

# **APPENDIX 2**

## **COMPLETED FLORA FIELD SURVEY PROFORMAS**



0178	Acac biner	4681	Cass glabe	1394	Gahn radul
5917	Acac elong	4680	Cass glabe	5460	Gomp grand
0414	Acac hispi	3559	Cass pubes	1489	Gono tetra
0045	Acac imple	0688	Caus flexu	5567	Grev longi
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0098	Acac ulici	3890	Cono tenui	5811	Hove linea
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0857	Acti minor	4069	Crot verre	5907	Isop aneth
0677	Allo litto	9269	Cryp spp.	1845	Junc usita
1151	Alph excel	0899	Cyat diand	1848	Kenn rubic
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9052	Amye spp.	0958	Damp stric	6004	Lamb formo
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0237	Aotu erico	1036	Dich repen	6105	Lept p.pol
1589	Aris vagan	4476	Dill flori	6121	Lepy scari
0305	Astr pinif	4481	Dill retor	1982	Leuc junip
0981	Aust tenui	1093	Dodo triqu	2014	Lind linea
2069	Aust pubes	4592	Dodo v.vis	4710	Loma f.fil
9102	Aust spp.	1096	Dood asper	2046	Loma longi
2186	Baec imbri	1097	Dood cauda	2048	Loma m.mul
2222	Balo graci	4616	Drac secun	6192	Loma obliq
2255	Bank e.eri	1109	Dros spatu	6196	Loma silai
0363	Bank margi	1132	Eina hasta	6341	Mela linar
2269	Bank oblon	1161	Ento margi	2179	Micr s.sti
0366	Bank serra	3790	Ento stric	6768	Pers lance
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2320	Baum teret	4923	Euca acmen	6960	Plat linea
4291	Bill s.sca	1243	Euca agglo	4694	Poa l.lab
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0557	Cale major	5142	Euca racem	9855	Styl spp.
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0567	Call subul	5187	Euca teret	8049	West longi
0609	Caly tetra	1353	Exoc stric	9928	Xant spp.



# Vegetation Assessment

<b>Project #:</b> 4200
<b>Observer:</b> B.S. MS
<b>Date:</b> 11/07/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: <i>A</i>	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="0"/> <input type="text" value="1"/> <input type="text" value="8"/>	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="7"/> <input type="text" value="8"/> <input type="text" value="6"/>
Location description: <i>Exp. Sst. Scribbly woodland</i>		
Photo numbers:		

<b>Topographical features</b>	
Slope <input type="text" value=""/> <input type="text" value=""/> <sup>°</sup> - <i>0</i>	Aspect <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <sup>°</sup> <i>East</i>
Outcropping% <i>50</i>	Surface Rock %
Soil Type	Horizon visibility

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
Upper	<i>Trees</i>		<i>10</i>	<i>20</i>	<i>6</i>	<i>Eu. sieb (mult. trunk), Eu. racem, Corygummi.</i>
Mid				<i>15</i>	<i>"</i>	<i>Banksia serr. Lepto fraseriana, Bu.</i>
Lower				<i>25</i>	<i>"</i>	<i>B. spin, Eriostylo, Isopogon</i>
Ground				<i>35</i>	<i>"</i>	<i>Cyathochaeta, Xantho meu, Keryochia, scar, Lomandra cylind, Anisopogon</i>
<b>Specht Classification</b>						
<b>Mapped vegetation community</b>		<i>Exp. Sst. Sc. Woodland</i>				

<b>Habitat Description and comments</b>
<b>General</b>
<i>RT. Diverse, good habitat &amp; Pers. hirs.</i>
<i>- Good habitat &amp; V. roosei nearby V-13</i>
<b>Fire History:</b> <i>2-3 ya</i>
<b>Vegetation condition:</b> <i>Good</i>
<b>Tree Age and Regeneration:</b> <i>Mature &amp; regen</i>
<b>Understorey:</b>
<b>Introduced species:</b>
<b>Adjacent land:</b>
<b>Disturbances:</b>

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9052	Amye spp.	0958	Damp stric	6004	Lamb formo
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Project #: 4200

Observer: SEW

Date: 11/7/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: 001 (GPS 6)	Easting <input type="text" value="0298418"/>	Northing <input type="text" value="6211619"/>
Location description: Gully of Brennans ck. (via)		
Photo numbers: 1		

<b>Topographical features</b>	
Slope <input type="text" value=""/> <input type="text" value=""/> °	Aspect <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> °
Outcropping%	Surface Rock %
Soil Type	Horizon visibility

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
Upper	T	15	20	15	G	Euc pip, Conym gum
Mid	ST	1.5	3	40	G	Bank eric, lept trin Hake <del>eric</del> Acac Cera top <del>eric</del> gum.
Lower	S	1	1.5	30	G	Bank spin, Acac term, <del>eric</del> Leucoperic, Pers <del>eric</del>
Ground	scare grass	0	0.5	10	G	Uromyza sp. long. Patels glab, <del>eric</del>
<b>Specht Classification</b>						
<b>Mapped vegetation community</b>						

King fern along creek.

<b>Habitat Description and comments</b>
<b>General</b>
<b>Fire History:</b>
Vegetation condition: Good
Tree Age and Regeneration:
Understorey:
Introduced species: None
Adjacent land: bushland
Disturbances: powerline / tracks

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1589	Aris vagan	4476	Dill flori	6121	Lepy scari
0305	Astr pinif	4481	Dill retor	1982	Leuc junip
0981	Aust tenui	1093	Dodo triqu	2014	Lind linea
2069	Aust pubes	4592	Dodo v.vis	4710	Loma f.fil
9102	Aust spp.	1096	Dood asper	2046	Loma longi
2186	Baec imbri	1097	Dood cauda	2048	Loma m.mul
2222	Balo graci	4616	Drac secun	6192	Loma obliq
2255	Bank e.eri	1109	Dros spatu	6196	Loma silai
0363	Bank margi	1132	Eina hasta	6341	Mela linar
2269	Bank oblon	1161	Ento margi	2179	Micr s.sti
0366	Bank serra	3790	Ento stric	6768	Pers lance
2285	Bank s.col	5250	Epac m.mic	2464	Pers levis
0371	Baue rubio	4788	Epac pulch	6792	Pers pinif
0377	Baum junce	1185	Erag brown	6810	Petr sessi
0379	Baum rubig	4893	Erio austr	4819	Pime l.lin
2320	Baum teret	4923	Euca acmen	6960	Plat linea
4291	Bill s.sca	1243	Euca agglo	4694	Poa l.lab
9126	Blec spp.	4991	Euca crebr	7043	Poma e.ell
0436	Boss ensat	1281	Euca globo	2658	Poma ferru
0438	Boss heter	5033	Euca haema	2660	Poma lanig
0439	Boss obcor	5114	Euca pilul	5685	Pult micro
0515	Burs s.spi	5115	Euca piper	3049	Scho melan
4340	Caes p.min	5138	Euca punct	7555	Senn odora
0557	Cale major	5142	Euca racem	9855	Styl spp.
0562	Call citri	1318	Euca siebe	3496	*Verb bonar
0567	Call subul	5187	Euca teret	8049	West longi
0609	Caly tetra	1353	Exoc stric	9928	Xant spp.



0178	Acac biner	4681	Cass glabe	1394	Gahn radul
5917	Acac elong	4680	Cass glabe	5460	Gomp grand
0414	Acac hispi	3559	Cass pubes	1489	Gono tetra
0045	Acac imple	0688	Caus flexu	5567	Grev longi
0489	Acac linif	3648	Cent asiat	5580	Grev oleoi
5128	Acac longi	3692	Cera gummi	5583	Grev p.par
0063	Acac myrti	0733	Chei s.sie	5596	Grev s.ser
0550	Acac parra	3773	Chlo stoec	1562	Hake dacty
0091	Acac stric	0755	*Chlo gayan	5664	Hake t.ter
0092	Acac suave	3886	Cono erici	5731	Hibb a.asp
0095	Acac termi	3887	Cono l.ang	5736	Hibb c.cis
0098	Acac ulici	3890	Cono tenui	5811	Hove linea
3650	Acti helia	1288	Cory gummi	5867	Impe c.maj
0857	Acti minor	4069	Crot verre	5907	Isop aneth
0677	Allo litto	9269	Cryp spp.	1845	Junc usita
1151	Alph excel	0899	Cyat diand	1848	Kenn rubic
0206	Ampe x.xip	0953	Damp purpu	1854	Kunz ambig
9052	Amye spp.	0958	Damp stric	6004	Lamb formo
4527	*Andr virgi	4246	Darw grand	1873	Lasi f.fer
5389	Ango costa	4429	Davi u.uli	1923	Lepi later
0230	Ango flori	1027	Dian c.cae	1939	Lept acida
0231	Anis avena	4398	Dian c.pro	6088	Lept junip
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2186	Baec imbri	1097	Dood cauda	2048	Loma m.mul
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0609	Caly tetra	1353	Exoc stric	9928	Xant spp.



# Vegetation Assessment

<b>Project #:</b> 4200
<b>Observer:</b> SEW
<b>Date:</b> 11/10/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: V634	Easting <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"/>
Location description: gully of Brennans ck.		
Photo numbers:		

<b>Topographical features</b>	
Slope <input type="text"/> <input type="text"/> °	Aspect <input type="text"/> <input type="text"/> <input type="text"/> °
Outcropping%	Surface Rock %
Soil Type	Horizon visibility

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
Upper	T	15	25	25	G	Bee pip, Corym gum
Mid	ST	2	4	30	G	Bank sett, seratop gum, Peis levis, lept trin
Lower	S	1	2		G	the hubs nit, Vimin junc, Eriost aust, Bank spin
Ground	gully	0	0	5	G	wools pung, aust Flew, <span style="float: right;">Poly lineal</span>
<b>Specht Classification</b>						
<b>Mapped vegetation community</b>		Gully Forest.				

<b>Habitat Description and comments</b>
<b>General</b>
<b>Fire History:</b> ~2001 fires
<b>Vegetation condition:</b> Good
<b>Tree Age and Regeneration:</b> Some large old trees
<b>Understorey:</b> down m/ leaf litter, sparse veg
<b>Introduced species:</b> —
<b>Adjacent land:</b> Bushland
<b>Disturbances:</b> — fire



0178	Acac biner	4681	Cass glabe	1394	Gahn radul
5917	Acac elong	4680	Cass glabe	5460	Gomp grand
0414	Acac hispi	3559	Cass pubes	1489	Gono tetra
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0562	Call citri	1318	Euca siebe	3496	*Verb bonar
0567	Call subul	5187	Euca teret	8049	West longi
0609	Caly tetra	1353	Exoc stric	9928	Xant spp.



# Vegetation Assessment

Project #: 4200
Observer: SEW
Date: 12/17/06

<b>Location</b>	
Waypoint: V47	Easting <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"/>
Location description: Gully forest, upslope of Bremans ck dam	
Photo numbers:	

<b>Topographical features</b>	
Slope <input type="text"/> 10°	Aspect <input type="text"/> 180° southerly
Outcropping% 40	Surface Rock % 70
Soil Type Sandstone	Horizon visibility 1-2km

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
Upper	T	8	15	30	G	Euc pip, Ango roset, Euc alab, carven gum
Mid	ST	3	5	15	G	Bank serr, Coratop gum, Acac long
Lower	Shrub	1	2	50	G	Acac term, lept trig, wack pin, Bank spin, Leucoperic, pers. <sup>hevis</sup>
Ground	Grass Herb	0	0.5	10	G	Entel shrub, Leonardia sp, Caust flex
<b>Specht Classification</b>		Hibbertia nitida present				
<b>Mapped vegetation community</b>		Sandstone gully Peppermint-Apple forest				

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

<b>Disturbances</b>	C= Continuous, S = Scattered, I = Isolated
<input type="checkbox"/> Grazing	<input type="checkbox"/> Powerlines
<input type="checkbox"/> Roads	<input type="checkbox"/> Erosion
<input type="checkbox"/> Logging	<input type="checkbox"/> Soil profile

Dam





# Vegetation Assessment

Project #:	4200
Observer:	SEW
Date:	12/7/06

<b>Location</b>		
Waypoint: V 46	Easting <input type="text"/>	Northing <input type="text"/>
Location description:		
Photo numbers:		

<b>Topographical features</b>	
Slope <input type="text"/> 10°	Aspect <input type="text"/> Easterly
Outcropping% 40	Surface Rock % 20
Soil Type Sandstone	Horizon visibility 200m

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
Upper	T	8	15	30	G	Euc racem, Euc glob, euc gum, Euc p.p.
Mid	ST	6	8	15	G	juvenile eucs.
Lower	shrub	1	3	45	G	Acacia tern, Pers pine, Pers tree, <del>lept tree</del> , Banksia spin, <del>Dalmanella</del> , Red tree, <del>Ceratopogon</del>
Ground	grass edge	0	0.5	10	G	Acacia eucaly, <del>Cyatococh diard</del> , <del>leucaena</del> smart silaf, <del>Plectis glob.</del>
<b>Specht Classification</b>						hardtop later, Diane raer pool
<b>Mapped vegetation community</b>						Sandstone Cully Peppermint Forest

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

<b>Disturbances</b>	C = Continuous, S = Scattered, I = Isolated
<input type="checkbox"/> Grazing	<input type="checkbox"/> Powerlines
<input type="checkbox"/> Roads	<input type="checkbox"/> Erosion
<input type="checkbox"/> Logging	<input type="checkbox"/> Soil profile

None





# Vegetation Assessment

<b>Project #:</b> 4200
<b>Observer:</b> SEW
<b>Date:</b> 12/7/06

<b>Location</b>	
Waypoint: V52	Easting <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"/>
Location description: on Brennan's ck	
Photo numbers:	

<b>Topographical features</b>	
Slope 15°	Aspect 180° southerly
Outcropping% 50%	Surface Rock % 20
Soil Type sandstone	Horizon visibility 100m

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
Upper	T	10	15	30	G.	Euc glob, Euc pip, Corym gum (up slope)
Mid	ST	6	8	15	G.	Ceratop gum, Bank serr
Lower	shrub	1	3	40	G.	Bank serr, Bank eric, large term pers pine, Bank serr, lept polyg, Ribb, wattle, pittos
Ground	sedge	0	0.5	10	G.	lowland long, Banksia microphy, lowland mult, Acaonthe ferns, Epar pulch
<b>Specht Classification</b>						
<b>Mapped vegetation community</b>		Peppermint 4-11, Corred				

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

<b>Disturbances</b>	C= Continuous, S = Scattered, I = Isolated
<input type="checkbox"/> Grazing	<input type="checkbox"/> Powerlines
<input type="checkbox"/> Roads	<input type="checkbox"/> Erosion
<input type="checkbox"/> Logging	<input type="checkbox"/> Soil profile





# Vegetation Assessment

<b>Project #:</b> 4200
<b>Observer:</b> NS/BS
<b>Date:</b> 12/07/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: V 08	Easting <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"/>
Location description: <i>Impeded Drainage line</i>		
Photo numbers:		

<b>Topographical features</b>	
Slope <input type="text"/> <input type="text"/> °	Aspect <input type="text"/> <input type="text"/> <input type="text"/> °
Outcropping%	Surface Rock %
Soil Type	Horizon visibility

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
Upper	<i>Large Shrubs</i>	1	1.5	5	G	<i>B.eric, Isopogon aneth.</i>
Mid	<i>Small Shrubs</i>	0.2	0.5	60	"	<i>Mitromyrtus ciliata, Leucopogon sp. lept. arbut-noides, Baeleba sp.</i>
Lower	<i>Sedges Grasses</i>	0	0.5	25	"	<i>Lepidodermis scus, Cyathochaete dendron</i>
Ground						
<b>Specht Classification</b>						
<b>Mapped vegetation community</b>						

<b>Habitat Description and comments</b>
<b>General</b>
<i>Open area with no trees → Impeded drainage.</i>
<b>Fire History:</b>
<b>Vegetation condition:</b>
<b>Tree Age and Regeneration:</b>
<b>Understorey:</b>
<b>Introduced species:</b>
<b>Adjacent land:</b>
<b>Disturbances:</b>



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5917	Acac elong	4680	Cass glabe	5460	Gomp grand
0414	Acac hispi	3559	Cass pubes	1489	Gono tetra
0045	Acac imple	0688	Caus flexu	5567	Grev longi
0489	Acac linif	3648	Cent asiat	5580	Grev oleoi
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0567	Call subul	5187	Euca teret	8049	West longi
0609	Caly tetra	1353	Exoc stric	9928	Xant spp.



# Vegetation Assessment

<b>Project #:</b> 4200
<b>Observer:</b> B. Smith
<b>Date:</b> 11/07/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: E06	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="8"/> <input type="text" value="8"/> <input type="text" value="1"/>	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="6"/> <input type="text" value="0"/> <input type="text" value="0"/>
Location description: Woodland near E06		
Photo numbers:		

<b>Topographical features</b>	
Slope <input type="text"/> <input type="text"/> °	Aspect <input type="text"/> <input type="text"/> <input type="text"/> °
Outcropping%	Surface Rock %
Soil Type	Horizon visibility

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
Upper				50		E sieb, Euc. glob. <sup>cor.</sup> Euc. sum. Bank serr, Bank eric
Mid				70%		Bank eric, Banks Hoheu ferit
Lower						
Ground						
<b>Specht Classification</b>						
<b>Mapped vegetation community</b>						

<b>Habitat Description and comments</b>
<b>General</b>
Dense under Hakea ferit & Bank eric,
<b>Fire History:</b>
<b>Vegetation condition:</b>
<b>Tree Age and Regeneration:</b>
<b>Understorey:</b>
<b>Introduced species:</b>
<b>Adjacent land:</b>
<b>Disturbances:</b>

0178	Acac biner	4681	Cass glabe	1394	Gahn radul
5917	Acac elong	4680	Cass glabe	5460	Gomp grand
0414	Acac hispi	3559	Cass pubes	1489	Gono tetra
0045	Acac imple	0688	Caus flexu	5567	Grev longi
0489	Acac linif	3648	Cent asiat	5580	Grev oleoi
5128	Acac longi	3692	Cera gummi	5583	Grev p.par
0063	Acac myrti	0733	Chei s.sie	5596	Grev s.ser
0550	Acac parra	3773	Chlo stoec	1562	Hake dacty
0091	Acac stric	0755	*Chlo gayan	5664	Hake t.ter
0092	Acac suave	3886	Cono erici	5731	Hibb a.asp
0095	Acac termi	3887	Cono l.ang	5736	Hibb c.cis
0098	Acac ulici	3890	Cono tenui	5811	Hove linea
3650	Acti helia	1288	Cory gummi	5867	Impe c.maj
0857	Acti minor	4069	Crot verre	5907	Isop aneth
0677	Allo litto	9269	Cryp spp.	1845	Junc usita
1151	Alph excel	0899	Cyat diand	1848	Kenn rubic
0206	Ampe x.xip	0953	Damp purpu	1854	Kunz ambig
9052	Amye spp.	0958	Damp stric	6004	Lamb formo
4527	*Andr virgi	4246	Darw grand	1873	Lasi f.fer
5389	Ango costa	4429	Davi u.uli	1923	Lepi later
0230	Ango flori	1027	Dian c.cae	1939	Lept acida
0231	Anis avena	4398	Dian c.pro	6088	Lept junip
0237	Aotu erico	1036	Dich repen	6105	Lept p.pol
1589	Aris vagan	4476	Dill flori	6121	Lepy scari
0305	Astr pinif	4481	Dill retor	1982	Leuc junip
0981	Aust tenui	1093	Dodo triqu	2014	Lind linea
2069	Aust pubes	4592	Dodo v.vis	4710	Loma f.fil
9102	Aust spp.	1096	Dood asper	2046	Loma longi
2186	Baec imbri	1097	Dood cauda	2048	Loma m.mul
2222	Balo graci	4616	Drac secun	6192	Loma obliq
2255	Bank e.eri	1109	Dros spatu	6196	Loma silai
0363	Bank margi	1132	Eina hasta	6341	Mela linar
2269	Bank oblon	1161	Ento margi	2179	Micr s.sti
0366	Bank serra	3790	Ento stric	6768	Pers lance
2285	Bank s.col	5250	Epac m.mic	2464	Pers levis
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2320	Baum teret	4923	Euca acmen	6960	Plat linea
4291	Bill s.sca	1243	Euca agglo	4694	Poa l.lab
9126	Blec spp.	4991	Euca crebr	7043	Poma e.ell
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0438	Boss heter	5033	Euca haema	2660	Poma lanig
0439	Boss obcor	5114	Euca pilul	5685	Pult micro
0515	Burs s.spi	5115	Euca piper	3049	Scho melan
4340	Caes p.min	5138	Euca punct	7555	Senn odora
0557	Cale major	5142	Euca racem	9855	Styl spp.
0562	Call citri	1318	Euca siebe	3496	*Verb bonar
0567	Call subul	5187	Euca teret	8049	West longi
0609	Caly tetra	1353	Exoc stric	9928	Xant spp.



# Vegetation Assessment

Project #: 4200

Observer: NR

Date: 12/7/2006

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint:	Easting <input type="text" value="2"/> <input type="text" value="7"/> <input type="text" value="7"/> <input type="text" value="0"/> <input type="text" value="7"/> <input type="text" value="1"/>	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="7"/> <input type="text" value="2"/> <input type="text" value="2"/>
Location description: Ridgetop - @ V43 - above picnic ground - @ base of large C. gummitera		
Photo numbers:		

<b>Topographical features</b>	
Slope <input type="text" value="0"/> <input type="text" value="5"/> °	Aspect <input type="text" value="2"/> <input type="text" value="2"/> <input type="text" value="0"/> °
Outcropping% 0 - 5%	Surface Rock % < 5%
Soil Type sandy	Horizon visibility up to 1 km

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
Upper	T	8	15	20%	Good	E. sieb, C. gummit, E. racemosa.
Mid	S	1.5	3m	50%	Good	B. serrata, L. trinervis, P. lewis Persoonia <del>leptota</del> Boss ob, pinitola
Lower	Graze Small shrub					
Ground	L	< 0.5		40%	Good	Cassia hier, montola sp, Lamata silatola. Lantia stricta
<b>Specht Classification</b>						
<b>Mapped vegetation community</b>						

<b>Habitat Description and comments</b>
<b>General</b>
Good condition vegetation with some very large hollow bearing trees
<b>Fire History:</b> 75 years
<b>Vegetation condition:</b> Good
<b>Tree Age and Regeneration:</b> > 10 years for very large
<b>Understorey:</b> Good - dense proteacea + leptospermum
<b>Introduced species:</b> -
<b>Adjacent land:</b> Same
<b>Disturbances:</b> Some minor disturbance due to seasonal burning

NB: No Phoradendron noticed yet

Platylia

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0609	Caly tetra	1353	Exoc stric	9928	Xant spp.



# Vegetation Assessment

**Project #:** 4200

**Observer:** Matt + Siân

**Date:** 12/7/2006

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint:	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="7"/> <input type="text" value="7"/> <input type="text" value="5"/> <input type="text" value="7"/>	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="6"/> <input type="text" value="9"/> <input type="text" value="2"/>
Location description: inside gate @ Brennan's dc Dam		
Photo numbers:		

<b>Topographical features</b>	
Slope <input type="text" value="0"/> <input type="text" value="5"/> °	Aspect <input type="text" value="2"/> <input type="text" value="4"/> <input type="text" value="0"/> °
Outcropping% 20-30	Surface Rock % <5
Soil Type sand	Horizon visibility 1.0-2km

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
Upper	T	8	15	30	G	E. Globb, Anaphal cost, E. pip comynoid Gommitera, E. sieberii E. racemosa,
Mid	S	1.5	3	40	G	Personia levis, Banksia sp Lepto Arinewin, Banksia sp
Lower						
Ground	small shrubs grasses	0.1	0.5	60	G	<del>lepidio</del> filliforme, Caustis flexosa Xantho, Cyatho diand Ento strict
<b>Specht Classification</b>						
<b>Mapped vegetation community</b>		Sandstone Gully Peppermint apple forest.				

<b>Habitat Description and comments</b>	
<b>General</b>	
- Dense shrub layer	
- classic ss woodland	
- not burnt for some years	
<b>Fire History:</b> 75+	
<b>Vegetation condition:</b> good	
<b>Tree Age and Regeneration:</b> 20+ years	
<b>Understorey:</b> grassy / sedge / shrubs	
<b>Introduced species:</b> same as access track - Whiskey grass	
<b>Adjacent land:</b> same	
<b>Disturbances:</b> Roads, Brennan's dc Dam	

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0567	Call subul	5187	Euca teret	8049	West longi
0609	Caly tetra	1353	Exoc stric	9928	Xant spp.



# Vegetation Assessment

**Project #:** 4200

**Observer:** NR

**Date:** 12/7/2006

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: WP 003 APS 5	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="2"/> <input type="text" value="0"/> <input type="text" value="1"/>	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="7"/> <input type="text" value="1"/> <input type="text" value="0"/>
Location description: WP 003 - near to V45 - at base of very large E. racemosa		
Photo numbers:		

<b>Topographical features</b>	
Slope <input type="text" value="0"/> <input type="text" value="1"/> °	Aspect <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="5"/> °
Outcropping% 0-5	Surface Rock % 0
Soil Type Sandy	Horizon visibility 1-2km

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
Upper	T	8	15	20	Good	E. racemosa, C. Goumitieri ✓ E. Globboidia
Mid	S	1.5	3.0	60 <del>80</del>	Good	Petrophile sessilis Banks spiro, Maka dact
Lower						
Ground	small shrubs grass					curly grass (not stain) Hakomatia siliatolig Pattersonia sericea
<b>Specht Classification</b>						
<b>Mapped vegetation community</b>		Ridgetop woodland.				

<b>Habitat Description and comments</b>
<b>General</b> Good condition
- very dense understorey + more open tree canopy as get closer to ridge.
- No persons observed.
<b>Fire History:</b> 7-10 years
<b>Vegetation condition:</b> Good - excellent
<b>Tree Age and Regeneration:</b> +10 (some very old scribbly gum)
<b>Understorey:</b> good - dense Petrophile sessilis,
<b>Introduced species:</b> -
<b>Adjacent land:</b> Same
<b>Disturbances:</b> None



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0515	Burs s.spi	5115	Euca piper	3049	Scho melan
4340	Caes p.min	5138	Euca punct	7555	Senn odora
0557	Cale major	5142	Euca racem	9855	Styl spp.
0562	Call citri	1318	Euca siebe	3496	*Verb bonar
0567	Call subul	5187	Euca teret	8049	West longi
0609	Caly tetra	1353	Exoc stric	9928	Xant spp.



