and timing | | Start 5433 | Finish 5434 |
| MGA Zone: GPS 6 | Easting 290133 | Easting 290026 | |
| | Northing 6189671 | Northing 6189692 | |
| | Time (24 h): 9:30 | Time (24 h): 9:50 | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: SW corner/border of study area, west of track. | | | |

| | |
|------------------------------------|-------------------------------------|
| Survey Details | |
| Number of surveyors? 3 | Total effort (person hours)? 20 hrs |
| Number of hectares covered? < 100m | |

| | |
|--|---------|
| Weather at start of survey | |
| Cloud cover: 8/9 | Moon: - |
| Wind Direction and speed: light breeze | Rain: - |
| Temperature (°C): cool-mild | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 - None, 1 - ¼ Moon, 2 - ½ Moon, 4 - Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 = moderate, branches move, 3 - strong, tops of trees move.

| | | | |
|-------------------|--------------------|----|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| | | Tr | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | N | Nest or roost |
| | | Y | Bones or teeth |
| | | N | Not located |

| | | | |
|-------------------|----------------------|----|----------------|
| Microhabitat type | | | |
| AC | Flying above canopy | IB | In burrow |
| BB | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IL | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TR | On trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

27 APR 2007

ENTERED
273



Diurnal Bird Survey
Proforma

Gully site.

Project #: 4447
Observer: JC, RMM, KS
Date: 9.5.07

| | | |
|--|--------------------|--------------------|
| Location and timing | Start 5431 | Finish |
| MGA Zone: GPS 6 | Fasting 290131 | Easting 000000 |
| | Northing 6193577 | Northing 0000000 |
| | Time (24 h): 09:39 | Time (24 h): 09:59 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Luke's Creek, ~200m downstream of crossing, upstream of #04. Point census. | | |

| | |
|-----------------------------|-------------------------------------|
| Survey Details | |
| Number of surveyors? 3 | Total effort (person hours)? 20mins |
| Number of hectares covered? | |

| | |
|---------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 7/8 | Moon: - |
| Wind Direction and speed: Still | Rain: - |
| Temperature (°C): Mild | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | L | Fossil/sub-fossil |
| F | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | N | Not located |
| E | Nest or roost | B | Bones or teeth |

| | | | |
|-------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In rocks |
| DL | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FI | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | OR | On rock |
| OJ | On log | OW | Over water |
| OD | On dam | RD | On road |
| OT | On trunk | UB | Under bark |
| UC | Upper canopy | UG | Undergrowth |
| UL | Under log | UR | Under rock |
| UR | Under rock | WH | Waterhole |

20 NOV 2007

ENTERED
222

BIOSIS

Diurnal Bird Survey
Proforma

Gully site.

Project #: 4447

Observer: JC, KS, RMH

Date: 9.5.07

| Location and timing | Start 5430 | Finish |
|--|------------------------|-------------------------------------|
| MGA Zone: GPS 6 | Fasting 2 9 0 1 6 8 | Fasting 7 7 7 7 7 7 7 7 |
| | Northing 6 1 9 0 6 6 6 | Northing 8 2 8 3 8 8 8 8 |
| Map sheet Name: | Time (24 h): 08:13 | Time (24 h): 08:33 |
| Location description: | Map sheet number: | LGA: |
| Gully with cage traps (1-6) in SW corner of study area. Point census. | | |

| Survey Details | |
|-----------------------------|-------------------------------------|
| Number of surveyors? 3 | Total effort (person hours)? 20 hrs |
| Number of hectares covered? | |

| Weather at start of survey | |
|---------------------------------|---------|
| Cloud cover: 7/8 | Moon: - |
| Wind Direction and speed: Still | Rain: - |
| Temperature (°C): Cool | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-----------------------------------|----------------------------------|--------------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owls pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | N : No: located |

| Microhabitat Type | | |
|--------------------------------------|--------------------------------|-------------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BI : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IE : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Farm/fire dam | IR : In reeds | TK : ON trunk |
| DE : In dead tree (stug) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FG : In/on post or stump | IW : In water | UG : Undergrowth |
| FC : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

20 JUN 2007



ENTERED
Diurnal Bird Survey
Proforma

Gully site.

| | |
|------------|----------|
| Project #: | 4447 |
| Observer: | JC + RVB |
| Date: | 18.4.07 |

| | | | |
|---|--------------------|--------------------|------------|
| Location and timing | | Start S23 | Finish S24 |
| MGA Zone: APS3 | Easting 288105 | Easting 288268 | |
| | Northing 6192534 | Northing 6192533 | |
| | Time (24 h): 17:15 | Time (24 h): 17:45 | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: (below) Creek adjacent to swamp 11 and leads into lake tron. (same creek surveyed for frogs). | | | |

| | |
|------------------------------|--------|
| Survey Details | |
| Number of surveyors? | 2 |
| Total effort (person hours)? | 0.5 hr |
| Number of hectares covered? | 200m |

| | |
|---------------------------------|------------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: None |
| Wind Direction and speed: still | Rain: None |
| Temperature (°C): — | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| *X : In scat | C : Car kill | M : Miscellaneous |
| T : Trapped or netted | Y : Fox kill | B : Nest or roost |
| IL : Hair or feathers | S : Shot | X : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located |

| Microhabitat Type | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | ID : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FP : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

ENTERED
420



Diurnal Bird Survey
Proforma

Gully site

| |
|--------------------|
| Project #: 4447 |
| Observer: RNB & JC |
| Date: 20/4/07 |

| | | | |
|---|--------------------|--------------------|------------|
| Location and timing | | Start 546 | Finish 547 |
| MGA Zone: Sp | Easting 288400 | Easting 288273 | |
| | Northing 6192955 | Northing 6192804 | |
| | Time (24 h): 16:03 | Time (24 h): 16:23 | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: From end of seismic line off Railway off 6A GULLY heading towards Lake Avon. | | | |

| | |
|---|-------------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 20 min |
| Number of hectares covered? Approx 200m | |

| | |
|-------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: N/A |
| Wind Direction and speed: NIL | Rain: NIL |
| Temperature (°C): warm | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 - None, 1 - ¼ Moon, 2 - ½ Moon, 4 - Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | | |
|-------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| | | E | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | N | Nest or roost |
| | | Y | Bones or teeth |
| | | | Not coded |

| | | | |
|-------------------|----------------------|----|----------------|
| Microhabitat type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DI | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TK | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

21/14/2007

GPS#8 GULLY

SLO3-Diurnal Bwd - Gully



Diurnal Bird Survey Proforma

ENTERED 219

Project #: 14427
 Observer: m.j. RENN
 Date: 21/4/07

| Location and timing | Start | Finish |
|--|-------------------|---------------------|
| MGA Zone: | Easting 29 9949 | Easting 000000 |
| WPT 6 | Northing 6197343 | Northing 000000 |
| | Time (24 h): 8.25 | Time (24 h): 8.45am |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Wangawilli creek upstream side of road | | |

Survey Details

| | |
|-----------------------------|------------------------------|
| Number of surveyors? | Total effort (person hours)? |
| Number of hectares covered? | |

Weather at start of survey

| | |
|---------------------------|-------|
| Cloud cover: | Moon: |
| Wind Direction and speed: | Rain: |
| Temperature (°C): | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

Microhabitat Type

| | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | AB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TR ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

5100-Diurnal Bird-Cully
GPS



Diurnal Bird Survey
Proforma

20 JUN 2007

| | |
|------------|-----------|
| Project #: | 447 |
| Observer: | MV Pinner |
| Date: | 21/4/07 |

| | | |
|---|-------------------|-------------------|
| Location and timing: | Start | Finish |
| MGA Zone: | Easting 289405 | Easting 70000 |
| WPT 3 | Northing 6095337 | Northing 0000000 |
| | Time (24 h): 7:40 | Time (24 h): 8:00 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Donald's Castle Creek (upstream side of road) | | |

| | |
|-----------------------------|-------------------------------------|
| Survey Details | |
| Number of surveyors? | 2 Total effort (person hours)? 20mt |
| Number of hectares covered? | |

| | |
|------------------------------------|-------------|
| Weather at start of survey: | |
| Cloud cover: | 0 Moon: 0 |
| Wind Direction and speed: | W 0 Rain: 0 |
| Temperature (°C): | 15° |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|--------------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| | | | | | |
|--------------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | ON trunk |
| DB | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FP | In/on post or stump | IW | In water | US | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

20 JUN 2007

S123- Diurnal Bird - Gully.

GB-8

Gully



Diurnal Bird Survey Proforma

ENTERED

Project #: 1/1007
 Observer: MVR/AMM
 Date: 21/4/07

| Location and timing | Start | Finish |
|--|-------------------|-------------------|
| MGA Zone: | Easting 290096 | Easting 00000 |
| WPT 123 | Northing 6197584 | Northing 00000 |
| | Time (24 h): 9.00 | Time (24 h): 9.20 |
| Map sheet Name: | Map sheet number: | LCIA: |
| Location description: Creek on west side of road band 50 | | |

| Survey Details | |
|-----------------------------|------------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 20.00 |
| Number of hectares covered? | |

| Weather at start of survey | |
|-----------------------------|---------|
| Cloud cover: 0 | Moon: 0 |
| Wind Direction and speed: 0 | Rain: 0 |
| Temperature (°C): 18° | |
| Comments: | |

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0= None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|----|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | FX | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IJ | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GL | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

20 JUN 2007

Gully ENTERED 216

S122 - Diurnal Bird - Gully

GR 25



Diurnal Bird Survey Proforma

Project #: 4447
 Observer: MV RMM
 Date: 21/4/07

| Location and timing | Start | Finish |
|---|--------------------|--------------------|
| MGA Zone: | Easting 289319 | Easting 000000 |
| WPT 12.2 | Northing 61951387 | Northing 000000 |
| | Time (24 h): 17:00 | Time (24 h): 17:20 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: Donalds Creek, Downstream side of road. Same location as last year. | | |

Survey Details

Number of surveyors? 2 Total effort (person hours)? 20 min
 Number of hectares covered?

Weather at start of survey

Cloud cover: 7/8 Moon: 0
 Wind Direction and speed: 1 Rain: 0
 Temperature (°C): 18°
 Comments:

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | | | | |
|---|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

Microhabitat Type

| | | | | | |
|----|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BL | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | ID | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | OK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| EP | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

5119 - Diurnal Bird - Gully
 Gully, UPS, S



Diurnal Bird Survey
 Proforma

ENTERED
 215

Project #: 4447
 Observer: MJ Dwyer
 Date: 20/11/07

| Location and timing | Start | Finish |
|---|-------------------|--------------------|
| MGA Zone: | Easting 290693 | Easting _____ |
| WPT 119 | Northing 6194200 | Northing _____ |
| Map sheet Name: | Time (24 h): 9.57 | Time (24 h): 10.17 |
| Location description: | Map sheet number: | I.G.A.: |
| ditch stream of POB on Wagoner with Creek | | |

| Survey Details | |
|-----------------------------|------------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 20m 1 |
| Number of hectares covered? | |

| Weather at start of survey | |
|-----------------------------|---------|
| Cloud cover: 1/8 | Moon: 0 |
| Wind Direction and speed: 2 | Rain: 0 |
| Temperature (°C): 17.0 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation Codes | | | |
|-------------------|--------------------|----|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| | | Tr | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | N | Nest or roost |
| | | B | Bones or teeth |
| | | N | Not located |

| Microhabitat Type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | BB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CR | Crevice in rock | IH | In tree hollow |
| GI | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DE | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FP | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OC | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TR | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

20 JUN 2007

5162-Diurnal Bird - Cully
Cully GPs etc

Diurnal Bird Survey Proforma

ENTERED
LW

| |
|------------------|
| Project #: 4447 |
| Observer: MV/RMM |
| Date: 20/4/07 |

| Location and timing | Start | Finish |
|--|------------------------|----------------------|
| MGA Zone: | Fasting 2 0 0 7 3 8 | Fasting □ □ □ □ □ □ |
| PO8 | Northing 6 1 9 4 0 8 7 | Northing □ □ □ □ □ □ |
| | Time (24 h): 0910 | Time (24 h): 0930 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: NONNANILEY CK @ PO8 | | |

| Survey Details | |
|-----------------------------------|-------------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 20 min |
| Number of hectares covered? _____ | |

| Weather at start of survey | |
|-----------------------------|---------|
| Cloud cover: 3/8 | Moon: — |
| Wind Direction and speed: — | Rain: — |
| Temperature (°C): 20° | |
| Comments: | |
| | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0= None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-----------------------------|----------------------------|-------------------------------|--|
| O Observed (sighted) | R Road kill | F Tracks, scratching | |
| H Heard call | D Dog kill | Z In raptor/owl pellet | |
| X In scat | C Cat kill | M Miscellaneous | |
| T Trapped or netted | V Fox kill | E Nest or roost | |
| I Hair or feathers | S Shot | Y Bones or teeth | |
| A Stranded/beached | F Fossil/sub-fossil | N Not located | |

| Microhabitat Type | | | |
|--------------------------------|--------------------------|-------------------------|--|
| AC Flying above canopy | BB In burrow | OB On beach sand | |
| BR In/on bridge | BC In cave | OL On log | |
| BU In building | IG In grass | OR On rock | |
| CK Crevice in rock | JH In tree hollow | QW Over water | |
| CL Crevice in log | IL In litter | RD On road | |
| DA Farm/fire dam | IR In reeds | TK ON trunk | |
| DT In dead tree (stag) | IS In soil | UB Under bark | |
| EW Edge of water | IT In live tree | UC Upper canopy | |
| FP In/on post or stump | IW In water | UG Undergrowth | |
| FL Flying within canopy | LC Lower canopy | UL Under log | |
| GR On ground | LS Low shrub | UR Under rock | |
| HS High shrub | MC Mid canopy | WH Waterhole | |

20 JUN 2007

S110 - Diurnal Bird - Cully
CP 88



Diurnal Bird Survey
Proforma

ENTERED
213

| | |
|------------|----------|
| Project #: | 4447 |
| Observer: | MV Roman |
| Date: | 19/4/07 |

Cully

| | | | |
|--|-------------------|--|--|
| Location and timing: | | Start | Finish |
| MGA Zone: | | Easting <input type="text" value="790048"/> | Easting <input type="text" value="0000"/> |
| <input type="text" value="WPT 110"/> | | Northing <input type="text" value="619346"/> | Northing <input type="text" value="000000"/> |
| | | Time (24 h): 07:55 | Time (24 h): 08:15 |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: <i>Cully diurnal Bird Search Lake track where it crosses Lake's Creek</i> | | | |

| | |
|--------------------------------------|--|
| Survey Details | |
| Number of surveyors? <i>2</i> | Total effort (person hours)? <i>20hr</i> |
| Number of hectares covered? <i>2</i> | |

| | |
|--------------------------------------|----------------|
| Weather at start of survey | |
| Cloud cover: <i>7/8</i> | Moon: <i>0</i> |
| Wind Direction and speed: <i>N 0</i> | Rain: <i>0</i> |
| Temperature (°C): <i>15°</i> | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------------------|------------------------------|---------------------------------|--|
| Observation types | | | |
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching | |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet | |
| X : In scat | C : Cat kill | M : Miscellaneous | |
| T : Trapped or netted | V : Fox kill | E : Nest or roost | |
| H : Hair or feathers | S : Shot | Y : Bones or teeth | |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located | |

| | | | |
|----------------------------------|----------------------------|---------------------------|--|
| Microhabitat Type | | | |
| AC : Flying above canopy | BR : In burrow | OR : On beach sand | |
| BR : In/on bridge | IC : In cave | OL : On log | |
| BL : In building | IG : In grass | OR : On rock | |
| CR : Crevice in rock | IR : In tree hollow | OW : Over water | |
| CL : Crevice in log | IL : In litter | RD : On road | |
| DA : Farm/lire dam | IR : In reeds | TR : ON trunk | |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark | |
| EW : Edge of water | IT : In live tree | UC : Upper canopy | |
| FC : In/on post or stump | IW : In water | UG : Undergrowth | |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log | |
| GR : On ground | LS : Low shrub | UR : Under rock | |
| HS : High shrub | MC : Mid canopy | WH : Waterhole | |

20 JUN 2007

S109-Diurnal Bird - Gully

07:30



Diurnal Bird Survey Proforma

ENTERED
212

| | |
|------------|----------|
| Project #: | L1057 |
| Observer: | MSB |
| Date: | 10/14/07 |

| | | |
|--|--------------------|--------------------|
| Location and timing: | Start | Finish |
| MGA Zone: | Easting 289907 | Easting |
| WPT 109 | Northing 3192981 | Northing |
| Map sheet Name: | Time (24 h): 07:10 | Time (24 h): 07:30 |
| Location description: | Map sheet number: | LGA: |
| Gully diurnal Bird Search Lake's track | | |

| | |
|------------------------------|---------------|
| Survey Details | |
| Number of surveyors? | 2 |
| Total effort (person hours)? | 20 |
| Number of hectares covered? | 2 |

| | |
|-----------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 7% | Moon: ☉ |
| Wind Direction and speed: NE 0 | Rain: ☉ |
| Temperature (°C): 15° | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 - None, 1 - ¼ Moon, 2 - ½ Moon, 4 - Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | |
|-----------------------------|----------------------------|-------------------------------|
| Observation types | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | B Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

| | | |
|--------------------------------|--------------------------|-------------------------|
| Microhabitat Type | | |
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | OD On road |
| DA Dam/fire dam | IR In reeds | OT On trunk |
| DI In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| IC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UF Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MS Mid canopy | WH Waterhole |

Bird Survey - Ridge
point census

ENTERED
116



Diurnal Bird Survey
Proforma

Project #: 4447
Observer: KJC
Date: 10/05/07

| | | |
|--|--------------------|--------------------|
| Location and timing: S515 Start | | Finish |
| MCA IGA Zone: 56 | Easting 190780 | Easting F133333 |
| | Northing 6193119 | Northing 0000000 |
| | Time (24 h): 07:25 | Time (24 h): 07:45 |
| Map sheet Name: | Map sheet number: | IGA: |
| Location description: on 6 within ridge habitat overlooking Mangawhaka ck | | |

| Survey Details | |
|-----------------------------|-----------------------------------|
| Number of surveyors? | Total effort (person hours)? 0-33 |
| Number of hectares covered? | |

| Weather at start of survey: | |
|-----------------------------|-----------|
| Cloud cover: 3/8 | Moon: - |
| Wind Direction and speed: Z | Rain: Nil |
| Temperature (°C): 18 °C | |
| Comments: | |

Cloud cover: Record cover in eighths of sky
Moon: Record using the following codes: 0= None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|-----------------------|----------------------|-------------------------|
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| T: Trapped or netted | V: Fox kill | E: Nest or roost |
| H: Hair or feathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | I: Fossil/sub-fossil | N: Not located |

| Microhabitat Type | | |
|--------------------------|--------------------|-------------------|
| AC: Flying above canopy | UB: In burrow | OB: On beach sand |
| BB: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CK: Crevice in rock | IB: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| DA: Farm/fire dam | IR: In reeds | TK: ON trunk |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| FP: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |

ENTERED
209



Diurnal Bird Survey
Proforma

Project #: 4447

Observer: KJC

Date: 10/05/07

| | | |
|--|---------------------------|---------------------------|
| Location and timing: <u>S516</u> Start | | Finish |
| MGA Zone: <u>50</u> | Easting <u>292135</u> | Easting <u>309005</u> |
| | Northing <u>6191457</u> | Northing <u>3033000</u> |
| | Time (24 h): <u>09.35</u> | Time (24 h): <u>09.55</u> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>Ridge - at Swamp 15A parking spot. below transmission tower.</u> | | |

| Survey Details | |
|--------------------------------------|---|
| Number of surveyors? <u>1</u> | Total effort (person hours)? <u>0.3</u> |
| Number of hectares covered? <u>—</u> | |

| Weather at start of survey | |
|------------------------------------|------------------|
| Cloud cover: <u>3/8</u> | Moon: <u>—</u> |
| Wind Direction and speed: <u>!</u> | Rain: <u>Nil</u> |
| Temperature (°C): <u>18°C</u> | |

Comments:

a lot of activity but some species repeating.

