



Christmas Hills Landcare Group

Rare orchid search 2014



This project was funded by the **Victorian Landcare Program** through the **Port Phillip and Westernport CMA Community Grants**

Orchids in Christmas Hills

Christmas Hills is blessed with natural assets. Approximately 1470Ha (over 50%) of the Christmas Hills Landcare group area still retains high quality remnant native vegetation - predominantly the EVCs Grassy Dry Forest and Herb-rich Foothill Forest, but also significant remnants of the EVC 'Valley Grassy Forest' and small patches of the EVC Box Ironbark Forest. The remnant native vegetation on private land is well connected to remnant vegetation in Kinglake National Park, Sugarloaf Reserve and One Tree Hill Reserve that together forms part of a major habitat link between Kinglake NP and Warrandyte State Park.

In September 2013, Gary Backhouse (co-author *The Orchids of Victoria*) presented to the group on the "Orchids of Christmas Hills". Following this, Gary indicated to the CHLG that, based on suitable habitat and known occurrences nearby, he believes there are two FFG-listed (also EPBC-listed) species of orchid, and another 5 orchid species listed in the DSE Advisory List of Rare or Threatened Plants in Victoria (2005), that have a realistic chance of occurring on private land in Christmas Hills. The species are: *Caladenia rosella*, *C. amoena*, *C. oenochila*, *Corybas fimbriatus*, *Prasophyllum pyriforme*, *Pterostylis striata*, and *Pt. smaragdina*.

As a result this project was formulated, and funding sought from the Victorian Landcare Program via the PPWCMA Community Grants program.

The rare orchid search project

The project aimed to detect and record the locations of any new populations of one or more of the identified target species on 28 private properties for which the landholders had submitted an Eol granting permission for an orchid expert to come onto their property to survey for orchids during 2014.

Other components of the project aimed to afford any discovered populations immediate protection from grazing by rabbits, macropods, and deer, skill up landholders in Christmas Hills to provide ongoing management of native orchid populations that occur on their properties, and improve the capacity of Christmas Hills landholders to find and identify orchids themselves.

Through a recruitment agency (Hays Personnel) the CHLG engaged the services (as a temp) of Dr Dean Rouse, a skilled and respected orchid expert, to search for the target orchid species on 28 properties covering 461 hectares.

Following initial discussions with Dr Rouse, the list of target species to search for was expanded to 11 species:

<i>Caladenia amoena</i>	<i>Corybas fimbriatus</i>
<i>Caladenia concolor</i>	<i>Prasophyllum pyriforme</i>
<i>Caladenia flavovirens</i>	<i>Pterostylis biseta</i>
<i>Caladenia oenochila</i>	<i>Pterostylis smaragdina</i>
<i>Caladenia rosella</i>	<i>Pterostylis striata</i>
<i>Calochilus therophilus</i>	

Orchid search methods

The searching was conducted during 2014 over three separate periods during 2014 - June; August/September; and October, based on Dr Rouse's knowledge of each species' flowering times and preferred habitat to optimise efficient use of time and likelihood of discovery.

Dr Rouse searched for evidence of the presence of the target orchid species by traversing on foot all areas of each species' preferred habitat on each of the properties listed below.

When evidence of any target species, or other notable occurrences, was discovered, Dr Rouse photographed the evidence and electronically recorded its location using a GPS device.

Dr Rouse also recorded the names of all species of orchids observed incidentally whilst searching for the target species on each property so that an individual species list for each property could be provided to each participating landholder.