0178	Acac biner	4681	Cass glabe	1394	Gahn radul
5917	Acac elong	4680	Cass glabe	5460	Gomp grand
0414	Acac hispi	3559	Cass pubes	1489	Gono tetra
0045	Acac imple	0688	Caus flexu	5567	Grev longi
0489	Acac linif	3648	Cent asiat	5580	Grev oleoi
5128	Acac longi	3692	Cera gummi	5583	Grev p.par
0063	Acac myrti	0733	Chei s.sie	5596	Grev s.ser
0550	Acac parra	3773	Chlo stoec	1562	Hake dacty
0091	Acac stric	0755	*Chlo gayan	5664	Hake t.ter
0092	Acac suave	3886	Cono erici	5731	Hibb a.asp
0095	Acac termi	3887	Cono l.ang	5736	Hibb c.cis
0098	Acac ulici	3890	Cono tenui	5811	Hove linea
3650	Acti helia	1288	Cory gummi	5867	Impe c.maj
0857	Acti minor	4069	Crot verre	5907	Isop aneth
0677	Allo litto	9269	Cryp spp.	1845	Junc usita
1151	Alph excel	0899	Cyat diand	1848	Kenn rubic
0206	Ampe x.xip	0953	Damp purpu	1854	Kunz ambig
9052	Amye spp.	0958	Damp stric	6004	Lamb formo
4527	*Andr virgi	4246	Darw grand	1873	Lasi f.fer
5389	Ango costa	4429	Davi u.uli	1923	Lepi later
0230	Ango flori	1027	Dian c.cae	1939	Lept acida
0231	Anis avena	4398	Dian c.pro	6088	Lept junip
0237	Aotu erico	1036	Dich repen	6105	Lept p.pol
1589	Aris vagan	4476	Dill flori	6121	Lepy scari
0305	Astr pinif	4481	Dill retor	1982	Leuc junip
0981	Aust tenui	1093	Dodo triqu	2014	Lind linea
2069	Aust pubes	4592	Dodo v.vis	4710	Loma f.fil
9102	Aust spp.	1096	Dood asper	2046	Loma longi
2186	Baec imbri	1097	Dood cauda	2048	Loma m.mul
2222	Balo graci	4616	Drac secun	6192	Loma obliq
2255	Bank e.eri	1109	Dros spatu	6196	Loma silai
0363	Bank margi	1132	Eina hasta	6341	Mela linar
2269	Bank oblon	1161	Ento margi	2179	Micr s.sti
0366	Bank serra	3790	Ento stric	6768	Pers lance
2285	Bank s.col	5250	Epac m.mic	2464	Pers levis
0371	Baue rubio	4788	Epac pulch	6792	Pers pinif
0377	Baum junce	1185	Erag brown	6810	Petr sessi
0379	Baum rubig	4893	Erio austr	4819	Pime l.lin
2320	Baum teret	4923	Euca acmen	6960	Plat linea
4291	Bill s.sca	1243	Euca agglo	4694	Poa l.lab
9126	Blec spp.	4991	Euca crebr	7043	Poma e.ell
0436	Boss ensat	1281	Euca globo	2658	Poma ferru
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0609	Caly tetra	1353	Exoc stric	9928	Xant spp.

4200 - Westcliff SFS



# Vegetation Assessment

Project #: ~~4447 - Dend A0 SFS Ridges~~

Observer: 01/05/07 BJS/NS

Date: 11 11

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: 009	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="7"/> <input type="text" value="9"/> <input type="text" value="3"/> <input type="text" value="8"/>	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="9"/> <input type="text" value="9"/> <input type="text" value="3"/>
Location description:	Option A - Emplacement Access - Construction road	
Photo numbers:	1 (after matt B. photo's)	

<b>Topographical features</b>	
Slope 30°	Aspect E
Outcropping % 20	Surface Rock % 0
Soil Type JST	Horizon visibility

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species	
Upper	Trees	17	20	40	G	Euc. piperita, Euc. oblonga, Corymbia gummifera	
Mid	ST	6	12	15	G	Banksia serrata, Allocas. litt Euc. spp., Lept. trin.	
Lower	SH	1	4	25	G	Bank. spin, Pers. levis, Eriost aust. Grac. muco, Lept. trinervium	
Ground	Herbs Grasses	0	1	10	G	Ent. strict, Phytanthus hirtellus Pomax umb, Meridium etc,	
<b>Specht</b>	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
<b>Mapped community</b>	Gully Peppermint forest						
<b>EECs/Threatened Plants</b>							

<b>General Habitat Description and comments</b>
Fire History: 15 years, nearby
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) - Permantly altered, Reveg area, Open space/exotic pasture
Weeds and Weed Density: Nil

5128	Acac longi	4788	Epac pulch	2079	Lycu deute
0053	Acac l.lan	4893	Erio austr	6307	Mars suave
0092	Acac suave	1281	Euca globo	2179	Micr s.sti
0095	Acac termi	5033	Euca haema	2205	Mirb rubii
0098	Acac ulici	5115	Euca piper	2211	Mitr polym
3650	Acti helia	5142	Euca racem	2218	Mono ellip
0857	Acti minor	1318	Euca siebe	2220	Mono scopa
0677	Allo litto	1395	Gahn siebe	2232	Muel 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	1490	Gono teucr	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 rubio	5632	Haem plani	2501	Phyl hirte
4291	Bill s.sca	1562	Hake dacty	4818	Pime l.cae
0404	Blec carti	1571	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 obcor	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	Hove linea	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	2938	Rici pinif
3773	Chlo stoec	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 aconi	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 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	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	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		



# Vegetation Assessment

Project #: 4200 - Westcliff

Observer: NS/SEW

Date: 12/12/06

<b>Location</b>	<b>Note: Easting and Northing is Mandatory for FIS</b>		
Waypoint: CPS2 WPO10	Easting	299419	Northing
Location description:			
Photo numbers:			

<b>Topographical features</b>	
Slope	Aspect
Outcropping %	Surface Rock %
Soil Type	Horizon visibility

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species	
Upper	shrub	3	5	-	G	Burnt-Bank eric, lept polyg, regenerating	
Mid							
Lower							
Ground	sedge fern	0	1	40	G	scheeen brev, lepidosp sp Banksia, Imp cylind, Asterid-escul, tetra cap, lept trin	
<b>Specht</b>	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
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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
<b>Mapped community</b>	Upland Swamp - Banksia thicket						
<b>EECs/Threatened Plants</b>							

<b>General Habitat Description and comments</b>
Fire History: < 1yrs
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) - Permantly altered, Reveg area, Open space/exotic pasture
Weeds and Weed Density: few to no weeds
Very recently burnt-overstory killed by fire (Bank eric + lept polyg) w some lept polyg regenerating. Lots of bank eric and regenerating in understorey + lept polyg. Ground layer sparse in places. -> Good regeneration after fire

0018	Acac brown	0733	Chei s.sie	5170	Euca sider	1923	Lepi later	6792	Pers pinif	choriz
0423	Acac irror	3773	Chlo stoec	1318	Euca siebe	1927	Lepi neesi	6809	Petr pulch	sphae
0489	Acac linif	0755	*Chlo gayan	5187	Euca teret	1930	Lepi uroph	6810	Petr sessi	(round)
5128	Acac longi	0782	*Cirs vulga	3749	Euch invol	(1938)	Lept tenax	2500	Phyl gunni	Cory sp
0056	Acac mearn	0788	Clem arist	1346	Eust latif	1939	Lept acida	2501	Phyl hirte	Flaem sp
0063	Acac myrti	3886	Cono erici	1350	Exoc cupre	1956	Lept conti	2510	*Phyt octan	
0068	Acac obtus	3887	Cono l.ang	1353	Exoc stric	1953	Lept emarg	4819	Pime l.lin	
0550	Acac parra	0806	Cono taxif	5266	Ficu m.mac	6088	Lept junip	2561	*Plan lance	Thyssa
0092	Acac suave	3890	Cono tenui	5336	Gahn asper	1958	Lept lanig	2571	Plat erico	
0095	Acac termi	0810	*Cory albid	1387	Gahn clark	6094	Lept morri	6960	Plat linea	sp.
0098	Acac ulici	4370	Corr r.ref	1394	Gahn radul	6098	Lept parvi	2575	Plec parvi	lobelia
0843	Acro divar	1288	Cory gummi	1404	Gali binif	6105	Lept p.pol	4694	Poa l.lab	sp. X
3650	Acti helia	4378	Cras s.sie	5410	Gera s.sol	1950	Lept trine	2395	Podo ilici	
0857	Acti minor	4069	Crot verre	1440	Glei dicar	6121	Lepy scari	7012	Poly calyc	
0129	Adia aethi	4072	Cryp a.ama	1441	Glei micro	1978	Leuc erico	2655	Poma disco	
5449	Adia h.his	(0899)	Cyat diand	1455	Glyc cland	1982	Leuc junip	7043	Poma e.ell	
0888	*Ager adeno	0905	Cymb refra	1457	Glyc tabac	1983	Leuc l.lan	2658	Poma ferru	
0677	Allo litto	0907	Cyno dacty	9417	Gnap spp.	6145	Leuc setig	2673	Poma inter	
5383	Allo torul	0953	Damp purpu	5460	Gomp grand	1995	Leuc virga	2660	Poma lanig	
0206	Ampe x.xip	0958	Damp stric	3748	Gomp incon	2003	*Ligu sinen	4837	Poma p.phy	
4527	*Andr virgi	4246	Darw grand	5461	Gomp minus	2014	Lind linea	2677	Poma umbel	
1345	Ango baker	4270	Davi corym	(1486)	Gono m.mic	2015	Lind micro	2682	Pora corym	
5389	Ango costa	0995	Davi genis	1489	Gono tetra	6162	Lipa refle	7060	Pora erici	
0231	Anis avena	4429	Davi u.uli	1490	Gono teucr	6168	Liss s.str	7082	Prat purpu	
0237	Aotu erico	4323	Dend speci	1494	Good b.bel	9546	Loga spp.	7121	Pros s.sax	
1589	Aris vagan	4369	Desm rhyti	4543	Good h.hed	4163	Loma cylin	7148	Pseu pimel	
0269	Arth mille	4425	Desm varia	5490	Good h.egl	4709	Loma f.cor	2777	Pter escul	
0304	Astr humif	1027	Dian c.cae	1507	Good ovata	4710	Loma f.fil	7203	Ptil deust	
0305	Astr pinif	4398	Dian c.pro	1514	Good stell	2046	Loma longi	7232	Pult ellip	
1782	Astr latif	4408	Dian r.rev	5525	Grev d.dif	4711	Loma m.tub	2857	Pult linop	
0981	Aust tenui	5797	Dich micra	5567	Grev longi	2048	Loma m.mul	5685	Pult micro	
2156	Back myrti	1036	Dich repen	5573	Grev mucro	6192	Loma obliq	2871	Pult scabr	
2186	Baec imbri	9315	Digi spp.	5580	Grev oleoi	2052	Loma myric	7262	Pult villo	
0355	Baec linif	4476	Dill flori	5583	Grev p.par	6196	Loma silai	2883	Pyrr rupes	
2222	Balo graci	4480	Dill phyli	5596	Grev s.ser	6332	Mela decor	2916	Rapa howit	
2255	Bank e.eri	4481	Dill retor	5603	Grev sphac	6334	Mela erube	7354	*Rubu fruit	
0363	Bank margi	5934	Dill rudis	5631	Haem corym	6338	Mela hyper	2956	Rubu parvi	
(2269)	Bank oblon	4559	Dodo falca	5632	Haem plani	6341	Mela linar	7426	Saro fasti	
0366	Bank serra	4566	Dodo multi	1562	Hake dacty	7288	Mela styph	7431	Scae a.alb	
2285	Bank s.col	1093	Dodo triqu	1571	Hake seric	6345	Mela thymi	3023	Scae ramos	
2295	Bank s.spi	4592	Dodo v.vis	5664	Hake t.ter	6381	Micr erico	3030	Schi bifid	
0371	Baue rubio	1096	Dood asper	1596	Hard viola	2176	Micr hexan	3039	Scho apogo	
0397	*Bide pilos	1097	Dood cauda	1626	Heli scorp	2179	Micr s.sti	3041	Scho brevi	
4291	Bill s.sca	4616	Drac secur	5731	Hibb a.asp	2181	Micr cilia	3049	Scho melan	
2447	Blec ambig	1109	Dros spatu	5735	Hibb circu	2205	Mirb rubii	3057	Scho turbi	
0404	Blec carti	4675	Echi c.cae	5736	Hibb c.cis	6409	Mirb s.spe	7523	*Sene madag	
0408	Blec nudum	1122	Echi ovatu	1666	Hibb diffu	2211	Mitr polym	7555	Senn odora	
9126	Blec spp.	1132	Eina hasta	5437	Hibb e.emp	2218	Mono ellip	3133	*Seta graci	
0426	Boro ledif	1137	Elae retic	5749	Hibb nitid	2220	Mono scopa	7609	Smil glyci	
0436	Boss ensat	1155	Empo minus	5811	Hove linea	2224	Mori jasmi	3186	Sola prino	
0438	Boss heter	1161	Ento margi	5830	Hydr pedun	6492	Note longi	3231	Spre incar	
0439	Boss obcor	3790	Ento stric	1741	Hype gram	6495	Note longi	3261	Stic f.fl	
0440	Boss prost	5250	Epac m.mic	1744	*Hype perfo	2282	Note venos	3305	Styl laric	
2624	Boss scolo	4788	Epac pulch	5854	*Hypo radic	6556	Olea micro	7726	Styp l.lae	
2696	Brac d.dap	4791	Epac p.pur	5867	Impe c.maj	6570	Olea visci	7794	Telo speci	
2879	Brun austr	1185	Erag brown	1761	Indi austr	2339	Oper asper	7827	Them austr	
0512	Burc umbel	1187	*Erag curvu	5906	Isop anemo	(2340)	Oper hispi	3406	Tode barba	
0515	Burs s.spi	4893	Erio austr	5907	Isop aneth	6580	Opli imbec	3421	Tric elati	
4340	Caes p.min	4923	Euca acmen	1814	Junc conti	9652	Opun spp.	7875	Tric simpl	
0557	Cale major	1243	Euca agglo	1845	Junc usita	2386	Oxal peren	3458	Tris lauri	
0562	Call citri	4991	Euca crebr	1846	Junc vagin	9662	Oxal spp.	3496	*Verb bonar	
3236	Call linea	5016	Euca eugen	1847	Kenn prost	6630	Ozot diosm	7975	Vern c.cin	
0567	Call subul	5020	Euca fibro	1848	Kenn rubic	6647	Pand p.pan	3512	Vero plebe	
0887	Calo dubia	1281	Euca globo	1854	Kunz ambig	2408	Pani simil	3523	Vimi junce	
0609	Caly tetra	5033	Euca haema	6004	Lamb formo	2430	*Pasp dilat	8033	Wahl s.str	
4681	Cass glabe	5077	Euca moluc	1873	Lasi f.fer	2436	Pate glabr	8049	West longi	
4680	Cass glabe	5089	Euca oblon	1874	Lasi macro	2438	Pate seric	8061	Wool punge	
3559	Cass pubes	5114	Euca pilul	6013	Lasi parvi	2449	Pell falca	(8078)	Xant media	
0688	Caus flexu	5115	Euca piper	6014	Lasi rufum	2451	*Penn cland	8079	Xant m.min	
3648	Cent asiat	5138	Euca punct	1889	Laxm graci	6754	Pers bargo	3592	Xant pilos	
3690	Cera apeta	5142	Euca racem	1917	Lepi conca	6768	Pers lance	3594	Xant tride	
3692	Cera gummi	5148	Euca r.res	1920	Lepi filif	2464	Pers levis	8089	Xylo pyrif	
0724	*Cest parqu	5164	Euca scler	1921	Lepi forsy	2465	Pers linea	3605	Zier smith	



# Vegetation Assessment

Project #: 4200

Observer: SEW

Date: 11/7/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: 002 (APSS)	Easting 0298385	Northing 6211996
Location description: Swamp/improved drainage downslope of road		
Photo numbers:		

<b>Topographical features</b>	
Slope <input type="checkbox"/> <input type="checkbox"/> °	Aspect <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> °
Outcropping%	Surface Rock %
Soil Type	Horizon visibility

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
<del>Upper</del>	<del>\$</del>					
<del>Mid</del>						
Lower	shrub	0.5	1.5	20	G	Bank euc, Bank palm, Dillw etc Petroph pulch, lept squar
Ground	scops	0	0.5	80	G	Schoen brev, Haerrod sp, lept scov, lept <del>...</del>
<b>Specht Classification</b>						
<b>Mapped vegetation community</b>		Banksia Thicket				

<b>Habitat Description and comments</b>
<b>General</b>
small area down slope of road for pipeline upslope of Erennars etc.
surrounded by Gully Forest (Euc piperita dominant).
<b>Fire History:</b>
<b>Vegetation condition:</b>
<b>Tree Age and Regeneration:</b>
<b>Understorey:</b>
<b>Introduced species:</b>
<b>Adjacent land:</b>
<b>Disturbances:</b>



0178	Acac biner	4681	Cass glabe	1394	Gahn radul
5917	Acac elong	4680	Cass glabe	5460	Gomp grand
0414	Acac hispi	3559	Cass pubes	1489	Gono tetra
0045	Acac imple	0688	Caus flexu	5567	Grev longi
0489	Acac linif	3648	Cent asiat	5580	Grev oleoi
5128	Acac longi	3692	Cera gummi	5583	Grev p.par
0063	Acac myrti	0733	Chei s.sie	5596	Grev s.ser
0550	Acac parra	3773	Chlo stoec	1562	Hake dacty
0091	Acac stric	0755	*Chlo gayan	5664	Hake t.ter
0092	Acac suave	3886	Cono erici	5731	Hibb a.asp
0095	Acac termi	3887	Cono l.ang	5736	Hibb c.cis
0098	Acac ulici	3890	Cono tenui	5811	Hove linea
3650	Acti helia	1288	Cory gummi	5867	Impe c.maj
0857	Acti minor	4069	Crot verre	5907	Isop aneth
0677	Allo litto	9269	Cryp spp.	1845	Junc usita
1151	Alph excel	0899	Cyat diand	1848	Kenn rubic
0206	Ampe x.xip	0953	Damp purpu	1854	Kunz ambig
9052	Amye spp.	0958	Damp stric	6004	Lamb formo
4527	*Andr virgi	4246	Darw grand	1873	Lasi f.fer
5389	Ango costa	4429	Davi u.uli	1923	Lepi later
0230	Ango flori	1027	Dian c.cae	1939	Lept acida
0231	Anis avena	4398	Dian c.pro	6088	Lept junip
0237	Aotu erico	1036	Dich repen	6105	Lept p.pol
1589	Aris vagan	4476	Dill flori	6121	Lepy scari
0305	Astr pinif	4481	Dill retor	1982	Leuc junip
0981	Aust tenui	1093	Dodo triqu	2014	Lind linea
2069	Aust pubes	4592	Dodo v.vis	4710	Loma f.fil
9102	Aust spp.	1096	Dood asper	2046	Loma longi
2186	Baec imbri	1097	Dood cauda	2048	Loma m.mul
2222	Balo graci	4616	Drac secun	6192	Loma obliq
2255	Bank e.eri	1109	Dros spatu	6196	Loma silai
0363	Bank margi	1132	Eina hasta	6341	Mela linar
2269	Bank oblon	1161	Ento margi	2179	Micr s.sti
0366	Bank serra	3790	Ento stric	6768	Pers lance
2285	Bank s.col	5250	Epac m.mic	2464	Pers levis
0371	Baue rubio	4788	Epac pulch	6792	Pers pinif
0377	Baum junce	1185	Erag brown	6810	Petr sessi
0379	Baum rubig	4893	Erio austr	4819	Pime l.lin
2320	Baum teret	4923	Euca acmen	6960	Plat linea
4291	Bill s.sca	1243	Euca agglo	4694	Poa l.lab
9126	Blec spp.	4991	Euca crebr	7043	Poma e.ell
0436	Boss ensat	1281	Euca globo	2658	Poma ferru
0438	Boss heter	5033	Euca haema	2660	Poma lanig
0439	Boss obcor	5114	Euca pilul	5685	Pult micro
0515	Burs s.spi	5115	Euca piper	3049	Scho melan
4340	Caes p.min	5138	Euca punct	7555	Senn odora
0557	Cale major	5142	Euca racem	9855	Styl spp.
0562	Call citri	1318	Euca siebe	3496	*Verb bonar
0567	Call subul	5187	Euca teret	8049	West longi
0609	Caly tetra	1353	Exoc stric	9928	Xant spp.



# Vegetation Assessment

<b>Project #:</b> 4200
<b>Observer:</b> MR
<b>Date:</b> 7/27/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: WP 4 UPS 5	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="3"/>	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="7"/> <input type="text" value="0"/> <input type="text" value="7"/>
Location description: Btwn <del>as</del> V44 + V45		
Photo numbers:		

<b>Topographical features</b>	
Slope <input type="text" value="0"/> <input type="text" value="5"/> °	Aspect <input type="text" value="1"/> <input type="text" value="5"/> <input type="text" value="0"/> °
Outcropping% None	Surface Rock % 0
Soil Type sandy	Horizon visibility up to 2km

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
Upper	—					
Mid	shrub	0.5	3.0m	70%	good	Hakea teret, Hakea sericea, Acacia Lepto <del>acutata</del> <sup>continentalis</sup> tenuis Epacris micis, persoonia oblonga
Lower						
Ground	grass/ sedge	0.1	0.5	90%	good	Bauhinia, Zig Zag - Entolasia (small), Pattersonia
<b>Specht Classification</b>						
<b>Mapped vegetation community</b> swamp - Hakea thicket BAA						

<b>Habitat Description and comments</b>	
<b>General</b>	Good conditions - small swamp perched @ headwater of valley
	- integrates ± w woodland
	- no trees
	- very dense shrub layer - some open grassy patches
	- ground cover - dense - typical Swamp
<b>Fire History:</b>	+ 10 years
<b>Vegetation condition:</b>	good
<b>Tree Age and Regeneration:</b>	—
<b>Understorey:</b>	dense
<b>Introduced species:</b>	—
<b>Adjacent land:</b>	woodland
<b>Disturbances:</b>	None

0178	Acac biner	4681	Cass glabe	1394	Gahn radul
5917	Acac elong	4680	Cass glabe	5460	Gomp grand
0414	Acac hispi	3559	Cass pubes	1489	Gono tetra
0045	Acac imple	0688	Caus flexu	5567	Grev longi
0489	Acac linif	3648	Cent asiat	5580	Grev oleoi
5128	Acac longi	3692	Cera gummi	5583	Grev p.par
0063	Acac myrti	0733	Chei s.sie	5596	Grev s.ser
0550	Acac parra	3773	Chlo stoec	1562	Hake dacty
0091	Acac stric	0755	*Chlo gayan	5664	Hake t.ter
0092	Acac suave	3886	Cono erici	5731	Hibb a.asp
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0305	Astr pinif	4481	Dill retor	1982	Leuc junip
0981	Aust tenui	1093	Dodo triqu	2014	Lind linea
2069	Aust pubes	4592	Dodo v.vis	4710	Loma f.fil
9102	Aust spp.	1096	Dood asper	2046	Loma longi
2186	Baec imbri	1097	Dood cauda	2048	Loma m.mul
2222	Balo graci	4616	Drac secun	6192	Loma obliq
2255	Bank e.eri	1109	Dros spatu	6196	Loma silai
0363	Bank margi	1132	Eina hasta	6341	Mela linar
2269	Bank oblon	1161	Ento margi	2179	Micr s.sti
0366	Bank serra	3790	Ento stric	6768	Pers lance
2285	Bank s.col	5250	Epac m.mic	2464	Pers levis
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0567	Call subul	5187	Euca teret	8049	West longi
0609	Caly tetra	1353	Exoc stric	9928	Xant spp.