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-----------------------------|----------------------------|-------------------------------|--|
| <u>O</u> Observed (sighted) | <u>R</u> Road kill | <u>F</u> Tracks, scratching | |
| <u>W</u> Heard call | <u>D</u> Dog kill | <u>Z</u> In raptor/owl pellet | |
| <u>X</u> In scat | <u>C</u> Cat kill | <u>M</u> Miscellaneous | |
| <u>T</u> Trapped or netted | <u>V</u> Fox kill | <u>E</u> Nest or roost | |
| <u>II</u> Hair or feathers | <u>S</u> Shot | <u>Y</u> Bones or teeth | |
| <u>A</u> Stranded/beached | <u>I</u> Fossil/sub-fossil | <u>N</u> Not located | |

| Microhabitat Type | | | |
|--------------------------------|--------------------------|-------------------------|--|
| <u>AC</u> Flying above canopy | <u>AD</u> In burrow | <u>OB</u> On beach sand | |
| <u>BR</u> In/on bridge | <u>IC</u> In cave | <u>OL</u> On log | |
| <u>BU</u> In building | <u>IG</u> In grass | <u>OR</u> On rock | |
| <u>CR</u> Crevice in rock | <u>IH</u> In tree hollow | <u>OW</u> Over water | |
| <u>CL</u> Crevice in log | <u>IL</u> In litter | <u>RD</u> On road | |
| <u>DA</u> Farm/fire dam | <u>IR</u> In reeds | <u>TR</u> ON trunk | |
| <u>DT</u> In dead tree (stag) | <u>AS</u> In soil | <u>UB</u> Under bark | |
| <u>EW</u> Edge of water | <u>IT</u> In live tree | <u>UC</u> Upper canopy | |
| <u>FC</u> In/on post or stump | <u>IW</u> In water | <u>UG</u> Undergrowth | |
| <u>FL</u> Flying within canopy | <u>LC</u> Lower canopy | <u>UL</u> Under log | |
| <u>GR</u> On ground | <u>LS</u> Low shrub | <u>UR</u> Under rock | |
| <u>HS</u> High shrub | <u>MC</u> Mid canopy | <u>WH</u> Waterhole | |

20 JUN 2007

Diurnal Bird - Ridge



ENTERED

Diurnal Bird Survey
Proforma - Ridge

| | |
|------------|---------|
| Project #: | 4447 |
| Observer: | DCG |
| Date: | 11/5/07 |

| | | | |
|---|------|-------------------|-------------------|
| Location and timing | | Start | Finish |
| MGA Zone: | 56 | Easting 0292143 | Easting 200000 |
| | 5527 | Northing 6191084 | Northing 2000000 |
| | | Time (24 h): 0920 | Time (24 h): 0940 |
| Map sheet Name: | | Map sheet number: | LGA: |
| Location description: Under powerline on 6F TRACK | | | |

| | |
|------------------------------|--------|
| Survey Details | |
| Number of surveyors? | 1 |
| Total effort (person hours)? | 20 min |
| Number of hectares covered? | 0.5 |

| | |
|----------------------------|------|
| Weather at start of survey | |
| Cloud cover: | 2/8 |
| Wind Direction and speed: | 0 |
| Temperature (°C): | 10°C |
| Comments: | |
| Moon: | N/A |
| Rain: | Nil |

Cloud cover: Record cover in eighths of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------|--------------------|----|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | I heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| | | Tr | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | N | Nest or roost |
| | | Y | Bones or teeth |
| | | N | Not located |

| | | | |
|-------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DI | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FG | In/on post or stump | IW | In water |
| FC | Flying within canopy | JG | Lower canopy |
| GU | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TR | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

20 JUN 2007 ENTERED

Diurnal Ridge Survey S529



Diurnal Bird Survey
Proforma - ridge
S529

| | |
|------------|---------|
| Project #: | 4447 |
| Observer: | DCG |
| Date: | 13/5/07 |

| Location and timing: | Start | Finish |
|---|-------------------|-------------------|
| MGA Zone: 56 | Basting 290277 | Easting 777777 |
| | Northing 679633 | Northing 777777 |
| | Time (24 h): 0935 | Time (24 h): 0955 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: TRACK 6 NORTH OF S122 | | |

| Survey Details | |
|------------------------------|--------|
| Number of surveyors? | 1 |
| Number of hectares covered? | 0.5 |
| Total effort (person hours)? | 20 min |

| Weather at start of survey: | |
|-----------------------------|------|
| Cloud cover: | 8/8 |
| Wind Direction and speed: | 1-0 |
| Temperature (°C): | 15°C |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| U | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| IC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

20 JUN 2007

ENTERED
205

BIOSIS

Diurnal Bird Survey Proforma

Ridge site.

Project #: 4447

Observer: JC, RMH, MS, TP.

Date: 15-5-07

| | | | |
|---|-------------------|-------------------|------------------|
| Location and timing | | Start S465 | Finish |
| MGA Zone: A56 | Easting 289675 | Easting 289675 | Easting 289675 |
| | Northing 6191044 | Northing 6191044 | Northing 6191044 |
| Map sheet Name: | Time (24 h): 8:24 | Time (24 h): 8:44 | LGA: |
| Location description: | | Map sheet number: | |
| Fire Rd 6A, long stretch of road b/w Swamp 11 and cages 1-6. Point census. | | | |

| | |
|----------------------------------|-------------------------------------|
| Survey Details | |
| Number of surveyors? 4 | Total effort (person hours)? 20mins |
| Number of hectares covered? | |
| Weather at start of survey: | |
| Cloud cover: 0/8 | Moon: — |
| Wind Direction and speed: S-Hill | Rain: — |
| Temperature (°C): Mild | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 = None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|---------------------------------------|--------------------|---------------------------------------|-------------------|---------------------------------------|----------------------|
| Observation types | | | | | |
| <input checked="" type="checkbox"/> O | Observed (sighted) | <input checked="" type="checkbox"/> R | Road kill | <input checked="" type="checkbox"/> F | Tracks, scratching |
| <input checked="" type="checkbox"/> W | Heard call | <input checked="" type="checkbox"/> D | Dog kill | <input checked="" type="checkbox"/> Z | In raptor/owl pellet |
| <input checked="" type="checkbox"/> X | In scat | <input checked="" type="checkbox"/> C | Cat kill | <input checked="" type="checkbox"/> M | Miscellaneous |
| <input checked="" type="checkbox"/> T | Trapped or netted | <input checked="" type="checkbox"/> V | Fox kill | <input checked="" type="checkbox"/> E | Nest or roost |
| <input checked="" type="checkbox"/> H | Hair or feathers | <input checked="" type="checkbox"/> S | Shot | <input checked="" type="checkbox"/> Y | Bones or teeth |
| <input checked="" type="checkbox"/> A | Stranded/beached | <input checked="" type="checkbox"/> I | Fossil/sub-fossil | <input checked="" type="checkbox"/> N | Not located |

| | | | | | |
|--|----------------------|--|----------------|--|---------------|
| Microhabitat type | | | | | |
| <input checked="" type="checkbox"/> AC | Flying above canopy | <input checked="" type="checkbox"/> IB | In burrow | <input checked="" type="checkbox"/> OB | On beach sand |
| <input checked="" type="checkbox"/> BR | In/on bridge | <input checked="" type="checkbox"/> IC | In cave | <input checked="" type="checkbox"/> OL | On log |
| <input checked="" type="checkbox"/> BU | In building | <input checked="" type="checkbox"/> IG | In grass | <input checked="" type="checkbox"/> OR | On rock |
| <input checked="" type="checkbox"/> CK | Crevice in rock | <input checked="" type="checkbox"/> IH | In tree hollow | <input checked="" type="checkbox"/> OW | Over water |
| <input checked="" type="checkbox"/> CL | Crevice in log | <input checked="" type="checkbox"/> IL | In litter | <input checked="" type="checkbox"/> RD | On road |
| <input checked="" type="checkbox"/> DA | Farm/fire dam | <input checked="" type="checkbox"/> IR | In reeds | <input checked="" type="checkbox"/> TK | ON trunk |
| <input checked="" type="checkbox"/> DT | In dead tree (stag) | <input checked="" type="checkbox"/> IS | In soil | <input checked="" type="checkbox"/> UB | Under bark |
| <input checked="" type="checkbox"/> EW | Edge of water | <input checked="" type="checkbox"/> IT | In live tree | <input checked="" type="checkbox"/> UC | Upper canopy |
| <input checked="" type="checkbox"/> FC | In/on post or stump | <input checked="" type="checkbox"/> IW | In water | <input checked="" type="checkbox"/> UG | Undergrowth |
| <input checked="" type="checkbox"/> FL | Flying within canopy | <input checked="" type="checkbox"/> LC | Lower canopy | <input checked="" type="checkbox"/> UL | Under log |
| <input checked="" type="checkbox"/> GR | On ground | <input checked="" type="checkbox"/> LS | Low shrub | <input checked="" type="checkbox"/> UR | Under rock |
| <input checked="" type="checkbox"/> HS | High shrub | <input checked="" type="checkbox"/> MC | Mid canopy | <input checked="" type="checkbox"/> WH | Waterhole |

20 JUN 2007

ENTERED
104

BIOSIS

Diurnal Bird Survey Proforma

Ridge site.

Project #: 4447

Observer: RMH, JR, TP

Date: 16.5.07

| Location and timing | Start 5467 | Finish |
|----------------------------|---|--|
| MGA Zone: GPS 6 | Easting <input type="text" value="288883"/> | Easting <input type="text" value=""/> |
| | Northing <input type="text" value="6190115"/> | Northing <input type="text" value=""/> |
| | Time (24 h): 16:46 | Time (24 h): 17:06 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:

Down track that leads to Lake Avon from A20 on Gr.
Point census.

Survey Details

Number of surveyors? 3 Total effort (person hours)? 20mins

Number of hectares covered?

Weather at start of survey

Cloud cover: 1/8 Moon: -

Wind Direction and speed: Still Rain: -

Temperature (°C): Mild

Comments:

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed. Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

Observation types

| | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

Microhabitat type

| | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TR ON trunk |
| DT In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |

ENTERED
703



**Diurnal Bird Survey
Proforma**

Ridge site. Transect

| |
|--------------------|
| Project #: 4447 |
| Observer: JC + RMM |
| Date: 12-5-07 |

| | | |
|--|--------------------|--------------------|
| Location and timing | Start S451 | Finish S452 |
| MGA Zone: APS6 | Easting 287708 | Easting 287657 |
| | Northing 619472 | Northing 619443 |
| | Time (24 h): 11:39 | Time (24 h): 11:59 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: Start at railway intersection near DCSA and walk NW along railway edge. (in Kowla habitat/veg). | | |

| | |
|-----------------------------------|-------------------------------------|
| Survey Details | |
| Number of surveyors? 2 | Total effort (person hours)? 20mins |
| Number of hectares covered? ~ 90m | |

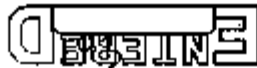
| | |
|------------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: — |
| Wind Direction and speed: Mostly 1 | Rain: — |
| Temperature (°C): Warm | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Observation types | | |
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | N : Nest or roost |
| H : Hair or feathers | S : Shot | B : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | L : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Microhabitat type | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BU : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Farm/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | TB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| FC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

23 JUN 2007



Diurnal Bird Survey Proforma

St65- Diurnal Bird - Ridge.

08528

| | |
|------------|---------|
| Project #: | L447 |
| Observer: | MV RDM |
| Date: | 19/4/07 |

| Location and timing: | Start | Finish |
|-----------------------------------|---|--|
| MGA Zone: | Easting <input type="text" value="290552"/> | Easting <input type="text" value=""/> |
| <input type="text" value="Xolt"/> | Northing <input type="text" value="6194070"/> | Northing <input type="text" value=""/> |
| | Time (24 h): 08:35 | Time (24 h): 08:55 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: | end of Laker trench - Ridge diurnal bird survey | |

| Survey Details | |
|------------------------------|-----|
| Number of surveyors? | 2 |
| Total effort (person hours)? | 20m |
| Number of hectares covered? | |
| Weather at start of survey | |
| Cloud cover: | 7 |
| Wind Direction and speed: | N 0 |
| Temperature (°C): | 11° |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|----------|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | E | Nest or roost |
| | | B | Bones or teeth |
| | | N | Not located |

| Microhabitat Type | | | |
|-------------------|----------------------|-----------|----------------|
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IJ | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TR | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

S159 - Diurnal Bird - Ridge
GPS #8

20 JUL 2007



Diurnal Bird Survey
Proforma

ENTERED
194

| | |
|------------|---------|
| Project #: | 4447 |
| Observer: | MV RM |
| Date: | 20/4/07 |

| | | |
|--|--|--|
| Location and timing | Start | Finish |
| MGA Zone: | Easting <input type="text" value="28882"/> | Easting <input type="text" value=""/> |
| <i>WIP PO3</i> | Northing <input type="text" value="619374"/> | Northing <input type="text" value=""/> |
| | Time (24 h): <i>07:25</i> | Time (24 h): <i>17:45</i> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <i>Ridge east of Luke's track.</i> | | |

| | |
|------------------------------|---------------|
| Survey Details | |
| Number of surveyors? | <i>2</i> |
| Total effort (person hours)? | <i>20 min</i> |
| Number of hectares covered? | |

| | |
|----------------------------|------------|
| Weather at start of survey | |
| Cloud cover: | <i>0</i> |
| Wind Direction and speed: | <i>N 0</i> |
| Temperature (°C): | <i>16</i> |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 = None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| O : Observed (sighted) | R : Road kill | T : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| I : Trapped or netted | F : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | B : Bones or teeth |
| A : Stranded/beached | L : Fossil/sub-fossil | N : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OL : On log |
| BL : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | OD : On road |
| DA : Farm/fire dam | IR : In reeds | OT : On trunk |
| DT : In dead tree (snag) | IS : In soil | UB : Under bark |
| EY : Edge of water | IT : In live tree | UC : Upper canopy |
| PC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WH : Waterhole |

S158 - Diurnal Bird - Ridge.

RIDGE 11/1/07 11:30



Diurnal Bird Survey Proforma

ENTERED
145

| | |
|------------|---------|
| Project #: | 4147 |
| Observer: | MV RMM |
| Date: | 20/4/07 |

| Location and timing | Start | Finish |
|-----------------------|---------------------------|---------------------------|
| MGA Zone: | Easting <u>289939</u> | Easting <u>00000</u> |
| <u>zone POZ</u> | Northing <u>6794254</u> | Northing <u>000000</u> |
| Map sheet Name: | Time (24 h): <u>06:55</u> | Time (24 h): <u>07:15</u> |
| Location description: | Map sheet number: | LGA: |

| Survey Details | |
|------------------------------|-------------|
| Number of surveyors? | <u>2</u> |
| Number of hectares covered? | <u>0.00</u> |
| Total effort (person hours)? | <u>2.00</u> |

| Weather at start of survey | |
|-------------------------------------|-----------------|
| Cloud cover: <u>0/8</u> | Moon: <u>--</u> |
| Wind Direction and speed: <u>--</u> | Rain: <u>--</u> |
| Temperature (°C): <u>14.0</u> | |
| Comments: <u>MOST BIRDS DISTANT</u> | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|----------|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| | | F | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | E | Nest or roost |
| | | B | Bones or teeth |
| | | N | Not located |

| Microhabitat Type | | | |
|-------------------|----------------------|-----------|----------------|
| AC | Flying above canopy | AB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CR | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Dam/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GB | On ground | LS | Low shrub |
| GS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RO | On road |
| | | TR | On trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |



Diurnal Bird Survey Proforma

ENTERED
196

S118 - Diurnal ~~Bird~~ - Ridge
Ridge

| |
|------------------|
| Project #: 4447 |
| Observer: MV Rmm |
| Date: 20/4/07 |

| Location and timing | Start | Finish |
|---|-------------------|-------------------|
| MGA Zone: | Easting 289903 | Easting 7777 |
| Upr 118 | Northing 6193874 | Northing 7777 |
| | Time (24 h): 7.55 | Time (24 h): 8.15 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Ridge Bird Survey Luke's track. | | |

| Survey Details | |
|-----------------------------|-----------------------------------|
| Number of surveyors? 2 | Total effort (person hours)? 20.0 |
| Number of hectares covered? | |

| Weather at start of survey | |
|---|---------|
| Cloud cover: 0 | Moon: 0 |
| Wind Direction and speed: SW (S) 1 | Rain: 0 |
| Temperature (°C): 16 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | T | Tracks, scratching |
| W | Heard call | D | Dog kill | X | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | F | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | B | Bones or teeth |
| A | Stranded/beached | F | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IU | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | ML | Mid canopy | WH | Waterhole |

S128-Diurnal Bird - Ridge
 UPS RIDGE BS

20 JUN 2007



Diurnal Bird Survey
 Proforma

ENTERED
 17

Project #: 4447
 Observer: RMM, KJC
 Date: 22/4/07

| Location and timing: | Start | Finish |
|--|--------------------|--------------------|
| MGA Zone: | Easting 292234 | Easting 0000 |
| WPT 128 | Northing 019764 | Northing 0000 |
| Map sheet Name: | Time (24 h): 08:08 | Time (24 h): 08:28 |
| Location description: | Map sheet number: | LGA: |
| On 6C at northern end of study area, close to 8005 | | |

| Survey Details: | |
|------------------------------|--------|
| Number of surveyors? | 2 |
| Total effort (person hours)? | 20 min |
| Number of hectares covered? | |

| Weather at start of survey: | |
|-----------------------------|------|
| Cloud cover: | 100% |
| Wind Direction and speed: | N 10 |
| Temperature (°C): | 18° |
| Comments: | |
| Moon: | 0 |
| Rain: | 0 |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | |
|-------------------|--------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| S | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| U | Ultr or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| | | P | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | N | Nest or roost |
| | | B | Bones or teeth |
| | | L | Not located |

| Microhabitat type | | | |
|-------------------|----------------------|----|----------------|
| AC | Flying above canopy | AB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DE | In dead tree (stag) | IS | In soil |
| EA | Edge of water | IT | In live tree |
| EP | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GL | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TK | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