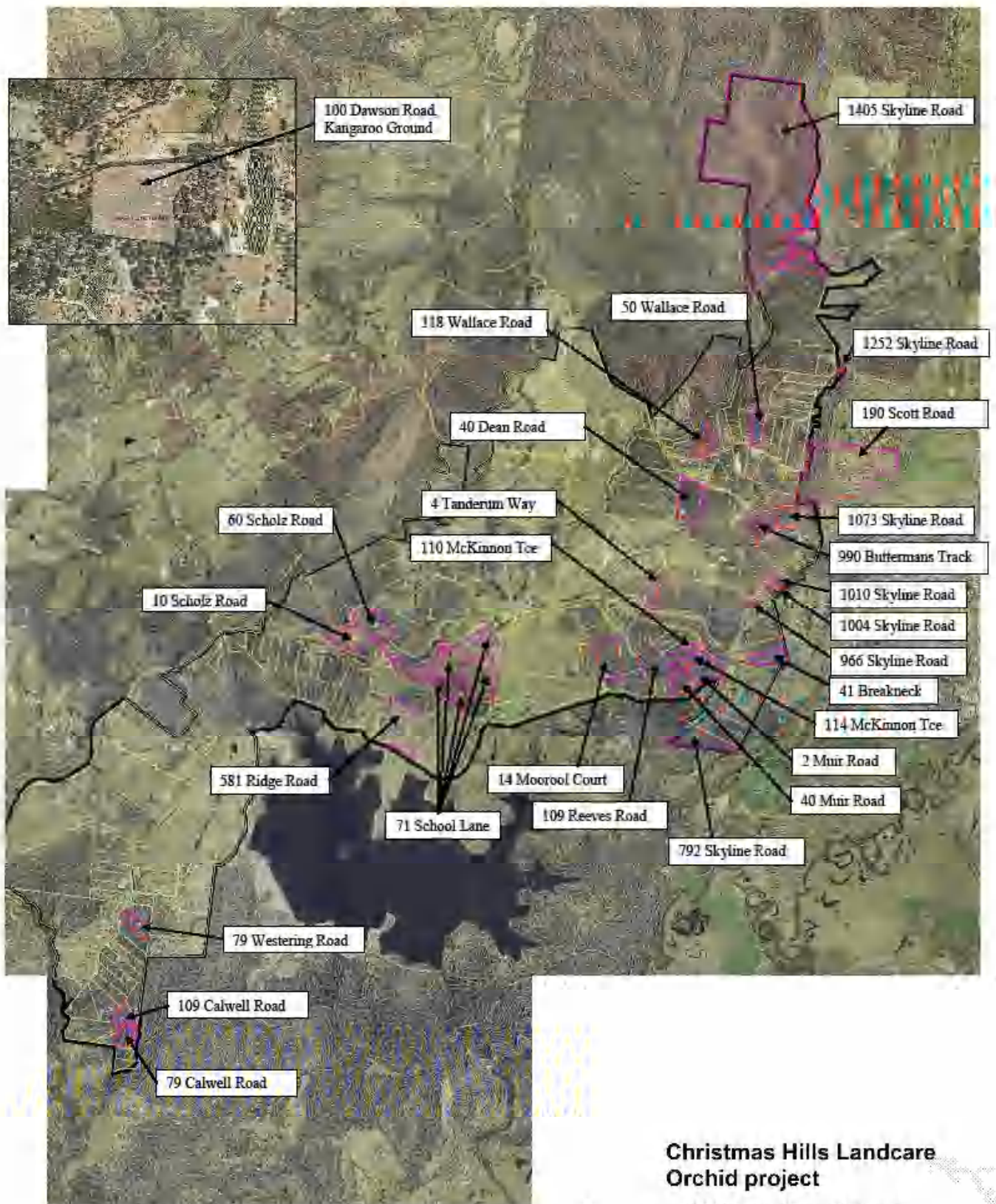
Participating properties

Property address	Owner's name	Property size (ha)
41 Breakneck Rd	Kevin and Margo Heeley	4.4
990 Buttermans Track	Peter Benda and Sonja Pedell	4.7
79 Calwell Rd	Colin and Eva Tyssen	3.7
109 Calwell Rd	Name withheld	3.6
100 Dawson Rd	Warwick and Carol Leeson	12.1
40 Dean Rd	Doug Evans and Pip Charlton	10.3
114 McKinnon Tce	Nicole Noy and Ross Coupar	3.2
110 McKinnon Tce	John and Sally Stasytis	3.2
14 Moorool Crt	Rod and Kay Armstrong, L&T Campbell	8.1
2 Muir Rd	Tom Browning	6.8
40 Muir Rd	Paul Danelutti	5.4
109 Reeves Rd	Mark Gardner and Kylie Moppert	8.6
581 Ridge Rd	Astrid Burt	14.8
60 Scholz Road	Sally Corrigan	8.1
10 Scholz Road	John and Moira Robertson	8.1
71 School Lane	Veronica Holland	42.5
190 Scott Rd, Yarra Glen	Helen and Barry Richards	47.3
1004 Skyline Rd	Roger and Neroli Merridew	0.4
1252 Skyline Rd	Rhys Morgan and Sarah Hammond	0.4
1073 Skyline Rd	Phil Styles and Jan Cranwell	4.1
792 Skyline Rd	Garry and Mandy Lovell	10.6
966 Skyline Rd	Kaye and Hugh McRae	0.7
1010 Skyline Rd	Jackie Hamlet	2
1405 Skyline Rd	David Lang and Joan Stephens	230
4 Tanderum Way	Chris and Tina Keene	5.7
50 Wallace Rd	Neville Ragg	4
118 Wallace Rd	Ray and Di Marsh	4.6
79 Westering Rd	Peter and Liz Laver	4

Management recommendations

Dr Rouse was also asked to make recommendations on any specific priority locations that he identified as needing additional protection to what is currently happening (eg in the form of fencing, caging, targeted weed control, or some other form of management)

Finally, Dr Rouse was also asked to provide his views on any specific sites/properties that he thinks provide suitable habitat, and therefore a potential host site, for the possible re-introduction of *Caladenia rosella*, *C. oenochila*, *Pterostylis smaragdina*, or *Pt. plumose*, as these species are being propagated by the Royal Botanic Gardens as part of the Nillumbik Conservation Corridors project (a Communities for Nature project that the CHLG is involved in)