# Vegetation Assessment

Project #: 4200 – Westcliff

Observer: NS + SEW

Date: 13/12/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: 011	Easting <u>297819</u>	Northing <u>6212042</u>
Location description: <i>Swamp adjacent to northern easement</i>		
Photo numbers: -		

<b>Topographical features</b>	
Slope <u>3°</u>	Aspect <u>East</u>
Outcropping % <u>-</u>	Surface Rock % <u>-</u>
Soil Type <u>SAND</u>	Horizon visibility <u>100m</u>

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species	
Upper			10	NEGLIG.	G	Scattered + fringing Euc. oblong + C. gum.	
Mid							
Lower	Sh.	1	3	<5%	G	Lept trin, Isopog., Hakea, Eriostema, Banksia, Ac. lin.	
Ground	Sedges Herbs Shrubs	0	0.5	60%	G	Callitrix tetra, Lepto contin., Anisop., Cyatho., Hemig. pois.	
<b>Specht</b>	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
<b>Mapped community</b>	<u>Upland Swamp (Fringing woodland - herbfield)</u>						
<b>EECs/Threatened Plants</b>							

*Does not correspond with mapping veg description*

<b>General Habitat Description and comments</b>
Fire History: <u>&lt; 5 years</u>
Disturbance: Grazing, Roads, Powerlines, Erosion. <u>(Fire)</u>
Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation, <u>Woodland</u> <u>Roads</u>
RESILIENCE (Natural Soil Profile) <u>(Good)</u> Moderate, Poor, Very Poor/native pasture <u>100% Eucalypt</u>
RESILIENCE (Disturbed Soil Profile) – Permanently altered, Reveg area, Open space/exotic pasture
Weeds and Weed Density: <u>NONE</u>
<i>- low open swamp dominated by Callitrix + other small herbs, shrubs.</i>
<i>- Minimal leaf litter.</i>

0018	Acac brown	0733	Chei s.sie	5170	Euca sider	1923	Lepi later	6792	Pers pinif
0423	Acac irror	3773	Chlo stoec	1318	Euca siebe	1927	Lepi neesi	6809	Petr pulch
0489	Acac linif	0755	*Chlo gayan	5187	Euca teret	1930	Lepi uroph	6810	Petr sessi
5128	Acac longi	0782	*Cirs vulga	3749	Euch invol	1938	Lept tenax	2500	Phyl gunni
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0063	Acac myrti	3886	Cono erici	1350	Exoc cupre	1956	Lept conti	2510	*Phyt octan
0068	Acac obtus	3887	Cono l.ang	1353	Exoc stric	1953	Lept emarg	4819	Pime l.lin
0550	Acac parra	0806	Cono taxif	5266	Ficu m.mac	6088	Lept junip	2561	*Plan lance
0092	Acac suave	3890	Cono tenui	5336	Gahn asper	1958	Lept lanig	2571	Plat erico
0095	Acac termi	0810	*Cony albid	1387	Gahn clark	6094	Lept morri	6960	Plat linea
0098	Acac ulici	4370	Corr r.ref	1394	Gahn radul	6098	Lept parvi	2575	Plec parvi
0843	Acro divar	1288	Cory gummi	1404	Gali binif	6105	Lept p.pol	4694	Poa l.lab
3650	Acti helia	4378	Cras s.sie	5410	Gera s.sol	1950	Lept trine	2395	Podo ilici
0857	Acti minor	4069	Crot verre	1440	Glei dicar	6121	Lepy scari	7012	Poly calyc
0129	Adia aethi	4072	Cryp a.ama	1441	Glei micro	1978	Leuc erico	2655	Poma disco
5449	Adia h.his	0899	Cyat diand	1455	Glyc cland	1982	Leuc junip	7043	Poma e.ell
0888	*Ager adeno	0905	Cymb refra	1457	Glyc tabac	1983	Leuc l.lan	2658	Poma ferru
0677	Allo litto	0907	Cyno dacty	9417	Gnap spp.	6145	Leuc setig	2673	Poma inter
5383	Allo torul	0953	Damp purpu	5460	Gomp grand	1995	Leuc virga	2660	Poma lanig
0206	Ampe x.xip	0958	Damp stric	3748	Gomp incon	2003	*Ligu sinen	4837	Poma p.phy
4527	*Andr virgi	4246	Darw grand	5461	Gomp minus	2014	Lind linea	2677	Poma umbel
1345	Ango baker	4270	Davi corym	1486	Gono m.mic	2015	Lind micro	2682	Pora corym
5389	Ango costa	0995	Davi genis	1489	Gono tetra	6162	Lipa refle	7060	Pora erici
0231	Anis avena	4429	Davi u.uli	1490	Gono teucr	6168	Liss s.str	7082	Prat purpu
0237	Aotu erico	4323	Dend speci	1494	Good b.bel	9546	Loga spp.	7121	Pros s.sax
1589	Aris vagan	4369	Desm rhyti	4543	Good h.hed	4163	Loma cylin	7148	Pseu pimel
0269	Arth mille	4425	Desm varia	5490	Good h.egl	4709	Loma f.cor	2777	Pter escul
0304	Astr humif	1027	Dian c.cae	1507	Good ovata	4710	Loma f.fil	7203	Ptil deust
0305	Astr pinif	4398	Dian c.pro	1514	Good stell	2046	Loma longi	7232	Pult ellip
1782	Astr latif	4408	Dian r.rev	5525	Grev d.dif	4711	Loma m.tub	2857	Pult linop
0981	Aust tenui	5797	Dich micra	5567	Grev longi	2048	Loma m.mul	5685	Pult micro
2156	Back myrti	1036	Dich repen	5573	Grev mucro	6192	Loma obliq	2871	Pult scabr
2186	Baec imbri	9315	Digi spp.	5580	Grev oleoi	2052	Loma myric	7262	Pult villo
0355	Baec linif	4476	Dill flori	5583	Grev p.par	6196	Loma silai	2883	Pyrr rupes
2222	Balo graci	4480	Dill phyli	5596	Grev s.ser	6332	Mela decor	2916	Rapa howit
0255	Bank e.eri	4481	Dill retor	5603	Grev sphac	6334	Mela erube	7354	*Rubu fruit
0363	Bank margi	5934	Dill rudis	5631	Haem corym	6338	Mela hyper	2956	Rubu parvi
2269	Bank oblon	4559	Dodo falca	5632	Haem plani	6341	Mela linar	7426	Saro fasti
0366	Bank serra	4566	Dodo multi	1562	Hake dacty	7288	Mela styph	7431	Scaè a.alb
2285	Bank s.col	1093	Dodo triqu	1571	Hake seric	6345	Mela thymi	3023	Scae ramos
2295	Bank s.spi	4592	Dodo v.vis	5664	Hake t.ter	6381	Micr erico	3030	Schi bifid
0371	Baue rubio	1096	Dood asper	1596	Hard viola	2176	Micr hexan	3039	Scho apogo
0397	*Bide pilos	1097	Dood cauda	1626	Heli scorp	2179	Micr s.sti	3041	Scho brevi
4291	Bill s.sca	4616	Drac secun	5731	Hibb a.asp	2181	Micr cilia	3049	Scho melan
2447	Blec ambig	1109	Dros spatu	5735	Hibb circu	2205	Mirb rubii	3057	Scho turbi
0404	Blec carti	4675	Echi c.cae	5736	Hibb c.cis	6409	Mirb s.spe	7523	*Sene madag
0408	Blec nudum	1122	Echi ovatu	1666	Hibb diffu	2211	Mitr polym	7555	Senn odora
9126	Blec spp.	1132	Eina hasta	5437	Hibb e.emp	2218	Mono ellip	3133	*Seta graci
0426	Boro ledif	1137	Elae retic	5749	Hibb nitid	2220	Mono scopu	7609	Smil glyci
0436	Boss ensat	1155	Empo minus	5811	Hove linea	2224	Mori jasmi	3186	Sola prino
0438	Boss heter	1161	Ento margi	5830	Hydr pedun	6492	Note longi	3231	Spre incar
0439	Boss obcor	3790	Ento stric	1741	Hype grami	6495	Note longi	3261	Stic f fla
0440	Boss prost	5250	Epac m.mic	1744	*Hype perfo	2282	Note venos	3305	Styl laric
2624	Boss scolo	4788	Epac pulch	5854	*Hypo radic	6556	Olea micro	7726	Styp l.lae
2696	Brac d.dap	4791	Epac p.pur	5867	Impe c.maj	6570	Olea visci	7794	Telo speci
2879	Brun austr	1185	Erag brown	1761	Indi austr	2339	Oper asper	7827	Them austr
0512	Burc umbel	1187	*Erag curvu	5906	Isop anemo	2340	Oper hispi	3406	Tode barba
0515	Burs s.spi	4893	Erio austr	5907	Isop aneth	6580	Opli imbec	3421	Tric elati
4340	Caes p.min	4923	Euca acmen	1814	Junc conti	9652	Opun spp.	7875	Tric simpl
0557	Cale major	1243	Euca agglo	1845	Junc usita	2386	Oxal peren	3458	Tris lauri
0562	Call citri	4991	Euca crebr	1846	Junc vagin	9662	Oxal spp.	3496	*Verb bonar
3236	Call linea	5016	Euca eugen	1847	Kenn prost	6630	Ozot diosm	7975	Vern c.cin
0567	Call subul	5020	Euca fibro	1848	Kenn rubic	6647	Pand p.pan	3512	Vero plebe
0887	Calo dubia	1281	Euca globo	1854	Kunz ambig	2408	Pani simil	3523	Vimi junce
0609	Caly tetra	5033	Euca haema	6004	Lamb formo	2430	*Pasp dilat	8033	Wahl s.str
4681	Cass glabe	5077	Euca moluc	1873	Lasi f.fer	2436	Pate glabr	8049	West longi
4680	Cass glabe	5089	Euca oblon	1874	Lasi macro	2438	Pate seric	8061	Wool punge
3559	Cass pubes	5114	Euca pilul	6013	Lasi parvi	2449	Pell falca	8078	Xant media
0688	Caus flexu	5115	Euca piper	6014	Lasi rufum	2451	*Penn cland	8079	Xant m.min
3648	Cent asiat	5138	Euca punct	1889	Laxm graci	6754	Pers bargo	3592	Xant pilos
3690	Cera apeta	5142	Euca racem	1917	Lepi conca	6768	Pers lance	3594	Xant tride
3692	Cera gummi	5148	Euca r.res	1920	Lepi filif	2464	Pers levis	8089	Xylo pyrif
0724	*Cest parqu	5164	Euca scler	1921	Lepi forsy	2465	Pers linea	3605	Zier smith

H.bb. iip. Lepi. cont. Lally. tetra. Styl. proal. Tetraia cap.?



# Vegetation Assessment

Project #: 4200 – Westcliff

Observer: SEW/NS

Date: 13/12/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: 031	Easting 300102	Northing 6211285
Location description: Dharwal state conservation area, east of westcliff.		
Photo numbers:		

<b>Topographical features</b>	
Slope 0	Aspect
Outcropping % 0	Surface Rock % 0
Soil Type	Horizon visibility

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species	
Upper	T	8	10	<5	G	Euc race, Cory gum, scattered on edges	
Mid							
Lower	shrub	1	3	15	G	Bank oblong, flake doct, Petrop sess, isop aren, Bankeric	
Ground	sedge herb	0	0.5	70	G	Cyatho diand, Pult arist, Azimo minor, Lepy scar, lept tenay	
<b>Specht</b>	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		Loy open-shrubland
<b>Mapped community</b>	Upland swamp – restio heath						
<b>EECs/Threatened Plants</b>	Pultenea aristata						

<b>General Habitat Description and comments</b>
Fire History: <5 yrs
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) – Permantly altered, Reveg area, Open space/exotic pasture
Weeds and Weed Density: No weeds.
 Pulten aristata habitat – upland swamp.

0018	Acac brown	0733	Chei s.sie	5170	Euca sider	1923	Lepi later	6792	Pers pinif
0423	Acac irror	3773	Chlo stoec	1318	Euca siebe	1927	Lepi neesi	6809	Petr pulch
0489	Acac linif	0755	*Chlo gayan	5187	Euca teret	1930	Lepi uroph	6810	Petr sessi
5128	Acac longi	0782	*Cirs vulga	3749	Euch invol	1938	Lept tenax	2500	Phyl gunni
0056	Acac mearn	0788	Clem arist	1346	Eust latif	1939	Lept acida	2501	Phyl hirte
0063	Acac myrti	3886	Cono erici	1350	Exoc cupre	1956	Lept conti	2510	*Phyt octan
0068	Acac obtus	3887	Cono l.ang	1353	Exoc stric	1953	Lept emarg	4819	Pime l.lin
0550	Acac parra	0806	Cono taxif	5266	Ficu m.mac	6088	Lept junip	2561	*Plan lance
0092	Acac suave	3890	Cono tenui	5336	Gahn asper	1958	Lept lanig	2571	Plat erico
0095	Acac termi	0810	*Cony albid	1387	Gahn clark	6094	Lept morri	6960	Plat linea
0098	Acac ulici	4370	Corr r.ref	1394	Gahn radul	6098	Lept parvi	2575	Plec parvi
0843	Acro divar	1288	Cory gummi	1404	Gali binif	6105	Lept p.pol	4694	Poa l.lab
3650	Acti helia	4378	Cras s.sie	5410	Gera s.sol	1950	Lept trine	2395	Podo ilici
0857	Acti minor	4069	Crot verre	1440	Glei dicar	6121	Lepy scari	7012	Poly calyc
0129	Adia aethi	4072	Cryp a.ama	1441	Glei micro	1978	Leuc erico	2655	Poma disco
5449	Adia h.his	0899	Cyat diand	1455	Glyc cland	1982	Leuc junip	7043	Poma e.ell
0888	*Ager adeno	0905	Cymb refra	1457	Glyc tabac	1983	Leuc l.lan	2658	Poma ferru
0677	Allo litto	0907	Cyno dacty	9417	Gnap spp.	6145	Leuc setig	2673	Poma inter
5383	Allo torul	0953	Damp purpu	5460	Gomp grand	1995	Leuc virga	2660	Poma lanig
0206	Ampe x.xip	0958	Damp stric	3748	Gomp incon	2003	*Ligu sinen	4837	Poma p.phy
4527	*Andr virgi	4246	Darw grand	5461	Gomp minus	2014	Lind linea	2677	Poma umbel
1345	Ango baker	4270	Davi corym	1486	Gono m.mic	2015	Lind micro	2682	Pora corym
5389	Ango costa	0995	Davi genis	1489	Gono tetra	6162	Lipa refle	7060	Pora erici
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0237	Aotu erico	4323	Dend speci	1494	Good b.bel	9546	Loga spp.	7121	Pros s.sax
1589	Aris vagan	4369	Desm rhyti	4543	Good h.hed	4163	Loma cylin	7148	Pseu pimel
0269	Arth mille	4425	Desm varia	5490	Good h.egl	4709	Loma f.cor	2777	Pter escul
0304	Astr humif	1027	Dian c.cae	1507	Good ovata	4710	Loma f.fil	7203	Ptil deust
0305	Astr pinif	4398	Dian c.pro	1514	Good stell	2046	Loma longi	7232	Pult ellip
1782	Astr latif	4408	Dian r.rev	5525	Grev d.dif	4711	Loma m.tub	2857	Pult linop
0981	Aust tenui	5797	Dich micra	5567	Grev longi	2048	Loma m.mul	5685	Pult micro
2156	Back myrti	1036	Dich repen	5573	Grev mucro	6192	Loma obliq	2871	Pult scabr
2186	Baec imbri	9315	Digi spp.	5580	Grev oleoi	2052	Loma myric	7262	Pult villo
0355	Baec linif	4476	Dill flori	5583	Grev p.par	6196	Loma silai	2883	Pyrr rupes
2222	Balo graci	4480	Dill phyli	5596	Grev s.ser	6332	Mela decor	2916	Rapa howit
2255	Bank e.eri	4481	Dill retor	5603	Grev sphac	6334	Mela erube	7354	*Rubu fruit
0363	Bank margi	5934	Dill rudis	5631	Haem corym	6338	Mela hyper	2956	Rubu parvi
2269	Bank oblon	4559	Dodo falca	5632	Haem plani	6341	Mela linar	7426	Saro fasti
0366	Bank serra	4566	Dodo multi	1562	Hake dacty	7288	Mela styph	7431	Scae a.alb
2285	Bank s.col	1093	Dodo triqu	1571	Hake seric	6345	Mela thymi	3023	Scae ramos
2295	Bank s.spi	4592	Dodo v.vis	5664	Hake t.ter	6381	Micr erico	3030	Schi bifid
0371	Baue rubio	1096	Dood asper	1596	Hard viola	2176	Micr hexan	3039	Scho apogo
0397	*Bide pilos	1097	Dood cauda	1626	Heli scorp	2179	Micr s.sti	3041	Scho brevi
4291	Bill s.sca	4616	Drac secur	5731	Hibb a.asp	2181	Micr cilia	3049	Scho melan
2447	Blec ambig	1109	Dros spatu	5735	Hibb circu	2205	Mirb rubii	3057	Scho turbi
0404	Blec carti	4675	Echi c.cae	5736	Hibb c.cis	6409	Mirb s.spe	7523	*Sene madag
0408	Blec nudum	1122	Echi ovatu	1666	Hibb diffu	2211	Mitr polym	7555	Senn odora
9126	Blec spp.	1132	Eina hasta	5437	Hibb e.emp	2218	Mono ellip	3133	*Seta graci
0426	Boro ledif	1137	Elae retic	5749	Hibb nitid	2220	Mono scopi	7609	Smil glyci
0436	Boss ensat	1155	Empo minus	5811	Hove linea	2224	Mori jasmi	3186	Sola prino
0438	Boss heter	1161	Ento margi	5830	Hydr pedun	6492	Note longi	3231	Spre incar
0439	Boss obcor	3790	Ento stric	1741	Hype grami	6495	Note longi	3261	Stic f.fla
0440	Boss prost	5250	Epac m.mic	1744	*Hype perfo	2282	Note venos	3305	Styl laric
2624	Boss scolo	4788	Epac pulch	5854	*Hypo radic	6556	Olea micro	7726	Styp l.lae
2696	Brac d.dap	4791	Epac p.pur	5867	Impe c.maj	6570	Olea visci	7794	Telo speci
2879	Brun austr	1185	Erag brown	1761	Indi austr	2339	Oper asper	7827	Them austr
0512	Burc umbel	1187	*Erag curvu	5906	Isop anemo	2340	Oper hispi	3406	Tode barba
0515	Burs s.spi	4893	Erio austr	5907	Isop aneth	6580	Opli imbec	3421	Tric elati
4340	Caes p.min	4923	Euca acmen	1814	Junc conti	9652	Opun spp.	7875	Tric simpl
0557	Cale major	1243	Euca agglo	1845	Junc usita	2386	Oxal peren	3458	Tris lauri
0562	Call citri	4991	Euca crebr	1846	Junc vagin	9662	Oxal spp.	3496	*Verb bonar
3236	Call linea	5016	Euca eugen	1847	Kenn prost	6630	Ozot diosm	7975	Vern c.cin
0567	Call subul	5020	Euca fibro	1848	Kenn rubic	6647	Pand p.pan	3512	Vero plebe
0887	Calo dubia	1281	Euca globo	1854	Kunz ambig	2408	Pani simil	3523	Vimi junce
0609	Caly tetra	5033	Euca haema	6004	Lamb formo	2430	*Pasp dilat	8033	Wahl s.str
4681	Cass glabe	5077	Euca moluc	1873	Lasi f.fer	2436	Pate glabr	8049	West longi
4680	Cass glabe	5089	Euca oblon	1874	Lasi macro	2438	Pate seric	8061	Wool punge
3559	Cass pubes	5114	Euca pilul	6013	Lasi parvi	2449	Pell falca	8078	Xant media
0688	Caus flexu	5115	Euca piper	6014	Lasi rufum	2451	*Penn cland	8079	Xant m.min
3648	Cent asiat	5138	Euca punct	1889	Laxm graci	6754	Pers bargo	3592	Xant pilos
3690	Cera apeta	5142	Euca racem	1917	Lepi conca	6768	Pers lance	3594	Xant tride
3692	Cera gummi	5148	Euca r.res	1920	Lepi filif	2464	Pers levis	8089	Xylo pyrif
0724	*Cest parqu	5164	Euca scler	1921	Lepi forsy	2465	Pers linea	3605	Zier smith



# Vegetation Assessment

<b>Project #:</b> 4200
<b>Observer:</b> BUS NS
<b>Date:</b> 09/02/07

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint:	Easting <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"/>
Location description:		
Photo numbers:		

<b>Topographical features</b>	
Slope <input type="text"/> <input type="text"/> °	Aspect <input type="text"/> <input type="text"/> <input type="text"/> °
Outcropping%	Surface Rock %
Soil Type	Horizon visibility

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
Upper						
Mid						
Lower						
Ground						
<b>Specht Classification</b>						
<b>Mapped vegetation community</b>						

<b>Habitat Description and comments</b>
<b>General</b>
* WP 59 - P. a. staty x 20 plants ~
WP 60 - Edge of woods 9/02/07 - Stage 2
<b>Fire History:</b>
<b>Vegetation condition:</b>
<b>Tree Age and Regeneration:</b>
<b>Introduced species:</b>
<b>Adjacent land:</b>
<b>Disturbances:</b>







WP 68, Ac. hyn. 299699, 6209684 part of same population  
at WP 67 on other side of road. 500 to WP 68-69



# Vegetation Assessment

Project #: 4200 – Westcliff

Observer: NS & BS

Date: 28/11/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: 9	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="7"/> <input type="text" value="3"/> <input type="text" value="0"/>	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="8"/>
Location description: Ridge west of Upper Dam.		
Photo numbers: 100-0009		

<b>Topographical features</b>	
Slope 5°	Aspect East
Outcropping % 15	Surface Rock % 10-15
Soil Type Sandy	Horizon visibility 50m.

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
Upper	Trees	8	10	30	G	Euc. sieb., Euc. oblon., Cory gym
Mid	Small Trees	5	6	25	G	Lepta. trin., Euc. spp., Banks. serr.
Lower	Shrubs	1	3	10	G	Lepta. trin., Leptomene, Dillwynia Lambertiana
Ground	Sedges Grasses	0	0.5	20	G	Cyathea medeol., Boss. ret., Caustis Aca hem. sp.

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

<b>Mapped community</b>	Exposed SA woodland.
<b>EECs/Threatened Plants</b>	Personia hirsuta.

<b>General Habitat Description and comments</b>
Fire History: > 5y
Disturbance: Grazing, Roads, Powerlines, Erosion. Nil
Ajacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation Trail & Mine
RESILIENCE (Natural Soil Profile) – Good, Moderate, Poor, Very Poor/native pasture
RESILIENCE (Disturbed Soil Profile) – Permantly altered, Reveg area, Open space/exotic pasture
Weeds and Weed Density: Nil
• 2 Phacelia within quadrat.

0018	Acac brown	0733	Chei s.sie	5170	Euca sider	1923	Lepi later	(6792)	Pers pinif 3
0423	Acac irror	3773	Chlo stoece	(1318)	Euca siebe 4 ✓	1927	Lepi neesi	6809	Petr pulch
0489	Acac linif	0755	*Chlo gayan	5187	Euca teret	1930	Lepi uroph	(6810)	Petr sessi 2 ✓
5128	Acac longi	0782	*Cirs vulga	3749	Euch invol	1938	Lept tenax	2500	Phyl gunni
0056	Acac mearn	0788	Clem arist	1346	Eust latif	(1939)	Lept acida 4 ✓	2501	Phyl hirte
0063	Acac myrti	3886	Cono erici	1350	Exoc cupre	1956	Lept conti	2510	*Phyt octan
0068	Acac obtus	(3887)	Cono l.ang 2 ✓	1353	Exoc stric	1953	Lept emarg	4819	Pime l.lin
0550	Acac parra	0806	Cono taxif	5266	Ficu m.mac	6088	Lept junip	2561	*Plan lance
0092	Acac suave	3890	Cono tenui	5336	Gahn asper	1958	Lept lanig	2571	Plat erico
(0095)	Acac termi 1 ✓	0810	*Cony albid	1387	Gahn clark	6094	Lept morri	(6960)	Plat linea 3 ✓
0098	Acac ulici	4370	Corr r.ref	1394	Gahn radul	6098	Lept parvi	2575	Plec parvi
0843	Acro divar	(1288)	Cory gummi 4 ✓	1404	Gali binif	6105	Lept p.pol	4694	Poa l.lab
3650	Acti helia	4378	Cras s.sie	5410	Gera s.sol	(1950)	Lept trine 5 ✓	2395	Podo ilici
(0857)	Acti minor 3 ✓	4069	Crot verre	1440	Glei dicar	6121	Lepy scari	7012	Poly calyc
0129	Adia aethi	4072	Cryp a.ama	1441	Glei micro	1978	Leuc erico	2655	Poma disco
5449	Adia h.his	(0899)	Cyat diand 3 ✓	1455	Glyc cland	1982	Leuc junip	7043	Poma e.ell
0888	*Ager adeno	0905	Cymb refra	1457	Glyc tabac	1983	Leuc l.lan	2658	Poma ferru
(0677)	Allo litto 2 ✓	0907	Cyno dacty	9417	Gnap spp.	6145	Leuc setig	2673	Poma inter
5383	Allo torul	0953	Damp purpu	(5466)	Gomp grand 3 ✓	1995	Leuc virga	2660	Poma lanig
0206	Ampe x.xip	0958	Damp stric	3748	Gomp incon	2003	*Ligu sinen	4837	Poma p.phy
4527	*Andr virgi	4246	Darw grand	5461	Gomp minus	2014	Lind linea	(2677)	Poma umbel 1 ✓
1345	Ango baker	4270	Davi corym	1486	Gono m.mic	2015	Lind micro	2682	Pora corym
5389	Ango costa	0995	Davi genis	1489	Gono tetra	6162	Lipa refle	7060	Pora erici
0231	Anis avena	4429	Davi u.uli	1490	Gono teucr	6168	Liss s.str	7082	Prat purpu
0237	Aotu erico	4323	Dend speci	1494	Good b.bel	9546	Loga spp.	7121	Pros s.sax
1589	Aris vagan	4369	Desm rhyti	4543	Good h.hed	(4163)	Loma cylin 2 ✓	7148	Pseu pimel 1 ✓
0269	Arth mille	4425	Desm varia	5490	Good h.egl	4709	Loma f.cor	(2777)	Pter escul 1 ✓
0304	Astr humif	1027	Dian c.cae	1507	Good ovata	(4710)	Loma f.fil 3 ✓	7203	Ptil deust
0305	Astr pinif	4398	Dian c.pro	1514	Good stell	2046	Loma longi	7232	Pult ellip
1782	Astr latif	4408	Dian r.rev	(5528)	Grev d.dif 3 ✓	4711	Loma m.tub	2857	Pult linop
0981	Aust tenui	5797	Dich micra	5567	Grev longi	2048	Loma m.mul	5685	Pult micro
2156	Back myrti	1036	Dich repen	(5573)	Grev mucro 2 ✓	(6192)	Loma obliq 3 ✓	2871	Pult scabr
2186	Baec imbri	9315	Digi spp.	5580	Grev oleoi	2052	Loma myric	7262	Pult villo
0355	Baec linif	4476	Dill flori	5583	Grev p.par	(6196)	Loma silai 1 ✓	2883	Pyrr rupes
2222	Balo graci	4480	Dill phyli	5596	Grev s.ser	6332	Mela decor	2916	Rapa howit
2255	Bank e.eri	(4481)	Dill retor 3 ✓	(5603)	Grev sphac 1 ✓	6334	Mela erube	7354	*Rubu fruit
0363	Bank margi	5934	Dill rudis	5631	Haem corym	6338	Mela hyper	2956	Rubu parvi
2269	Bank oblon	4559	Dodo falca	5632	Haem plani	6341	Mela linar	7426	Saro fasti
(0366)	Bank serra 1 ✓	4566	Dodo multi	1562	Hake dacty	7288	Mela styph	7431	Scae a.alb
2285	Bank s.col	1093	Dodo triqu	1571	Hake seric	6345	Mela thymi	3023	Scae ramos
(2295)	Bank s.spi 3 ✓	4592	Dodo v.vis	5664	Hake t.ter	6381	Micr erico	3030	Schi bifid
0371	Baue rubio	1096	Dood asper	1596	Hard viola	2176	Micr hexan	(3039)	Scho apogo 1 ✓
0397	*Bide pilos	1097	Dood cauda	1626	Heli scorp	2179	Micr s.sti	3041	Scho brevi
4291	Bill s.sca	4616	Drac secur	5731	Hibb a.asp	2181	Micr cilia	3049	Scho melan
2447	Blec ambig	1109	Dros spatu	5735	Hibb circu	2205	Mirb rubii	3057	Scho turbi
0404	Blec carti	4675	Echi c.cae	5736	Hibb c.cis	6409	Mirb s.spe	7523	*Sene madag
0408	Blec nudum	1122	Echi ovatu	1666	Hibb diffu	2211	Mitr polym	7555	Senn odora
9126	Blec spp.	1132	Eina hasta	5437	Hibb e.emp	2218	Mono ellip	3133	*Seta graci
0426	Boro ledif	1137	Elae retic	5749	Hibb nitid	(2220)	Mono scopo 1 ✓	(7609)	Smil glyci 1 ✓
0436	Boss ensat	1155	Empo minus	(581)	Hove linea 1 ✓	2224	Mori jasmi	3186	Sola prino
(0438)	Boss heter 1 ✓	1161	Ento margi	5830	Hydr pedun	6492	Note longi	3231	Spre incar
0439	Boss obcor	(3790)	Ento stric 1 ✓	1741	Hype gram	6495	Note longi	3261	Stic f.fla
0440	Boss prost	5250	Epac m.mic	1744	*Hype perfo	2282	Note venos	3305	Styl laric styl. prod. 1
2624	Boss scolo	4788	Epac pulch	5854	*Hypo radic	6556	Olea micro	7726	Styp l.lae
2696	Brac d.dap	4791	Epac p.pur	5867	Impe c.maj	6570	Olea visci	7794	Telo speci
2879	Brun austr	1185	Erag brown	1761	Indi austr	2339	Oper asper	7827	Them austr
0512	Burc umbel	1187	*Erag curvu	(5906)	Isop anemo 3 ✓	2340	Oper hispi	3406	Tode barba
0515	Burs s.spi	(4893)	Erio austr 3 ✓	5907	Isop aneth	6580	Opli imbec	3421	Tric elati
4340	Caes p.min	4923	Euca acmen	1814	Junc conti	9652	Opun spp.	7875	Tric simpl
0557	Cale major	1243	Euca agglo	1845	Junc usita	2386	Oxal peren	3458	Tris lauri
0562	Call citri	4991	Euca crebr	1846	Junc vagin	9662	Oxal spp.	3496	*Verb bonar
3236	Call linea	5016	Euca eugen	1847	Kenn prost	6630	Ozot diosm	7975	Vern c.cin
0567	Call subul	5020	Euca fibro	1848	Kenn rubic	6647	Pand p.pan	3512	Vero plebe
0887	Calo dubia	1281	Euca globo	1854	Kunz ambig	2408	Pani simil	3523	Vimi junce
0609	Caly tetra	5033	Euca haema	(6004)	Lamb formo 3 ✓	2430	*Pasp dilat	8033	Wahl s.str
4681	Cass glabe	5077	Euca moluc	1873	Lasi f.fer	(2436)	Pate glabr 2 ✓	8049	West longi
4680	Cass glabe	(5089)	Euca oblon 4 ✓	1874	Lasi macro	2438	Pate seric	(8061)	Wool punge 1 ✓
(3559)	Cass pubes 2 ✓	5114	Euca pilul	6013	Lasi parvi	2449	Pell falca	8078	Xant media
(0688)	Caus flexu 4 ✓	5115	Euca piper	6014	Lasi rufum	2451	*Penn cland	8079	Xant m.min
3648	Cent asiat	5138	Euca punct	1889	Laxm graci	6754	Pers bargo	3592	Xant pilos
3690	Cera apeta	5142	Euca racem	1917	Lepi conca	6768	Pers lance	3594	Xant tride
3692	Cera gummi	5148	Euca r.res	1920	Lepi filif	(2464)	Pers levis 2 ✓	8089	Xylo pyrif
0724	*Cest parqu	5164	Euca scler	1921	Lepi forsy	2465	Pers linea	3605	Zier smith

Epac. pulch 2 ✓ Hibb. ciparid 2 Hom. glauca 2  
 Caleana major 1

Styphelia fr. fl. 1



# Vegetation Assessment

Project #: 4200 – Westcliff

Observer: SEW/NS

Date: 13/12/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: 024	Easting 297334	Northing 6213733
Location description: Tharwal Land, Nth of Westcliff bdy, along fire trail edge.		
Photo numbers:		

<b>Topographical features</b>	
Slope 0	Aspect Nth
Outcropping % 0	Surface Rock % 0
Soil Type sandy	Horizon visibility

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species	
Upper	T	12	15	20	G	Euc rocem, Corym gum, Euc oblonga	
Mid	ST	6	8	25	G	juvenile Eucs	
Lower	shrub	1	3	15	G	Pers levis, Acac linif, lept trin, Petroph sess, lamb form, Eriost aust	
Ground	small shrub herb grass	0	0.5	50	G	Arcu diff, Arcu spath, Lamond obliqu, Cyathodiand, Lepidosplater, paranth Eric	
<b>Specht</b>	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
<b>Mapped community</b>	ESSW						
<b>EECs/Threatened Plants</b>	Acac byn						

<b>General Habitat Description and comments</b>
Fire History: 45 yrs
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) – Permantly altered, Reveg area, Open space/exotic pasture
Weeds and Weed Density: None
Acacia byn recorded in areas of bare soil w/ not much leaf litter shown layer fairly sparse + open. Acacia byn generally recorded near areas of disturbance. → appears to be old clearing/artificial disturbance.
Acacia byn recorded in areas burnt relatively recently → open shrub layer.