S129- Diurnal Bird - Ridge
 RIDGE

20.05.2007



Diurnal Bird Survey
 Proforma

ENTERED
 198

Project #: 4447
 Observer: KJC + Rmm
 Date: 21/04/07

| Location and timing | Start | Finish |
|--|--------------------|--------------------|
| MGA Zone: 56 GPS 8 | Easting 292730 | Easting 000000 |
| WPT 129 | Northing 6096629 | Northing 0000000 |
| | Time (24 h): 09:00 | Time (24 h): 09:20 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: on 6L track which runs off 6C (near transmission line) | | |

| Survey Details | |
|-------------------------------|-----------------------------------|
| Number of surveyors? 1 | Total effort (person hours)? 0.33 |
| Number of hectares covered? - | |

| Weather at start of survey | |
|-----------------------------|-----------|
| Cloud cover: 8/8 | Moon: ? |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 18.0 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | |
|---|--|--|
| <input type="checkbox"/> O Observed (sighted) | <input type="checkbox"/> R Road kill | <input type="checkbox"/> F Tracks, scratching |
| <input type="checkbox"/> W Heard call | <input type="checkbox"/> D Dog kill | <input type="checkbox"/> Z In raptor/owls pellet |
| <input checked="" type="checkbox"/> X In scat | <input type="checkbox"/> C Cat kill | <input type="checkbox"/> M Miscellaneous |
| <input type="checkbox"/> T Trapped or netted | <input type="checkbox"/> A Fox kill | <input type="checkbox"/> E Nest or roost |
| <input type="checkbox"/> H Hair or feathers | <input type="checkbox"/> S Shot | <input type="checkbox"/> Y Bones or teeth |
| <input type="checkbox"/> X Stranded/beached | <input type="checkbox"/> I Fossil/sub-fossil | <input type="checkbox"/> N Not located |

| Microhabitat Type | | |
|--|--|---|
| <input type="checkbox"/> AC Flying above canopy | <input type="checkbox"/> IB In burrow | <input type="checkbox"/> OB On beach sand |
| <input type="checkbox"/> BR In/on bridge | <input type="checkbox"/> IC In cave | <input type="checkbox"/> OL On log |
| <input type="checkbox"/> BL In building | <input type="checkbox"/> IG In grass | <input type="checkbox"/> OR On rock |
| <input type="checkbox"/> CK Crevice in rock | <input type="checkbox"/> IH In tree hollow | <input type="checkbox"/> OW Over water |
| <input type="checkbox"/> CL Crevice in log | <input type="checkbox"/> IL In litter | <input type="checkbox"/> RB On road |
| <input type="checkbox"/> DA Farm/Ere dam | <input type="checkbox"/> IR In reeds | <input type="checkbox"/> TR ON trunk |
| <input type="checkbox"/> DT In dead tree (stag) | <input type="checkbox"/> IS In soil | <input type="checkbox"/> UB Under bark |
| <input type="checkbox"/> EW Edge of water | <input type="checkbox"/> IT In live tree | <input type="checkbox"/> UC Upper canopy |
| <input type="checkbox"/> FC In/on post or stump | <input type="checkbox"/> IW In water | <input type="checkbox"/> UG Undergrowth |
| <input type="checkbox"/> FL Flying within canopy | <input type="checkbox"/> LC Lower canopy | <input type="checkbox"/> UL Under log |
| <input type="checkbox"/> GR On ground | <input type="checkbox"/> LS Low shrub | <input type="checkbox"/> UR Under rock |
| <input type="checkbox"/> HS High shrub | <input type="checkbox"/> MC Mid canopy | <input type="checkbox"/> WR Waterhole |

2007

S131 - Diurnal Blvd - Ridge
 GPS 48
 RIDGE



Diurnal Bird Survey
 Proforma

ENTERED
 19

Project #: 4447
 Observer: KSC RmM
 Date: 2/4/07

| Location and timing | Start | Finish |
|---|--------------------------------------|--------------------------------------|
| MGA Zone: | Easting 291930 | Easting 291930 |
| WOT 131 | Northing 619934 Time (24 h): 9:34 | Northing 619934 Time (24 h): 9:54 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: track 6F near transmission line | | |

Survey Details

Number of surveyors? 2 Total effort (person hours)? 20 min
 Number of hectares covered?

Weather at start of survey

Cloud cover: 100% Moon: 0
 Wind Direction and speed: 0 Rain: 0
 Temperature (°C): 18°
 Comments:

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | E | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | F | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | AB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| K | Crevice in rock | IH | In tree hollow | OW | Over water |
| LC | Crevice in log | IL | In litter | RD | On road |
| FD | Farm/fire dam | IR | In reeds | TR | On trunk |
| IT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| IP | In/on post or stump | IW | In water | UG | Undergrowth |
| WC | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

20 JUN 2007

ENTERED
200

BIOSIS

Diurnal Bird Survey
Proforma

Ridge site

Project #: 4447

Observer: JC, RVB & NEO

Date: 22/4/07

| | | |
|---|--------------------------|-------------------------------|
| Location and timing | S65 Start | S66 Finish 22/4/07 |
| MGA Zone: S6 | Lasting 2 8 9 9 7 3 | Lasting 2 8 9 4 6 7 |
| | Northing 1 6 1 9 4 3 0 5 | Northing 6 1 1 9 4 2 4 5 |
| | Time (24 h): 16:03 | Time (24 h): 16:33 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Near PO2 on Luke's track, walking West towards Donald's Castle Creek. | | |

| | | |
|------------------------------------|--------|------------------------------------|
| Survey Details | | |
| Number of surveyors? | 2 | Total effort (person hours)? 0.5hr |
| Number of hectares covered? | | |
| Weather at start of survey: | | |
| Cloud cover: | 6/8 | Moon: - |
| Wind Direction and speed: | S-Hill | Rain: None |
| Temperature (°C): Warm | | |
| Comments: | | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|--------------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | F | Fossil/sub-fossil |
| | | F | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | E | Nest or roost |
| | | Y | Bones or teeth |
| | | N | Not located |

| | | | |
|--------------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FO | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TR | ON trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |

21 JUN 2007

ENTERED
261



BIOSIS

Diurnal Bird Survey
Proforma

Ridge Site

| |
|-----------------------|
| Project #: 447 |
| Observer: JC, RVB, NO |
| Date: 21-4-07 |

| | | |
|---|---------------------------|---------------------------|
| Location and timing: | Start <u>S57</u> | Finish <u>S58</u> |
| MGA Zone: | Easting <u>288566</u> | Easting <u>289086</u> |
| | Northing <u>6193159</u> | Northing <u>6193782</u> |
| | Time (24 h): <u>17:00</u> | Time (24 h): <u>17:30</u> |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: <u>Seismic line off Fire Rd 6A heading towards Donald's Castle Creek. Part at X29.</u> | | |

| | |
|---|---|
| Survey Details | |
| Number of surveyors? <u>3</u> | Total effort (person hours)? <u>0.5hr</u> |
| Number of hectares covered? <u>800m</u> | |

| | |
|---------------------------------------|----------------------|
| Weather at start of survey | |
| Cloud cover: <u>0/8</u> | Moon: <u>None</u> |
| Wind Direction and speed: <u>S 11</u> | Rain: <u>None</u> |
| Temperature (°C): <u>16.2</u> | Humidity: <u>76%</u> |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 = None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|----------------------------|--------------------|----------------------------|----------------------|
| Observation types | | | |
| <input type="checkbox"/> O | Observed (sighted) | <input type="checkbox"/> R | Road kill |
| <input type="checkbox"/> W | Heard call | <input type="checkbox"/> D | Dug kill |
| <input type="checkbox"/> X | In scat | <input type="checkbox"/> C | Cat kill |
| <input type="checkbox"/> T | Trapped or netted | <input type="checkbox"/> F | Fox kill |
| <input type="checkbox"/> H | Hair or feathers | <input type="checkbox"/> S | Shot |
| <input type="checkbox"/> A | Stranded/beached | <input type="checkbox"/> I | Fossil/sub-fossil |
| <input type="checkbox"/> E | Tracks, scorching | <input type="checkbox"/> Z | In raptor/owl pellet |
| <input type="checkbox"/> M | Miscellaneous | <input type="checkbox"/> N | Not located |
| <input type="checkbox"/> B | Nest or roost | | |
| <input type="checkbox"/> Y | Bones or teeth | | |

| | | | |
|-----------------------------|----------------------|-----------------------------|----------------|
| Microhabitat Type | | | |
| <input type="checkbox"/> AC | Flying above canopy | <input type="checkbox"/> IB | In burrow |
| <input type="checkbox"/> BR | In/on bridge | <input type="checkbox"/> IC | In cave |
| <input type="checkbox"/> BU | In building | <input type="checkbox"/> IG | In grass |
| <input type="checkbox"/> CK | Crevice in rock | <input type="checkbox"/> IH | In tree hollow |
| <input type="checkbox"/> CL | Crevice in log | <input type="checkbox"/> IL | In litter |
| <input type="checkbox"/> DA | Farm/fire dam | <input type="checkbox"/> IR | In rocks |
| <input type="checkbox"/> DT | In dead tree (stag) | <input type="checkbox"/> IS | In soil |
| <input type="checkbox"/> EW | Edge of water | <input type="checkbox"/> IT | In live tree |
| <input type="checkbox"/> FT | In/on post or stump | <input type="checkbox"/> IW | In water |
| <input type="checkbox"/> FC | Flying within canopy | <input type="checkbox"/> LC | Lower canopy |
| <input type="checkbox"/> GR | On ground | <input type="checkbox"/> LS | Low shrub |
| <input type="checkbox"/> HS | High shrub | <input type="checkbox"/> MC | Mid canopy |
| <input type="checkbox"/> OB | On beach sand | <input type="checkbox"/> OR | On rock |
| <input type="checkbox"/> OL | On log | <input type="checkbox"/> OW | Over water |
| <input type="checkbox"/> RB | On road | <input type="checkbox"/> RD | On road |
| <input type="checkbox"/> TK | ON trunk | <input type="checkbox"/> EB | Under bark |
| <input type="checkbox"/> UC | Upper canopy | <input type="checkbox"/> EC | Upper canopy |
| <input type="checkbox"/> UG | Undergrowth | <input type="checkbox"/> UL | Under log |
| <input type="checkbox"/> UR | Under rock | <input type="checkbox"/> WR | Waterhole |

ENTERED
202



Diurnal Bird Survey
Proforma

Ridge site.

| | |
|------------|----------|
| Project #: | 4447 |
| Observer: | RUB + JC |
| Date: | 20.4.07 |

| | | |
|---|--------------------|--------------------|
| Location and timing: | Start S44 | Finish S45 |
| MGA Zone: | Easting 288515 | Lasting 288428 |
| | Northing 6193163 | Northing 6193015 |
| | Time (24 h): 15:43 | Time (24 h): 16:03 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Dirt track off railway line shortly after crossing Road 6A. Transect head | | |

| | |
|------------------------------|---|
| Survey Details | |
| Number of surveyors? | 2 |
| Number of hectares covered? | |
| Total effort (person hours)? | |

| | |
|-----------------------------------|--------------|
| Weather at start of survey | |
| Cloud cover: | 6/8 |
| Wind Direction and speed: | Light breeze |
| Temperature (°C): | |
| Comments: | |
| Moon: | None |
| Rain: | None |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|--------------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | E | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Car kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | N | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | F | Fossil/sub-fossil | N | Not located |

| | | | | | |
|--------------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| FW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UL | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UR | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

26 JUN 2007

ENTERED
200

Diurnal Bird - Ridge



Diurnal Bird Survey Proforma

Project #: 4447

Observer: KJC

Date: 11/5/07

| | | |
|---|--------------------|--------------------|
| Location and timing | S526 Start | Finish |
| MGA Zone: 56 | Easting 299619 | Easting 300000 |
| | Northing 6196703 | Northing 6200000 |
| | Time (24 h): 07-10 | Time (24 h): 07-30 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: 6 - ridge. (on 6 fire trail up from Wonganulla ck) | | |

| | |
|-------------------------------|----------------------------------|
| Survey Details | |
| Number of surveyors? 1 | Total effort (person hours)? 0.3 |
| Number of hectares covered? 0 | |

| | |
|-----------------------------|----------|
| Weather at start of survey | |
| Cloud cover: 1/6 | Moon: - |
| Wind Direction and speed: 0 | Rain: NW |
| Temperature (°C): 20.0 | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | | |
|-----------------------|----------------------|-------------------------|--|
| Observation types | | | |
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching | |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet | |
| X: In scat | C: Cat kill | M: Miscellaneous | |
| T: Trapped or netted | V: Fox kill | N: Nest or roost | |
| HL: Hair or feathers | S: Shot | Y: Bones or teeth | |
| A: Stranded/beached | L: Fossil/sub-fossil | N: Not located | |

| | | | |
|--------------------------|--------------------|-------------------|--|
| Microhabitat Type | | | |
| AC: Flying above canopy | IB: In burrow | OB: On beach sand | |
| BR: In/on bridge | IC: In cave | OF: On log | |
| BL: In building | IG: In grass | OR: On rock | |
| CR: Crevice in rock | IH: In tree hollow | OW: Over water | |
| CL: Crevice in log | IL: In litter | RD: On road | |
| DA: Farm/fire dam | IR: In reeds | TR: ON trunk | |
| DL: In dead tree (stag) | IS: In soil | UB: Under bark | |
| EW: Edge of water | IT: In live tree | UC: Upper canopy | |
| EC: In/on post or stump | IW: In water | UG: Undergrowth | |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log | |
| GR: On ground | LS: Low shrub | UR: Under rock | |
| HS: High shrub | MC: Mid canopy | WH: Waterhole | |

ENTERED
235



Trapping Survey
Proforma

Cages 1-6, gully.

Project #: 447
Observer: JC, KJC, RMH, DC
Date: 7-5-07 - 17-5-07
Trap ID: C1-C6.

| | | |
|---------------------|-----------------------------|---------------------------|
| Location and timing | Start S401 | Finish S402 |
| AMG Zone: | Easting 290108 | Easting 290209 |
| | Northing 6190611 | Northing 6190709 |
| | Time (24 h): 12:30pm 7-5-07 | Time (24 h): 8:45 17-5-07 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:
Rocky gully east of fire rd 6A, SW corner of study area.
1 trap on west of road, 5 on east.

| | |
|----------------------------|-------------------------------|
| Survey Details | |
| Date Traps set? 7-5-07 | Date traps collected? |
| Type of trap? Cage | Dimension of traps (LxWxB)? |
| Number of traps? 6 | Interval between traps? ~ 20m |
| Length of transect? ~ 150m | Bait used? raw chicken wings |

| | |
|---------------------------------|------------|
| Weather at start of survey | |
| Cloud cover: 7/8 | Moon: - |
| Wind Direction and speed: still | Rain: None |
| Temperature (°C): Hot | |
| Comments: | 10 nights. |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| Observation types | | | | | |
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| Microhabitat Type | | | | | |
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FO | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

ENTERED
236



Trapping Survey
Proforma

Cages 7-12. Gully.

Project #: 4447
Observer: DCG
Date: 7/5/07 - 17.5.07

| | | |
|----------------------|-----------------------------|----------------------------|
| Location and timing: | 5500 Start C7 | 5501 Finish C12 |
| MGA Zone: 56 | Easting 210704 | Easting 2190704 |
| | Northing 61939190 | Northing 611941416 |
| | Time (24 h): ~ 11:00 7.5.07 | Time (24 h): 09:15 17.5.07 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description: Beside Wanganui - traps C7-12 run along western side of creek (C7 upstream). From X04 walk down to creek following flagging tape to X402.

| | |
|----------------------------|-----------------------------|
| Survey Details | |
| Date Traps set? 7/5/07 | Date traps collected? |
| Type of trap? Cage/Treadle | Dimension of traps (LxWxB)? |
| Number of traps? 6 | Interval between traps? 20m |
| Length of transect? 120m | Bait used? Chicken wings |

| | |
|-----------------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: ☾ |
| Wind Direction and speed: -- | Rain: Nil |
| Temperature (°C): 22°C | |
| Comments: 10 nights. | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 = None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|--------------------------|----------------------|-------------------------|
| Observation types | | |
| O: Observed (sighted) | R: Road kill | T: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet |
| X: In scat | C: Cat kill | M: Miscellaneous |
| U: Trapped or netted | V: Fox kill | N: Nest or roost |
| H: Hair or feathers | S: Shot | Y: Bones or teeth |
| A: Stranded/beached | F: Fossil/sub-fossil | Q: Not located |

| | | |
|--------------------------|--------------------|-------------------|
| Microhabitat Type | | |
| AC: Flying above canopy | IB: In burrow | OB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| DA: Farm/fire dam | IR: In reeds | TK: ON trunk |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | LC: Upper canopy |
| PC: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LO: Lower canopy | UL: Under log |
| GB: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |



Trapping Survey Proforma

Project #: 4447
 Observer: JC + RMM
 Date: 7.5.07 - 17.5.07
 Trap ID: C13 - C18

Cages 13-18 Gully.

| | | | | | |
|---|-------------------|---------|--------------|---------|---------|
| Location and timing | | Start | S403 | Finish | S404 |
| AMG Zone: | Easting | 289832 | Easting | 289784 | |
| | Northing | 6194242 | Northing | 6194343 | |
| | Time (24 h): | 14:45 | Time (24 h): | 9:30 | 17.5.07 |
| Map sheet Name: | Map sheet number: | | LGA: | | |
| Location description: Below 2 nd ridge from Luke's Track heading towards Donald's Castle Creek (Park at SGS). | | | | | |

| | |
|----------------------------|-------------------------------|
| Survey Details | |
| Date Traps set? 7.5.07 | Date traps collected? — |
| Type of trap? Cage | Dimension of traps (LxWxB)? |
| Number of traps? 6 | Interval between traps? ≈ 20m |
| Length of transect? ≈ 110m | Bait used? raw chicken wings |

| | |
|--|------------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: — |
| Wind Direction and speed: Still - light breeze | Rain: None |
| Temperature (°C): Mild | |
| Comments: 10 nights. | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 - ¼ Moon, 2 - ½ Moon, 4 - Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | | |
|-------------------------------|------------------------------|---------------------------------|
| Observation types | | |
| O : Observed (sighted) | R : Road kill | F : Tracks, scratching |
| W : Heard call | D : Dog kill | Z : In raptor/owl pellet |
| X : In scat | C : Cat kill | M : Miscellaneous |
| T : Trapped or netted | V : Fox kill | E : Nest or roost |
| H : Hair or feathers | S : Shot | Y : Bones or teeth |
| A : Stranded/beached | I : Fossil/sub-fossil | N : Not located |

| | | |
|----------------------------------|----------------------------|---------------------------|
| Microhabitat Type | | |
| AC : Flying above canopy | IB : In burrow | OB : On beach sand |
| BR : In/on bridge | IC : In cave | OE : On log |
| BE : In building | IG : In grass | OR : On rock |
| CK : Crevice in rock | IH : In tree hollow | OW : Over water |
| CL : Crevice in log | IL : In litter | RD : On road |
| DA : Dam/fire dam | IR : In reeds | TK : ON trunk |
| DT : In dead tree (stag) | IS : In soil | UB : Under bark |
| EW : Edge of water | IT : In live tree | UC : Upper canopy |
| PC : In/on post or stump | IW : In water | UG : Undergrowth |
| FL : Flying within canopy | LC : Lower canopy | UL : Under log |
| GR : On ground | LS : Low shrub | UR : Under rock |
| HS : High shrub | MC : Mid canopy | WB : Waterhole |