0018	Acac brown	0733	Chei s.sie	5170	Euca sider	1923	Lepi later	6792	Pers pinif
0423	Acac irror	3773	Chlo stoe	1318	Euca siebe	1927	Lepi neesi	6809	Petr pulch
0489	Acac linif	0755	*Chlo gayan	5187	Euca teret	1930	Lepi uroph	6810	Petr sessi
5128	Acac longi	0782	*Cirs vulga	3749	Euch invol	1938	Lept tenax	2500	Phyl gunni
0056	Acac mearn	0788	Clem arist	1346	Eust latif	1939	Lept acida	2501	Phyl hirte
0063	Acac myrti	3886	Cono erici	1350	Exoc cupre	1956	Lept conti	2510	*Phyt octan
0068	Acac obtus	3887	Cono l.ang	1353	Exoc stric	1953	Lept emarg	4819	Pime l.lin
0550	Acac parra	0806	Cono taxif	5266	Ficu m.mac	6088	Lept junip	2561	*Plan lance
0092	Acac suave	3890	Cono tenui	5336	Gahn asper	1958	Lept lanig	2571	Plat erico
0095	Acac termi	0810	*Cony albid	1387	Gahn clark	6094	Lept morri	6960	Plat linea
0098	Acac ulici	4370	Corr r.ref	1394	Gahn radul	6098	Lept parvi	2575	Plec parvi
0843	Acro divar	1288	Cory gummi	1404	Gali binif	6105	Lept p.pol	4694	Poa l.lab
3650	Acti helia	4378	Cras s.sie	5410	Gera s.sol	1950	Lept trine	2395	Podo ilici
0857	Acti minor	4069	Crot verre	1440	Glei dicar	6121	Lepy scari	7012	Poly calyc
0129	Adia aethi	4072	Cryp a.ama	1441	Glei micro	1978	Leuc erico	2655	Poma disco
5449	Adia h.his	0899	Cyat diand	1455	Glyc cland	1982	Leuc junip	7043	Poma e.ell
0888	*Ager adeno	0905	Cymb refra	1457	Glyc tabac	1983	Leuc l.lan	2658	Poma ferru
0677	Allo litto	0907	Cyno dacty	9417	Gnap spp.	6145	Leuc setig	2673	Poma inter
5383	Allo torul	0953	Damp purpu	5460	Gomp grand	1995	Leuc virga	2660	Poma lanig
0206	Ampe x.xip	0958	Damp stric	3748	Gomp incon	2003	*Ligu sinen	4837	Poma p.phy
4527	*Andr virgi	4246	Darw grand	5461	Gomp minus	2014	Lind linea	2677	Poma umbel
1345	Ango baker	4270	Davi corym	1486	Gono m.mic	2015	Lind micro	2682	Pora corym
5389	Ango costa	0995	Davi genis	1489	Gono tetra	6162	Lipa refle	7060	Pora erici
0231	Anis avena	4429	Davi u.uli	1490	Gono teucr	6168	Liss s.str	7082	Prat purpu
0237	Aotu erico	4323	Dend speci	1494	Good b.bel	9546	Loga spp.	7121	Pros s.sax
1589	Aris vagan	4369	Desm rhyti	4543	Good h.hed	4163	Loma cylin	7148	Pseu pimel
0269	Arth mille	4425	Desm varia	5490	Good h.egl	4709	Loma f.cor	2777	Pter escul
0304	Astr humif	1027	Dian c.cae	1507	Good ovata	4710	Loma f.fil	7203	Ptil deust
0305	Astr pinif	4398	Dian c.pro	1514	Good stell	2046	Loma longi	7232	Pult ellip
1782	Astr latif	4408	Dian r.rev	5525	Grev d.dif	4711	Loma m.tub	2857	Pult linop
0981	Aust tenui	5797	Dich micra	5567	Grev longi	2048	Loma m.mul	5685	Pult micro
2156	Back myrti	1036	Dich repen	5573	Grev mucro	6192	Loma obliq	2871	Pult scabr
2186	Baec imbri	9315	Digi spp.	5580	Grev oleoi	2052	Loma myric	7262	Pult villo
0355	Baec linif	4476	Dill flori	5583	Grev p.par	6196	Loma silai	2883	Pyrr rupes
2222	Balo graci	4480	Dill phyli	5596	Grev s.ser	6332	Mela decor	2916	Rapa howit
2255	Bank e.eri	4481	Dill retor	5603	Grev sphac	6334	Mela erube	7354	*Rubu fruit
0363	Bank margi	5934	Dill rudis	5631	Haem corym	6338	Mela hyper	2956	Rubu parvi
2269	Bank oblon	4559	Dodo falca	5632	Haem plani	6341	Mela linar	7426	Saro fasti
0366	Bank serra	4566	Dodo multi	1562	Hake dacty	7288	Mela styph	7431	Scae a.alb
2285	Bank s.col	1093	Dodo triqu	1571	Hake seric	6345	Mela thymi	3023	Scae ramos
2295	Bank s.spi	4592	Dodo v.vis	5664	Hake t.ter	6381	Micr erico	3030	Schi bifid
0371	Baue rubio	1096	Dood asper	1596	Hard viola	2176	Micr hexan	3039	Scho apogo
0397	*Bide pilos	1097	Dood cauda	1626	Heli scorp	2179	Micr s.sti	3041	Scho brevi
4291	Bill s.sca	4616	Drac secun	5731	Hibb a.asp	2181	Micr cilia	3049	Scho melan
2447	Blec ambig	1109	Dros spatu	5735	Hibb circu	2205	Mirb rubii	3057	Scho turbi
0404	Blec carti	4675	Echi c.cae	5736	Hibb c.cis	6409	Mirb s.spe	7523	*Sene madag
0408	Blec nudum	1122	Echi ovatu	1666	Hibb diffu	2211	Mitr polym	7555	Senn odora
9126	Blec spp.	1132	Eina hasta	5437	Hibb e.emp	2218	Mono ellip	3133	*Seta graci
0426	Boro ledif	1137	Elae retic	5749	Hibb nitid	2220	Mono scop	7609	Smil glyci
0436	Boss ensat	1155	Empo minus	5811	Hove linea	2224	Mori jasmi	3186	Sola prino
0438	Boss heter	1161	Ento margi	5830	Hydr pedun	6492	Note longi	3231	Spre incar
0439	Boss obcor	3790	Ento stric	1741	Hype grami	6495	Note longi	3261	Stic f.fl
0440	Boss prost	5250	Epac m.mic	1744	*Hype perfo	2282	Note venos	3305	Styl laric
2624	Boss scolo	4788	Epac pulch	5854	*Hypo radic	6556	Olea micro	7726	Styp l.lae
2696	Brac d.dap	4791	Epac p.pur	5867	Impe c.maj	6570	Olea visci	7794	Telo speci
2879	Brun austr	1185	Erag brown	1761	Indi austr	2339	Oper asper	7827	Them austr
0512	Burc umbel	1187	*Erag curvu	5906	Isop anemo	2340	Oper hispi	3406	Tode barba
0515	Burs s.spi	4893	Erio austr	5907	Isop aneth	6580	Opli imbec	3421	Tric elati
4340	Caes p.min	4923	Euca acmen	1814	Junc conti	9652	Opun spp.	7875	Tric simpl
0557	Cale major	1243	Euca agglo	1845	Junc usita	2386	Oxal peren	3458	Tris lauri
0562	Call citri	4991	Euca crebr	1846	Junc vagin	9662	Oxal spp.	3496	*Verb bonar
3236	Call linea	5016	Euca eugen	1847	Kenn prost	6630	Ozot diosm	7975	Vern c.cin
0567	Call subul	5020	Euca fibro	1848	Kenn rubic	6647	Pand p.pan	3512	Vero plebe
0887	Calo dubia	1281	Euca globo	1854	Kunz ambig	2408	Pani simil	3523	Vimi junce
0609	Caly tetra	5033	Euca haema	6004	Lamb formo	2430	*Pasp dilat	8033	Wahl s.str
4681	Cass glabe	5077	Euca moluc	1873	Lasi f.fer	2436	Pate glabr	8049	West longi
4680	Cass glabe	5089	Euca oblon	1874	Lasi macro	2438	Pate seric	8061	Wool punge
3559	Cass pubes	5114	Euca pilul	6013	Lasi parvi	2449	Pell falca	8078	Xant media
0688	Caus flexu	5115	Euca piper	6014	Lasi rufum	2451	*Penn cland	8079	Xant m.min
3648	Cent asiat	5138	Euca punct	1889	Laxm graci	6754	Pers bargo	3592	Xant pilos
3690	Cera apeta	5142	Euca racem	1917	Lepi conca	6768	Pers lance	3594	Xant tride
3692	Cera gummi	5148	Euca r.res	1920	Lepi filif	2464	Pers levis	8089	Xylo pyrif
0724	*Cest parqu	5164	Euca scler	1921	Lepi forsy	2465	Pers linea	3605	Zier smith

5003205



# Vegetation Assessment

Project #: 4200 - Westcliff

Observer: SEW/MR

Date: 28/11/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: (13) Q2	Easting: 297752	Northing: 6212686
Location description: East of Brennan's ck dam.		
Photo numbers: 4		

<b>Topographical features</b>	
Slope: 5	Aspect: 230°
Outcropping %: 10	Surface Rock %: <5
Soil Type: sandstone	Horizon visibility: -

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
Upper	T	10	15	30	G	Euc pip, Argoe cast, Corygum, Euc sieb
Mid	ST	2	4	20	G	Bank serr, Persoon pinif, lept trin
Lower	scrub	1	2	35	G	Bank spin, lept polyg, Isop anem,
Ground	grass herb	0	0.5	40	G	Astrad sp, Lamandra spp, Anisop aven,

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

<b>Mapped community</b>	SSCAF.
<b>EECs/Threatened Plants</b>	

<b>General Habitat Description and comments</b>
Fire History: 210yrs
Disturbance: Grazing, Roads, Powerlines, Erosion, Dam
Ajacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation
RESILIENCE (Natural Soil Profile) - Good, Moderate, Poor, Very Poor/native pasture
RESILIENCE (Disturbed Soil Profile) - Permantly altered, Reveg area, Open space/exotic pasture
Weeds and Weed Density: No weeds.



0018	Acac brown	0733	Chei s.sie	5170	Euca sider	1923	Lepi later	3	6792	Pers pinif		
0423	Acac irror	3773	Chlo stoec	3	1318	Euca siebe	1927	Lepi neesi	6809	Petr pulch		
0489	Acac linif	0755	*Chlo gayan	5187	Euca teret	1930	Lepi uroph	1	6810	Petr sessi		
5128	Acac longi	0782	*Cirs vulga	3749	Euch invol	1938	Lept tenax	1	2500	Phyl gunni		
0056	Acac mearn	0788	Clem arist	1346	Eust latif	2	1939	Lept acida	1	2501	Phyl hirte	
0063	Acac myrti	3886	Cono erici	1350	Exoc cupre	1956	Lept conti		2510	*Phyt octan		
0068	Acac obtus	3887	Cono l.ang	1353	Exoc stric	1953	Lept emarg		4819	Pime l.lin		
0550	Acac parra	0806	Cono taxif	5266	Ficu m.mac	6088	Lept junip		2561	*Plan lance		
0092	Acac suave	3890	Cono tenui	5336	Gahn asper	1958	Lept lanig		2571	Plat erico		
0095	Acac termi	0810	*Cony albid	1387	Gahn clark	6094	Lept morri	2	6960	Plat linea		
0098	Acac ulici	4370	Corr r.ref	1394	Gahn radul	6098	Lept parvi		2575	Plec parvi		
0843	Acro divar	1	1288	Cory gummi	1404	Gali binif	3	6105	Lept p.pol	4694	Poa l.lab	
3650	Acti helia	4378	Cras s.sie	5410	Gera s.sol	4	1950	Lept trine		2395	Podo ilici	
0857	Acti minor	4069	Crot verre	1440	Glei dicar	1	6121	Lepy scari		7012	Poly calyc	
0129	Adia aethi	4072	Cryp a.ama	1441	Glei micro	1	1978	Leuc erico		2655	Poma disco	
5449	Adia h.his	2	0899	Cyat diand	1455	Glyc cland	1982	Leuc junip		7043	Poma e.ell	
0888	*Ager adeno	0905	Cymb refra	1457	Glyc tabac	1983	Leuc l.lan		2658	Poma ferru		
0677	Allo litto	0907	Cyno dacty	9417	Gnap spp.	6145	Leuc setig		2673	Poma inter		
5383	Allo torul	0953	Damp purpu	5460	Gomp grand	1995	Leuc virga		2660	Poma lanig		
1	0206	Ampe x.xip	0958	Damp stric	3748	Gomp incon	2003	*Ligu sinen		4837	Poma p.phy	
4527	*Andr virgi	4246	Darw grand	5461	Gomp minus	2014	Lind linea		2677	Poma umbel		
1345	Ango baker	4270	Davi corym	1486	Gono m.mic	2015	Lind micro		2682	Pora corym		
4	5389	Ango costa	0995	Davi genis	1489	Gono tetra	6162	Lipa refle		7060	Pora erici	
3	0231	Anis avena	4429	Davi u.uli	1490	Gono teucr	6168	Liss s.str		7082	Prat purpu	
0237	Aotu erico	4323	Dend speci	1	1494	Good b.bel	9546	Loga spp.		7121	Pros s.sax	
1589	Aris vagan	4369	Desm rhyti	1	4543	Good h.hed	1	4163	Loma cylin	7148	Pseu pimel	
0269	Arth mille	4425	Desm varia	5490	Good h.egl	1	4709	Loma f.cor		2777	Pter escul	
0304	Astr humif	1027	Dian c.cae	1507	Good ovata	2	4710	Loma f.fil		7203	Ptil deust	
0305	Astr pinif	1	4398	Dian c.pro	1514	Good stell	2046	Loma longi		7232	Pult ellip	
1782	Astr latif	4408	Dian r.rev	2	5525	Grev d.dif	4711	Loma m.tub		2857	Pult linop	
0981	Aust tenui	5797	Dich micra	2	5567	Grev longi	1	2048	Loma m.mul	5685	Pult micro	
2156	Back myrti	1036	Dich repen	2	5573	Grev mucro	2	6192	Loma obliq	2871	Pult scabr	
2186	Baec imbri	9315	Digi spp.	5580	Grev oleoi	2052	Loma myric		7262	Pult villo		
0355	Baec linif	1	4476	Dill flori	5583	Grev p.par	6196	Loma silai		2883	Pyrr rupes	
2222	Balo graci	4480	Dill phyli	5596	Grev s.ser	6332	Mela decor		2916	Rapa howit		
2255	Bank e.eri	1	4481	Dill retor	5603	Grev sphac	6334	Mela erube		7354	*Rubu fruit	
0363	Bank margi	5934	Dill rudis	5631	Haem corym	6338	Mela hyper		2956	Rubu parvi		
2269	Bank oblon	4559	Dodo falca	5632	Haem plani	6341	Mela linar		7426	Saro fasti		
2	0566	Bank serra	4566	Dodo multi	1562	Hake dacty	7288	Mela styph		7431	Scae a.alb	
2285	Bank s.col	2	1093	Dodo triqu	1	1571	Hake seric	6345	Mela thymi	1	3023	Scae ramos
3	2295	Bank s.spi	4592	Dodo v.vis	5664	Hake t.ter	6381	Micr erico		3030	Schi bifid	
0371	Baue rubio	1096	Dood asper	1596	Hard viola	2176	Micr hexan		3039	Scho apogo		
0397	*Bide pilos	1097	Dood cauda	1626	Heli scorp	2179	Micr s.sti		3041	Scho brevi		
1	4291	Bill s.sca	4616	Drac secun	5731	Hibb a.asp	2181	Micr cilia		3049	Scho melan	
2447	Blec ambig	1109	Dros spatu	5735	Hibb circu	2205	Mirb rubii		3057	Scho turbi		
0404	Blec carti	4675	Echi c.cae	1	5736	Hibb c.cis	6409	Mirb s.spe		7523	*Sene madag	
0408	Blec nudum	1122	Echi ovatu	1666	Hibb diffu	2211	Mitr polym		7555	Senn odora		
9126	Blec spp.	1132	Eina hasta	5437	Hibb e.emp	2218	Mono ellip		3133	*Seta graci		
0426	Boro ledif	1137	Elae retic	5749	Hibb nitid	1	2220	Mono scopa		7609	Smil glyci	
0436	Boss ensat	1155	Empo minus	1	5811	Hove linea	2224	Mori jasm		3186	Sola prino	
0438	Boss heter	1161	Ento margi	5830	Hydr pedun	6492	Note longi		3231	Spre incar		
2	0439	Boss obcor	3	3790	Ento stric	1741	Hype grami		6495	Note longi		
0440	Boss prost	5250	Epac m.mic	1744	*Hype perfo	2282	Note venos		3305	Styl laric		
2624	Boss scolo	2	4788	Epac pulch	5854	*Hypo radic	6556	Olea micro		7726	Styp l.lae	
2696	Brac d.dap	4791	Epac p.pur	5867	Impe c.maj	6570	Olea visci		7794	Telo speci		
2879	Brun austr	1185	Erag brown	1761	Indi austr	2339	Oper asper		7827	Them austr		
0512	Burc umbel	1187	*Erag curvu	3	5906	Isop anemo	2340	Oper hispi		3406	Tode barba	
0515	Burs s.spi	2	4893	Erio austr	2	5907	Isop aneth		6580	Opli imbec		
4340	Caes p.min	4923	Euca acmen	1814	Junc conti	9652	Opun spp.	1	7875	Tric simpl		
0557	Cale major	1243	Euca agglo	1845	Junc usita	2386	Oxal peren		3458	Tris lauri		
0562	Call citri	4991	Euca crebr	1846	Junc vagin	9662	Oxal spp.		3496	*Verb bonar		
3236	Call linea	5016	Euca eugen	1847	Kenn prost	6630	Ozot diosm		7975	Vern c.cin		
0567	Call subul	5020	Euca fibro	1848	Kenn rubic	6647	Pand p.pan		3512	Vero plebe		
0887	Calo dubia	1281	Euca globo	1854	Kunz ambig	2408	Pani simil		3523	Vimi junce		
0609	Caly tetra	5033	Euca haema	1	6004	Lamb formo	2430	*Pasp dilat		8033	Wahl s.str	
4681	Cass glabe	5077	Euca moluc	1873	Lasi f.fer	2	2436	Pate glabr		8049	West longi	
1	4680	Cass glabe	5089	Euca oblon	1874	Lasi macro	2438	Pate seric		8061	Wool punge	
1	3558	Cass pubes	5114	Euca pilul	6013	Lasi parvi	2449	Pell falca		8078	Xant media	
3	0688	Caus flexu	4	5115	Euca piper	6014	Lasi rufum		2451	*Penn cland		
3648	Cent asiat	5138	Euca punct	1889	Laxm graci	6754	Pers bargo	2	3592	Xant pilos		
3690	Cera apeta	5142	Euca racem	1917	Lepi conca	6768	Pers lance.		3594	Xant tride		
3692	Cera gummi	5148	Euca r.res	1920	Lepi filif	1	2464	Pers levis		8089	Xylo pyrif	
0724	*Cest parqu	5164	Euca scler	1921	Lepi forsy	2465	Pers linea		3605	Zier smith		

4 Austrod sp.



# Vegetation Assessment

Project #: 4200 – Westcliff

Observer: Ms BS

Date: 28/11/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: WP008	Easting <u>298325</u>	Northing <u>6211738</u>
Location description:		
Photo numbers: PH 100 - 0008		

<b>Topographical features</b>	
Slope 20%	Aspect NORTH
Outcropping % 30%	Surface Rock % 30%
Soil Type SAND	Horizon visibility 100m

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species	
Upper	T	18	20	20	G	Euc pip, Euc agglon	
Mid	Sut	6	10	20	G	Allocas litt + juv. Euc spp	
Lower	Sh	1	3	15	G	Bank spin, Dood. frig,	
Ground	Sodscr Herbs	0	1	10	G	Lepi lat, Lepi oroph, Lom. filic Lom. spp	
<b>Specht</b>		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
<b>Mapped community</b>	SSGPF						
<b>EECs/Threatened Plants</b>	-						

<b>General Habitat Description and comments</b>
Fire History: 10 years
Disturbance: Grazing, Roads, Powerlines, Erosion. Pollution from flood events.
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 but occur in adjacent area Juncea acutis + Ag. adrop
- Gully forest/woodland of high resilience,
- Features incl. rack subcrop & Casuarina leaf litter layer.

0018	Acac brown	0733	Chei s.sie	5170	Euca sider	1923	Lepi later 2 ✓	6792	Pers pinif
0423	Acac irror	3773	Chlo stoe	1318	Euca siebe	1927	Lepi neesi	6809	Petr pulch
0489	Acac linif 1 ✓	0755	*Chlo gayan	5187	Euca teret	1930	Lepi uroph 3 ✓	6810	Petr sessi
5128	Acac longi 2 ✓	0782	*Cirs vulga	3749	Euch invol	1938	Lept tenax	2500	Phyl gunni
0056	Acac mearn	0788	Clem arist	1346	Eust latif	1939	Lept acida	2501	Phyl hirte
0063	Acac myrti	3886	Cono erici	1350	Exoc cupre	1956	Lept conti	2510	*Phyt octan
0068	Acac obtus	3887	Cono l.ang	1353	Exoc stric	1953	Lept emarg	4819	Pime l.lin
0550	Acac parra	0806	Cono taxif	5266	Ficu m.mac	6088	Lept junip	2561	*Plan lance
0092	Acac suave	3890	Cono tenui	5336	Gahn asper	1958	Lept lanig	2571	Plat erico
0095	Acac termi 1 ✓	0810	*Cony albid	1387	Gahn clark	6094	Lept morri	6960	Plat linea 2 ✓
0098	Acac ulici 1 ✓	4370	Corr r.ref	1394	Gahn radul	6098	Lept parvi	2575	Plec parvi
0843	Acro divar	1288	Cory gummi 1 ✓	1404	Gali binif	6105	Lept p.pol 1 ✓	4694	Poa l.lab
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0677	Allo litto 4 ✓	0907	Cyno dacty	9417	Gnap spp.	6145	Leuc setig	2673	Poma inter
5383	Allo torul	0953	Damp purpu 2 ✓	5460	Gomp grand	1995	Leuc virga	2660	Poma lanig
0206	Ampe x.xip	0958	Damp stric	3748	Gomp incon	2003	*Ligu sinen	4837	Poma p.phy
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5389	Ango costa	0995	Davi genis	1489	Gono tetra	6162	Lipa refle	7060	Pora erici
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0237	Aotu erico	4323	Dend speci	1494	Good b.bel	9546	Loga spp.	7121	Pros s.sax
1589	Aris vagan	4369	Desm rhyti	4543	Good h.hed	4163	Loma cylin	7148	Pseu pimel ✓
0269	Arth mille	4425	Desm varia	5490	Good h.egl	4709	Loma f.cor	2777	Pter escul ✓
0304	Astr humif	1027	Dian c.cae	1507	Good ovata	4710	Loma f.fil 3 ✓	7203	Ptil deust
0305	Astr pinif	4398	Dian c.pro	1514	Good stell	2046	Loma longi ✓	7232	Pult ellip
1782	Astr latif	4408	Dian r.rev	5525	Grev d.dif	4711	Loma m.tub	2857	Pult linop
0981	Aust tenui	5797	Dich micra	5567	Grev longi	2048	Loma m.mul 2 ✓	5685	Pult micro
2156	Back myrti	1036	Dich repen	5573	Grev mucro 2 ✓	6192	Loma obliq 2 ✓	2871	Pult scabr
2186	Baec imbri	9315	Digi spp.	5580	Grev oleoi	2052	Loma myric	7262	Pult villo
0355	Baec linif	4476	Dill flori	5583	Grev p.par	6196	Loma silai	2883	Pyrp rupes
2222	Balo graci	4480	Dill phyli	5596	Grev s.ser	6332	Mela decor	2916	Rapa howit
2255	Bank e.eri 1 ✓	4481	Dill retor	5603	Grev sphac	6334	Mela erube	7354	*Rubu fruit
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2269	Bank oblon	4559	Dodo falca	5632	Haem plani	6341	Mela linar	7426	Saro fasti
0366	Bank serra 1 ✓	4566	Dodo multi	1562	Hake dacty 1 ✓	7288	Mela styph	7431	Scae a.alb
2285	Bank s.col	1093	Dodo triqu 3 ✓	1571	Hake seric	6345	Mela thymi	3023	Scae ramos
2295	Bank s.spi 3 ✓	4592	Dodo v.vis	5664	Hake t.ter	6381	Micr erico	3030	Schi bifid
0371	Baué rubio	1096	Dood asper	1596	Hard viola 1 ✓	2176	Micr hexan	3039	Scho apogo
0397	*Bide pilos	1097	Dood cauda	1626	Heli scorp	2179	Micr s.sti	3041	Scho brevi
4291	Bill s.sca 1 ✓	4616	Drac secur	5731	Hibb a.asp	2181	Micr cilia	3049	Scho melan
2447	Blec ambig	1109	Dros spatu	5735	Hibb circu	2205	Mirb rubii	3057	Scho turbi
0404	Blec carti	4675	Echi c.cae	5736	Hibb c.cis	6409	Mirb s.spe	7523	*Sene madag
0408	Blec nudum	1122	Echi ovatu	1666	Hibb diffu	2211	Mitr polym	7555	Senn odora
9126	Blec spp.	1132	Eina hasta	5437	Hibb e.emp	2218	Mono ellip	3133	*Seta graci
0426	Boro ledif 1 ✓	1137	Elae retic	5749	Hibb nitid	2220	Mono scopia 1 ✓	7609	Smil glyci
0436	Boss ensat	1155	Empo minus	5811	Hove linea 1 ✓	2224	Mori jasmi	3186	Sola prino
0438	Boss heter	1161	Ento margi	5830	Hydr pedun	6492	Note longi	3231	Spre incar
0439	Boss obcor 1 ✓	3790	Ento stric 2 ✓	1741	Hype gram	6495	Note longi	3261	Stic f.fla
0440	Boss prost	5250	Epac m.mic	1744	*Hype perfo	2282	Note venos	3305	Styl laric
2624	Boss scolo	4788	Epac pulch	5854	*Hypo radic	6556	Olea micro	7726	Styp l.lae
2696	Brac d.dap	4791	Epac p.pur	5867	Impe c.maj	6570	Olea visci	7794	Telo speci
2879	Brun austr	1185	Erag brown	1761	Indi austr	2339	Oper asper	7827	Them austr
0512	Burc umbel	1187	*Erag curvu	5906	Isop anemo	2340	Oper hispi	3406	Tode barba
0515	Burs s.spi	4893	Erio austr 2 ✓	5907	Isop aneth	6580	Opli imbec	3421	Tric elati
4340	Caes p.min	4923	Euca acmen	1814	Junc conti	9652	Opun spp.	7875	Tric simpl
0557	Cale major	1243	Euca agglo 3 ✓	1845	Junc usita	2386	Oxal peren	3458	Tris lauri
0562	Call citri	4991	Euca crebr	1846	Junc vagin	9662	Oxal spp.	3496	*Verb bonar
3236	Call linea	5016	Euca eugen	1847	Kenn prost	6630	Ozot diosm	7975	Vern c.cin
0567	Call subul	5020	Euca fibro	1848	Kenn rubic	6647	Pand p.pan	3512	Vero plebe
0887	Calo dubia	1281	Euca globo	1854	Kunz ambig	2408	Pani simil	3523	Vimi junce
0609	Caly tetra	5033	Euca haema	6004	Lamb formo ✓	2430	*Pasp dilat	8033	Wahl s.str
4681	Cass glabe	5077	Euca moluc	1873	Lasi f.fer	2436	Pate glabr	8049	West longi
4680	Cass glabe	5089	Euca oblon	1874	Lasi macro	2438	Pate seric	8061	Wool punge
3559	Cass pubes	5114	Euca pilul	6013	Lasi parvi	2449	Pell falca	8078	Xant media
0688	Caus flexu	5115	Euca piper 4 ✓	6014	Lasi rufum	2451	*Penn cland	8079	Xant m.min
3648	Cent asiat	5138	Euca punct	1889	Laxm graci	6754	Pers bargo	3592	Xant pilos
3690	Cera apeta	5142	Euca racem	1917	Lepi conca	6768	Pers lance	3594	Xant tride
3692	Cera gummi	5148	Euca r.res	1920	Lepi filif	2464	Pers levis 1 ✓	8089	Xylo pyrif
0724	*Cest parqu	5164	Euca scler	1921	Lepi forsy	2465	Pers linea	3605	Zier smith

Pomadernis lanigera ✓ Rici pini 1 ✓  
Lon glauca 2 ✓



# Vegetation Assessment

**Project #: 4200 – Westcliff**
**Observer:** NS / BJS

**Date:** 27/11/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: W1003	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="8"/> <input type="text" value="6"/> <input type="text" value="3"/> <input type="text" value="9"/>	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="5"/> <input type="text" value="6"/> <input type="text" value="9"/>
Location description:		
Photo numbers: 100 - 2001		

<b>Topographical features</b>	
Slope 10%	Aspect W
Outcropping % 20	Surface Rock % 5
Soil Type S	Horizon visibility 50m

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species	
Upper	T	12	15	25%	G	Large gum, Euc pip	
Mid	Smt	4	8	30%	G	Bank serr, Hale dact., Banks serr, Cor. gum.	
Lower	Shr	1	3	40%	G	Lepto poly, Aotus, Dill ret., Ac. term.	
Ground	Sedges Herbs	0	1	5%	G	Schoenus melano, Xanth. pilos. (Leath's) Perid ere, (leaf litter + rock)	
<b>Specht</b>		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
<b>Mapped community</b>	ESSW, SSGPF Ecotone.						
<b>EECs/Threatened Plants</b>	-						

<b>General Habitat Description and comments</b>
Fire History: 10-15 ya (slightly senescent)
Disturbance: Grazing, Roads, Powerlines, Erosion. (none)
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: NONE
- West. facing SSGPF (woodland)

0018	Acac brown	0733	Chei s.sie	5170	Euca sider	1923	Lepi later 2 ✓	6792	Pers pinif ✓
0423	Acac irror	3773	Chlo stoe	1318	Euca siebe	1927	Lepi neesi	6809	Petr pulch
0489	Acac linif	0755	*Chlo gayan	5187	Euca teret	1930	Lepi uroph	6810	Petr sessi 2 ✓
5128	Acac longi	0782	*Cirs vulga	3749	Euch invol	1938	Lept tenax	2500	Phyl gunni
0056	Acac mearn	0788	Clem arist	1346	Eust latif	1939	Lept acida 2 ✓	2501	Phyl hirte
0063	Acac myrti	3886	Cono erici	1350	Exoc cupre	1956	Lept conti	2510	*Phyt octan
0068	Acac obtus	3887	Cono l.ang	1353	Exoc stric	1953	Lept emarg	4819	Pime l.lin
0550	Acac parra	0806	Cono taxif	5266	Ficu m.mac	6088	Lept junip	2561	*Plan lance
0092	Acac suave	3890	Cono tenui	5336	Gahn asper	1958	Lept lanig	2571	Plat erico
0095	Acac termi 4 ✓	0810	*Cony albid	1387	Gahn clark	6094	Lept morri	6960	Plat linea
0098	Acac ulici 2 ✓	4370	Corr r.ref	1394	Gahn radul	6098	Lept parvi	2575	Plec parvi
0843	Acro divar	1288	Cory gummi 3 ✓	1404	Gali binif	6105	Lept p.pol 4 ✓	4694	Poa l.lab
3650	Acti helia	4378	Cras s.sie	5410	Gera s.sol	1950	Lept trine 2 ✓	2395	Podo ilici
0857	Acti minor	4069	Crot verre	1440	Glei dicar 1 ✓	6121	Lepy scari	7012	Poly calyc
0129	Adia aethi	4072	Cryp a.ama	1441	Glei micro	1978	Leuc erico	2655	Poma disco
5449	Adia h.his	0899	Cyat diand	1455	Glyc clard	1982	Leuc junip	7043	Poma e.ell
0888	*Ager adeno	0905	Cymb refra	1457	Glyc tabac	1983	Leuc l.lan	2658	Poma ferru
0677	Allo litto 1 ✓	0907	Cyno dacty	9417	Gnap spp.	6145	Leuc setig	2673	Poma inter
5383	Allo torul	0953	Damp purpu	5460	Gomp grand	1995	Leuc virga	2660	Poma lanig
0206	Ampe x.xip 2 ✓	0958	Damp stric	3748	Gomp incon	2003	*Ligu sinen	4837	Poma p.phy
4527	*Andr virgi	4246	Darw grand	5461	Gomp minus	2014	Lind linea	2677	Poma umbel
1345	Ango baker	4270	Davi corym	1486	Gono m.mic	2015	Lind micro	2682	Pora corym 1 ✓
5389	Ango costa	0995	Davi genis	1489	Gono tetra	6162	Lipa refle	7060	Pora erici
0231	Anis avena 1 ✓	4429	Davi u.uli	1490	Gono teucr 1 ✓	6168	Liss s.str	7082	Prat purpu
0237	Aotu erico 4 ✓	4323	Dend speci	1494	Good b.bel	9546	Loga spp.	7121	Pros s.sax
1589	Aris vagan	4369	Desm rhyti	4543	Good h.hed	4163	Loma cylin	7148	Pseu pimel
0269	Arth mille	4425	Desm varia	5490	Good h.egl	4709	Loma f.cor	2777	Pter escul 3 ✓
0304	Astr humif	1027	Dian c.cae	1507	Good ovata	4710	Loma f.fil	7203	Ptil deust
0305	Astr pinif	4398	Dian c.pro	1514	Good stell	2046	Loma longi 2 ✓	7232	Pult ellip
1782	Astr latif	4408	Dian r.rev	5525	Grev d.dif	4711	Loma m.tub	2857	Pult linop
0981	Aust tenui	5797	Dich micra	5567	Grev longi	2048	Loma m.mul	5685	Pult micro
2156	Back myrti	1036	Dich repen	5573	Grev mucro 1 ✓	6192	Loma obliq	2871	Pult scabr
2186	Baec imbri	9315	Digi spp.	5580	Grev oleoi	2052	Loma myric	7262	Pult villo
0355	Baec linif	4476	Dill flori	5583	Grev p.par	6196	Loma silai	2883	Pyrr rupes
2222	Balo graci	4480	Dill phyli	5596	Grev s.ser	6332	Mela decor	2916	Rapa howit
2255	Bank e.eri 2 ✓	4481	Dill retor 3 ✓	5603	Grev sphac	6334	Mela erube	7354	*Rubu fruit
0363	Bank margi 3 ✓	5934	Dill rudis	5631	Haem corym	6338	Mela hyper	2956	Rubu parvi
2269	Bank oblon	4559	Dodo falca	5632	Haem plani	6341	Mela linar	7426	Saro fasti
0366	Bank serra 3 ✓	4566	Dodo multi	1562	Hake dacty 3 ✓	7288	Mela styph	7431	Scae a.alb
2285	Bank s.col	1093	Dodo triqu	1571	Hake seric	6345	Mela thymi	3023	Scae ramos
2295	Bank s.spi 1 ✓	4592	Dodo v.vis	5664	Hake t.ter	6381	Micr erico	3030	Schi bifid
0371	Baue rubio	1096	Dood asper	1596	Hard viola	2176	Micr hexan	3039	Scho apogo
0397	*Bide pilos	1097	Dood cauda	1626	Heli scorp	2179	Micr s.sti	3041	Scho brevi
4291	Bill s.sca	4616	Drac secun	5731	Hibb a.asp	2181	Micr cilia	3049	Scho melan 3 ✓
2447	Blec ambig	1109	Dros spatu	5735	Hibb circu	2205	Mirb rubii	3057	Scho turbi
0404	Blec carti	4675	Echi c.cae	5736	Hibb c.cis	6409	Mirb s.spe	7523	*Sene madag
0408	Blec nudum	1122	Echi ovatu	1666	Hibb diffu	2211	Mitr polym	7555	Senn odora
9126	Blec spp.	1132	Eina hasta	5437	Hibb e.emp	2218	Mono ellip	3133	*Seta graci
0426	Boro ledif	1137	Elae retic	5749	Hibb nitid	2220	Mono scopu 1 ✓	7609	Smil glyci 1 ✓
0436	Boss ensat	1155	Empo minus	5811	Hove linea	2224	Mori jasmi	3186	Sola prino
0438	Boss heter 2 ✓	1161	Ento margi	5830	Hydr pedun	6492	Note longi	3231	Spre incar
0439	Boss obcor	3790	Ento stric 2 ✓	1741	Hype gram	6495	Note longi	3261	Stic f.fla
0440	Boss prost	5250	Epac m.mic	1744	*Hype perfo	2282	Note venos	3305	Styl laric
2624	Boss scolo	4788	Epac pulch	5854	*Hypo radic	6556	Olea micro	7726	Styp l.lae
2696	Brac d.dap	4791	Epac p.pur	5867	Impe c.maj	6570	Olea visci	7794	Telo speci
2879	Brun austr	1185	Erag brown	1761	Indi austr	2339	Oper asper	7827	Them austr
0512	Burc umbel	1187	*Erag curvu	5906	Isop anemo	2340	Oper hispi	3406	Tode barba 1 ✓
0515	Burs s.spi	4893	Erio austr 3 ✓	5907	Isop aneth	6580	Opli imbec	3421	Tric elati
4340	Caes p.min	4923	Euca acmen	1814	Junc conti	9652	Opun spp.	7875	Tric simpl
0557	Cale major 1 ✓	1243	Euca agglo	1845	Junc usita	2386	Oxal peren	3458	Tris lauri
0562	Call citri	4991	Euca crebr	1846	Junc vagin	9662	Oxal spp.	3496	*Verb bonar
3236	Call linea	5016	Euca eugen	1847	Kenn prost	6630	Ozot diosm	7975	Vern c.cin
0567	Call subul	5020	Euca fibro	1848	Kenn rubic	6647	Pand p.pan	3512	Vero plebe
0887	Calo dubia	1281	Euca globo	1854	Kunz ambig	2408	Pani simil	3523	Vimi junce
0609	Caly tetra	5033	Euca haema	6004	Lamb formo	2430	*Pasp dilat	8033	Wahl s.str
4681	Cass glabe 3 ✓	5077	Euca moluc	1873	Lasi f.fer	2436	Pate glabr 1 ✓	8049	West longi
4680	Cass glabe	5089	Euca oblon	1874	Lasi macro	2438	Pate seric 1 ✓	8061	Wool punge 2 ✓
3559	Cass pubes	5114	Euca pilul	6013	Lasi parvi	2449	Pell falca	8078	Xant media
0688	Caus flexu 1 ✓	5115	Euca piper 4 ✓	6014	Lasi rufum	2451	*Penn cland	8079	Xant m.min
3648	Cent asiat	5138	Euca punct	1889	Laxm graci	6754	Pers bargo	3592	Xant pilos 1 ✓
3690	Cera apeta	5142	Euca racem	1917	Lepi conca	6768	Pers lance	3594	Xant tride
3692	Cera gummi 3 ✓	5148	Euca r.res	1920	Lepi filif	2464	Pers levis	8089	Xylo pyrif
0724	*Cest parqu	5164	Euca scler	1921	Lepi forsy	2465	Pers linea	3605	Zier smith

Ricin. pinif 3 ✓ Epac. longi. 2 ✓ Galunia sp. 1 ✓  
 styl. procl. 2 ✓ Hibb. bract. 3 ✓ Boranul. micro. 1 ✓  
 nitida ✓  
 Komm. Varny 1 ✓



# Vegetation Assessment

Project #: 4200 – Westcliff

Observer: BS & NS

Date: 27/11

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: <del>X</del>	Easting <input type="text" value="298560"/>	Northing <input type="text" value="6211464"/>
Location description: <i>Adjacent to Brennan Creek (South Side)</i> <i>Bearing 305-215</i>		
Photo numbers:		

<b>Topographical features</b>	
Slope	Aspect
Outcropping %	Surface Rock %
Soil Type	Horizon visibility

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species	
Upper	Trees	15	18	25	G	<i>Euc. pip.</i>	
Mid	Small Trees	5	8	40	G	" " <i>B. eric.</i> , <i>Hake. dact.</i> <i>Cerato. gum.</i>	
Lower	Shrubs	1	3	40	G	<i>Acacia fern.</i> , <i>Lepto. trin.</i> , <i>Lept. acida.</i> <i>Petr. sessilis</i>	
Ground	Sedges Herbs	0	1	10	G	<i>Lomandra spp.</i> - Mostly rock & leaf litter	
<b>Specht</b>		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
<b>Mapped community</b>	<i>Peppermint Gully Forest</i>						
<b>EECs/Threatened Plants</b>							

<b>General Habitat Description and comments</b>
Fire History: <i>75ya.</i>
Disturbance: <i>Grazing, Roads, Powerlines, Erosion. Nil</i>
Adjacent land: <i>Cleared, Residential, Scattered Trees, Uncleared Riparian vegetation</i>
RESILIENCE (Natural Soil Profile) – <i>Good</i> , Moderate, Poor, Very Poor/native pasture
RESILIENCE (Disturbed Soil Profile) – <i>Permanently altered, Reveg area, Open space/exotic pasture</i>
Weeds and Weed Density: <i>Few along creek e.g. <i>Chorizandra</i></i>

L. Akerud 6/28/06

0018	Acac brown	0733	Chei s.sie	5170	Euca sider	1923	Lepi later 1	6792	Pers pinif 1
0423	Acac irror	3773	Chlo stoec	1318	Euca siebe	1927	Lepi neesi	6809	Petr pulch
0489	Acac linif	0755	*Chlo gayan 1	5187	Euca teret	1930	Lepi uroph	6810	Petr sessi 3
5128	Acac longi 2	0782	*Cirs vulga	3749	Euch invol	1938	Lept tenax	2500	Phyl gunni
0056	Acac mearn	0788	Clem arist	1346	Eust latif	1939	Lept acida 3	2501	Phyl hirte 1
0063	Acac myrti	3886	Cono erici	1350	Exoc cupre	1956	Lept conti	2510	*Phyt octan
0068	Acac obtus	3887	Cono l.ang	1353	Exoc stric	1953	Lept emarg	4819	Pime l.lin
0550	Acac parra	0806	Cono taxif	5266	Ficu m.mac	6088	Lept junip	2561	*Plan lance
0092	Acac suave	3890	Cono tenui	5336	Gahn asper	1958	Lept lanig	2571	Plat erico
0095	Acac termi 3	0810	*Cony albid	1387	Gahn clark	6094	Lept morri	6960	Plat linea 2
0098	Acac ulici	4370	Corr r.ref	1394	Gahn radul	6098	Lept parvi	2575	Plec parvi
0843	Acro divar	1288	Cory gummi 1	1404	Gali binif	6105	Lept p.pol 1	4694	Poa l.lab
3650	Acti helia	4378	Cras s.sie	5410	Gera s.sol	1950	Lept trine 4	2395	Podo ilici
0857	Acti minor	4069	Crot verre	1440	Glei dicar	6121	Lepy scari	7012	Poly calyc
0129	Adia aethi	4072	Cryp a.ama	1441	Glei micro	1978	Leuc erico	2655	Poma disco
5449	Adia h.his	0899	Cyat diand	1455	Glyc claud	1982	Leuc junip	7043	Poma e.ell
0888	*Ager adeno	0905	Cyno refra	1457	Glyc tabac	1983	Leuc l.lan	2658	Poma ferru
0677	Allo litto	0907	Cyno dacty	9417	Gnap spp.	6145	Leuc setig	2673	Poma inter
5383	Allo torul	0953	Damp purpu 1	5460	Gomp grand 3	1995	Leuc virga	2660	Poma lanig
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1345	Ango baker	4270	Davi corym	1486	Gono m.mic	2015	Lind micro	2682	Pora corym
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0237	Aotu erico 2	4323	Dend speci	1494	Good b.bel	9546	Loga spp.	7121	Pros s.sax
1589	Aris vagan	4369	Desm rhyti	4543	Good h.hed 1	4168	Loma cylin 1	7148	Pseu pimel
0269	Arth mille	4425	Desm varia	5490	Good h.egl	4709	Loma f.cor	2777	Pter escul 2
0304	Astr humif	1027	Dian c.cae	1507	Good ovata	4710	Loma f.fil 2	7203	Ptil deust
0305	Astr pinif	4398	Dian c.pro	1514	Good stell	2046	Loma longi 1	7232	Pult ellip
1782	Astr latif	4408	Dian r.rev	5525	Grev d.dif	4711	Loma m.tub	2857	Pult linop
0981	Aust tenui	5797	Dich micra	5567	Grev longi	2048	Loma m.mul	5685	Pult micro
2156	Back myrti	1036	Dich repen	5573	Grev mucro 1	6192	Loma obliq 1	2871	Pult scabr
2186	Baec imbri	9315	Digi spp.	5580	Grev oleoi	2052	Loma myric 1	7262	Pult villo
0355	Baec linif	4476	Dill flori	5583	Grev p.par	6196	Loma silai	2883	Pyrr rupes
2222	Balo graci	4480	Dill phyli	5596	Grev s.ser	6332	Mela decor	2916	Rapa howit
2255	Bank e.eri 4	4481	Dill retor 3	5603	Grev sphac	6334	Mela erube	7354	*Rubu fruit
0363	Bank margi	5934	Dill rudis	5631	Haem corym	6338	Mela hyper	2956	Rubu parvi
2269	Bank oblon	4559	Dodo falca	5632	Haem plani	6341	Mela linar	7426	Saro fasti
0368	Bank serra 1	4566	Dodo multi	1562	Hake dacty 2	7288	Mela styph	7431	Scae a.alb
2285	Bank s.col	1093	Dodo triqu 2	1571	Hake seric	6345	Mela thymi	3023	Scae ramos
2295	Bank s.spi 2	4592	Dodo v.vis	5664	Hake t.ter	6381	Micr erico	3030	Schi bifid
0371	Baue rubio	1096	Dood asper	1596	Hard viola	2176	Micr hexan	3039	Scho apogo
0397	*Bide pilos	1097	Dood cauda	1626	Heli scorp	2179	Micr s.sti	3041	Scho brevi
4291	Bill s.sca	4616	Drac secur	5731	Hibb a.asp	2181	Micr cilia	3049	Scho melan 2
2447	Blec ambig	1109	Dros spatu	5735	Hibb circu	2205	Mirb rubii	3057	Scho turbi
0404	Blec carti	4675	Echi c.cae	5736	Hibb c.cis	6409	Mirb s.spe	7523	*Sene madag
0408	Blec nudum	1122	Echi ovatu	1666	Hibb diffu	2211	Mitr polym	7555	Senn odora
9126	Blec spp.	1132	Eina hasta	5437	Hibb e.emp	2218	Mono ellip	3133	*Seta graci
0426	Boro ledif	1137	Elae retic 1	5749	Hibb nitid	2220	Mono scopo	7609	Smil glyci 1
0436	Boss ensat	1155	Empo minus	5811	Hove linea	2224	Mori jasm	3186	Sola prino
0438	Boss heter	1161	Ento margi	5830	Hydr pedun	6492	Note longi	3231	Spre incar
0439	Boss obcor 1	3790	Ento stric 2	1741	Hype gram	6495	Note longi	3261	Stic f.fla 2
0440	Boss prost	5250	Epac m.mic	1744	*Hype perfo	2282	Note venos	3305	Styl laric
2624	Boss scolo	4788	Epac pulch 2	5854	*Hypo radic	6556	Olea micro	7726	Styp l.lae
2696	Brac d.dap	4791	Epac p.pur	5867	Impe c.maj	6570	Olea visci	7794	Telo speci
2879	Brun austr	1185	Erag brown	1761	Indi austr	2339	Oper asper	7827	Them austr
0512	Burc umbel	1187	*Erag curvu	5906	Isop anemo 1	2340	Oper hispi	3406	Tode barba 2
0515	Burs s.spi	4893	Erio austr	5907	Isop aneth	6580	Opli imbec	3421	Tric elati
4340	Caes p.min	4923	Euca acmen	1814	Junc conti	9652	Opun spp.	7875	Tric simpl
0557	Cale major	1243	Euca agglo	1845	Junc usita	2386	Oxal peren	3458	Tris lauri
0562	Call citri	4991	Euca crebr	1846	Junc vagin	9662	Oxal spp.	3496	*Verb bonar
3236	Call linea	5016	Euca eugen	1847	Kenn prost	6630	Ozot diosm	7975	Vern c.cin
0567	Call subul	5020	Euca fibro	1848	Kenn rubic	6647	Pand p.pan	3512	Vero plebe
0887	Calo dubia	1281	Euca globo	1854	Kunz ambig	2408	Pani simil	3523	Vimi junce
0609	Caly tetra	5033	Euca haema	6004	Lamb formo 2	2430	*Pasp dilat	8033	Wahl s.str
4681	Cass glabe	5077	Euca moluc	1873	Lasi f.fer 3	2436	Pate glabr	8049	West longi
4680	Cass glabe	5089	Euca oblon	1874	Lasi macro	2438	Pate seric	8061	Wool punge
3559	Cass pubes 2	5114	Euca pilul	6013	Lasi parvi	2449	Pell falca	8078	Xant media 1
0688	Caus flexu	5115	Euca pipera 4	6014	Lasi rufum	2451	*Penn claud	8079	Xant m.min
3648	Cent asiat	5138	Euca punct	1889	Laxm graci	6754	Pers bargo	3592	Xant pilos 1
3690	Cera apeta	5142	Euca racem	1917	Lepi conca	6768	Pers lance	3594	Xant tride
3692	Cera gummi 3	5148	Euca r.res	1920	Lepi filif	2464	Pers levis 1	8089	Xylo pyrif
0724	*Cest parqu	5164	Euca scler	1921	Lepi forsy	2465	Pers linea	3605	Zier smith

Hibb. nitida 2

Lom. g'aul. 1

Mar. swar. 1



# Vegetation Assessment

Project #: 4200 – Westcliff

Observer: MR, SEW

Date: 28/11/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: WP (12)	Easting 297579	Northing 6212875
Location description: Directly Nth of Brennan's ck dam at western edge of Westcliff ppty.		
Photo numbers: 1-3		

<b>Topographical features</b>	
Slope < 5°	Aspect 230°
Outcropping % 5	Surface Rock % < 5°
Soil Type sandstone	Horizon visibility —

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species	
Upper	T	12	15	15	G.	Euc pip, Euc scleroph, Euc punct	
Mid	ST	2	4	18	G	Bank serr, lept trin	
Lower	shrub	0.5	1.5	15	G	Bank spin, lamb form,	
Ground	grass herb	0	0.5	50	G.	Xanth med, Anisopaven, Austrad sp.	
<b>Specht</b>	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
<b>Mapped community</b>	UCRSW						
<b>EECs/Threatened Plants</b>							

<b>General Habitat Description and comments</b>
Fire History: ~2001
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) – Permantly altered, Reveg area, Open space/exotic pasture
Weeds and Weed Density: none.
old rabbit? trap - (ph 2+3)
At southern end of @1, near base of Euc sclerophyll.