Trapping Survey Proforma

| |
|------------------------|
| Project #: 4447 |
| Observer: RMM + JZ |
| Date: 7-5-07 - 17-5-07 |
| Trap ID: C19 - C24 |

Cages 19-24 - gully.

| | | |
|---------------------|---------------------------|----------------------------|
| Location and timing | Start 5406 | Finish 5407 |
| AMG Zone: CPS 6 | Easting 290978 | Easting 291027 |
| | Northing 6197283 | Northing 6197159 |
| | Time (24 h): 16:30 7-5-07 | Time (24 h): 08:00 17-5-07 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:
 Wanganui Creek from Fire rd 6. Upstream.
 3 on RHS, cross over rock platform, 3 on LHS.

| | |
|----------------------------|-------------------------------|
| Survey Details | |
| Date Traps set? 7-5-07 | Date traps collected? |
| Type of trap? Cage | Dimension of traps (LxWxB)? |
| Number of traps? 6 | Interval between traps? ~ 20m |
| Length of transect? = 140m | Bait used? raw chicken wings |

| | |
|---------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: - |
| Wind Direction and speed: Still | Rain: - |
| Temperature (°C): Mild | |
| Comments: 10 nights. | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| F | Tracks, scratching | Z | In raptor/ow. pellet |
| M | Miscellaneous | E | Nest or roost |
| Y | Bones or teeth | N | Not located |

| | | | |
|-------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| AR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CR | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In reeds |
| DL | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FG | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | OL | On log |
| OR | On rock | OW | Over water |
| RD | On road | TR | On trunk |
| UB | Under bark | UC | Upper canopy |
| UG | Undergrowth | UL | Under log |
| UR | Under rock | WH | Waterhole |

* Don't forget 1 x cage trap on ground near parking spot. *



Trapping Survey Proforma

| |
|----------------------------|
| Project #: 4447 |
| Observer: JC, KJC, RMH, DG |
| Date: 8.5.07 - 18.5.07 |
| Trap ID: C31-C36 |

Cages 31-36 - Gully

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---------------------------|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location and timing | Start | Finish | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AMC Zone: | Above line 5412 - Below line 5414 Easting <table border="1"><tr><td>2</td><td>9</td><td>3</td><td>6</td><td>3</td><td>9</td></tr><tr><td>2</td><td>9</td><td>3</td><td>6</td><td>3</td><td>2</td></tr></table> | 2 | 9 | 3 | 6 | 3 | 9 | 2 | 9 | 3 | 6 | 3 | 2 | Above 5413 - Below line 5415 Easting <table border="1"><tr><td>2</td><td>9</td><td>3</td><td>6</td><td>7</td><td>4</td></tr><tr><td>2</td><td>9</td><td>3</td><td>6</td><td>3</td><td>3</td></tr></table> | 2 | 9 | 3 | 6 | 7 | 4 | 2 | 9 | 3 | 6 | 3 | 3 | | | |
| 2 | 9 | 3 | 6 | 3 | 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 9 | 3 | 6 | 3 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 9 | 3 | 6 | 7 | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 9 | 3 | 6 | 3 | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Northing <table border="1"><tr><td>6</td><td>1</td><td>9</td><td>7</td><td>7</td><td>4</td><td>5</td></tr><tr><td>6</td><td>1</td><td>9</td><td>7</td><td>8</td><td>5</td></tr></table> | 6 | 1 | 9 | 7 | 7 | 4 | 5 | 6 | 1 | 9 | 7 | 8 | 5 | Northing <table border="1"><tr><td>6</td><td>7</td><td>9</td><td>1</td><td>7</td><td>5</td><td>8</td></tr><tr><td>6</td><td>7</td><td>9</td><td>1</td><td>7</td><td>7</td><td>8</td></tr></table> | 6 | 7 | 9 | 1 | 7 | 5 | 8 | 6 | 7 | 9 | 1 | 7 | 7 | 8 |
| 6 | 1 | 9 | 7 | 7 | 4 | 5 | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 1 | 9 | 7 | 8 | 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 7 | 9 | 1 | 7 | 5 | 8 | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 7 | 9 | 1 | 7 | 7 | 8 | | | | | | | | | | | | | | | | | | | | | | | |
| | Time (24 h): 11:30 am 8.5.07 | Time (24 h): 8:30 18.5.07 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Map sheet Name: | Map sheet number: | LGA: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location description: Sandy Creek Trib B - waterfall area. 3 traps each side. 2 transects: 5412-5413 (cages 31-33) and 5414-5415 (cages 34-36). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--|-------------------------------|
| Survey Details | |
| Date Traps set? 8.5.07 | Date traps collected? - |
| Type of trap? Cage | Dimension of traps (LxWxB)? - |
| Number of traps? 6 | Interval between traps? ~ 20m |
| Length of transect? 2 short transects. | Bait used? raw chicken wings |

| | |
|---------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: - |
| Wind Direction and speed: still | Rain: - |
| Temperature (°C): Mild | |
| Comments: 10 nights. | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0-None, 1 - 1/4 Moon, 2 - 1/2 Moon, 4 - Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | |
|-----------------------------|----------------------------|-------------------------------|
| O Observed (sighted) | R Road kill | F Tracks, scratching |
| W Heard call | D Dog kill | Z In raptor/owl pellet |
| X In scat | C Cat kill | M Miscellaneous |
| T Trapped or netted | V Fox kill | E Nest or roost |
| H Hair or feathers | S Shot | Y Bones or teeth |
| A Stranded/beached | I Fossil/sub-fossil | N Not located |

| Microhabitat Types | | |
|--------------------------------|--------------------------|-------------------------|
| AC Flying above canopy | IB In burrow | OB On beach sand |
| BR In/on bridge | IC In cave | OL On log |
| BU In building | IG In grass | OR On rock |
| CK Crevice in rock | IH In tree hollow | OW Over water |
| CL Crevice in log | IL In litter | RD On road |
| DA Farm/fire dam | IR In reeds | TR ON trunk |
| DI In dead tree (stag) | IS In soil | UB Under bark |
| EW Edge of water | IT In live tree | UC Upper canopy |
| FC In/on post or stump | IW In water | UG Undergrowth |
| FL Flying within canopy | LC Lower canopy | UL Under log |
| GR On ground | LS Low shrub | UR Under rock |
| HS High shrub | MC Mid canopy | WH Waterhole |



Trapping Survey Proforma

Cages 25-30. Gully.

Project #: 4447

Observer: KJC + DCG

Date: 7/05/07 - 17.5.07

| | | |
|--|----------------------------|----------------------------|
| Location and timing | S403 Start | Finish DCTEND APS6 |
| MGA Zone: 56 | Easting 2 8 9 9 7 4 | Easting 2 8 9 0 5 5 |
| | Northing 6 1 9 4 3 0 4 | Northing 6 1 9 5 3 0 3 |
| | Time (24 h): 17:00 17.5.07 | Time (24 h): 08:30 17.5.07 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Donald's Castle. Trib - C25 → C30. Transect starts at (C25) at DCTZ and runs upstream on E side of creek. | | |

| | |
|--------------------------|-----------------------------|
| Survey Details | |
| Date traps set? 7/5/07 | Date traps collected? |
| Type of trap? Cage | Dimension of traps (LxWxB)? |
| Number of traps? 6 | Interval between traps? 20m |
| Length of transect? 120m | Bait used? Chicken. |

| | |
|-----------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: ? |
| Wind Direction and speed: - | Rain: Nil |
| Temperature (°C): 20 | |
| Comments: 10 nights. | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0 - None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | T | Tracks, scratching |
| W | Heard call | D | Dog kill | F | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | L | Fossil/sub-fossil | N | Not located |

| Microhabitat type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | EB | In burrow | OB | On beach sand |
| BB | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CK | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | OD | On road |
| DA | Farm/fire dam | IR | In reeds | TK | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

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Trapping Survey Proforma

Project #: 4447
 Observer: RMM + JC
 Date: 8.5.07 - 15.5.07
 Trap ID: HT8 - HT14.

Hair-tubes - upland swamp

| | | |
|--|---|--|
| Location and timing: | Start 5423 | Finish 5429 |
| AMG Zone: GPS6 | Easting 287818 | Easting 288093 |
| | Northing 6194367 | Northing 6194272 |
| | Time (24 h): 17:00 8.5.07 | Time (24 h): 11:00 15.5.07 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Donald's Castle Swamp A. | Tree 1 = 5423 Tree 2 = 5424 Tree 3 = 5425 | Tree 4 = 5426 Tree 5 = 5427 Tree 6 = 5428 Tree 7 = 5429 |

| | |
|--------------------------------|--|
| Survey Details | |
| Date Traps set? 8.5.07 | Date traps collected? 15.5.07 |
| Type of trap? Hair tube (blue) | Dimension of traps (LxWxH)? |
| Number of traps? 21 (7 trees) | Interval between traps? 40m = 40m |
| Length of transect? ≈ 300m | Bait used? universal bait |

| | |
|--|---------|
| Weather at start of survey | |
| Cloud cover: 7/8 | Moon: = |
| Wind Direction and speed: still - light breeze | Rain: = |
| Temperature (°C): Mild | |
| Comments: all out for 7 nights. | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | |
|-----------------------|----------------------|------------------------|
| Observation types | | |
| O: Observed (sighted) | R: Road kill | T: Tracks, scratching |
| W: Heard call | D: Dog kill | Z: In rapun/owl pellet |
| S: In scat | C: Cat kill | M: Miscellaneous |
| L: Trapped or netted | V: Vex kill | N: Nest or roost |
| H: Hair or feathers | S: Shot | B: Bones or teeth |
| A: Stranded/beached | F: Fossil/sub-fossil | N: Not located |

| | | |
|--------------------------|--------------------|-------------------|
| Microhabitat Type | | |
| AF: Flying above canopy | IB: In burrow | OB: On beach sand |
| BR: In/on bridge | IC: In cave | OL: On log |
| BU: In building | IG: In grass | OR: On rock |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water |
| CL: Crevice in log | IL: In litter | RD: On road |
| DA: Farm/fire dam | IR: In reeds | TK: ON trunk |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark |
| EW: Edge of water | IT: In live tree | UC: Upper canopy |
| FP: In/on post or stump | IW: In water | UG: Undergrowth |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log |
| GR: On ground | LS: Low shrub | UR: Under rock |
| HS: High shrub | MC: Mid canopy | WH: Waterhole |



Trapping Survey Proforma

Elliott's B's + E's - upland swamp

| |
|------------------------|
| Project #: 4447 |
| Observer: JC + RMM |
| Date: 8.5.07 - 12.5.07 |
| Trap ID: E1 - E6 |

4 nights

| | | |
|---|--------------------|------------------------|
| Location and timing: | Start 5416 | Finish 5421 |
| AMC Zone: 615b | Fasting 292507 | Fasting 292494 |
| | Northing 61194853 | Northing 61194694 |
| | Time (24 h): 15:00 | Time (24 h): ~ 12:30pm |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: 6C Swamp (upswamp from road). LHS of swamp. | | |
| | Tree 1 = 5416 | Tree 4 = 5416 |
| | Tree 2 = 5417 | Tree 5 = 542 |
| | Tree 3 = 5418 | Tree 6 = 544 |

| | |
|---------------------------------|-------------------------------|
| Survey Details | |
| Date Traps set? 8.5.07 | Date traps collected? |
| Type of trap? Elliott B's + E's | Dimension of traps (LxWxB)? |
| Number of traps? 6 of each size | Interval between traps? ~ 20m |
| Length of transect? | Bait used? universal bait |

| | |
|--|---------|
| Weather at start of survey | |
| Cloud cover: 6/8 | Moon: - |
| Wind Direction and speed: Still - light breeze | Rain: - |
| Temperature (°C): Warm - hot | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|--------------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | F | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| | | N | Not located |
| | | F | Tracks, scratching |
| | | Z | In raptor/owl pellet |
| | | M | Miscellaneous |
| | | E | Nest or roost |
| | | B | Bones or teeth |

| | | | |
|--------------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevice in rock | IH | In tree hollow |
| CL | Crevice in log | IL | In litter |
| DA | Farm/fire dam | IR | In rocks |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FC | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GK | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| | | OB | On beach sand |
| | | OL | On log |
| | | OR | On rock |
| | | OW | Over water |
| | | RD | On road |
| | | TK | On trunk |
| | | UB | Under bark |
| | | UC | Upper canopy |
| | | UG | Undergrowth |
| | | UL | Under log |
| | | UR | Under rock |
| | | WH | Waterhole |



Trapping Survey Proforma

Hair tubes - upland swamp

| |
|------------------------|
| Project #: 4447 |
| Observer: RMM + JL |
| Date: 8-5-07 - 12-5-07 |
| Trap ID: HT1 - HT7 |

4 nights

| | | |
|---|--|----------------------------|
| Location and timing | Start 5416 | Finish 5422 |
| AMG Zone: | Easting 292507 | Easting 292457 |
| | Northing 6194853 | Northing 6194687 |
| | Time (24 h): 15:00 8-5-07 | Time (24 h): 12:30 12-5-07 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: | Tree 1 = 5416 Tree 4 = 5419 Tree 2 = 5417 Tree 5 = 5420 Tree 3 = 5418 Tree 6 = 5421 Tree 7 = 5422 | |
| 6C Swamp (upswamp from road). LHS of swamp. | | |

| | |
|--------------------------------|-------------------------------|
| Survey Details | |
| Date Traps set? 8-5-07 | Date traps collected? |
| Type of trap? Hair tube (blue) | Dimension of traps (LxWxB)? |
| Number of traps? 21 (7 trees) | Interval between traps? ~ 70m |
| Length of transect? | Bait used? universal bait |

| | |
|--|---------|
| Weather at start of survey | |
| Cloud cover: 6/8 | Moon: - |
| Wind Direction and speed: still - light breeze | Rain: - |
| Temperature (°C): Dam - hot | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 = None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-----------------------------|----------------------------|-------------------------------|--|
| Observation types | | | |
| O Observed (sighted) | R Road kill | F Tracks, scratching | |
| W Heard call | D Dog kill | Z In raptor/owl pellet | |
| X In scat | C Cat kill | M Miscellaneous | |
| T Trapped or netted | V Fox kill | E Nest or roost | |
| H Hair or feathers | S Shot | B Bones or teeth | |
| A Stranded/beached | I Fossil/sub-fossil | N Not located | |

| | | | |
|--------------------------------|--------------------------|-------------------------|--|
| Microhabitat Type | | | |
| AC Flying above canopy | IB In burrow | OB On beach sand | |
| BR In/on bridge | IC In cave | OL On log | |
| BU In building | IG In grass | OR On rock | |
| CK Crevice in rock | IH In tree hollow | OW Over water | |
| CL Crevice in log | IL In litter | RD On road | |
| DA Farm/fire dam | IR In reeds | TK ON trunk | |
| DT In dead tree (stag) | IS In soil | UB Under bark | |
| EW Edge of water | IT In live tree | UC Upper canopy | |
| FC In/on post or stump | IW In water | UG Undergrowth | |
| FL Flying within canopy | LC Lower canopy | UL Under log | |
| GR On ground | LS Low shrub | UR Under rock | |
| HS High shrub | MC Mid canopy | WH Waterhole | |



Trapping Survey Proforma

Arboreal - Swamp
Elliot's - ISA
E's = 24 trap night
B's = 24 trap nights

Project #: 1447
Observer: KJC + DCG
Date: 8/05/07

| | | |
|----------------------|--------------------|--------------------|
| Location and timing: | 5508 Start | 5506 Finish |
| MGA Zone: 5b | Easting 292309 | Easting 292467 |
| | Northing 6191596 | Northing 6191716 |
| | Time (24 h): 13:00 | Time (24 h): 09:00 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:
Swamp 15A - from normal parking spot ^{WALK} drive down stream. One side x507
leads into swamp towards S X 605 - is trap # 3. Transect runs along
Swamp edge - 3 traps towards SISA1, 2 traps towards SISA3. Transect skips near
Patch of Woodland in middle of Swamp

| | |
|---|--|
| Survey Details | |
| Date Traps set? 8/05/07 | Date traps collected? 12/05/07 |
| Type of trap? Arboreal Elliot's (E + B) | Dimension of traps (LxWxD)? E & B size |
| Number of traps? 6 x E's, 6 x B's | Interval between traps? 20m |
| Length of transect? 120m | Bait used? Universal Bait |

| | |
|-------------------------------|-----------|
| Weather at start of survey: | |
| Cloud cover: 6/8 | Moon: ? |
| Wind Direction and speed: N/1 | Rain: Nil |
| Temperature (°C): 19°C | |
| Comments: | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-------------------|--------------------|---|----------------------|
| Observation types | | | |
| O | Observed (sighted) | R | Road kill |
| W | Heard call | D | Dog kill |
| X | In scat | C | Cat kill |
| T | Trapped or netted | V | Fox kill |
| H | Hair or feathers | S | Shot |
| A | Stranded/beached | I | Fossil/sub-fossil |
| F | Tracks, scratching | Z | In raptor/owl pellet |
| M | Miscellaneous | E | Nest or roost |
| | | Y | Bones or teeth |
| | | N | Not located |

| | | | |
|-------------------|----------------------|----|----------------|
| Microhabitat Type | | | |
| AC | Flying above canopy | IB | In burrow |
| BR | In/on bridge | IC | In cave |
| BU | In building | IG | In grass |
| CK | Crevices in rock | IH | In tree hollow |
| CL | Crevices in log | IL | In litter |
| DA | Dam/fire dam | IR | In reeds |
| DT | In dead tree (stag) | IS | In soil |
| EW | Edge of water | IT | In live tree |
| FP | In/on post or stump | IW | In water |
| FL | Flying within canopy | LC | Lower canopy |
| GR | On ground | LS | Low shrub |
| HS | High shrub | MC | Mid canopy |
| OB | On beach sand | OL | On log |
| OR | On rock | OW | Over water |
| OT | On trunk | RD | On road |
| UB | Under bark | TK | On trunk |
| UC | Upper canopy | UB | Under bark |
| UG | Undergrowth | UL | Under log |
| UR | Under rock | UR | Under rock |
| WH | Waterhole | WH | Waterhole |