0018	Acac brown	0733	Chei s.sie	5170	Euca sider	1923	Lepi later	6792	Pers pinif			
0423	Acac irror	3773	Chlo stoec	1318	Euca siebe	1927	Lepi neesi	6809	Petr pulch			
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5128	Acac longi	0782	*Cirs vulga	3749	Euch invol	1938	Lept tenax	2500	Phyl gunni			
0056	Acac mearn	0788	Clem arist	1346	Eust latif	1939	Lept acida	2501	Phyl hirte			
0063	Acac myrti	3886	Cono erici	1350	Exoc cupre	1956	Lept conti	2510	*Phyt octan			
0068	Acac obtus	3887	Cono l.ang	1353	Exoc stric	1953	Lept emarg	4819	Pime l.lin			
0550	Acac parra	0806	Cono taxif	5266	Ficu m.mac	6088	Lept junip	2561	*Plan lance			
0092	Acac suave	3890	Cono tenui	5336	Gahn asper	1958	Lept lanig	2571	Plat erico			
0095	Acac termi	0810	*Cony albid	1387	Gahn clark	6094	Lept morri	3	6960	Plat linea		
0098	Acac ulici	4370	Corr r.ref	1394	Gahn radul	6098	Lept parvi	2575	Plec parvi			
0843	Acro divar	1288	Cory gummi	1404	Gali binif	6105	Lept p.pol	4694	Poa l.lab			
3650	Acti helia	4378	Cras s.sie	5410	Gera s.sol	1950	Lept trine	2395	Podo ilici			
0857	Acti minor	4069	Crot verre	1440	Glei dicar	6121	Lepy scari	7012	Poly calyc			
0129	Adia aethi	4072	Cryp a.ama	1441	Glei micro	1978	Leuc erico	2655	Poma disco			
5449	Adia h.his	3	0899	Cyat diand	1455	Glyc cland	1982	Leuc junip	7043	Poma e.ell		
0888	*Ager adeno	0905	Cymb refra	1457	Glyc tabac	1983	Leuc l.lan	2658	Poma ferru			
0677	Allo litto	0907	Cyno dacty	9417	Gnap spp.	6145	Leuc setig	2673	Poma inter			
5383	Allo torul	1	0953	Damp purpu	1	5460	Gomp grand	1995	Leuc virga	2660	Poma lanig	
0206	Ampe x.xip	0958	Damp stric	3748	Gomp incon	2003	*Ligu sinen	2003	*Ligu sinen	4837	Poma p.phy	
4527	*Andr virgi	4246	Darw grand	5461	Gomp minus	2	2014	Lind linea	2677	Poma umbel		
1345	Ango baker	4270	Davi corym	1486	Gono m.mic	2015	Lind micro	2682	Pora corym			
3	5389	Ango costa	0995	Davi genis	1489	Gono tetra	6162	Lipa refle	3	7060	Pora eric	
3	0231	Anis avena	4429	Davi u.uli	2	1490	Gono teucr	6168	Liss s.str	7082	Prat purpu	
0237	Aotu erico	4323	Dend speci	1494	Good b.bel	1494	Good b.bel	9546	Loga spp.	7121	Pros s.sax	
1589	Aris vagan	4369	Desm rhyti	1	4543	Good h.hed	4163	Loma cylin	7148	Pseu pimel		
0269	Arth mille	4425	Desm varia	5490	Good h.egl	1	4709	Loma f.cor	2777	Pter escul		
0304	Astr humif	1027	Dian c.cae	1507	Good ovata	2	4710	Loma f.fil	7203	Ptil deust		
0305	Astr pinif	4398	Dian c.pro	1514	Good stell	2046	Loma longi	7232	Pult ellip			
1782	Astr latif	4408	Dian r.rev	2	5525	Grev d.dif	4711	Loma m.tub	2857	Pult linop		
0981	Aust tenui	5797	Dich micra	2	5567	Grev longi	3	2048	Loma m.mul	5685	Pult micro	
2156	Back myrti	1036	Dich repen	2	5573	Grev mucro	3	6192	Loma obliq	2871	Pult scabr	
2186	Baec imbri	9315	Digi spp.	1	5580	Grev oleoi	2052	Loma myric	7262	Pult villo		
0355	Baec linif	4476	Dill flori	1	5583	Grev p.par	2	6196	Loma silai	2883	Pyrr rupes	
2222	Balo graci	4480	Dill phyli	5596	Grev s.ser	6332	Mela decor	2916	Rapa howit			
2255	Bank e.eri	4481	Dill retor	3	5603	Grev sphac	6334	Mela erube	7354	*Rubu fruit		
0363	Bank margi	5934	Dill rudis	5631	Haem corym	6338	Mela hyper	2956	Rubu parvi			
2269	Bank oblon	4559	Dodo falca	1	5632	Haem plani	6341	Mela linar	7426	Saro fasti		
3	0366	Bank serra	4566	Dodo multi	1	5632	Haem plani	7288	Mela styph	7431	Scae a.alb	
3	2285	Bank s.col	1093	Dodo triqu	1	5632	Haem plani	6345	Mela thymi	1	3023	Scae ramos
3	2295	Bank s.spi	4592	Dodo v.vis	5664	Hake t.ter	6381	Micr erico	3030	Schi bifid		
0371	Baue rubio	1096	Dood asper	1	5596	Hard viola	2176	Micr hexan	3039	Scho apogo		
0397	*Bide pilos	1097	Dood cauda	1626	Heli scorp	2179	Micr s.sti	3041	Scho brevi			
4291	Bill s.sca	4616	Drac secun	5731	Hibb a.asp	2181	Micr cilia	3049	Scho melan			
2447	Blec ambig	1109	Dros spatu	5735	Hibb circu	2205	Mirb rubii	3057	Scho turbi			
0404	Blec carti	4675	Echi c.cae	2	5736	Hibb c.cis	6409	Mirb s.spe	7523	*Sene madag		
0408	Blec nudum	1122	Echi ovatu	1666	Hibb diffu	1	2211	Mitr polym	7555	Senn odora		
9126	Blec spp.	1132	Eina hasta	5437	Hibb e.emp	1	2218	Mono ellip	3133	*Seta graci		
0426	Boro ledif	1137	Elae retic	5749	Hibb nitid	1	2220	Mono scopa	7609	Smil glyci		
0436	Boss ensat	1155	Empo minus	5811	Hove linea	2224	Mori jasmi	3186	Sola prino			
2	0438	Boss heter	3	1161	Ento margi	5830	Hydr pedun	6492	Note longi	3231	Spre incar	
2	0439	Boss obcor	3	3790	Ento stric	1741	Hype grami	6495	Note longi	3261	Stic f.fla	
0440	Boss prost	5250	Epac m.mic	1744	*Hype perfo	2282	Note venos	3305	Styl laric			
2624	Boss scolo	4788	Epac pulch	5854	*Hypo radic	6556	Olea micro	7726	Styp l.lae			
2696	Brac d.dap	4791	Epac p.pur	5867	Impe c.maj	6570	Olea visci	1	7794	Telo speci		
2879	Brun austr	1185	Erag brown	1761	Indi austr	2339	Oper asper	7827	Them austr			
0512	Burc umbel	1187	*Erag curvu	3	5906	Isop anemo	2340	Oper hispi	3406	Tode barba		
0515	Burs s.spi	2	4893	Erio austr	5907	Isop aneth	6580	Opli imbec	3421	Tric elati		
4340	Caes p.min	4923	Euca acmen	1814	Junc conti	9652	Opun spp.	2	7875	Tric simpl		
0557	Cale major	1243	Euca agglo	1845	Junc usita	2386	Oxal peren	3458	Tris lauri			
1	0562	Call citri	4991	Euca crebr	1846	Junc vagin	9662	Oxal spp.	3496	*Verb bonar		
3236	Call linea	5016	Euca eugen	1847	Kenn prost	6630	Ozot diosm	7975	Vern c.cin			
0567	Call subul	5020	Euca fibro	1848	Kenn rubic	6647	Pand p.pan	3512	Vero plebe			
0887	Calo dubia	1281	Euca globo	1854	Kunz ambig	2408	Pani simil	3523	Vimi junce			
0609	Caly tetra	5033	Euca haema	2	6004	Lamb formo	2430	*Pasp dilat	8033	Wahl s.str		
4681	Cass glabe	5077	Euca moluc	1873	Lasi f.fer	2	2436	Pate glabr	8049	West longi		
1	4680	Cass glabe	5089	Euca oblon	1874	Lasi macro	2438	Pate seric	8061	Wool punge		
3559	Cass pubes	5114	Euca pilul	6013	Lasi parvi	2449	Pell falca	3	8078	Xant media		
0688	Caus flexu	4	5115	Euca piper	6014	Lasi rufum	2451	*Penn cland	8079	Xant m.min		
3648	Cent asiat	1	5138	Euca punct	1889	Laxm graci	6754	Pers bargo	3	3592	Xant pilos	
3690	Cera apeta	5142	Euca racem.	1917	Lepi conca	6768	Pers lance	3594	Xant tride			
1	3692	Cera gummi	5148	Euca r.res	1920	Lepi filif	2	2464	Pers levis	8089	Xylo pyrif	
0724	*Cest parqu	3	5164	Euca scler	1921	Lepi forsy	2465	Pers linea	3605	Zier smith		

3 Austrodon sp. ✓ 1 stylid gram -  
 2 Ptiloth deus 1 thysanotus tuberif -

500323.



# Vegetation Assessment

Project #: 4200 – Westcliff

Observer: MR, SEW

Date: 28/11/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: (14) Q3	Easting 298365	Northing 6212915
Location description: Nth of Brennans ck Dam Rd.		
Photo numbers: 5		

<b>Topographical features</b>	
Slope <1°	Aspect 290°
Outcropping % 0	Surface Rock % <5%
Soil Type sandstone	Horizon visibility —

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species	
Upper	T	12	15	10	G	Euca scler, Corym gum,	
Mid	ST	2	4	20	G	Bank serr, lept trin	
Lower	shrub	0.5	1	25	G	Bank spin, lamb form, kopog anem, Hake dact	
Ground	grass sedge	0	0.5	60	G	Cyathoch <del>ed</del> diard, lomand spp.	
<b>Specht</b>	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
<b>Mapped community</b>	ESSW						
<b>EECs/Threatened Plants</b>							

<b>General Habitat Description and comments</b>
Fire History: ~2001
Disturbance: Grazing, Roads, Powerlines, Erosion. — Nil
Ajacent land: Cleared, Residential, Scattered Trees, Uncleared Riparian vegetation
RESILIENCE (Natural Soil Profile) - (Good), Moderate, Poor, Very Poor/native pasture
RESILIENCE (Disturbed Soil Profile) - Permantly altered, Reveg area, Open space/exotic pasture
Weeds and Weed Density: No weeds.
Broken bottles.

0018	Acac brown	0733	Chei s.sie	5170	Euca sider	1923	Lepi later	6792	Pers pinif
0423	Acac irror	3773	Chlo stoe	1318	Euca siebe	1927	Lepi neesi	6809	Petr pulch
2 0489	Acac linif ✓	0755	*Chlo gayan	5187	Euca teret	1930	Lepi uroph	(6810)	Petr sessi ✓
5128	Acac longi	0782	*Cirs vulga	3749	Euch invol	1938	Lept tenax	2500	Phyl gunni
0056	Acac mearn	0788	Clem arist	1346	Eust latif	1939	Lept acida	2501	Phyl hirte
1 0063	Acac myrti ✓	3886	Cono erici	1350	Exoc cupre	1956	Lept conti	2510	*Phyt octan
0068	Acac obtus	2 3887	Cono l.ang ✓	1353	Exoc stric	1953	Lept emarg	1 4819	Pime l.lin ✓
0550	Acac parra	0806	Cono taxif	5266	Ficu m.mac	6088	Lept junip	2561	*Plan lance
2 0092	Acac suave ✓	3890	Cono tenui	5336	Gahn asper	1958	Lept lanig	2571	Plat erico
0093	Acac termi	0810	*Cony albid	1387	Gahn clark	6094	Lept morri	1 6960	Plat linea ✓
0098	Acac ulici	4370	Corr r.ref	1394	Gahn radul	6098	Lept parvi	2575	Plec parvi
0843	Acro divar	3 1288	Cory gummi ✓	1404	Gali binif	6105	Lept p.pol	4694	Poa l.lab
3650	Acti helia	4378	Cras s.sie	5410	Gera s.sol	4 1950	Lept trine ✓	2395	Podo ilici
3 0857	Acti minor ✓	4069	Crot verre	1440	Glei dicar	6121	Lepy scari	7012	Poly calyc
0129	Adia aethi	4072	Cryp a.ama	1441	Glei micro	1978	Leuc erico	2655	Poma disco
5449	Adia h.his	5 0899	Cyat diand ✓	1455	Glyc cland	1982	Leuc junip	7043	Poma e.ell
0888	*Ager adeno	0905	Cymb refra	1457	Glyc tabac	1983	Leuc l.lan	2658	Poma ferru
0677	Allo litto	0907	Cyno dacty	9417	Gnap spp.	6145	Leuc setig	2673	Poma inter
5383	Allo torul	0953	Damp purpu	5460	Gomp grand	1995	Leuc virga	2660	Poma lanig
0206	Ampe x.xip	1 0958	Damp stric ✓	3748	Gomp incon	2003	*Ligu sinen	4837	Poma p.phy
4527	*Andr virgi	4246	Darw grand	5461	Gomp minus	2014	Lind linea	2677	Poma umbel
1345	Ango baker	4270	Davi corym	1486	Gono m.mic	2015	Lind micro	2682	Pora corym
5389	Ango costa	0995	Davi genis	1 1489	Gono tetra ✓	6162	Lipa refle	2 7060	Pora erici ✓
3 0231	Anis avena ✓	4429	Davi u.uli	1490	Gono teucr	6168	Liss s.str	7082	Prat purpu
0237	Aotu erico	4323	Dend speci	1494	Good b.bel	9546	Loga spp.	7121	Pros s.sax
1589	Aris vagan	4369	Desm rhyti	4543	Good h.hed	4163	Loma cylin	7148	Pseu pimel
0269	Arth mille	4425	Desm varia	5490	Good h.egl	1 4709	Loma f.cor	2777	Pter escul
0304	Astr humif	1027	Dian c.cae	1507	Good ovata	4 4710	Loma f.fil	1 7203	Ptil deust ✓
0305	Astr pinif	4398	Dian c.pro	1514	Good stell	2046	Loma longi	2 7232	Pult ellip ✓
1782	Astr latif	4408	Dian r.rev	1 5525	Grev d.dif ✓	4711	Loma m.tub	2857	Pult linop
0981	Aust tenui	5797	Dich micra	5567	Grev longi	2048	Loma m.mul	5685	Pult micro
2156	Back myrti	1036	Dich repen	5573	Grev mucro	6192	Loma obliq	2871	Pult scabr
2186	Baec imbri	9315	Digi spp.	5580	Grev oleoi	2052	Loma myric	7262	Pult villo
0355	Baec linif	3 4476	Dill flori ✓	5583	Grev p.par	6196	Loma silai	2883	Pyrp rupes
2222	Balo graci	4480	Dill phyli	5596	Grev s.ser	6332	Mela decor	2916	Rapa howit
2255	Bank e.eri	1 4481	Dill retor ✓	2 5603	Grev sphac ✓	6334	Mela erube	7354	*Rubu fruit
0363	Bank margi	5934	Dill rudis	5631	Haem corym	6338	Mela hyper	2956	Rubu parvi
2269	Bank oblon	4559	Dodo falca	5632	Haem plani	6341	Mela linar	7426	Saro fasti
3 0366	Bank serra ✓	4566	Dodo multi	2 1562	Hake dacty ✓	7288	Mela styph	7431	Scae a.alb
2285	Bank s.col	1093	Dodo triqu	2 1571	Hake seric ✓	6345	Mela thymi	3023	Scae ramos
4 2295	Bank s.spi ✓	4592	Dodo v.vis	5664	Hake t.ter	6381	Micr erico	3030	Schi bifid
0371	Baue rubio	1096	Dood asper	1596	Hard viola	2176	Micr hexan	3039	Scho apogo
0397	*Bide pilos	1097	Dood cauda	1626	Heli scorp	2179	Micr s.sti	3041	Scho brevi
4291	Bill s.sca	4616	Drac secur	5731	Hibb a.asp	2181	Micr cilia	3049	Scho melan
2447	Blec ambig	1109	Dros spatu	5735	Hibb circu	2205	Mirb rubii	3057	Scho turbi
0404	Blec carti	4675	Echi c.cae	3 5736	Hibb c.cis ✓	6409	Mirb s.spe	7523	*Sene madag
0408	Blec nudum	1122	Echi ovatu	1666	Hibb diffu	2211	Mitr polym	7555	Senn odora
9126	Blec spp.	1132	Eina hasta	5437	Hibb e.emp	2218	Mono ellip	3133	*Seta graci
0426	Boro ledif	1137	Elae retic	5749	Hibb nitid	2220	Mono scopa	7609	Smil glyci
0436	Boss ensat	1155	Empo minus	5811	Hove linea	2224	Mori jasmi	3186	Sola prino
2 0438	Boss heter ✓	1161	Ento margi	5830	Hydr pedun	6492	Note longi	3231	Spre incar
0439	Boss obcor	2 3790	Ento stric ✓	1741	Hype gram	6495	Note longi	3261	Stic f.fl
0440	Boss prost	5250	Epac m.mic	1744	*Hype perfo	2282	Note venos	3305	Styl laric
1 2624	Boss scolo ✓	4788	Epac pulch	5854	*Hypo radic	6556	Olea micro	7726	Styp l.lae
2696	Brac d.dap	4791	Epac p.pur	5867	Impe c.maj	6570	Olea visci	7794	Telo speci
2879	Brun austr	1185	Erag brown	1761	Indi austr	2339	Oper asper	7827	Them austr
0512	Burc umbel	1187	*Erag curvu	3 5906	Isop anemo ✓	2340	Oper hispi	3406	Tode barba
0515	Burs s.spi	2 4893	Erio austr ✓	5907	Isop aneth	6580	Opli imbec	3421	Tric elati
4340	Caes p.min	4923	Euca acmen	1814	Junc conti	9652	Opun spp.	7875	Tric simpl
0557	Cale major	1243	Euca agglo	1845	Junc usita	2386	Oxal peren	3458	Tris lauri
0562	Call citri	4991	Euca crebr	1846	Junc vagin	9662	Oxal spp.	3496	*Verb bonar
3236	Call linea	5016	Euca eugen	1847	Kenn prost	6630	Ozot diosm	7975	Vern c.cin
0567	Call subul	5020	Euca fibro	1848	Kenn rubic	6647	Pand p.pan	3512	Vero plebe
0887	Calo dubia	1281	Euca globo	1854	Kunz ambig	2408	Pani simil	3523	Vimi junce
0609	Caly tetra	5033	Euca haema	2 6004	Lamb formo ✓	2430	*Pasp dilat	8033	Wahl s.str
4681	Cass glabe	5077	Euca moluc	1873	Lasi f.fer	1 2436	Pate glabr ✓	8049	West longi
1 4680	Cass glabe ✓	5089	Euca oblon	1874	Lasi macro	2438	Pate seric	8061	Wool punge
3559	Cass pubes	5114	Euca pilul	6013	Lasi parvi	2449	Pell falca	2 8078	Xant media ✓
0688	Caus flexu	5115	Euca piper	6014	Lasi rufum	2451	*Penn cland	8079	Xant m.min
3648	Cent asiat	5138	Euca punct	1889	Laxm graci	6754	Pers bargo	3592	Xant pilos
3690	Cera apeta	5142	Euca racem	1917	Lepi conca	6768	Pers lance	3594	Xant tride
3692	Cera gummi	5148	Euca r.res	1920	Lepi filif	2 2464	Pers levis ✓	8089	Xylo pyrif
0724	*Cest parqu	3 5164	Euca scler ✓	1921	Lepi forsy	2465	Pers linea	3605	Zier smith

1 Acac echinula ✓  
 1 Hybanthus monopetalus ✓



# Vegetation Assessment

04

Project #: 4200 – Westcliff

Observer: SEW + MR

Date: 28/11/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: WP (15)	Easting 298922	Northing 6212277
Location description: NE of coalwash pile		
Photo numbers: 6		

<b>Topographical features</b>	
Slope 10	Aspect southerly
Outcropping % 20%	Surface Rock % 5%
Soil Type sandstone	Horizon visibility —

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species	
Upper	T	15	20	40	G	Euca piperity.	
Mid	ST	4	6	20	G	Bank serr, juvenile Eucs	
Lower	shrub	1	3	50	G	lept polyg, Dodon triqu, Acacia terr Bank serrat, Hakea seric	
Ground	fern grass	0	0.5	15	G	Pterid escul, Austrood sp, cyathoch diard	
<b>Specht</b>	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
<b>Mapped community</b>	SGPF						
<b>EECs/Threatened Plants</b>							

<b>General Habitat Description and comments</b>
Fire History: 710 yrs
Disturbance: Grazing, Roads, Powerlines, Erosion, coal dust-minimal
Ajacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation
RESILIENCE (Natural Soil Profile) – Good, Moderate, Poor, Very Poor/native pasture
RESILIENCE (Disturbed Soil Profile) – Permantly altered, Reveg area, Open space/exotic pasture
Weeds and Weed Density: None

0018	Acac brown	0733	Chei s.sie	5170	Euca sider	1	1923	Lepi later	3	6792	Pers pinif	
0423	Acac irror	3773	Chlo stoece	1318	Euca siebe		1927	Lepi neesi		6809	Petr pulch	
0489	Acac linif	0755	*Chlo gayan	5187	Euca teret		1930	Lepi uroph		6810	Petr sessi	
2	5128	Acac longi	0782	*Cirs vulga	3749	Euch invol		1938	Lept tenax	2500	Phyl gunni	
0056	Acac mearn	0788	Clem arist	1346	Eust latif	1	1939	Lept acida	1	2501	Phyl hirte	
0063	Acac myrti	3886	Cono erici	1350	Exoc cupre		1956	Lept conti		2510	*Phyt octan	
0068	Acac obtus	3887	Cono l.ang	2X	1353	Exoc stric		1953	Lept emarg	4819	Pime l.lin	
0550	Acac parra	0806	Cono taxif	5266	Ficu m.mac		6088	Lept junip		2561	*Plan lance	
0092	Acac suave	3890	Cono tenui	5336	Gahn asper		1958	Lept lanig		2571	Plat erico	
2	0095	Acac termi	0810	*Cony albid	1387	Gahn clark		6094	Lept morri	2	6960	Plat linea
0098	Acac ulici	4370	Corr r.ref	1394	Gahn radul		6098	Lept parvi		2575	Plec parvi	
0843	Acro divar	2	1288	Cory gummi	1404	Gali binif	2	6105	Lept p.pol		4694	Poa l.lab
3650	Acti helia	4378	Cras s.sie	5410	Gera s.sol		1950	Lept trine		2395	Podo ilici	
0857	Acti minor	4069	Crot verre	1440	Glei dicar		6121	Lepy scari		7012	Poly calyc	
0129	Adia aethi	4072	Cryp a.ama	1441	Glei micro	2	1978	Leuc erico		2655	Poma disco	
5449	Adia h.his	2	0899	Cyat diand	1455	Glyc claud	1X	1982	Leuc junip	1X	7043	Poma e.ell
0888	*Ager adeno	0905	Cymb refra	1457	Glyc tabac		1983	Leuc l.lan		2658	Poma ferru	
0677	Allo litto	0907	Cyno dacty	9417	Gnap spp.		6145	Leuc setig		2673	Poma inter	
5383	Allo torul	0953	Damp purpu	5460	Gomp grand		1995	Leuc virga		2660	Poma lanig	
0206	Ampe x.xip	0958	Damp stric	3748	Gomp incon		2003	*Ligu sinen		4837	Poma p.phy	
4527	*Andr virgi	4246	Darw grand	5461	Gomp minus		2014	Lind linea		2677	Poma umbel	
1345	Ango baker	4270	Davi corym	1486	Gono m.mic		2015	Lind micro		2682	Pora corym	
5389	Ango costa	0995	Davi genis	1489	Gono tetra		6162	Lipa refle		7060	Pora erici	
0231	Anis avena	4429	Davi u.uli	1490	Gono teucr		6168	Liss s.str		7082	Prat purpu	
0237	Aotu erico	4323	Dend speci	1494	Good b.bel		9546	Loga spp.		7121	Pros s.sax	
1589	Aris vagan	4369	Desm rhyti	4543	Good h.hed	1	4163	Loma cylin		7148	Pseu pimel	
0269	Arth mille	4425	Desm varia	5490	Good h.egl		4709	Loma f.cor	2	2777	Pter escul	
0304	Astr humif	1027	Dian c.cae	1507	Good ovata	1	4710	Loma f.fil		7203	Ptil deust	
0305	Astr pinif	4398	Dian c.pro	1514	Good stell	2	2046	Loma longi		7232	Pult ellip	
1782	Astr latif	4408	Dian r.rev	5525	Good d.dif		4711	Loma m.tub		2857	Pult linop	
0981	Aust tenui	5797	Dich micra	5567	Grev longi		2048	Loma m.mul		5685	Pult micro	
2156	Back myrti	1036	Dich repen	1	5573	Grev mucro	1	6192	Loma obliq		2871	Pult scabr
2186	Baec imbri	9315	Digi spp.	5580	Grev oleoi		2052	Loma myric		7262	Pult villo	
0355	Baec linif	2	4476	Dill flori	5583	Grev p.par	1	6196	Loma silai		2883	Pyrr rupes
2222	Balo graci	4480	Dill phyli	5596	Grev s.ser		6332	Mela decor		2916	Rapa howit	
2255	Bank e.eri	1	4481	Dill retor	5603	Grev sphac		6334	Mela erube		7354	*Rubu fruit
0363	Bank margi	5934	Dill rudis	5631	Haem corym		6338	Mela hyper		2956	Rubu parvi	
2269	Bank oblon	4559	Dodo falca	5632	Haem plani		6341	Mela linar		7426	Saro fasti	
3	0366	Bank serra	4566	Dodo multi	1562	Hake dacty		7288	Mela styph		7431	Scae a.alb
2285	Bank s.col	4	1093	Dodo triqu	1	1571	Hake seric		6345	Mela thymi	3023	Scae ramos
3	2295	Bank s.spi	4592	Dodo v.vis	5664	Hake t.ter		6381	Micr erico		3030	Schi bifid
0371	Baue rubio	1096	Dood asper	1596	Hard viola		2176	Micr hexan		3039	Scho apogo	
0397	*Bide pilos	1097	Dood cauda	1626	Heli scorp		2179	Micr s.sti		3041	Scho brevi	
1	4291	Bill s.sca	4616	Drac secur	5731	Hibb a.asp		2181	Micr cilia		3049	Scho melan
2447	Blec ambig	1109	Dros spatu	5735	Hibb circu		2205	Mirb rubii		3057	Scho turbi	
0404	Blec carti	4675	Echi c.cae	5736	Hibb c.cis	1X	6409	Mirb s.spe		7523	*Sene madag	
0408	Blec nudum	1122	Echi ovatu	1666	Hibb diffu		2211	Mitr polym		7555	Senn odora	
9126	Blec spp.	1132	Eina hasta	5437	Hibb e.emp		2218	Mono ellip		3133	*Seta graci	
0426	Boro ledif	1137	Elae retic	5749	Hibb nitid		2220	Mono scopu	1	7609	Smil glyci	
0436	Boss ensat	1155	Empo minus	5811	Hove linea		2224	Mori jasmu		3186	Sola prino	
0438	Boss heter	1161	Ento margi	5830	Hydr pedun		6492	Note longi		3231	Spre incar	
1	0439	Boss obcor	2	3790	Ento stric		6495	Note longi		3261	Stic f fla	
0440	Boss prost	5250	Epac m.mic	1744	*Hype perfo		2282	Note venos	2	3305	Styl laric	
2624	Boss scolo	1	4788	Epac pulch	5854	*Hypo radic		6556	Olea micro		7726	Styp l.lae
2696	Brac d.dap	4791	Epac p.pur	5867	Impe c.maj		6570	Olea visci		7794	Telo speci	
2879	Brun austr	1185	Erag brown	1761	Indi austr		2339	Oper asper		7827	Them austr	
0512	Burc umbel	1187	*Erag curvu	5906	Isop anemo		2340	Oper hispi		3406	Tode barba	
0515	Burs s.spi	1	4893	Erio austr	5907	Isop aneth		6580	Opli imbec		3421	Tric elati
4340	Caes p.min	4923	Euca acmen	1814	Junc conti		9652	Opun spp.		7875	Tric simpl	
0557	Cale major	1243	Euca agglo	1845	Junc usita		2386	Oxal peren		3458	Tris lauri	
0562	Call citri	4991	Euca crebr	1846	Junc vagin		9662	Oxal spp.		3496	*Verb bonar	
3236	Call linea	5016	Euca eugen	1847	Kenn prost		6630	Ozot diosm		7975	Vern c.cin	
0567	Call subul	5020	Euca fibro	1848	Kenn rubic		6647	Pand p.pan		3512	Vero plebe	
0887	Calo dubia	1281	Euca globo	1854	Kunz ambig		2408	Pani simil		3523	Vimi junce	
0609	Caly tetra	5033	Euca haema	6004	Lamb formo		2430	*Pasp dilat		8033	Wahl s.str	
4681	Cass glabe	5077	Euca moluc	1873	Lasi f.fer	1	2438	Pate glabr		8049	West longi	
4680	Cass glabe	5089	Euca oblon	1874	Lasi macro		2438	Pate seric		8061	Wool punge	
1	3559	Cass pubes	5114	Euca pilul	6013	Lasi parvi		2449	Pell falca		8078	Xant media
0688	Caus flexu	4	5115	Euca piper	6014	Lasi rufum		2451	*Penn claud		8079	Xant m.min
3648	Cent asiat	5138	Euca punct	1889	Laxm graci		6754	Pers bargo		3592	Xant pilos	
3690	Cera apeta	5142	Euca racem	1917	Lepi conca		6768	Pers lance	1	3594	Xant tride	
2	3692	Cera gummi	5148	Euca r.res	1920	Lepi filif	1	2464	Pers levis		8089	Xylo pyrif
0724	*Cest parqu	5164	Euca scler	1921	Lepi forsy	2	2465	Pers linea		3605	Zier smith	

1 X pulten daph  
2 Austrod sp. lang.



# Vegetation Assessment

**Project #: 4200 – Westcliff**
**Observer:** *NS / BJS*
**Date:** *28/11/06*

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: <i>WPool6</i>	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="7"/> <input type="text" value="3"/> <input type="text" value="5"/> <input type="text" value="7"/>	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="2"/> <input type="text" value="6"/> <input type="text" value="1"/>
Location description:		
Photo numbers: <i>100 - 0003</i>		

<b>Topographical features</b>	
Slope <i>5%</i>	Aspect <i>WEST</i>
Outcropping % <i>0</i>	Surface Rock % <i>&lt;5%</i>
Soil Type <i>SAND</i>	Horizon visibility <i>100</i>

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species	
Upper	<i>T</i>	<i>8</i>	<i>12</i>	<i>20</i>	<i>Co</i>	<i>Coryguma Eur. oblong</i>	
Mid	<i>SMT</i>	<i>4</i>	<i>8</i>	<i>25</i>	<i>Co</i>	<i>" "</i>	
Lower	<i>Sh</i>	<i>1</i>	<i>4</i>	<i>25</i>	<i>Co</i>	<i>Lepto trin, Eriost, Bank sp.</i>	
Ground	<i>Scalphy Herbs</i>	<i>0</i>	<i>0.5</i>	<i>40</i>	<i>Co</i>	<i>Cyathed. diad, Denth. H. bb rip.,</i>	
<b>Specht</b>	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
<b>Mapped community</b>	<i>ESSW</i>						
<b>EECs/Threatened Plants</b>	<i>-</i>						

<b>General Habitat Description and comments</b>
Fire History: <i>3 years</i>
Disturbance: <i>Grazing, Roads, Powerlines, Erosion, Fire</i>
Ajacent land: <i>Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation Roads/caseants</i>
RESILIENCE (Natural Soil Profile) <i>Good</i> Moderate, Poor, Very Poor/native pasture
RESILIENCE (Disturbed Soil Profile) <i>-</i> Permanently altered, Reveg area, Open space/exotic pasture
Weeds and Weed Density: <i>0% weed density</i>
<i>- Healthy part of fire ESSW.</i>
<i>- Leaf litter + logs.</i>
<i>- Euc. laevis, a dominant in adjacent veg 1</i>

0018	Acac brown	0733	Chei s.sie	5170	Euca sider	1923	Lepi later	6792	Pers pinif
0423	Acac irror	3773	Chlo stoec	1318	Euca siebe	1927	Lepi neesi	6809	Petr pulch
0489	Acac linif	0755	*Chlo gayan	5187	Euca teret	1930	Lepi uroph	6810	Petr sessi
5128	Acac longi	0782	*Cirs vulga	3749	Euch invol	1938	Lept tenax	2500	Phyl gunni
0056	Acac mearn	0788	Clem arist	1346	Eust latif	1939	Lept acida	2501	Phyl hirte 2
0063	Acac myrti 1	3886	Cono erici	1350	Exoc cupre	1956	Lept conti	2510	*Phyt octan
0068	Acac obtus	3887	Cono l.ang 1	1353	Exoc stric	1953	Lept emarg	4819	Pime l.lin
0050	Acac parra	0806	Cono taxif	5266	Ficu m.mac	6088	Lept junip	2561	*Plan lance
0092	Acac suave	3890	Cono tenui	5336	Gahn asper	1958	Lept lanig	2571	Plat erico
0095	Acac termi 1	0810	*Cony albid	1387	Gahn clark	6094	Lept morri	6960	Plat linea 3
0098	Acac ulici 2	4370	Corr r.ref	1394	Gahn radul	6098	Lept parvi	2575	Plec parvi
0843	Acro divar	1288	Cory gummi 4	1404	Gali binif	6105	Lept p.pol	4694	Poa l.lab
3650	Acti helia	4378	Cras s.sie	5410	Gera s.sol	1950	Lept trine 4	2395	Podo ilici
0857	Acti minor	4069	Crot verre	1440	Glei dicar	6121	Lepy scari 3	7012	Poly calyc
0129	Adia aethi	4072	Cryp a.ama	1441	Glei micro	1978	Leuc erico	2655	Poma disco
5449	Adia h.his	0899	Cyat diand	1455	Glyc cland	1982	Leuc junip	7043	Poma e.ell
0888	*Ager adeno	0905	Cymb refra	1457	Glyc tabac	1983	Leuc l.lan	2658	Poma ferru
0677	Allo litto	0907	Cyno dacty	9417	Gnap spp.	6145	Leuc setig	2673	Poma inter
5383	Allo torul	0953	Damp purpu	5460	Gomp grand	1995	Leuc virga	2660	Poma lanig
0206	Ampe x.xip	0958	Damp stric 1	3748	Gomp incon	2003	*Ligu sinen	4837	Poma p.phy
4527	*Andr virgi	4246	Darw grand	5461	Gomp minus	2014	Lind linea 2	2677	Poma umbel
1345	Ango baker	4270	Davi corym	1486	Gono m.mic	2015	Lind micro	2682	Pora corym
5389	Ango costa	0995	Davi genis	1489	Gono tetra	6162	Lipa refle	7060	Pora erici
0231	Anis avena 2	4429	Davi u.uli	1490	Gono teucr	6168	Liss s.str	7082	Prat purpu
0237	Aotu erico	4323	Dend speci	1494	Good b.bel	9546	Loga spp.	7121	Pros s.sax
1589	Aris vagan	4369	Desm rhyti	4543	Good h.hed 1	4163	Loma cylin	7148	Pseu pimel
0269	Arth mille	4425	Desm varia	5490	Good h.egl	4709	Loma f.cor	2777	Pter escul
0304	Astr humif	1027	Dian c.cae	1507	Good ovata	4710	Loma f.fil	7203	Ptil deust
0305	Astr pinif	4398	Dian c.pro	1514	Good stell	2046	Loma longi 1	7232	Pult ellip
1782	Astr latif	4408	Dian r.rev	5525	Grev d.dif 3	4711	Loma m.tub	2857	Pult linop
0981	Aust tenui	5797	Dich micra	5567	Grev longi	2048	Loma m.mul 2	5685	Pult micro
2156	Back myrti	1036	Dich repen	5573	Grev mucro 3	6192	Loma obliq 3	2871	Pult scabr
2186	Baec imbri	9315	Digi spp.	5580	Grev oleoi	2052	Loma myric	7262	Pult villo
0355	Baec linif	4476	Dill flori	5583	Grev p.par	6196	Loma silai 2	2883	Pyrr rupes
2222	Balo graci	4480	Dill phyli	5596	Grev s.ser	6332	Mela decor	2916	Rapa howit
2255	Bank e.eri	4481	Dill retor	5603	Grev sphac 3	6334	Mela erube	7354	*Rubu fruit
0363	Bank margi	5934	Dill rudis	5631	Haem corym	6338	Mela hyper	2956	Rubu parvi
2269	Bank oblon	4559	Dodo falca	5632	Haem plani	6341	Mela linar	7426	Saro fasti
0366	Bank serra 1	4566	Dodo multi	1562	Hake dacty 1	7288	Mela styph	7431	Scae a.alb
2285	Bank s.col	1093	Dodo triqu	1571	Hake seric 2	6345	Mela thymi	3023	Scae ramos 2
2295	Bank s.spi 3	4592	Dodo v.vis	5664	Hake t.ter 1	6381	Micr erico	3030	Schi bifid
0371	Baue rubio	1096	Dood asper	1596	Hard viola	2176	Micr hexan	3039	Scho apogo
0397	*Bide pilos	1097	Dood cauda	1626	Heli scorp	2179	Micr s.sti	3041	Scho brevi
4291	Bill s.sca 1	4616	Drac secun	5731	Hibb a.asp	2181	Micr cilia	3049	Scho melan
2447	Blec ambig	1109	Dros spatu	5735	Hibb circu	2205	Mirb rubii	3057	Scho turbi
0404	Blec carti	4675	Echi c.cae	5736	Hibb c.cis	6409	Mirb s.spe	7523	*Sene madag
0408	Blec nudum	1122	Echi ovatu	1666	Hibb diffu	2211	Mitr polym	7555	Senn odora
9126	Blec spp.	1132	Eina hasta	5437	Hibb e.emp	2218	Mono ellip	3133	*Seta graci
0426	Boro ledif	1137	Elae retic	5749	Hibb nitid	2220	Mono scopu	7609	Smil glyci 1
0436	Boss ensat	1155	Empo minus	5811	Hove linea 1	2224	Mori jasmi	3186	Sola prino
0438	Boss heter	1161	Ento margi	5830	Hydr pedun	6492	Note longi	3231	Spre incar
0439	Boss obcor 1	3790	Ento stric 2	1741	Hype gram	6495	Note longi	3261	Stic f.fla
0440	Boss prost	5250	Epac m.mic	1744	*Hype perfo	2282	Note venos	3305	Styl latic
2624	Boss scolo	4788	Epac pulch	5854	*Hypo radic	6556	Olea micro	7726	Styp l.lae
2696	Brac d.dap 1	4791	Epac p.pur	5867	Impe c.maj	6570	Olea visci	7794	Telo speci
2879	Brun austr	1185	Erag brown	1761	Indi austr	2339	Oper asper	7827	Them austr
0512	Burc umbel	1187	*Erag curvu	5906	Isop anemo 3	2340	Oper hispi	3406	Tode barba
0515	Burs s.spi	4893	Erio austr 3	5907	Isop aneth	6580	Opli imbec	3421	Tric elati
4340	Caes p.min	4923	Euca acmen	1814	Junc conti	9652	Opun spp.	7875	Tric simpl
0557	Cale major	1243	Euca agglo	1845	Junc usita	2386	Oxal peren	3458	Tris lauri
0562	Call citri	4991	Euca crebr	1846	Junc vagin	9662	Oxal spp.	3496	*Verb bonar
3236	Call linea	5016	Euca eugen	1847	Kenn prost	6630	Ozot diosm	7975	Vern c.cin
0567	Call subul	5020	Euca fibro	1848	Kenn rubic	6647	Pand p.pan	3512	Vero plebe
0887	Calo dubia	1281	Euca globo	1854	Kunz ambig	2408	Pani simil	3523	Vimi junce
0609	Caly tetra	5033	Euca haema	6004	Lamb formo 2	2430	*Pasp dilat	8033	Wahl s.str
4681	Cass glabe	5077	Euca moluc	1873	Lasi f.fer	2436	Pate glabr 2	8049	West longi
4680	Cass glabe	5089	Euca oblon 4	1874	Lasi macro	2438	Pate seric	8061	Wool punge
3559	Cass pubes	5114	Euca pilul	6013	Lasi parvi	2449	Pell falca	8078	Xant media 1
0688	Caus flexu	5115	Euca piper	6014	Lasi rufum	2451	*Penn cland	8079	Xant m.min
3648	Cent asiat	5138	Euca punct	1889	Laxm graci	6754	Pers bargo	3592	Xant pilos 1
3690	Cera apeta	5142	Euca racem	1917	Lepi conca	6768	Pers lance	3594	Xant tride
3692	Cera gummi	5148	Euca r.res	1920	Lepi filif	2464	Pers levis 2	8089	Xylo pyrif
0724	*Cest parqu	5164	Euca scler	1921	Lepi forsy	2465	Pers linea	3605	Zier smith

Don't lang 5 Lon glaucu 2  
 Abb. sp. 3 Leuco esq. 1

500319



# Vegetation Assessment

Project #: 4200 – Westcliff

Observer: NS & BS

Date: 28/11/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: WP005	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="7"/> <input type="text" value="5"/> <input type="text" value="4"/> <input type="text" value="8"/>	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="5"/> <input type="text" value="1"/> <input type="text" value="0"/>
Location description: Adjacent Dam (south)		
Photo numbers: 100-0002		

<b>Topographical features</b>	
Slope < 5°	Aspect North
Outcropping % Nil	Surface Rock % Nil
Soil Type Sandy	Horizon visibility 500m.

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species	
Upper	Trees	10	15	20	G	Euc. punct, Euc. haem, Cory jun Euc. oblong.	
Mid							
Lower	Shrubs	1	3	40	G	Lepta frim, Petro. sess. Isopogon arca. Leptomeria	
Ground	Sedges Grass	0	0.5	20	G	Cyathea stricta Dianthus long.	
<b>Specht</b>	FPC: 100-70%		70-30%		30-10% 0		<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
<b>Mapped community</b>	WSGF						
<b>EECs/Threatened Plants</b>							

<b>General Habitat Description and comments</b>
Fire History: 75ya.
Disturbance: Grazing, Roads, Powerlines, Erosion. Nil
Adjacent land: Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation - Dam within 100m.
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
- Veg in good condition with no disturbances



0018	Acac brown	0733	Chei s.sie	5170	Euca sider	1923	Lepi later	6792	Pers pinif 1 ✓
0423	Acac irror	3773	Chlo stoec	1318	Euca siebe	1927	Lepi neesi	6809	Petr pulch ✓
0489	Acac linif 2 ✓	0755	*Chlo gayan	5187	Euca teret	1930	Lepi uroph	6810	Petr sessi 4 ✓
5128	Acac longi	0782	*Cirs vulga	3749	Euch invol	1938	Lept tenax	2500	Phyl gunni
0056	Acac mearn	0788	Clem arist	1346	Eust latif	1939	Lept acida 4 ✓	2501	Phyl hirte 2 ✓
0063	Acac myrti	3886	Cono erici	1350	Exoc cupre	1956	Lept conti	2510	*Phyt octan
0068	Acac obtus	3887	Cono lang 1 ✓	1353	Exoc stric	1953	Lept emarg	4819	Pime l.lin
0550	Acac parra	0806	Cono taxif	5266	Ficu m.mac	6088	Lept junip	2561	*Plan lance
0092	Acac suave	3890	Cono tenui	5336	Gahn asper	1958	Lept lanig	2571	Plat erico 1 ✓
0095	Acac termi	0810	*Cony albid	1387	Gahn clark	6094	Lept morri	6960	Plat linea 1 ✓
0098	Acac ulici 1 ✓	4370	Corr r.ref	1394	Gahn radul	6098	Lept parvi	2575	Plec parvi ✓
0843	Acro divar	1288	Cory gummi 2 ✓	1404	Gali binif	6105	Lept p.pol	4694	Poa l.lab
3650	Acti helia	4378	Cras s.sie	5410	Gera s.sol	1950	Lept trine 5 ✓	2395	Podo ilici
0857	Acti minor 3 ✓	4069	Crot verre	1440	Glei dicar	6121	Lepy scari 3 ✓	7012	Poly calyc
0129	Adia aethi	4072	Cryp a.ama	1441	Glei micro	1978	Leuc erico	2655	Poma disco
5449	Adia h.his	0899	Cyat diand 5 ✓	1455	Glyc cland	1982	Leuc junip	7043	Poma e.ell
0888	*Ager adeno	0905	Cymb refra	1457	Glyc tabac	1983	Leuc l.lan	2658	Poma ferru
0677	Allo litto 2 ✓	0907	Cyno dacty	9417	Gnap spp.	6145	Leuc setig	2673	Poma inter
5383	Allo torul	0953	Damp purpu	5460	Gomp grand	1995	Leuc virga	2660	Poma lanig
0206	Ampe x.xip	0958	Damp stric	3748	Gomp incon	2003	*Ligu sinen	4837	Poma p.phy
4527	*Andr virgi	4246	Darw grand	5461	Gomp minus 1 ✓	2014	Lind linea	2677	Poma umbel
1345	Ango baker	4270	Davi corym	1486	Gono m.mic	2015	Lind micro	2682	Pora corym
5389	Ango costa	0995	Davi genis	1489	Gono tetra	6162	Lipa refle	7060	Pora erici
0231	Anis avena 2 ✓	4429	Davi u.uli	1490	Gono teucr	6168	Liss s.str	7082	Prat purpu
0237	Aotu erico	4323	Dend speci	1494	Good b.bel	9546	Loga spp.	7121	Pros s.sax
1589	Aris vagan	4369	Desm rhyti	4543	Good h.hed	4163	Loma cylin	7148	Pseu pimel
0269	Arth mille	4425	Desm varia	5490	Good h.egl	4709	Loma f.cor	2777	Pter escul
0304	Astr humif	1027	Dian c.cae	1507	Good ovata	4710	Loma f.fil	7203	Ptil deust
0305	Astr pinif	4398	Dian c.pro	1514	Good stell	2046	Loma longi	7232	Pult ellip
1782	Astr latif	4408	Dian r.rev	5525	Grev d.dif 3 ✓	4711	Loma m.tub	2857	Pult linop
0981	Aust tenui	5797	Dich micra	5567	Grev longi	2048	Loma m.mul	5685	Pult micro
2156	Back myrti	1036	Dich repen	5573	Grev micro 2 ✓	6192	Loma obliq 1 ✓	2871	Pult scabr
2186	Baec imbri	9315	Digi spp.	5580	Grev oleoi	2052	Loma myric	7262	Pult villo
0355	Baec linif	4476	Dill flori	5583	Grev p.par	6198	Loma silai 1 ✓	2883	Pyrr rupes
2222	Balo graci	4480	Dill phyli	5596	Grev s.ser	6332	Mela decor	2916	Rapa howit
2255	Bank e.eri 1 ✓	4481	Dill retor	5603	Grev sphac 1 ✓	6334	Mela erube	7354	*Rubu fruit
0363	Bank margi	5934	Dill rudis	5631	Haem corym	6338	Mela hyper	2956	Rubu parvi
2269	Bank oblon	4559	Dodo falca	5632	Haem plani	6341	Mela linar	7426	Saro fasti
0366	Bank serra	4566	Dodo multi	1562	Hake dacty 2 ✓	7288	Mela styph	7431	Scae a.alb
2285	Bank s.col	1093	Dodo triqu	1571	Hake seric 7 ✓	6345	Mela thymi	3023	Scae ramos
2295	Bank s.spi 2 ✓	4592	Dodo v.vis	8664	Hake t.ter 1 ✓	6381	Micr erico	3030	Schi bifid
0371	Baue rubio	1096	Dood asper	1596	Hard viola	2176	Micr hexan	3039	Scho apogo 1 ✓
0397	*Bide pilos	1097	Dood cauda	1626	Heli scorp	2179	Micr s.sti	3041	Scho brevi 1 ✓
4291	Bill s.sca	4616	Drac secun	5731	Hibb a.asp	2181	Micr cilia	3049	Scho melan
2447	Blec ambig	1109	Dros spatu	5735	Hibb circu	2205	Mirb rubii	3057	Scho turbi
0404	Blec carti	4675	Echi c.cae	5736	Hibb c.cis	6409	Mirb s.spe 3 ✓	7523	*Sene madag
0408	Blec nudum	1122	Echi ovatu	1666	Hibb diffu	2211	Mitr polym	7555	Senn odora
9126	Blec spp.	1132	Eina hasta	5437	Hibb e.emp	2218	Mono ellip	3133	*Seta graci
0426	Boro ledif	1137	Elae retic	5749	Hibb nitid	2220	Mono scopa 2 ✓	7609	Smil glyci
0436	Boss ensat	1155	Empo minus	5811	Hove linea	2224	Mori jasmi	3186	Sola prino
0438	Boss heter	1161	Ento margi	5830	Hydr pedun	6492	Note longi	3231	Spre incar
0439	Boss obcor 2 ✓	3790	Ento stric 2 ✓	1741	Hype grami	6495	Note longi	3261	Stic f.fla
0440	Boss prost	5250	Epac m.mic 2 ✓	1744	*Hype perfo	2282	Note venos	3305	Styl laric
2624	Boss scolo	4788	Epac pulch	5854	*Hypo radic	6556	Olea micro	7726	Styp l.lae
2696	Brac d.dap 3 ✓	4791	Epac p.pur	5867	Impe c.maj	6570	Olea visci	7794	Telo speci
2879	Brun austr	1185	Erag brown 1 ✓	1761	Indi austr	2339	Oper asper	7827	Them austr
0512	Burc umbel	1187	*Erag curvu	5906	Isop anemo 3 ✓	2340	Oper hispi	3406	Tode barba
0515	Burs s.spi	4893	Erio austr 3 ✓	5907	Isop aneth	6580	Opli imbec	3421	Tric elati
4340	Caes p.min	4923	Euca acmen	1814	Junc conti	9652	Opun spp.	7875	Tric simpl
0557	Cale major	1243	Euca agglo	1845	Junc usita	2386	Oxal peren	3458	Tris lauri
0562	Call citri	4991	Euca crebr	1846	Junc vagin	9662	Oxal spp.	3496	*Verb bonar
3236	Call linea	5016	Euca eugen	1847	Kenn prost	6630	Ozot diosm	7975	Vern c.cin
0567	Call subul	5020	Euca fibro	1848	Kenn rubic	6647	Pand p.pan	3512	Vero plebe
0887	Calo dubia	1281	Euca globo	1854	Kunz ambig 1 ✓	2408	Pani simil	3523	Vimi junce
0609	Caly tetra	5033	Euca haema 3 ✓	6004	Lamb formo 1 ✓	2430	*Pasp dilat	8033	Wahl s.str
4685	Cass glabe 2 ✓	5077	Euca moluc	1873	Lasi f.fer	2436	Pate glabr	8049	West longi
4680	Cass glabe	5089	Euca oblon 3 ✓	1874	Lasi macro	2438	Pate seric	8061	Wool punge
3559	Cass pubes 2 ✓	5114	Euca pilul	6013	Lasi parvi	2449	Pell falca	8078	Xant media 2 ✓
0688	Caus flexu	5115	Euca piper	6014	Lasi rufum	2451	*Penn cland	8079	Xant m.min
3648	Cent asiat	5138	Euca punct 4 ✓	1889	Laxm graci	6754	Pers bargo	3592	Xant pilos
3690	Cera apeta	5142	Euca racem	1917	Lepi conca	6768	Pers lance	3594	Xant tride
3692	Cera gummi	5148	Euca r.res	1920	Lepi filif	2464	Pers levis 2 ✓	8089	Xylo pyrif
0724	*Cest parqu	5164	Euca scler	1921	Lepi forsy	2465	Pers linea	3605	Zier smith

*Danthonia longiflora* 4 ✓  
*Lept. araucaensis* 1 ✓  
*Hippoboscus riparius* 1 ✓  
*Lepi. scari* 1 ✓  
*horn. glauca* 3 ✓  
*Styphelia triflora* 1 ✓  
*Leuco. esquamata* 2 ✓