Arboreal - Swamp
Hairtubes 15A

72 Trap nights



Trapping Survey
Proforma

| |
|---------------------|
| Project #: 4447 |
| Observer: KJC + DCG |
| Date: 8/05/07 |

| | | |
|---|--------------------|--------------------|
| Location and timing | 5508 Start | 5506 Finish |
| MGA Zone: 5b | Easting 292309 | Easting 292467 |
| | Northing 6191596 | Northing 6191716 |
| | Time (24 h): 13:00 | Time (24 h): 09:00 |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Swamp 15A - see arboreal Elliot data sheet | | |

| | |
|---|--------------------------------|
| Survey Details | |
| Date traps set? 8/05/07 | Date traps collected? 12/05/07 |
| Type of trap? Hairtube (Fawnatect) | Dimension of traps (LxWxB)? - |
| Number of traps? 6 x 3 traps = 18 traps | Interval between traps? 20m |
| Length of transect? 120m | Bait used? Universal Bait |

| | |
|-------------------------------|-----------|
| Weather at start of survey: | |
| Cloud cover: 6/8 | Moon: ? |
| Wind Direction and speed: Nil | Rain: Nil |
| Temperature (°C): 19°C | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0= None, 1 = ¼ Moon, 2 = ½ Moon, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | | | |
|-----------------------|----------------------|-------------------------|--|
| Observation types: | | | |
| O: Observed (sighted) | R: Road kill | F: Tracks, scratching | |
| W: Heard call | D: Dog kill | Z: In raptor/owl pellet | |
| X: In scat | C: Cat kill | M: Miscellaneous | |
| T: Trapped or netted | M: Fox kill | E: Nest or roost | |
| H: Hair or feathers | S: Shot | Y: Bones or teeth | |
| A: Stranded/beached | F: Fossil/sub-fossil | N: Not located | |

| | | | |
|--------------------------|--------------------|-------------------|--|
| Microhabitat Type | | | |
| AC: Flying above canopy | IB: In burrow | OB: On beach sand | |
| BR: In/on bridge | IC: In cave | OL: On log | |
| BU: In building | IG: In grass | OR: On rock | |
| CK: Crevice in rock | IH: In tree hollow | OW: Over water | |
| CL: Crevice in log | IL: In litter | RD: On road | |
| DA: Dam/fire dam | IR: In reeds | TK: ON trunk | |
| DT: In dead tree (stag) | IS: In soil | UB: Under bark | |
| EW: Edge of water | IT: In live tree | UC: Upper canopy | |
| FP: In/on post or stump | IW: In water | LG: Undergrowth | |
| FL: Flying within canopy | LC: Lower canopy | UL: Under log | |
| GR: On ground | LS: Low shrub | UR: Under rock | |
| HS: High shrub | MC: Mid canopy | WH: Waterhole | |



Trapping Survey Proforma

Project #: 4447
 Observer: JC + RMH
 Date: 8-5-07 - 12-5-07
 Trap ID: E7 - E12

Elliott's B^s + E^s - upland swamp

| | | |
|---------------------|-------------------|---------------------------|
| Location and timing | Start S423 | Finish S428 |
| AMG Zone: GPs6 | Easting 287818 | Easting 288050 |
| | Northing 6194367 | Northing 6194285 |
| | Time (24h): 17:00 | Time (24h): 13:30 12-5-07 |

| | | |
|--|---|---|
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Donald's Castle Swamp A. | Tree 1 = S423 Tree 2 = S424 Tree 3 = S425 | Tree 4 = S426 Tree 5 = S427 Tree 6 = S428 |

4 nights

| | |
|---|------------------------------|
| Survey Details | |
| Date traps set? 8-5-07 | Date traps collected? |
| Type of trap? Elliott B ^s + E ^s | Dimension of traps (LxWxB)? |
| Number of traps? 6 of each size. | Interval between traps? 240m |
| Length of transect? ~260m | Bait used? universal bait |

| | |
|--|---------|
| Weather at start of survey | |
| Cloud cover: 7/8 | Moon: - |
| Wind Direction and speed: Still - light breeze | Rain: - |
| Temperature (°C): Mild | |
| Comments: | |

Cloud cover: Record cover in eighths of sky
 Moon: Record using the following codes: 0 = None, 1 = 1/4 Moon, 2 = 1/2 Moon, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Observation types | | | | | |
|-------------------|--------------------|---|-------------------|---|----------------------|
| O | Observed (sighted) | R | Road kill | F | Tracks, scratching |
| W | Heard call | D | Dog kill | Z | In raptor/owl pellet |
| X | In scat | C | Cat kill | M | Miscellaneous |
| T | Trapped or netted | V | Fox kill | E | Nest or roost |
| H | Hair or feathers | S | Shot | Y | Bones or teeth |
| A | Stranded/beached | I | Fossil/sub-fossil | N | Not located |

| Microhabitat Type | | | | | |
|-------------------|----------------------|----|----------------|----|---------------|
| AC | Flying above canopy | IB | In burrow | OB | On beach sand |
| BR | In/on bridge | IC | In cave | OL | On log |
| BU | In building | IG | In grass | OR | On rock |
| CR | Crevice in rock | IH | In tree hollow | OW | Over water |
| CL | Crevice in log | IL | In litter | RD | On road |
| DA | Farm/fire dam | IR | In reeds | TR | ON trunk |
| DT | In dead tree (stag) | IS | In soil | UB | Under bark |
| EW | Edge of water | IT | In live tree | UC | Upper canopy |
| FC | In/on post or stump | IW | In water | UG | Undergrowth |
| FL | Flying within canopy | LC | Lower canopy | UL | Under log |
| GR | On ground | LS | Low shrub | UR | Under rock |
| HS | High shrub | MC | Mid canopy | WH | Waterhole |

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Anabat Survey
Proforma

Rainforest site.

Project #: 4447

Observer: JK + RMM

Date: 14.5.07 - 16.5.07

| | | |
|-------------------------------------|----------------------------------|--------------------|
| Location and timing: 546 | | |
| AMG Zone: APS4 | Easting 290959 | Northing 619061071 |
| Start time (24 h): 13:40 14.5.07 | Finish time (24 h): ? 16.5.07 | |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:
Wongawilli Creek overlooking pool near X 230.

| | |
|---------------------------------|---------|
| Weather at start of survey: | |
| Cloud cover: 4/8 | Moon: - |
| Wind Direction and speed: SW 11 | Rain: - |
| Temperature (°C): Mild | |

Comments:
2 nights

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 = None, 1 = 1/8 Moon, 2 = 1/4, 3 = 3/8, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | Species | Accuracy | Species | Accuracy |
|-------|---|-----------------------------|---------|----------|
| 14/15 | <i>V. vulturnus</i> | D | | |
| | <i>V. vulturnus</i> / <i>C. morio</i> | Pr either | | |
| | <i>F. tasmaniensis</i> | Po | | |
| | <i>Nyctophilus</i> sp. (<i>pro-gardali</i>) | Po | | |
| 15/15 | <i>V. vulturnus</i> | D | | |
| | <i>F. tasmaniensis</i> | Pr (maybe <i>S. orion</i>) | | |
| | <i>S. orion</i> | Po | | |
| | | | | |
| | | | | |
| | | | | |

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Anabat Survey
Proforma

Gully site

| |
|----------------------------|
| Project #: 4447 |
| Observer: JC, KJC, RMM, DA |
| Date: 7-5-07 - 10-5-07 |

| | | |
|---|---------------------------------------|-------------------|
| Location and timing: S400 | | |
| AMG Zone: GPS6 | Easting: 290213 | Northing: 6190716 |
| Start time (24 h): 7-5-07 12:30pm | Finish time (24 h): 10-5-07 9:30am | |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: On a rock east of Fire Rd 6A, with cages 1-6. - Gully. (A1) | | |

| | |
|---|------------|
| Weather at start of survey: | |
| Cloud cover: 7/8 | Moon: - |
| Wind Direction and speed: Still | Rain: None |
| Temperature (°C): Hot | |
| Comments: 3 nights recording (but nothing on 3 rd night). | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0-None, 1-1/4 Moon, 2-1/2, 3-3/4, 4-Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Species | Accuracy | Species | Accuracy |
|--------------------------|----------|---------|----------|
| 8/5 Chirobus morio | Definite | , | |
| Saccolaimus flaviventris | Probable | | |
| Chirobus gouldi | Possible | | |
| | | | |
| 8/5 C. morio | 0 | | |
| Vespadelus vulturnus | 0 | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

lots recorded ^{fast} 8/5 22:01 pm
 time on unit on
 microphone had detached from unit

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Anabat Survey
Proforma

Gully site.

S405 GPS #6

| | |
|------------|------------------|
| Project #: | 4447 |
| Observer: | JL, RMM |
| Date: | 7/5/07 = 10.5.07 |

| | | |
|--|--|------------------|
| Location and timing | | |
| AMG Zone: | Fasting 28.9787 | Northing 6194337 |
| Start time (24 h): 14:15 ^{7/5/07} | Finish time (24 h): 10:58 _{10:00} | |
| Map sheet Name: | Map sheet number: | LGA: |

Location description: Lukes track access point 565.
Anabat - gully - ~~edge trap 3-18~~ (off Lukes track isom)
(A3)

| | |
|---|---------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: 0 |
| Wind Direction and speed: 1 | Rain: 0 |
| Temperature (°C): mild | |
| Comments: Batteries still working. 3 nights recording. | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| Species | Accuracy | Species | Accuracy |
|--|----------|---------|----------|
| 4/5 Vespertilio vulturinus | Probable | | |
| 9/5 Vespertilio vulturinus / Chalinolobus merriami | Probable | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

with on times on

last 9/5 17:58
very little recorded

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Anabat Survey
Proforma

Gully site.

Project #: 4447

Observer: JC FRMM

Date: 7-5-07 - 10-5-07

| | | |
|--|------------------------------------|---------------------------|
| Location and timing: <u>S408</u> | | |
| AMG Zone: <u>aps6</u> | Easting <u>2190997</u> | Northing <u>611917159</u> |
| Start time (24 h): <u>16:30 7-5-07</u> | Finish time (24 h): <u>10-5-07</u> | |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:

Wayanilli Creek upstream of Fox Rd 6 on rock platform, RNS.
(A4)

| | |
|---|----------------|
| Weather at start of survey | |
| Cloud cover: <u>8/8</u> | Moon: <u>—</u> |
| Wind Direction and speed: <u>Still</u> | Rain: <u>—</u> |
| Temperature (°C): <u>Mild</u> | |
| Comments: <p style="text-align: right;">3 nights</p> | |

Cloud cover: Record cover in eights of sky

Moon: Record using the following codes: 0—None, 1— $\frac{1}{4}$ Moon, 2— $\frac{1}{2}$, 3— $\frac{3}{4}$, 4—Full.

Wind direction and speed: Record wind direction in the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

8/5

| Species | Accuracy | Species | Accuracy |
|-----------------------------------|-------------|----------------------------|----------|
| <i>Vespertilio darlingtoni</i> | Definite | <i>V. darlingtoni</i> | Def. |
| <i>V. vulturinus</i> | Def. | <i>V. vulturinus</i> | Def. |
| <i>Chalinolobus gouldi</i> | Def. | <i>Nyctophilus</i> sp | Def. |
| <i>Myotis macropus</i> | Def. | <i>Chalinolobus gouldi</i> | Def. |
| <i>Scaerops orion</i> | Def. | <i>Scoteanax ruppelli</i> | Prob 80% |
| <i>Chalinolobus morio</i> | Prob | <i>Myotis macropus</i> | Prob 80% |
| <i>Micropteropus oceanensis</i> | Poss? | <i>Micropteropus</i> sp 2 | Def. |
| <i>Falsisirellus tasmaniensis</i> | Poss | <i>C. morio</i> | Poss |
| <i>Nyctophilus</i> sp | Poss. | <i>F. tasmaniensis</i> | Poss |
| <i>Scaerops orion</i> | Prob | <i>Scaerops orion</i> | Poss |
| <i>Scoteanax ruppelli</i> | Poss | <i>M. oceanensis</i> | Poss |
| <i>S. orion / F. tasmaniensis</i> | Prob either | | |

m. adustus in db. →

PTO →

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Anabat Survey Proforma

~~Upland Swamp~~ Gully.

| |
|------------------------|
| Project #: 4447 |
| Observer: JC + RMM |
| Date: 7.5.07 - 10.5.07 |

Location and timing S410

| | | |
|---------------------------------|-----------------------------------|------------------|
| AMG Zone: APS6 | Fasting 289141 | Northing 6195369 |
| Start time (24 h): 17:30 7.5.07 | Finish time (24 h): 07:30 10.5.07 | |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:
 Donald's Castle ~~Swamp~~ Trib. 3 nights.
 (AS)

Weather at start of survey

| | |
|---------------------------------|---------|
| Cloud cover: 8/8 | Moon: - |
| Wind Direction and speed: Still | Rain: - |
| Temperature (°C): Mild | |

Comments:
 Timer not on, sensitivity down too low, not recording/working when checked on last day - flat battery (worked with new batteries).

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

7/5
8/5
9/5

| Species | Accuracy | Species | Accuracy |
|--|----------------|---------|----------|
| Large forest bat | Def | | |
| Long-eared bat Nyct. sp. | prob | | |
| Eastern house martin | prob 60% | | |
| Scotorepens acares | poss. | | |
| Mormopterus sp. Gould's wattled bat | prob either | | |
| Choc wattled bat Little forest bat | prob. | | |
| Large Forest B | Def | | |
| Large Forest b | Def | | |
| Gould's WB. | Poss | | |

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Anabat Survey
Proforma

Gully site.

| |
|-------------------------|
| Project #: 4447 |
| Observer: RMY, KS, JR |
| Date: 10-5-07 - 12-5-07 |

| | | | |
|--|-----------------------------------|---------|----------|
| Location and timing | | 5439 | GPS6 |
| AMG Zone: | Easting | 2819872 | Northing |
| Start time (24 h): 15:30 10-5-07 | Finish time (24 h): 10:00 12-5-07 | | |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: Luke's Track near X03. On log. 2 nights. (A7). | | | |

| | |
|---------------------------------|----------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: -- |
| Wind Direction and speed: Still | Rain: -- |
| Temperature (°C): Cool | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = 1/8 Moon, 2 = 1/4, 3 = 3/8, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 - light, leaves rustle, 2 = moderate, branches move, 3 - strong, tops of trees move.

10/5

| Species | Accuracy | Species | Accuracy |
|---|----------|---------|----------|
| Gould's wib/merrapleus sp. or other noise (prob call) | ? | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

wait on times on last recording

→ Anabat worked

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Anabat-Cully



Anabat Survey Proforma

| |
|-------------------------|
| Project #: 4447 |
| Observer: KJC, DCG, MJS |
| Date: 16/5/07 - 18-5-07 |

| | | |
|--|-----------------------------|-------------------|
| Location and timing: 5560 | | |
| MSE AMG Zone: 56 | Easting: 294788 | Northing: 6192370 |
| Start time (24 h): 16/5/07 | Finish time (24 h): 18-5-07 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: On track at bottom of Swamp A - approx 200m from Swamp A (positioned on side of track using track as flyway. (to NE) 2 nights. | | |

| | | |
|-----------------------------|-----------|--|
| Weather at start of survey: | | |
| Cloud cover: 0 8 | Moon: - | |
| Wind Direction and speed: 0 | Rain: Nil | |
| Temperature (°C): 19 | | |
| Comments: | | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following units: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Species | Accuracy | Species | Accuracy |
|---|----------|---------|----------|
| 16/5/07 <i>Chalinolobus gouldii</i> | D | | |
| <i>Chalinolobus morio</i> | Pr | | |
| <i>Mini-oceanensis</i> / <i>Vesp darlingtoni</i> | D either | | |
| 17/5/07 <i>Chalinolobus morio</i> ^{Chocolate wattled Bat} | Pr | | |
| <i>C. gouldii</i> ^{Gould's Wattled Bat} | D | | |
| <i>V. darlingtoni</i> ^{Large Forest Bat} | D | | |
| <i>Tadarida australis</i> ^{W-stripped Freetail bat} | D | | |
| <i>Nyctophilus</i> sp | D | | |
| <i>Miniaopterus</i> sp. <i>oceanensis</i> | Pr (60%) | | |

→ worked

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Onobat - Gully



Anabat Survey
Proforma

Project #: 4447

Observer: KJC, DCC, MJS

Date: 16/5/07 - 18-5-07

| | | | |
|---|----------------------------|---------------------|----------|
| Location and timing | | S556 | |
| LGA AMG Zone: 56 | Easting | 292648 | Northing |
| 6196641 | Start time (24 h): 16/5/07 | Finish time (24 h): | 18-5-07 |
| Map sheet Name: | Map sheet number: | LGA: | |
| Location description: In gully east of bc in northern section of study area positioned on vack pointing into gully. 2 nights. | | | |

| | |
|-----------------------------|----------|
| Weather at start of survey | |
| Cloud cover: 1/8 | Moon: - |
| Wind Direction and speed: 0 | Rain: NA |
| Temperature (°C): 22.0 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

16/5

| Species | Accuracy | Species | Accuracy |
|--|-----------|---------|----------|
| <i>Tadarida australis</i> | D | | |
| <i>Chalinolobus gouldii</i> | D | | |
| <i>Vespadelus darlingtoni</i> | Pr | | |
| <i>M. sch. oceanensis</i> / <i>V. regulus</i> / <i>darlingtoni</i> | Pr either | | |
| | | | |
| 17/5 <i>T. australis</i> | D | | |
| <i>C. gouldii</i> | D | | |
| <i>V. darlingtoni</i> | D | | |
| <i>C. morio</i> | Pr | | |
| <i>M. schr. oceanensis</i> | Po | | |
| <i>V. regulus</i> | Po | | |
| <i>S. otorepens orion</i> / <i>Scotornis rufellii</i> | Pr either | | |

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Anabat



Anabat Survey
Proforma

Gully site

Project #: 4447
Observer: KJC + DCG
Date: 10/05/07 - 13.5.07

Location and timing: S 525

| | | |
|-----------------------------------|-----------------------------|------------------|
| AMG Zone: 56 | Easting 292431 | Northing 6195391 |
| Start time (24 h): 17/05/07 17:30 | Finish time (24 h): 18.5.07 | |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:
Drainage line off 6C (under powerline easement / RCT creek).
(A10) 3 nights.

| | |
|---------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: - |
| Wind Direction and speed: Still | Rain: - |
| Temperature (°C): Cool | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | Species | Accuracy | Species | Accuracy |
|------|----------------------------|---------------|---------|----------|
| 10/5 | <i>Tadarida australis</i> | D | | |
| | <i>M. schr. oceanensis</i> | D | | |
| | <i>Mormopterus Sp. 2</i> | Po | | |
| 11/5 | <i>T. australis</i> | Po | | |
| | <i>M. schr. oceanensis</i> | Pr | | |
| | <i>M. sp. 2</i> | Po | | |
| 12/5 | <i>T. australis</i> | D | | |
| | <i>M. schr. oceanensis</i> | Pr | | |
| | <i>M. sp. 2.</i> | Po | | |

Detector battery flat, 200mah battery OK.
3 successful battery.

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2 JUL 2007



BIOSIS

Anabat Survey
Proforma

| |
|-------------------------|
| Project #: 4447 |
| Observer: KJK + DCG |
| Date: 13/5/07 - 16-5-07 |
| Site: |

Location and timing S582

| | | |
|----------------------------|-----------------------------|----------------------|
| MGA Zone: | Easting 2911948 | Northing 61192637 |
| Start time (24 h): 13/5/07 | Finish time (24 h): 16/5/07 | No. Anabat Nights: 3 |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:
OFF ~~THE~~ 6F JUST WEST OF
POWERLINE OVERLOOKING WONGAWILLI
ABOVE SEISMIC LINE 3 nights

| | |
|----------------------------------|-----------|
| Weather at start of survey: | |
| Cloud cover: 5/8 | Moon: N/A |
| Wind Direction and speed: SW (1) | Rain: Nil |
| Temperature (°C): 20°C | |
| Comments: | |

Cloud cover: Record cover in eighths of sky

Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2, 3 - 3/4, 4 - Full.

Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 - moderate, branches move, 3 - strong, tops of trees move.

| | Species | Accuracy | Species | Accuracy |
|------|-----------------------------|-----------|---------|----------|
| 13/5 | <i>T. australis</i> | D | | |
| | <i>C. gouldii</i> | D | | |
| | <i>V. darlingtoni</i> | Pr | | |
| | <i>M. sp 2/norfolkensis</i> | Pr either | | |
| 15/5 | <i>T. australis</i> | D | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

De
Detector of ZCAIM battery is OK
3 successful nights

ENTERED JUL 2007

Anabat



Anabat Survey Proforma

Project #: 4447
Observer: KJC + DCG
Date: 13/5/07 - 16.5.07
Site:

Location and timing: 5633

| | | |
|--|-----------------------------|----------------------|
| MGA Zone: 56 | Easting: 292350 | Northing: 6193534 |
| Start time (24 h): 13/5/07 | Finish time (24 h): 16/5/07 | No. Anabat Nights: 3 |
| Map sheet Name: | Map sheet number: | I.G.A.: |
| Location description: 31m S of S139 (herp site) on GC CAMERA #4 120-2077 | | |

3 nights came on log

Weather at start of survey:

| | |
|---|-----------|
| Cloud cover: 5/8 | Moon: N/A |
| Wind Direction and speed: SW (1) | Rain: Nil |
| Temperature (°C): 20°C | |
| Comments: No flagging tape - on log on side of road. hidden by branches | |

Cloud cover: Record cover in eighths of sky
Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Species | Accuracy | Species | Accuracy |
|---------------------|----------|----------------------------------|------------|
| 13/5 Ch. morio | D | Scoternax meppellii | Pr 60% |
| Ch. gouldii | D | S. orion | Po |
| T. australis | D | 15/5 | |
| V. darlingtoni | D | T. australis | D |
| Mormopterus Sp 2 | Po | Ch. gouldii | D |
| | | Ch. morio | D |
| 14/5 Ch. gouldii | D | Nyctophilus sp. | Pr |
| T. australis | D | M. schr. oceanensis / v. regulus | Po |
| Ch. morio | Pr | | Ch. morio. |
| V. darlingtoni | Pr | | |
| M. schr. oceanensis | Po | | |

ENTERED 316 JUL 2007



Anabat Survey
Proforma

Gully site.

| |
|-------------------------|
| Project #: 4447 |
| Observer: RMM, Jr., KS |
| Date: 10-5-07 - 13-5-07 |

| | | |
|--|-------------------------------|------------------------|
| Location and timing: S 443 GPS 4 | | |
| AMG Zone: | Basting 2 9 3 8 4 2 | Northing 6 1 9 2 7 2 3 |
| Start time (24 h): 17:40 10-5-07 | Finish time (24 h): ? 13-5-07 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Sandy Creek downstream of bridge. (A11) 3 nights. | | |

| | |
|---------------------------------|---------|
| Weather at start of survey: | |
| Cloud cover: 8/8 | Moon: - |
| Wind Direction and speed: Still | Rain: - |
| Temperature (°C): 60 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0-None, 1- ¼ Moon, 2- ½, 3- ¾, 4- Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Species | Accuracy | Species | Accuracy |
|------------------------------------|----------|---------------------|----------|
| 10/5 Morm. sp 2 | D | 12/5 V. darlingtoni | D |
| S. orion | P 60% | M. schr. oceanensis | P 90% |
| Nyctophilus sp. | P0 | M. macropus | P 80% |
| Myotis macropus/Nycto. | P either | Nyctophilus sp. | P0 |
| Myotis macropus | P0 | M. sp 2 | P0 |
| M. schr. oceanensis/V. darlingtoni | P either | | |
| | | | |
| 11/5 Nyctophilus sp. | P0 | | |
| M. macropus | P0 | | |
| S. orion | P0 | | |
| | | | |
| | | | |

ENTERED 2 JUL 2007
345



Anabat Survey
Proforma

Gully site.

| | |
|------------|-------------------|
| Project #: | 4447 |
| Observer: | RMM-JSL |
| Date: | 12.5.07 - 14.5.07 |

| | | |
|--|--|-------------------|
| Location and timing: 5454 | | |
| AMG Zone: GPS6 | Easting: 291823 | Northing: 6193469 |
| Start time (24 h): 14:20 <small>12.5.07</small> | Finish time (24 h): 8:00 <small>14.5.07</small> | |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:
Down seismic line (boulders at entrance) at 6F/6K intersection.
(6F/6K Anabat).

| | |
|--|---------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: - |
| Wind Direction and speed: light breeze | Rain: - |
| Temperature (°C): 14 Mild | |
| Comments: | |

2 nights.

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1=1/4 Moon, 2=1/2, 3=3/4, 4=Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Species | Accuracy | Species | Accuracy |
|----------------------|----------|---------|----------|
| 13/5 Nyctophilus sp. | D | | |
| V. darlingtoni | D | | |
| Ch. gouldii | D | | |
| C. morio | D | | |
| S. orion | Po | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

14.5.07: unit still on, timer on, still working.

ENTERED 2 JUL 2007
343



Anabat Survey
Proforma

Gully site.

Project #: 4447

Observer: JL + LMM

Date: 13-5-07 - 16-5-07

| | | |
|---|----------------------------------|-------------------|
| Location and timing | | |
| AMG Zone: GPS6 | Easting: 289915 | Northing: 6190925 |
| Start time (24 h): 09:15 13-5-07 | Finish time (24 h): ? 16-5-07 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Fire Rd 6A and railway intersection, north of cages 1-6. | | |

| | |
|------------------------------|---------|
| Weather at start of survey | |
| Cloud cover: 8/8 | Moon: - |
| Wind Direction and speed: SW | Rain: - |
| Temperature (°C): Mild | |
| Comments: 3 nights. | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0 - None, 1 - 1/4 Moon, 2 - 1/2, 3 - 3/4, 4 - Full
Wind direction and speed. Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rattle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | Species | Accuracy | Species | Accuracy |
|------|--------------------------------|----------|---------|----------|
| 13/5 | <i>C. morio</i> | Pr | | |
| | <i>C. gouldii</i> | Pr | | |
| | <i>T. australis</i> | Pr | | |
| | <i>V. darlingtoni</i> | Pr | | |
| 14/5 | <i>V. darlingtoni</i> | Pr | | |
| 15/5 | <i>Rhinolophus megaphyllus</i> | D | | |
| | | | | |
| | | | | |
| | | | | |

ENTERED 242 2 JUL 2007



BIOSIS

Anabat Survey
Proforma

Gully site.

Project #: 4447
Observer: JC + RMM
Date: 13.5.07 - 16.5.07

Location and timing: S458

| | | |
|-------------------------------------|-----------------------------|-------------------|
| AMG Zone: | Easting: 289099 | Northing: 6191579 |
| Start time (24 h): 13:40 13.5.07 | Finish time (24 h): 16.5.07 | |
| Map sheet Name: | Map sheet number: | LGA: |

Location description:
Down old seismic line west of Fire Rd 6A. (entry south of Swamp 11).

Weather at start of survey:

| | |
|--|-----------|
| Cloud cover: 7/8 | Moon: ☐ |
| Wind Direction and speed: still - light breeze | Rain: ☐ |
| Temperature (°C): Mild | |
| Comments: | 3 nights. |

Cloud cover: Record cover in eighths of sky
Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Species | Accuracy | Species | Accuracy |
|--------------------|----------|--------------------------|------------------|
| B/S V. darlingtoni | D | IS/S | |
| C. morio | D | C. morio | D |
| C. gouldii | D | V. darlingtoni | D |
| V. vulturinus | Po | Nyctophilus sp. | D (prob gouldii) |
| M. sch. oceanensis | Po | V. vulturinus / C. morio | Pr either |
| | | | |
| 14/S C. morio | D | | |
| V. darlingtoni | D | | |
| Nyctophilus sp. | Pr | | |
| | | | |
| | | | |

ENTERED 2 JUL 2007

Anabat



Anabat Survey Proforma

Project #: 4447
 Observer: DCF
 Date: 7/5/07 + 8/5/07 -10.5
 Site: SA00

5500

Location and timing

MGA Zone: 56 Easting 290704 Northing 6193990
 Start time (24 h): ? Finish time (24 h): ? No. Anabat Nights:
 Map sheet Name: Map sheet number: LGA:
 Location description:
 Beside Woyawilli Ck near X04
 1 Anabat unit. Detector possibly not working. No feedback noise.

Weather at start of survey

Cloud cover: Moon: -
 Wind Direction and speed: Rain: -
 Temperature (°C):
 Comments: only 2 nights due to flat battery on the 7th.

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Species | Accuracy | Species | Accuracy |
|------------------------|----------|--------------------------|----------|
| 8/5 V. dardingtoni | D | C. gouldii | D |
| C. gouldii | D | S. orion/F. tasmaniensis | Neither |
| T. australis | D | | |
| V. dardingtoni/regulus | Neither | | |
| Myzophilus sp. | D | | |
| M. schr. oceanensis | Pr 70% | | |
| M. sp2 | Po | | |
| S. orion | Po | | |
| 9/5 T. australis | D | | |
| V. dardingtoni | D | | |

ENTERED

2 JUL 2007



BIOSIS

Anabat Survey Proforma

Anabat - upland swamp

Project #: 4447

Observer: RMIT JC

Date: 7-5-07 - 10-5-07

Location and timing: S409

AMG Zone: A156 Easting 287782 Northing 6194355
 Start time (24 h): 17:30₇₋₅₋₀₇ Finish time (24 h): 08:30₁₀₋₅₋₀₇
 Map sheet Name: Map sheet number: LGA:

Location description:
 Donald's Castle Swamp A. Close to swamp entry on log.
 (A6). 3 nights ✓

Weather at start of survey:
 Cloud cover: 8/8 Moon: -
 Wind Direction and speed: Still Rain: -
 Temperature (°C): Mild
 Comments:

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full.
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| | Species | Accuracy | Species | Accuracy |
|-----|--|-----------|--|-----------|
| 7/5 | <i>C. morio</i> | D | <i>Nyctophilus</i> sp. | Pt |
| | <i>v. dardingtoni</i> | D | <i>Kenivoula papuensis</i> | Po |
| | <i>T. australis</i> | D | <i>Mormopterus</i> sp. | Po |
| | <i>C. gouldii</i> | D | <i>S. orion</i> / <i>F. tasmaniensis</i> | Pt either |
| | <i>Nyctophilus</i> sp. | D | <i>S. rueppellii</i> | Pt 70% |
| | <i>M. sch. oceanensis</i> | Po | <i>S. rueppellii</i> / <i>S. orion</i> | Pt either |
| | <i>Falsistrellus tasmaniensis</i> | Po | <i>V. dardingtoni</i> | D 9/5 |
| | <i>Miniopterus australis</i> / <i>C. morio</i> | Pt ei. | <i>T. australis</i> | D |
| | <i>C. gouldii</i> / <i>Mormopterus</i> sp. | Pt either | <i>Nyctophilus</i> sp (prob <i>gouldii</i>) | D |
| | <i>Morm. sp. 2</i> | Po | <i>C. morio</i> | Po |
| 8/5 | <i>C. gouldii</i> | D | <i>M. sp. 2</i> | Po |
| | <i>V. vulturnus</i> | D | <i>S. orion</i> | Po |
| | <i>V. dardingtoni</i> | D | <i>S. orion</i> / <i>F. tasmaniensis</i> | Pt eit. |
| | <i>T. australis</i> | D | <i>C. gouldii</i> | D |

→ Anabat worked

ENTERED
339

11.2 JUL 2007

Orabat - Swamp



Anabat Survey
Proforma

| |
|-------------------------|
| Project #: 4447 |
| Observer: KSC, DCG, MJS |
| Date: 16/5/07 - 18.5.07 |

| | | |
|---|-----------------------------|------------------|
| Location and timing: 5557 | | |
| MGA AMG Zone: 56 | Easting: 292464 | Northing: 619485 |
| Start time (24 h): 16/5/07 | Finish time (24 h): 18.5.07 | |
| Map sheet Name: | Map sheet number: | LGA: |
| Location description: Qt bc Swamp just south of track wedged in Banksia. 2 nights | | |

| | |
|-----------------------------|-----------|
| Weather at start of survey | |
| Cloud cover: 0/8 | Moon: --- |
| Wind Direction and speed: 0 | Rain: Nil |
| Temperature (°C): 22 | |
| Comments: | |

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0=None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

| Date | Species | Accuracy | Species | Accuracy |
|------|------------------------|----------|---------|----------|
| 16/5 | <i>T. australis</i> | D | | |
| | <i>C. gouldii</i> | D | | |
| | <i>V. darlingtoni</i> | Pr | | |
| | <i>M. norfolkensis</i> | Po | | |
| 17/5 | <i>T. australis</i> | D | | |
| | <i>C. gouldii</i> | D | | |
| | <i>V. darlingtonii</i> | D | | |
| | <i>R. megaphyllus</i> | D | | |
| | <i>C. morio</i> | Pr | | |
| | <i>S. cupepelli</i> | Po | | |
| | <i>S. orion</i> | Po | | |

ENTERED 338

2 JUL 2007

Sloo - Anabat - Gully



Anabat Survey Proforma

2 nights Gully

Project #: 4447
 Observer: MV RMM
 Date: 20/4/07 - 21/4/07

Location and timing: _____
 AMG Zone: _____ Easting 21819405 Northing 61191317
 Start time (24 h): Spm 20/4/07 Finish time (24 h): 22/4/07
 Map sheet Name: _____ Map sheet number: _____ I.G.A.: _____
 Location description:
 WF 3 Anabat located on upstream side of road Donald's course creek

Weather at start of survey: _____
 Cloud cover: 0 Moon: 0
 Wind Direction and speed: _____ Rain: 0
 Temperature (°C): 18
 Comments: _____

Cloud cover: Record cover in eights of sky
 Moon: Record using the following codes: 0 - None, 1 = ¼ Moon, 2 = ½, 3 = ¾, 4 = Full
 Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 - calm, 1 - light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

20/4

| Species | Accuracy | Species | Accuracy |
|------------------------|----------|------------------------|----------|
| V. darlingtoni | D | V. darlingtoni | D |
| M. sp. 2. | D | M. norfolkensis | D |
| M. norfolkensis | D | C. gouldii | D |
| C. gouldii | D | T. australis | D |
| S. rieppellii | Po | M. sp. 2 | D |
| T. australis | D | Nyctophilus sp. | Pf |
| S. orion | Pf | F. tasmaniensis | Pf 70% |
| V. regulus | Po | M. schr. oceanensis | Po |
| C. morio/v. traughtoni | Po | S. rieppellii/S. orion | Po |
| Nyctophilus sp. | Pf | C. morio | Po |
| F. tasmaniensis | Pf 60% | | |
| K. papuensis | Po | | |

21/4

(prob Nycto.sp)

Note: timer switch was returned.

ENTERED 2 JUL 2007



Anabat Survey
Proforma - Upland Swamp

Project #: 14447

Observer: JC

Date: 17/4/07 -- 20/4/07
Left for 3 nights ✓

Waypoint 509 GPS3

Location and timing

AMG Zone: Easting 288557 Northing 6192286

Start time (24 h): 18:45 Finish time (24 h): 20:4:07

Map sheet Name: Map sheet number: LGA:

Location description: Upland Swamp (S1). Part car where we normally park for monitoring surveys. Walk in along tyre tracks approx 10m. Anabat is on left in a dead shrub/ree approx 10m from track.

Weather at start of survey

Cloud cover: A/R Moon: None

Wind Direction and speed: Still Rain: None

Temperature (°C): 13.2 Humidity: 89%

Comments: 3 nights recording.

Cloud cover: Record cover in eights of sky
Moon: Record using the following codes: 0= None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full.
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

look for Magpie to pe-

| | Species | Accuracy | Species | Accuracy |
|------|---------------------------|----------|-----------------------|----------|
| 17/4 | <i>C. gouldii</i> | D | <i>V. darlingtoni</i> | D |
| | <i>S. crion</i> | Po | <i>M. sp2</i> | Pr. |
| 18/4 | <i>C. gouldii</i> | D | | |
| | <i>V. darlingtoni</i> | D | | |
| | <i>C. dugeri</i> | D | | |
| | <i>T. australis</i> | D | | |
| | <i>M. sch. oceanensis</i> | Po | | |
| | <i>M. sp. 2</i> | Po | | |
| 19/4 | <i>C. gouldii</i> | D | | |
| | <i>C. morio</i> | D | | |

ENTERED
336



BIOSIS

2 JUL 2007
Anabat Survey
Proforma

S314 - Orabat - Gully

Project #: 4447

Observer: KJL + Rmm

Date: 22/04/07 - 24.4.07

2 nights

Location and timing: Wpt = S314

56MCA
AMG Zone: GPS#4 Easting 292723 Northing 6196892

Start time (24 h): 22/04/07 16:00 Finish time (24 h):

Map sheet Name: Map sheet number: I.G.A:

Location description:
On unnamed creek near b/bc intersection 80m downstream of road b. Anabat set on rock platform overlooking large pools where bats observed foraging on previous night.

Weather at start of survey:

Cloud cover: 3/8 Moon: 1
Wind Direction and speed: 0 Rain: Nil - raining earlier
Temperature (°C): mild
Comments:

Cloud cover: Record cover in eighths of sky
Moon: Record using the following codes: 0=None, 1 = 1/4 Moon, 2 = 1/2, 3 = 3/4, 4 = Full
Wind direction and speed: Record wind direction to the nearest cardinal point. Record wind speed using the following codes: 0 = calm, 1 = light, leaves rustle, 2 = moderate, branches move, 3 = strong, tops of trees move.