# Vegetation Assessment

Q5

<b>Project #:</b> 4200 – Westcliff
<b>Observer:</b> SEW + MR
<b>Date:</b> 28/11/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: (17)	Easting 298495	Northing 6211708
Location description: 130m Nth of Easement		
Photo numbers: 7		

<b>Topographical features</b>	
Slope 2°	Aspect 10°
Outcropping % 0°	Surface Rock % <5%
Soil Type Sandstone	Horizon visibility —

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
Upper	T	8	10	20	G	Cory gum, Euc glob,
Mid	ST	2	4	30	G	Bank serr, lept trin, Lepom acida,
Lower	shrub	0.5	1.5	40	G	lamb form, Ross obrard, lept poly, Pers leuis, Petro sess
Ground	grass	0	0.5	20	G	Cyathoch diand, lbrard 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

<b>Mapped community</b>	ESSN - scribbly surrounding quadrat
<b>EECs/Threatened Plants</b>	Personia hirsuta

<b>General Habitat Description and comments</b>
Fire History: 5-10yrs
Disturbance: Grazing, Roads, Powerlines, Erosion.
Ajacent land: Cleared, Residential, Scattered Trees, (Uncleared), Riparian vegetation, Powerlines
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

0018	Acac brown	0733	Chei s.sie	5170	Euca sider	1923	Lepi later	2	6792	Pers pinif			
0423	Acac irror	3773	Chlo stoec	1318	Euca siebe	1927	Lepi neesi	2	6809	Petr pulch			
0489	Acac linif	0755	*Chlo gayan	5187	Euca teret	1930	Lepi uroph	3	6810	Petr sessi			
5128	Acac longi	0782	*Cirs vulga	3749	Euch invol	1938	Lept tenax		2500	Phyl gunni			
0056	Acac mearn	0788	Clem arist	1346	Eust latif	3	1939	Lept acida	✓	2501	Phyl hirte		
0063	Acac myrti	3886	Cono erici	1350	Exoc cupre	1956	Lept conti		2510	*Phyt octan			
0068	Acac obtus	3887	Cono l.ang	1353	Exoc stric	1953	Lept emarg		4819	Pime l.lin			
0550	Acac parra	0806	Cono taxif	5266	Ficu m.mac	6088	Lept junip		2561	*Plan lance			
2	0092	Acac suave	3890	Cono tenui	5336	Gahn asper	1958	Lept lanig		2571	Plat erico		
0095	Acac termi	0810	*Cony albid	1387	Gahn clark	6094	Lept morri	2	6960	Plat linea			
0098	Acac ulici	4370	Corr r.ref	1394	Gahn radul	6098	Lept parvi	2	2575	Plec parvi			
0843	Acro divar	3	1288	Cory gummi	1404	Gali binif	2	6105	Lept p.pol	✓	4694	Poa l.lab	
3650	Acti helia	4378	Cras s.sie	5410	Gera s.sol	3	1950	Lept trine	✓	2395	Podo ilici		
0857	Acti minor	4069	Crot verre	1440	Glei dicar	3	6121	Lepy scari	✓	7012	Poly calyc		
0129	Adia aethi	4072	Cryp a.ama	1441	Glei micro	1	4978	Leuc erico	✓	2655	Poma disco		
5449	Adia h.his	3	0899	Cyat diand	1455	Glyc cland	1982	Leuc junip	✓	7043	Poma e.ell		
0888	*Ager adeno	0905	Cymb refra	1457	Glyc tabac	1983	Leuc l.lan		2658	Poma ferru			
0677	Allo litto	0907	Cyno dacty	9417	Gnap spp.	6145	Leuc setig		2673	Poma inter			
5383	Allo torul	0953	Damp purpu	2	5460	Gomp grand	1995	Leuc virga	✓	2660	Poma lanig		
0206	Ampe x.xip	1	0958	Damp stric	3748	Gomp incon	2003	*Ligu sinen	✓	4837	Poma p.phy		
4527	*Andr virgi	4246	Darw grand	1	5461	Gomp minus	1	2014	Lind linea	✓	2677	Poma umbel	
1345	Ango baker	4270	Davi corym	1486	Gono m.mic	2015	Lind micro		2682	Pora corym			
5389	Ango costa	0995	Davi genis	1489	Gono tetra	6162	Lipa refle	1	7060	Pora eric			
2	0231	Anis avena	4429	Davi u.uli	1490	Gono teucr	6168	Liss s.str	✓	7082	Prat purpu		
0237	Aotu erico	4323	Dend speci	1494	Good b.bel	9546	Loga spp.		7121	Pros s.sax			
1589	Aris vagan	4369	Desm rhyti	1	4543	Good h.hed	1	4163	Loma cylin	✓	7148	Pseu pimel	
0269	Arth mille	4425	Desm varia	5490	Good h.egl	4709	Loma f.cor		2777	Pter escul			
0304	Astr humif	1027	Dian c.cae	1507	Good ovata	2	4710	Loma f.fil	✓	7203	Ptil deust		
0305	Astr pinif	4398	Dian c.pro	1514	Good stell	2046	Loma longi		7232	Pult ellip			
1782	Astr latif	4408	Dian r.rev	5525	Grev d.dif	4711	Loma m.tub		2857	Pult linop			
0981	Aust tenui	5797	Dich micra	5567	Grev longi	1	2048	Loma m.mul	✓	5685	Pult micro		
2156	Back myrti	1036	Dich repen	5573	Grev mucro	2	6192	Loma obliq	✓	2871	Pult scabr		
2186	Baec imbri	9315	Digi spp.	5580	Grev oleoi	2052	Loma myric		7262	Pult villo			
0355	Baec linif	3	4476	Dill flori	2	5583	Grev p.par	1	6196	Loma silai	✓	2883	Pyrr rupes
2222	Balo graci	4480	Dill phyli	5596	Grev s.ser	6332	Mela decor		2916	Rapa howit			
2	2255	Bank e.eri	4481	Dill retor	5603	Grev sphac	6334	Mela erube		7354	*Rubu fruit		
0363	Bank margi	5934	Dill rudis	5631	Haem corym	6338	Mela hyper		2956	Rubu parvi			
2269	Bank oblon	4559	Dodo falca	5632	Haem plani	6341	Mela linar		7426	Saro fasti			
4	0366	Bank serra	4566	Dodo multi	1562	Hake dacty	7288	Mela styph		7431	Scae a.alb		
2285	Bank s.col	1093	Dodo triqu	2	1571	Hake seric	6345	Mela thymi		3023	Scae ramos		
3	2295	Bank s.spi	4592	Dodo v.vis	5664	Hake t.ter	6381	Micr erico		3030	Schi bifid		
0371	Baue rubio	1096	Dood asper	1596	Hard viola	2176	Micr hexan		3039	Scho apogo			
0397	*Bide pilos	1097	Dood cauda	1626	Heli scorp	2179	Micr s.sti		3041	Scho brevi			
1	4291	Bill s.sca	4616	Drac secun	5731	Hibb a.asp	2181	Micr cilia		3049	Scho melan		
2447	Blec ambig	1109	Dros spatu	5735	Hibb circu	5735	Hibb rubii		2205	Mirb rubii	3057	Scho turbi	
0404	Blec carti	4675	Echi c.cae	5736	Hibb c.cis	5736	Hibb s.spe		6409	Mirb s.spe	7523	*Sene madag	
0408	Blec nudum	1122	Echi ovatu	1666	Hibb diffu	2211	Mitr polym		2211	Mitr polym	7555	Senn odora	
9126	Blec spp.	1132	Eina hasta	5437	Hibb e.emp	2218	Mono ellip		2218	Mono ellip	3133	*Seta graci	
0426	Boro ledif	1137	Elae retic	5749	Hibb nitid	1	2220	Mono scopu	✓	7609	Smil glyci		
0436	Boss ensat	1155	Empo minus	5811	Hove linea	2224	Mori jasmi		3186	Sola prino			
0438	Boss heter	1161	Ento margi	5830	Hydr pedun	6492	Note longi		3231	Spre incar			
4	0439	Boss obcor	3790	Ento stric	1741	Hype gram	6495	Note longi		3261	Stic f.fla		
0440	Boss prost	1	8250	Epac m.mic	1744	*Hype perfo	2282	Note venos		3305	Styl laric		
2624	Boss scolo	4788	Epac pulch	5854	*Hypo radic	6556	Olea micro		7726	Styp l.lae			
2696	Brac d.dap	4791	Epac p.pur	5867	Impe c.maj	6570	Olea visci		7794	Telo speci			
2879	Brun austr	1185	Erag brown	1761	Indi austr	2339	Oper asper		7827	Them austr			
0512	Burc umbel	1187	*Erag curvu	2	5906	Isop anemo	2340	Oper hispi		3406	Tode barba		
0515	Burs s.spi	2	4893	Erio austr	5907	Isop aneth	6580	Opli imbec		3421	Tric elati		
4340	Caes p.min	4923	Euca acmen	1814	Junc conti	9652	Opun spp.		7875	Tric simpl			
0557	Cale major	1243	Euca agglo	1845	Junc usita	2386	Oxaf peren		3458	Tris lauri			
0562	Call citri	4991	Euca crebr	1846	Junc vagin	9662	Oxal spp.		3496	*Verb bonar			
3236	Call linea	5016	Euca eugen	1847	Kenn prost	6630	Ozot diosm		7975	Vern c.cin			
0567	Call subul	5020	Euca fibro	1848	Kenn rubic	6647	Pand p.pan		3512	Vero plebe			
0887	Calo dubia	2	1281	Euca globo	1854	Kunz ambig	2408	Pani simil		3523	Vimi junce		
0609	Caly tetra	5033	Euca haema	3	6004	Lamb formo	2430	*Pasp dilat		8033	Wahl s.str		
4681	Cass glabe	5077	Euca moluc	1873	Lasi f.fer	2	2436	Pate glabr	✓	8049	West longi		
1	4680	Cass glabe	5089	Euca oblon	1874	Lasi macro	1	2438	Pate seric	✓	8061	Wool punge	
3559	Cass pubes	5114	Euca pilul	6013	Lasi parvi	2449	Pell falca		8078	Xant media			
2	0688	Caus flexu	5115	Euca piper	6014	Lasi rufum	2451	*Penn cland		8079	Xant m.min		
3648	Cent asiat	5138	Euca punct	1889	Laxm graci	6754	Pers bargo		3592	Xant pilos			
3690	Cera apeta	5142	Euca racem	1917	Lepi conca	6768	Pers lance		3594	Xant tride			
3692	Cera gummi	5148	Euca r.res	1920	Lepi filif	2	2464	Pers levis	1	8080	Xylo pyrif		
0724	*Cest parqu	5164	Euca scler	1921	Lepi forsy	2465	Pers linea		3605	Zier smith			

1 Perssonia hirsuta - 1 X Acacia echin  
 1 X Lamard gbuca - 1 Xanth diserla



# Vegetation Assessment

**Project #: 4200 – Westcliff**

**Observer:** MR, SEW

**Date:** 27/11/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint:	Easting <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"/>
Location description:	Transect sheet 1	
Photo numbers:		

<b>Topographical features</b>	
Slope	Aspect
Outcropping %	Surface Rock %
Soil Type	Horizon visibility

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species
Upper						
Mid						
Lower						
Ground						
<b>Specht</b>		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	
<b>Mapped community</b>	Exposed Sandstone Scrubby Gum Woodland					
<b>EECs/Threatened Plants</b>						

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

0018	Acac brown	0733	Chei s.sie	5170	Euca sider	1923	Lepi later	6792	Pers pinif	stackh nod
0423	Acac irror	3773	Chlo stoec	1318	Euca siebe	1927	Lepi neesi	6809	Petr pulch	
0489	Acac linif	0755	*Chlo gayan	5187	Euca teret	1930	Lepi uroph	6810	Petr sessi	thra thym
5128	Acac longi	0782	*Cirs vulga	3749	Euch invol	1938	Lept tenax	2500	Phyl gunni	Phyll phili
0056	Acac mearn	0788	Clem arist	1346	Eust latif	1939	Lept acida	2501	Phyl hirte	Phyll phili
0063	Acac myrti	3886	Cono erici	1350	Exoc cupre	1956	Lept conti	2510	*Phyt octan	stylid near
0068	Acac obtus	3887	Cono l.ang	1353	Exoc stric	1953	Lept emarg	4819	Pime l.lin	
0550	Acac parra	0806	Cono taxif	5266	Ficu m.mac	6088	Lept junip	2561	*Plan lance	Pers hirsut
0092	Acac suave	3890	Cono tenui	5336	Gahn asper	1958	Lept lanig	2571	Plat erico	loma glauc
0095	Acac termi	0810	*Cony albid	1387	Gahn clark	6094	Lept morri	6960	Plat linea	hyba mang
0098	Acac ulici	4370	Corr r.ref	1394	Gahn radul	6098	Lept parvi	2575	Plec parvi	
0843	Acro divar	1288	Cory gummi	1404	Gali binif	6105	Lept p.pol	4694	Poa l.lab	lomad
3650	Acti helia	4378	Cras s.sie	5410	Gera s.sol	1950	Lept trine	2395	Podo ilici	
0857	Acti minor	4069	Crot verre	1440	Glei dicar	6121	Lepy scari	7012	Poly calyc	Fluor
0129	Adia aethi	4072	Cryp a.ama	1441	Glei micro	1978	Leuc erico	2655	Poma disco	Hemig
5449	Adia h.his	0899	Cyat djand	1455	Glyc cland	1982	Leuc junip	7043	Poma e.ell	purpur
0888	*Ager adeno	0905	Cymb refra	1457	Glyc tabac	1983	Leuc l.lan	2658	Poma ferru	
0677	Allo litto	0907	Cyno dacty	9417	Gnap spp.	6145	Leuc setig	2673	Poma inter	
5383	Allo torul	0953	Damp purpu	5460	Gomp grand	1995	Leuc virga	2660	Poma lanig	
0206	Ampe x.xip	0958	Damp stric	3748	Gomp incon	2003	*Ligu sinen	4837	Poma p.phy	
4527	*Andr virgi	4246	Darw grand	5461	Gomp minus	2014	Lind linea	2677	Poma umbel	
1345	Ango baker	4270	Davi corym	1486	Gono m.mic	2015	Lind micro	2682	Pora corym	
5389	Ango costa	0995	Davi genis	1489	Gono tetra	6162	Lipa refle	7060	Pora erici	
0231	Anis avena	4429	Davi u.uli	1490	Gono teucr	6168	Liss s.str	7082	Prat purpu	
0237	Aotu erico	4323	Dend speci	1494	Good b.bel	9546	Loga spp.	7121	Pros s.sax	
1589	Aris vagan	4369	Desm rhyti	4543	Good h.hed	4163	Loma cylin	7148	Pseu pimel	
0269	Arth mille	4425	Desm varia	5490	Good h.egl	4709	Loma f.cor	2777	Pter escul	
0304	Astr humif	1027	Dian c.cae	1507	Good ovata	4710	Loma f.fil	7203	Ptil deust	
0305	Astr pinif	4398	Dian c.pro	1514	Good stell	2046	Loma longi	7232	Pult ellip	
1782	Astr latif	4408	Dian r.rev	5525	Grev d.dif	4711	Loma m.tub	2857	Pult linop	
0981	Aust tenui	5797	Dich micra	5567	Grev longi	2048	Loma m.mul	5685	Pult micro	
2156	Back myrti	1036	Dich repen	5573	Grev mucro	6192	Loma obliq	2871	Pult scabr	
2186	Baec imbri	9315	Digi spp.	5580	Grev oleoi	2052	Loma myric	7262	Pult villo	
0355	Baec linif	4476	Dill flori	5583	Grev p.par	6196	Loma silai	2883	Pyrr rupes	
2222	Balo graci	4480	Dill phyli	5596	Grev s.ser	6332	Mela decor	2916	Rapa howit	
0255	Bank e.eri	4481	Dill retor	5603	Grev sphac	6334	Mela erube	7354	*Rubu fruit	
0363	Bank margi	5934	Dill rudis	5631	Haem corym	6338	Mela hyper	2956	Rubu paryi	
2269	Bank oblon	4559	Dodo falca	5632	Haem plani	6341	Mela linar	7426	Saro fasti	
0366	Bank serra	4566	Dodo multi	1562	Hake dacty	7288	Mela styph	7431	Scae a.alb	
2285	Bank s.col	1093	Dodo triqu	1571	Hake seric	6345	Mela thymi	3023	Scae ramos	
2293	Bank s.spi	4592	Dodo v.vis	5664	Hake t.ter	6381	Micr erico	3030	Schi bifid	
0371	Baue rubio	1096	Dood asper	1596	Hard viola	2176	Micr hexan	3039	Scho apogo	
0397	*Bide pilos	1097	Dood cauda	1626	Heli scorp	2179	Micr s.sti	3041	Scho brevi	
4291	Bill s.sca	4616	Drac secun	5731	Hibb a.asp	2181	Micr cilia	3049	Scho melan	
2447	Blec ambig	1109	Dros spatu	5735	Hibb circu	2205	Mirb rubii	3057	Scho turbi	
0404	Blec carti	4675	Echi c.cae	5736	Hibb c.cis	6409	Mirb s.spe	7523	*Sene madag	
0408	Blec nudum	1122	Echi ovatu	1666	Hibb diffu	2211	Mitr polym	7555	Senn odora	
9126	Blec spp.	1132	Eina hasta	5437	Hibb e.emp	2218	Mono ellip	3133	*Seta graci	
0426	Boro ledif	1137	Elae retic	5749	Hibb nitid	2220	Mono scopa	7609	Smil glyci	
0436	Boss ensat	1155	Empo minus	5811	Hove linea	2224	Mori jasmi	3186	Sola prino	
0438	Boss heter	1161	Ento margi	5830	Hydr pedun	6492	Note longi	3231	Spre incar	
0439	Boss obcor	3790	Ento stric	1741	Hype gram	6495	Note longi	3261	Stic f.fla	
0440	Boss prost	5250	Epac m.mic	1744	*Hype perfo	2282	Note venos	3305	Styl laric	
2624	Boss scolo	4788	Epac pulch	5854	*Hypo radic	6556	Olea micro	7726	Styp l.lae	
2696	Brac d.dap	4791	Epac p.pur	5867	Impe c.maj	6570	Olea visci	7794	Telo speci	
2879	Brun austr	1185	Erag brown	1761	Indi austr	2339	Oper asper	7827	Them austr	
0512	Burc umbel	1187	*Erag curvu	5906	Isop anemo	2340	Oper hispi	3406	Tode barba	
0515	Burs s.spi	4893	Erio austr	5907	Isop aneth	6580	Opli imbec	3421	Tric elati	
4340	Caes p.min	4923	Euca acmen	1814	Junc conti	9652	Opun spp.	7875	Tric simpl	
0557	Cale major	1243	Euca agglo	1845	Junc usita	2386	Oxal peren	3458	Tris lauri	
0562	Call citri	4991	Euca crebr	1846	Junc vagin	9662	Oxal spp.	3496	*Verb bonar	
3236	Call linea	5016	Euca eugen	1847	Kenn prost	6630	Ozot diosm	7975	Vern c.cin	
0567	Call subul	5020	Euca fibro	1848	Kenn rubic	6647	Pand p.pan	3512	Vero plebe	
0887	Calo dubia	1281	Euca globo	1854	Kunz ambig	2408	Pani simil	3523	Vimi junce	
0609	Caly tetra	5033	Euca haema	6002	Lamb formo	2430	*Pasp dilat	8033	Wahl s.str	
4681	Cass glabe	5077	Euca moluc	1873	Lasi f.fer	2436	Pate glabr	8049	West longi	
4680	Cass glabe	5089	Euca oblon	1874	Lasi macro	2438	Pate seric	8061	Wool punge	
3559	Cass pubes	5114	Euca pilul	6013	Lasi parvi	2449	Pell falca	8078	Xant media	
0688	Caus flexu	5115	Euca piper	6014	Lasi rufum	2451	*Penn cland	8079	Xant m.min	
3648	Cent asiat	5138	Euca punct	1889	Laxm graci	6754	Pers bargo	3592	Xant pilos	
3690	Cera apeta	5142	Euca racem	1917	Lepi conca	6768	Pers lance	3594	Xant tride	
3692	Cera gummi	5148	Euca r.res	1920	Lepi filif	2464	Pers levis	8089	Xylo pyrif	
0724	*Cest parqu	5164	Euca scler	1921	Lepi forsy	2465	Pers linea	3605	Zier smith	

stackh viminea



# Vegetation Assessment

Project #: 4200 – Westcliff

Observer: NS &amp; BS

Date: 27/11/06

<b>Location</b>	<b>Note:</b> Easting and Northing is Mandatory for FIS	
Waypoint: Wp001	Easting <input type="text" value="2"/> <input type="text" value="9"/> <input type="text" value="9"/> <input type="text" value="0"/> <input type="text" value="2"/> <input type="text" value="1"/>	Northing <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="1"/> <input type="text" value="1"/> <input type="text" value="6"/> <input type="text" value="4"/> <input type="text" value="5"/>
Location description: <i>Nearby. WP PHO</i> <i>Quadrat Bearing North-South 400m<sup>2</sup></i>		
Photo numbers:		

<b>Topographical features</b>	
Slope <input type="text" value="0"/>	Aspect -
Outcropping % <input type="text" value="0"/>	Surface Rock % -
Soil Type <i>Sandy loam</i>	Horizon visibility -

Strata	Form	Lower Height	Upper Height	PFC	Cond	Dominant Species	
Upper	Trees	12	15	25	9	<i>Euc. haem. Cory. gum.</i>	
Mid	Small Trees	8	10	35	9	" "	
Lower	Shrubs	1.5	3.0	60	9	<i>B. eric. B. marg. lept. trin.</i> <i>Leptomeria auctora</i>	
Ground	GLs, sedge & sedges	0	0.5	35	9	<i>Cyathochaeta dand.</i> <i>Amisopogon, Ross spp.</i>	
<b>Specht</b>	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
<b>Mapped community</b>	<i>Exposed Scrub Gum Woodland</i>						
<b>EECs/Threatened Plants</b>	<i>Pot. habitat for <i>O.P. hirsuta</i></i>						

<b>General Habitat Description and comments</b>
Fire History: <i>75 ya</i>
Disturbance: <i>Grazing, Roads, Powerlines, Erosion. Nil, Coal Dkt.</i>
Ajacent land: <i>Cleared, Residential, Scattered Trees, Uncleared, Riparian vegetation</i>
RESILIENCE (Natural Soil Profile) <i>Good</i> , Moderate, Poor, Very Poor/native pasture
RESILIENCE (Disturbed Soil Profile) – <i>Permanently altered, Reveg area, Open space/exotic pasture</i>
Weeds and Weed Density: <i>Nil</i>

0018	Acac brown	0733	Chei s.sie	5170	Euca sider	1923	Lepi later	6792	Pers pinif 3
0423	Acac irror	3773	Chlo stoe	1318	Euca siebe 1	1927	Lepi neesi	6809	Petr pulch
0489	Acac linif	0755	*Chlo gayan	5187	Euca teret	1930	Lepi uroph 1	6810	Petr sessi 3
5128	Acac longi	0782	*Cirs vulga	3749	Euch invol	1938	Lept tenax 4	2500	Phyl gunni
0056	Acac mearn	0788	Clem arist	1346	Eust latif	1939	Lept acida 3	2501	Phyl hirte
0063	Acac myrti	3886	Cono erici	1350	Exoc cupre	1956	Lept conti	2510	*Phyt octan
0068	Acac obtus	3887	Cono l.ang	1353	Exoc stric	1953	Lept emarg	4819	Pime l.lin 2
0550	Acac parra	0806	Cono taxif	5266	Ficu m.mac	6088	Lept junip	2561	*Plan lance
0092	Acac suave	3890	Cono tenui	5336	Gahn asper	1958	Lept lanig	2571	Plat erico
0095	Acac termi	0810	*Cony albid	1387	Gahn clark	6094	Lept morri	6960	Plat linea 1
0098	Acac ulici	4370	Corr r.ref	1394	Gahn radul	6098	Lept parvi	2575	Plec parvi
0843	Acro divar	1288	Cory gummi 4	1404	Gali binif	6105	Lept p.pol	4694	Poa l.lab
3650	Acti helia	4378	Cras s.sie	5410	Gera s.sol	1950	Lept trine 5	2395	Podo ilici
0857	Acti minor 3	4069	Crot verre	1440	Glei dicar	6121	Lepy scari	7012	Poly calyc
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2285	Bank s.col	1093	Dodo triqu	1571	Hake seric 2	6345	Mela thymi	3023	Scae ramos
2295	Bank s.spi 2	4592	Dodo v.vis	5664	Hake t.ter	6381	Micr erico	3030	Schi bifid
0371	Baue rubio	1096	Dood asper	1596	Hard viola	2176	Micr hexan	3039	Scho apogo 2
0397	*Bide pilos	1097	Dood cauda	1626	Heli scorp	2179	Micr s.sti	3041	Scho brevi
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0408	Blec nudum	1122	Echi ovatu	1666	Hibb diffu	2211	Mitr polym 2	7555	Senn odora
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0426	Boro ledif	1137	Elae retic	5749	Hibb nitid	2220	Mono scopu 2	7609	Smil glyci
0436	Boss ensat	1155	Empo minus	5811	Hove linea 1	2224	Mori jasmi	3186	Sola prino
0438	Boss heter 3	1161	Ento margi	5830	Hydr pedun	6492	Note longi	3231	Spre incar
0439	Boss obcor 3	3790	Ento stric	1741	Hype gram	6495	Note longi	3261	Stic f.fla
0440	Boss prost	5250	Epac m.mic	1744	*Hype perfo	2282	Note venos	3305	Styl laric
2624	Boss scolo 3	4788	Epac pulch	5854	*Hypo radic	6556	Olea micro	7726	Styp l.lae
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0609	Caly tetra	5033	Euca haema 4	6004	Lamb formo 2	2430	*Pasp dilat	8033	Wahl s.str
4681	Cass glabe 1	5077	Euca moluc	1873	Lasi f.fer	2436	Pate glabr	8049	West longi
4680	Cass glabe	5089	Euca oblon 2	1874	Lasi macro	2438	Pate seric	8061	Wool punge
3559	Cass pubes 3	5114	Euca pilul	6013	Lasi parvi	2449	Pell falca	8078	Xant media 2
0688	Caus flexu 2	5115	Euca piper	6014	Lasi rufum	2451	*Penn cland	8079	Xant m.min
3648	Cent asiat	5138	Euca punct	1889	Laxm graci	6754	Pers bargo	3592	Xant pilos
3690	Cera apeta	5142	Euca racem	1917	Lepi conca	6768	Pers lance 2	3594	Xant tride
3692	Cera gummi	5148	Euca r.res	1920	Lepi filif	2464	Pers levis	8089	Xylo pyrif
0724	*Cest parqu	5164	Euca scler	1921	Lepi forsy	2465	Pers linea	3605	Zier smith

Acacia ulicifolia 1

Hemip. purp. 3  
Hibb riparia 3  
Leuc. micro. 2  
Hybanth. mon. 1

Schoenus turbinatus 2  
Styph. triflora 1