22/4

| Species | Abundance | Species | Abundance |
|------------------------|-----------|----------------------------|-----------|
| <i>V. darlingtoni</i> | D | <i>C. gouldii</i> | D |
| <i>C. gouldii</i> | D | <i>M. schr. oceanensis</i> | Pr |
| <i>T. australis</i> | D | <i>S. rueppellii</i> | Pr 80% |
| <i>S. rueppellii</i> | Fr 70% | <i>Mormopterus</i> sp. | Fr |
| <i>C. morio</i> | Pr | <i>M. sp. 2.</i> | Po |
| <i>V. vulturnus</i> | Pr | | |
| <i>M. sp. 2</i> | Po | | |
| <i>S. orion</i> | Po | | |
| <i>Mormopterus</i> sp. | Po | | |
| | | | |
| | | | |
| | | | |

23/4

harp trap -> wpt 1494 (GPS#8)
291485
6197604



BIOSIS
S I L E A R D O N

Waypoint
Photo Record
Sheet

| | |
|--------------|--------------------|
| Job Number | 4447 |
| Date / Dates | 19.4.07 to 21.4.07 |
| GPS Unit | 3 and 2 |
| Recorder | RVB + JC |

| Photo # Waypoint | Comments |
|------------------------|---|
| S32-S33 GPS3 | Spotlight - Ridge - mammal + reptile. ^{from rd 6A and} Railway west of S11 entry. |
| PS11 LJ | Possible track to possible littlejohn habitat - 6A/railway intersection near S11 entry |
| PLJTK | Another possible track to possible LJ " . Possibly part of track above. |
| P FROG | Along railway b/w PLJTK and S33. Possible swamp 7 world's biggest Banksia |
| XEAZ6C | Track to powerline easement - possibly access to a creek. 2 GPS, hind R17. |
| S36-S39 | Two small transects ^{SWAMP 6C} south into the swamp FROG MOUNTAIN LPT. 11 |
| S40-S41 ^{GPS} | Nocturnal Stream Search - frogs - gully - near logbridge on 6C. |
| X40 GPS3 | Where creek above crosses Fire Road 6C. |
| X29 GPS3 | Entry to seismic line off 6A possibly into Donald's gully (non-drive). |
| S42-S43 | Vehicle spotlight - ridge (6C from 6F intersection). |
| S44-S45 | Diurnal bird survey - Ridge |
| X30 | End of seismic line off 6A railway heading towards Lake from |
| S46-S47 | Diurnal bird survey - Gully. ^{From end of seismic line off} 6A heading towards Lake. ^{From} |
| PCK GPS3 | Creeklino - gully too steep to survey. (near-swamp 11). |
| Note: S47 | Possible herp search site (gully i think). |
| PHETPR | 288546/6192492 (Ridge) other side of Swamp 11. |
| S48 | Habitat Assessment - gully. |
| S49 | Opposum's call-playback - diurnal - RCT and LJ. |
| S50-S51 | Spotlight - Ridge - mammal + reptile ^{7.12.07 6A, East of S11 entry} |
| S52-S53 | Nocturnal Stream Search - frogs - gully - Donald's Castle Creek down- |
| S54 | Herp search - night - South of Luke's track call playback ^{stream of 6.} |
| S55-S56 | Mammal Spotlight from vehicle - ridge (6 and 6C). |
| S57-S58 | Diurnal Bird survey - ridge (seismic line of 6A → Donald's Castle |
| S59-S60 | Nocturnal Reptile Search - ridge " " " " " " |
| S61-S62 | Spotlight ^{on foot} - ridge - mammals " " " " " " |
| S63-S64 | Nocturnal habitat search - frogs - upland Swamp (Peanut), 2nd replicate. |
| S65-S67 | Mammal spotlight - upland swamp (Peanut). |

S34 and →
S35 Nocturnal
Herp searches
(ridges) Fire Rd 6
can't see
Donald's Castle
Creek.
AFRCG changed to S34

S13

↑
GPS 2



Waypoint
Photo Record
Sheet #1

TRIP 1

| | |
|--------------|-----------------|
| Job Number | 4447 |
| Date / Dates | 16/04/07 - 20/4 |
| GPS Unit | 4 |
| Recorder | KJC, MV |

| Waypoint # | Comments |
|------------|--|
| S 200 | Call Playback - Frogs lakes creek - northern west section |
| S " | Spotlight Watercourse search - start of transect |
| S 202 | " " - end of transect |
| S 203 | Call Playback - Frogs - lakes Creek + lakes track intersection |
| S " | Spotlight Watercourse search - start |
| S 204 | " " - end. |
| S 205 | CP - Owls Swamp BC |
| S " | Spotlight - mammals - start of transect (Swamp BC heading towards dam wall) |
| S 206 | " " - end. |
| T 208 | Barking Owl (SH) 20m W off BC - during spotlight survey. |
| S 209 | CP - Owls - Donalds Castle Creek. |
| S " | SP - mammals - start " |
| S 211 | - end |
| S 212 | CP - frogs - BIGC intersection creek - upstream |
| S " | SP - frog watercourse search of above - start |
| S 213 | " " - end. |
| S 212 | SP - frog watercourse search - downstream - start |
| S 215 | " " - end |
| S 214 | CP - frogs at large pool - 80m from rd 6. |
| X 216 | Park vehicle for walk into Wangawili Rainforest site |
| X 217-224 | reference points - walk east following G154 + G155 224 - 217 to east. Caution. |
| X 226 | Drainage line at CP into Wangawili. At 226 start descent in NE direction. Retain flagging tape |
| X 227-229 | follow 41-55 + 51 pipe. At 228 navigate NEE |
| X 230 | Edge of Rainforest |
| S 232 | CP - frogs - Rainforest site |
| S " | SP - frogs - start / SP - mammals - end. RF |



GPS
Photo Record
Sheet

| | |
|--------------|--|
| Job Number | |
| Date / Dates | |
| GPS Unit | |
| Recorder | |

| Photo # | Comments |
|------------|---|
| Wongawilli | |
| S 234 | SP-Frogs - end transect / SP-mammals - start (RT) |
| S 237 | SP-frogs end transect - gully (start pt is 203) |
| S 238 | CP-Owls - gully site / SP-Reptiles - Ridge - start |
| S 239 | SP-Reptiles - Ridge - end - On bike's track |
| S 241 | SP-Mam/Reps - Gully - start transect (Wongawilli near X09) |
| S 242 | " - end |
| S 243 | Habitat Assessment - Gully (Wongawilli) |
| " | CP-Frogs - Gully (Wongawilli) |
| " | SP-Frogs - Gully (Wongawilli upstream - start |
| " | SP-Frogs - Gully (Wongawilli downstream - start |
| S 244 | SP-Frogs - Gully (CP Wonga downstream - end) |
| " | " " (200 further downstream - start) |
| S 246 | " " " - end |
| S 247 | SP-Frogs - Gully (CP Wonga upstream - end) |
| S 249 | SP vehicle - Mam/Rep - Ridge (X09 - ^{lukes} crossing - start) |
| S 250 | " " " " - end |
| X 252 | Parking spot on BF near track down to S15A. Park here for walk into Wongawilli Creek - Rainforest. Follow G136 + G135 West. |
| X 266 | From G135 navigate NW down escarpment into rainforest. 266 is rd west on trib of Wongawilli Creek |
| S 268 | Wongawilli creek - Diurnal frog/reptile search / Diurnal bird survey |
| S 269 | CP-Frogs - Rainforest (Rep 2) - Wongawilli |
| S " | SP-Mamm/Reps - Rainforest - start transect downstream (no rpt for end transect) |
| S " | SP - " " - start transect upstream |
| X 270 | Dry drainage line on W side of Wongawilli |
| S 271 | SP-Mam/Reps - RF - end transect upstream |
| S 273 | To access Wongawilli trib with long swamp - navigate 266 → X11 → X12 → 273 = SP-Frogs - Gully - start transect in dark - 40 mins |
| S 274 | SP-frogs - Gully - end transect (60m length) |
| X 275 | To access vehicle on BF near S15A park spot. At 275 start heading up escarpment towards G135. Navigate G136 → 262 for car. In dark - 40 mins → 276? |

11/09/07

only 45 mins
only 60 mins

r 276 →

273 is top of waterfall



CPS
~~Photo~~ Record
 Sheet
 #2

| | |
|--------------|-----------|
| Job Number | 4447 |
| Date / Dates | 20- |
| GPS Unit | 4 |
| Recorder | KJC + NEO |

Waypoint # Comments

| | | | |
|-----|-----|--|---|
| S | 278 | SP - mammal/ Rep - Gully on foot (bc) - end transect Sandy ck bridge | |
| S | 279 | " " " - start | |
| S | " | " " " - end (on bc) | |
| S | 280 | " " " - start (on bc) | |
| S | 282 | SP vehicle - mammal/ Rep - start } Sandy ck crossing up | |
| S | 283 | " - " - end } track to vegetation shaft site | |
| X | 284 | Intersection of bc/bk - in sandy ck end | |
| X | 285 | Intersection of bc/bk - at dam wall end. | |
| S | 286 | CP-Frogs - Gully (Rep #2) - Lakes creek 20m NE of X03 | |
| X | 293 | Intersection of bc and seismic line small track to SE Post - 132 709/13 | |
| X | 292 | " " seismic line SE Post says 133-134 709/13 | |
| X | 294 | " " " S Post - 131 709/13 | |
| J | 295 | Herp site - Ridge - on bc northern section | |
| Alf | X | 296 | Intersection of bc and seismic line track to S Post 130 709/13 |
| Y | 297 | " " " S Post 7097 123 129 | |
| P | 298 | Potential herp to shaft bc | |
| P | 299 | " " on bc near transmission line | |
| P | 300 | " " on bf under transmission line (Nid of support) | |
| S | 301 | Herp site - Ridge - bf | |
| P | 302 | Potential herp on bf | |
| S | 303 | Herp site - Ridge bf just near bf/bk intersection | |
| X | 304 | Intersection of bf + seismic track to SE (leads to S15B) | |
| P | 305 | Pot. herp on bf to E of track | |
| X | 306 | Intersection of bf + track to S (leads to seismic line and S15A entry) | |
| S | 307 | Durnal herps - bf at stream end of study area | |
| S | 308 | " " close to seismic track that leads to Swamp 15B entry. | |

Lead
outside
shaft
area

X

X

300



Waypoint Record Sheet # 1

| | |
|--------------|-----------|
| Job Number | 4447 |
| Date / Dates | 7/05- |
| GPS Unit | 9 |
| Recorder | KJC + DCU |

| Waypoint # | Comments | |
|-----------------|---|---------|
| 7/05 S400 (500) | Ornabat - Wanganella: ck near x04 | ✓ |
| " | Cage trap line: Wanganella: near x04 - start | ✓ |
| S401 (501) | " " - end | ✓ |
| S403 (503) | Threatened sp record - 5x Gang-gang Cockatoos | ✓ |
| " | Cage transect - DCT - start | ✓ |
| * den track | - end | ✓ |
| X405 (505) | Middle of below transect. From car walk to this point | deleted |
| S406 (506) | Habitat/Elect transect - start (trap #1) S15A | ✓ |
| S408 (508) | " " - end (trap #6) | ✓ |
| X407 (507) | vehicle park on seismic line down to ^{HT/E} transect in S15A | ✓ |
| S410 (510) | Diurnal Hep-Gully - Sandy ck Trilo B. ^{downstream of} SCTR2 | ✓ |
| S411 (511) | " " " " ^{upstream of} SCTR1 | ✓ |
| S412 (512) | " " - Waratah ck - ^{downstream of} bc crossing | ✓ |
| S414 (514) | " " - Sandy ck ^{downstream of} bridge crossing | ✓ |
| S 515 | Diurnal Bird - Ridge - on b up from Wanganella ck | ✓ |
| S01 | Scat - on bc at bc swamp | ✓ |
| " | Scat - " " | ✓ |
| " | Diurnal Bird - Swamp - at bc Swamp. | ✓ |
| " | Diurnal CP - Frogs (RCT + Littlejohn) | ✓ |
| S 516 | Diurnal Birds - Ridge - at parking spot for S15A | ✓ |
| T 507 | Threatened sp. Record - Gang-gang Cockatoos (x2) | ✓ |
| T 103 | Threatened sp. Record - 1x Glossy Black Cockatoos | ✓ |
| S303 | Diurnal Birds - Ridge - on bf near bf/lk intersection | ✓ |
| X --- | Intersection of bf (above sandy ck) + seismic to South | |
| X 519 | Intersection of 2 seismic lines (turn R to go to waterfall) | ✓ |
| X 520 | End of seismic line | ✓ |

* 547 Track of 6A - just after 6/6A
 504 ^{diabaz} intersection (east of 6A)



BIOSIS
BIOLOGICAL INFORMATION SYSTEMS

Waypoint Record Sheet

Job Number

Date / Dates

GPS Unit

Recorder

Waypoint # Comments

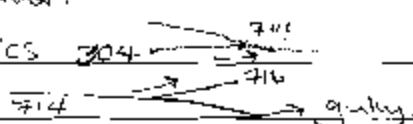
| | | | |
|-------|-----------|--|----------|
| X | 521 | | ✓ |
| | 522 | Opportunistic Nighthawk CP - 1 egg (1 egg) in 20 cm x 10 cm hole | ✓ |
| S | 525 | Anabat (A10) - Drainage line off bc (200m N of S15A) | ✓ |
| | 1 | Opportunistic Nighthawk CP - 1 egg (201) at same site | ✓ |
| X N/S | | Burrail Bird - Ridge on b' up from burrows | ✓ |
| | 52b | Threatened sp. recorded - 3x Ceryle alcyon | ✓ |
| | " | Medusa Sp. collected | ✓ |
| | 527 | Drumst. wood. edge of GF just N | S15A / ✓ |
| N/S | 528 | Drumst. wood. edge of GF just N | ✓ |
| | 528 - 529 | Drumst. wood. edge of GF just N | ✓ |
| | 529 | Drumst. wood. edge of GF just N | ✓ |
| | 530 | Drumst. wood. edge of GF just N | ✓ |
| S | 530 | trap - above RCT creek off bc | ✓ |
| S | 531 | trap on vehicular track 150m S of 528 | ✓ |
| S | 532 | Anabat on GF W of POW/LINE S/LODGE | ✓ |
| S | 533 | " " " " BC 21 m N of S139 on S15A | ✓ |
| SX | 536 | Parking for S15B | ✓ |
| X | 537 | Intersection of a new seismic track and drainage line that we walk down to S15B Above RCT site | ✓ |
| S | 538 | Stop Water in S15B | ✓ |
| S | 539 | SP - frog - gully: AK adj to S15B - start - RCT recorded | ✓ |
| S | 540 | " " " " " - end | ✓ |
| S | " | SP - mammal/rep - Gully adj. to S15B - start | ✓ |
| S | 536 | " " " " " - end | ✓ |
| T | 541 | RCT in drainage line on way to S15B (x2 required) | ✓ |
| S | 543 | SP - Frog - Gully - S15A top of creek towards S15A3 - start | ✓ |
| S | 544 | SP - " " " " " - end | ✓ |
| S | " | SP - Mammal - Gully - Woodland adj to S15A - start | ✓ |
| X | 545 | | ✓ |
| | 546 | | |
| | 543 | | |
| | 505 | | |
| S | 542 | SP - mammal - Gully - end (at car) | ✓ |



Waypoint Record Sheet

| | |
|--------------|-----------|
| Job Number | 4447 |
| Date / Dates | 5-8/06/07 |
| GPS Unit | 7 |
| Recorder | KJC, TAP |

| Waypoint # | Comments |
|--|---|
| 700-185 | SP-vehicle along bF |
| ✓ 701-700 | SI-foot-ridge along bF, 1km, 1PH |
| ✓ 505-705 | SP-foot-Gully: seismic (Y07G?) along NW side of SISA seismic ends at boundary before ridge at end of track 740m, 1.5 PH |
| transsect above in detail 505 → 702 | 702 = borehole site |
| 702 → 703 | side back track that leads to Bentside upland swamp |
| 702 → 704 | back at side, upland swamp |
| 704 → 705 | 704 = other side of upland swamp. 705 = end of seismic |
| ✓ X16 → 706 → 707 → 708 → 709 → 710 | along Y07G seismic to borehole site 0.5km, 1.5 PH Ridge |
| | X16 start at bF / Y07G intersection (seismic to) |
| | Y07G30 ref point on seismic |
| | X 706 ref on track - intersection with track into gully |
| | X 707 intersection with other end of track |
| | X 709 " " |
| | 8710 end of transect / end of track |
| ✓ 711 → 712 | SP(foot)man/rep. Gully = in 2 sections on Y07A |
| 711 → 706 | 600m, 0.66 PH |
| 711 | Sediment fence: start of other side track |
| 712 | end of seismic |
| 706 | transsect runs back from 711 → 706 |
| ✓ 304-716 | SP(foot)-man/rep-ridge: seismic Y07B(?) that we walk down for walk into SISA |
| transsect path | → 304 → 714 → 715 → 716 |
| 304 | bF / seismic intersection |
| X 714 | intersection - 2 seismics |
| X 715 | " " " " |





Waypoint Record Sheet

| | |
|--------------|---|
| Job Number | |
| Date / Dates | |
| GPS Unit | 7 |
| Recorder | |

| Waypoint # | Comments |
|--|---|
| 716 | end of transect - turned into gully. |
| ✓ 716 → 717 | SP (foot) - ^{main} rep - Gully: at end of seismic. Y07B. |
| X 717 | end of transect / seismic. Ends at creek - ^{bottom of} SISB? |
| X 718 | seismic track to E1704 bc (Sth of naratah ct) |
| ✓ 720 → 721 | SP (foot) Gully: seismic Y07A (from bc across Sandy Creek ^{Transect 720-722-721}) to intersection with Y096. 300m, 0.3 PH |
| X 720 | Intersection bc and Y07A ^{D98A} seismic to SW |
| X 722 | Sandy Creek / Y07A ^{D98A} intersection |
| X 721 | Intersection of Y07A and Y07B ^{D98A} |
| ✓ 724 → 729 | SP (foot) Ridge: seismic. Y07B from bc across SCA, D98A + Y07B alongside SISB, 2km, 2.33 PH |
| Transect runs: 724 → 725 → 727 → 519 → 726 → 727 → 728 → 729 | |
| X 724 | intersection bc and Y07B seismic to South |
| X 725 | intersection Y07B and SCA |
| X 726 | borehole site. V. large turning circle (20x40m) and v. close to S.SA approx 20-30m. |
| X 727 | ref point on track |
| X 728 | see drainage line + Y07A intersection. ^{Pass SCA canal} RCT pit habitat |
| S 729 | End of Y07A seismic. last 80m is brushmatted |
| ✓ 731 → 732 | SP (foot) Ridge: along Ridge D following monitoring pts ^(see spot 730) → Z. 0.6 PH |
| ✓ 733 → 734 | SP (foot) Ridge: along track below Swamp A, below Ridge D 1km, 1 PH |
| ✓ 737 → 738 | SP (S.D) Ridge: along seismic. DOLA NW of bc 620m, 0.42 PH |
| S 739 | Seeo assemblage in Ridge on DOLA - ^{unmarked} Sandy track shell |
| ✓ 735 → 740 | SP (vehicle) Ridge: along bc ^{From bridge to gully 2km} just before bc/GK |
| ✓ 744 → 741 | SP (foot) Ridge: 6K 430m, 0.4 PH |
| 71 → 285 | SP (vehicle) Gully: along bc from bc Swamp to bc/GK 1.5km 0.8 PH |
| 742 | Scat collection (JR: 10/5/07) |

6/6

20th into 7th transects 7.16 PH



BIOSIS

Wet
Photo Record
Sheet

| | |
|--------------|-------------------|
| Job Number | 4467 |
| Date / Dates | 17/4/07 - 19/4/07 |
| GPS Unit | 8 |
| Recorder | MW PMA |

GPS 8

| Waypoint # | Comments | |
|--------------|---|---|
| FTS3 | S6H 0289408, 6195387 | ✓ |
| FCS4 | S6H 0289408, 6195387 | ✓ |
| FTS5 | S6H 0289436, 6195371 | ✓ |
| FCS6 | S6H 021 0945 6195362, location of frog call recording | ✓ |
| * RBS P02 | 2897997, 6193834 | ✓ |
| * RBS P01 | 2897997, 6193834 | ✓ |
| * RBS105 | 2897997, 6193834 | ✓ |
| * RBS106 | 2897997, 6193834 | ✓ |
| * RBS107 | 2897997, 6193834 | ✓ |
| * RBS108 | 2897997, 6193834 | ✓ |
| H+FS US P05 | 2893477, 6192782 | ✓ |
| HT 109 | 2899907, 6192981 | ✓ |
| US S 110 | 2890048, 6192981 | ✓ |
| RBSX09 | 290552, 6194370 | ✓ |
| US S 111 | 2897818, 6193728 | ✓ |
| * RH S 112 | 2897119, 6193402 | ✓ |
| * RH S 113 | 287669, 6192818 | ✓ |
| US (RET) 114 | 289563, 6192792 | ✓ |
| US S 114 | 289563, 6192792 | ✓ |
| R US 114 | " " | ✓ |
| RH S 115 | 287669, 6192818 | ✓ |
| RH S 116 | 290552, 6194370 | ✓ |
| RH S 117 | 2897818, 6193728 | ✓ |
| RBS S P02 | 289959, 6194794 | ✓ |
| RBS S P03 | 289832, 6193874 | ✓ |

some survey

RE - ridge track

RH - ridge heap
FC - frog or frog pond
FT - frog track pond
US - upland swamp

HT - Hops hopping
GBS - Bird Survey Gully
RBS - Ridge Bird Survey



Wpt
Photo Record
Sheet

| | |
|--------------|---------|
| Job Number | 4447 |
| Date / Dates | |
| GPS Unit | 8 |
| Recorder | M. Ramm |

| Waypoint # | Comments |
|--------------|---|
| RBS S118 | 289903, 6193874 Ridge Road Spring Lakestead ✓ |
| GBS SP08 | 290738, 6194087 Gully road, Spring Lake ✓ |
| GBS S119 | 290693, 6194200 - talus area of SP08 ✓ |
| F+G H S119 | " " - Gully heap and frog area ✓ |
| RH S120 | 2890742, 6194254 Ridge road ✓ |
| * RH S X02 | 289311, 6192710 Gully heap site ✓ |
| RH SP20 | 288756, 6190256 - heap fork in Arden ✓ |
| RH S121 | 288775, 6190187 Ridge heap fork in Arden ✓ |
| Hop top S122 | 289379, 6195387 Heap traps Donald's ✓ |
| GBS S3 | 289405, 6195337 Gully heap Donald's ✓ |
| GBS S122 | 289200, 6195337 Gully heap Donald's ✓ |
| GBS S3 | 289405, 6195337 Gully heap - Donald's ✓ |
| GBS S6 | 290945, 6197343 Gully Bird - Donald's ✓ |
| GBS S123 | 291496, 6197584 Gully Bird - Donald's ✓ |
| G H S123 | " " Gully heap ✓ |
| G F S123 | " " Gully frog area ✓ |

RBS - Ridge Bird Asseny
GBS - Gully Bird
GH - Gully heap
F - frog



WPT
Photo Record
Sheet

Wpts added to
list 3/1/04 KJC.

| | |
|--------------|---------|
| Job Number | 4447 |
| Date / Dates | 22/4 - |
| GPS Unit | 8 |
| Recorder | MV/Kamm |

| Photo # Wpt # | Comments |
|-------------------|--|
| P 127 | Possible herp site on E side of bc - W facing slope. ✓ ~ 100m down track is good site WPT 60m S of track |
| RBS 128 | Bird survey - Ridge 292234 on bc close to BOOS at top of study area ✓ 6197614 |
| RB S 129 | Bird survey - Ridge 292270 on bc (off) BC near transmission line easement ✓ 6196629 |
| RB S 131 | Bird survey - Ridge 291930 on bf ✓ 6195314 |
| RR S 135 | Reptile search - Ridge 292125 at southern end of study area off bc ✓ 6191166 |
| RR S 137 | Reptile search - Ridge 292136 off bf close to swamp 153 ✓ 6192282 |
| RR S 138 | Reptile search - Ridge 291989 near bf (bk intersection) (on bf) ✓ 6193550 |
| RR S 139 | Reptile search - Ridge 292355 on bc after intersection with bf (Sth end) ✓ 6193558 |
| RR S 141 | Reptile search - Ridge 292069 on bf near G001 + transmission easement ✓ 6195142 |
| RR S 143 | Reptile search - Ridge 292730 on bc west facing slope ✓ 6197079 |
| Herp 144 | herp trap 291485 - crevice at intersection of 6 and 6C ✓ 2917604 |
| ? ← Under 5214 | 291471 - small located down stream on creek ✓ 6197656 |
| GHS 5145 | 298273 off road 60, 2nd rd way along rd ✓ 6197804 |
| RET sampling 5146 | 288375 RET call play track quality ✓ 6192506 |
| GHS 5147 | 288378 Gully herp ✓ 6192470 |
| RRS 5148 | 288560 Ridge herp ✓ 6192523 |
| X 149 | 288995 ACCESS TO WP150 ✓ 6195161 |
| GHS 150 | 298950 GULLY HERP DCT 3 ✓ 6195227 |
| X 151 | 289218 ACCESS TO WP152 ✓ 6195264 |
| GHS 152 | 289159 GULLY HERP DCT 2 ✓ 6195335 |
| GHS 153 | 299327, 6195326 Donald's - see spec. specimen ✓ |
| S 54 | 289287 - remaining off 60m/100m etc. occ. term. X: 56 ✓ 6197143 |
| S 55 | 289152 - 100m off 60m, 100m from road? ✓ 6197279 |
| X 56 | off road form S154 for di. in gully ✓ |
| Herp S 157 | herp trap in gully ✓ 6197280 |

poss outside study area

6 and 6C

X: 56



Waypoint Record Sheet

Page ①

| | |
|--------------|----------|
| Job Number | 4447 |
| Date / Dates | 7.5.07 - |
| GPS Unit | 6 |
| Recorder | JC, RHM |

| Waypoint # | Comments |
|---------------|---|
| → S400 GPS6 | Anabat - gully - with Cage traps 1-6 (sw corner of study area). ✓ |
| S401 - S402 | Cage traps 1-6 - gully (sw corner of study area). ✓ |
| X401 | Fire Rd 6A - access to Cages 1-6. ✓ |
| S405 | Anabat - gully - with cage traps 13-18 (off Luke's track) access point SES. ✓ |
| S403 - S404 | Cage traps 13-18 - gully (off Luke's Track → Donald's Castle Ck). ✓ |
| S406 - S407 | Cage traps 19-24 gully - Woodgawilli creek - fire rd 6 ✓ |
| S408 | Anabat - Woodgawilli creek - from Fire Rd 6. ✓ |
| S409 | Anabat - Donald's Castle Swamp A ✓ |
| S410 | Anabat - Donald's Castle Trib (approx near DCI-2) ✓ |
| S411 | Scat sample (v-old) from Woodgawilli Ck from rd 6. Near - C21 on sandy soil ✓ |
| S412 - S413 | Cage traps 31-33 W Sandy Creek Trib B, LHS. } gully ✓ |
| S414 - S415 | Cage traps 34-36 " " " " RHS. } ✓ |
| S416 - S421 | Elliotts (B's + E's) x 6 each in 6C Swamp (upswamp of track) ✓ |
| S416 - S422 | Hair tubes (arboreal) x 21 (7 'trees') in 6C Swamp (" " " ") ✓ |
| S423 - S428 | Elliotts (B's + E's) x 6 each in DCSA. ✓ |
| S423 - S429 | Hair tubes (arboreal) x 21 (7 'trees') in DCSA. ✓ |
| (S424) | Scat sample - DCSA. 287874/6194340. ✓ |
| S430 | Diurnal bird survey - gully site (with cages 1-6). ✓ |
| S431 | " " " " " " - Luke's track b/w crossing and X04 ✓ |
| (S158 Trip 1) | Diurnal herp search - Replicate 2 (Luke's Track). ✓ |
| S432 GPS6 | Scat sample - dry creekline next to Luke's Track on dirt/ground ✓ |
| S433 - S434 | Diurnal bird survey - gully site (sw corner of study area). ✓ |
| S435 | Scat sample - Woodgawilli from X04, on ground/dirt. ✓ |
| S436 | " " - S120 herp search (Wintli), on rock. ✓ |
| S437 | " " - " " " " " " , on sand on rock. ✓ |
| S438 | Herp Trap - gully - Luke's Creek just upstream of crossing. ✓ |

also
scat
sample



BIOSIS
RESEARCH

Waypoint Record Sheet

Page ②

| | |
|--------------|------------------|
| Job Number | 4447 |
| Date / Dates | 7.5.07 - 14.5.07 |
| GPS Unit | 6 + 4 |
| Recorder | JC, RMM. |

| Waypoint # | Comments |
|----------------|---|
| 5439 | Anabat - gully - Luke's Track down from X03 ✓ |
| 5440 | " " - SW corner of study area (near 5433 birds) ✓ |
| 5441 | Harp Trap - gully " " " " " " ✓ |
| 5442 | Gully NW of Swamp 11 - Anabat. On rock at track end. ✓ |
| 5443 | Anabat - gully - Sandy Creek d/stream of bridge... ✓ |
| 5444 | " - gully - Waratah Creek " " track. ✓ |
| 5445 | Scat on ground - gully - adjacent to Peard Swamp ✓ |
| 5446 | Diurnal bird survey - Peard Swamp. ✓ |
| 5447 | 2x scat samples } rocky outcrop near Luke's Creek crossing. ✓ |
| 5448 | 1x " " } ✓ |
| 5449 | Stag-watch in DSSA. Same waypoint as P316. ✓ |
| PHARP | Brush-matted seismic line heading west of 6A. ✓ |
| P.SPOT | Seismic line heading west of 6A. ✓ |
| 5450 | Diurnal bird survey - gully, NE of X02. ✓ |
| 5451 - 5452 | " " " " ridge } near railway/6A intersection ✓ |
| 5451-5452-5453 | Koala search - ridge } near DSSA ✓ |
| 5454 | Anabat - gully - 6A/rail intersection down seismic line ✓ |
| 5455 | " " - 6A/rail " north of cages 1-6. ✓ |
| 5456 | Scat on ground - on way to Cages 13-18 off Luke's Track ✓ |
| 5457 | Harp Trap - gully NW of Swamp 11. ✓ |
| 5458 | Anabat - gully - down seismic line west of 6A. ✓ |
| 5459 | Scat on ground - on way to Wangawilli from 6A ✓ |
| 5460 | Diurnal Bird Survey - Wangawilli from rd 6A ✓ |
| 5461 | Anabat - rainforest (Wangawilli Creek). ✓ |
| 5462 | Diurnal bird survey - Wangawilli Creek in rainforest. ✓ |
| 5463 | Diurnal harp search - " " " " ✓ |
| 5464 | " bird survey - " " " " 200m d/stream of 5462. ✓ |

GPS 4



Replicate 2
but not of
its due to

✓ = entered in up+ spreadsheet (KJC) Trip ③



Waypoint Record Sheet

| | |
|--------------|-----------------|
| Job Number | 4447 |
| Date / Dates | 5-6-07 - 7-6-07 |
| GPS Unit | 5 |
| Recorder | JC + AKR |

| Waypoint # | Comments |
|---------------------------|--|
| ✓ S800-S801 | Spotlight from vehicle - ridge - 6A. 5 km 2hr 20min (p.h.) |
| PSPR1 | Possible spotlight track off 6A. |
| PSPR2 | " " " " (same as S813) |
| ✓ S802 - S806 (inclusive) | Spotlight on foot - ridge - from x20. 1.4 km 1hr 24mins (p.h.) |
| ✓ S807 - S808 | Spotlight on foot - gully - to rainforest. 500m 1hr (p.h.) |
| ✓ S809 - S810 - S811 | Spotlight on foot - ridge - track west of 6A, opp bird. 800m 48mins (p.h.) |
| ✓ S812 - S813 - S814 | Spotlight on foot - ridge - Anabat from hill. 300m 22mins (p.h.) |
| ✓ S815 - S816 | Spotlight on foot - ridge - Swamp II entry. 350m 32mins (p.h.) |
| ✓ S817 - S818 - S819 | Spotlight on foot - ridge - near 6/6A intersection. 800m 52mins (p.h.) |
| ✓ S820 - S821 | Spotlight from vehicle - ridge - 6A and 6. 1.2 km 46mins (p.h.) |
| ✓ S822 - S823 | Spotlight from vehicle - gully - x05 to crossing. 1.8 km 1hr (p.h.) |
| ✓ S824 - S827 (inclusive) | Spotlight on foot - ridge - x02 triangle. 900m 1hr (p.h.) |
| ✓ S828 - S829 | Spotlight from vehicle - gully. DC creek 6A. 1km 0.5hr (p.h.) |
| ✓ S830 - S831 | Spotlight from vehicle - ridge - 6A b/w DC and W willi. 7km. 1hr 20min (p.h.) |
| ✓ S832 - S833 | Spotlight on foot - ridge - NW of P01/6A. 300m 34mins (p.h.) |
| ✓ S834 - S835 | " " " " - NW of 6A, SW of 6A. 200m 28mins (p.h.) |
| ✓ S836 - S837 | Spotlight on foot - ridge - x01 -> Luke's Track. 1km 1hr 8mins (p.h.) |
| ✓ S838 - S839 | Spotlight on foot - gully - W willi from 6. 200m 32mins (p.h.) |
| ✓ S840 - S841 | " " " " - ridge - ^{powerline + down} maintenance track off 6C. 500m 52mins (p.h.) |
| ✓ S842 - S843 | Spotlight on foot - ridge - 6L - 200m 20mins (p.h.) |
| ✓ S844 - S845 | " " " " - " - track off 6L. 500m 42mins (p.h.) |
| | |
| | |
| | |
| | |

Inclusive inclusive of all waypoints between first and last.



BIOSIS
S I S T E M S

Photo Record Sheet

Job Number 4447

Date / Dates 22-24/04/07

Camera 4

Recorder KJC

| Photo # | Comments |
|------------|--|
| 119-1963 | Swamp 15 from heap site GPS #8 wpt 135 |
| 1964 | " |
| 1965 | " |
| 1966 | heap site - Ridge eastern slope GPS 8, wpt 135 |
| 1967 | " |
| 1968 | Swamp 15 |
| 1969 | Fire trail bf |
| 1970 | heap site - Ridge western slope - same location as above |
| 1971 | view of Wanzawilli creek from above |
| 1972 | heap site - Ridge - west facing slope - GPS 8 wpt 137 |
| 1973 | " \ bf near Swamp 15 B semi wire |
| 1974 | " |
| 1975 | " |
| 1976 | " - Ruth showing OHS method like a star! |
| 1977 | heap site ^{Ridge} - GPS 8 wpt 138 - near bf/bk intersection |
| 1978 | " \ SW facing slope |
| 1979 | " |
| 1980 | heap site - Ridge GPS 8 wpt 139 - east facing slope |
| 1981 | |
| 1982 | Burrans rd above heap site. Scat collected infant. |
| 1983 | heap site - Ridge GPS 8 wpt 143 - west facing slope |
| 1984 | " facing west |
| 23104-1985 | Stag site - DC Swamp A - large tree in hollows |
| 1986 | " - Swamp 11 - Stag. Trees nearby in hollows |



Photo Record
Sheet #1

| | |
|--------------|-----------|
| Job Number | 4447 |
| Date / Dates | 7-10/5/07 |
| Camera | #4 |
| Recorder | KJC, DCG |

| Photo # | Comments |
|-----------|---|
| 119-1987 | Harp site S517 - Waratah ck upstream of bc |
| 1988 | " " |
| 1989 | Harp site S518 - Fern tree ck - down of bc |
| 1990 | " " |
| 1991 | Waterfall at end of seismic line + ?S15B? |
| 1992 | " " |
| 1993 | bottom of waterfall |
| 1994 | Waterfall |
| 1995 | pool at base of waterfall |
| 1996 | Dam + waterfall |
| 1997 | " " |
| 1998 | Swamp at end of seismic - S15B? |
| 2000 | Waratah ck from b (during S155 herp survey) |
| 120-2001 | " " |
| 2002 | fallen + burnt log |
| 2003 | Dam herp searching (S154) |
| 2004 | S154 herp site - Cumbly |
| 2008 | Mountain Devil |
| 2011 | Upland swamp (DCS3?) from top of Donalds Castle Creek |
| 2012 |)(T2 |
| 2012 | Plant |
| 2015-2023 | Rock art site + view |
| 2024-2024 | Orange rocks at DCT |
| 2027-2028 | Purple fungus - DCT |
| 2030-2046 | leaf-tailed Gecko - Waratah ck |
| 2047-2048 | Litoria phyllonotus / Nudodigitus - Waratah ck |



BIOSIS
BIOLOGICAL OBSERVATION SYSTEM

Photo Record Sheet

| | |
|--------------|--|
| Job Number | |
| Date / Dates | |
| Camera | |
| Recorder | |

| Photo # | Comments |
|----------------------|---|
| 2061 - 2062 | Orchid - Dam. |
| 12/5/07 2063 - 2066 | Waterfall on SC - view of Cordemx Dam |
| 12/15/07 2067 - 2072 | Elliot + hour tubes in bc Swamp. |
| 2073 | Harp trap - above RCT creek off bc |
| 2074 | Harp trap - kruskmated track off bf / bk intersection |
| 2075 - 2076 | Good harp site below S303 - potential Broad-headed snake hold |
| 2077 | Anabat on bc in gully before Sandy ck (S533) |
| 2078 | Stag - SISB |
| 2079 - 2095 | Crayfish in creek adjacent to SISB |
| 2096 - 2097 | L. Littlejohni in SISA |
| 2098 + 2100 | Mountain Devil |
| 2101 | S - Harp site accessed from alternate track past S11 |
| 2103 - 2106 | S - Harp site - view to Lake Avon |
| 2107 - 2110 | Bones at above site |
| 2111 - 2113 | E. Water Skink - on ridge above Wonga Willi |
| 2114 - 2116 | View from X224 - walk into Wonga rainforest + stream site |
| 2117 - 2120 | Walk into Rainforest |
| 2121 - 2138 | Rainforest |
| 2139 | R/O above rainforest (E slope) |
| 2140 | Diving walk to Anabat Dam well (S - west of 6A) |
| 2141 | Swamp looking down into Lake Avon |
| 2142 | Anabat flyway (Anabat Dam well) |
| 2143 | Track / Scat transect - Macropod - |
| 2144 | along 6A - dingo? |
| 2145 | " - White-faced heron? |
| 2146 | " - " " |
| 2147 | " - Wombat |
| 2148 | " - Dam. |
| 2149 | " - Katie |