Christmas Hills Landcare Orchid project

2013 Expressions of interest

<all other values>

Orchids13

Y

CHLGboundaryprivateonly

EL_CONTOUR



0.50.25 0 0.5 Kilometers



CHLG Orchid Survey June:

Property address: 41 Breakneck Rd

Date: 17/6/2014 **Hectares:** 4.4 **Search time:** 1hr

Owners name: Kevin & Margo Heeley

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdyna* and *Pterostylis striata*) observed: None

Vegetation assessment: Dry open mainly box forest, understorey sparse with a previous grazing history. Old road reserve probably is probably best potential orchid area.

Habitat potential: Habitat unlikely to contain target species, likely species number around 4-8.

Species seen: *Thelymitra* (leaves), *Pterostylis nutans* (buds) and possible *Microtis* (leaves).

Property address: 990 Buttermans Rd

Date: 16/6/2014 **Hectares:** 4.7 **Search time:** 1hr

Owners name: Peter Benda & Sonja Pedell

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdyna* and *Pterostylis striata*) observed: None

Vegetation assessment: Mainly wettish forest, with small area of grassy box woodland on ridge at northern edge of property.



Habitat potential: Small region in NW section of property has habitat which could support target species *Caladenia oenochila* and *Pterostylis smaragdyna*. Likely to be 15 plus species.

Species seen: *Corunastylis despectans* (finished, photo below), *Pterostylis parviflora* (finishing), *Pterostylis melagramma* (buds), *Pterostylis nutans* (buds) and *Dipodium* (last years stalk).



Property address: 79 Calwell Rd

Date: 18/6/2014 **Hectares:** 3.7 **Search time:** 1hr

Owners name: Colin & Eva Tyssen

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Mainly wettish swamp gum woodland with some stringybark woodland on higher eastern edge of property.



Swamp gum woodland

Habitat potential: Unlikely to have target species. Best orchid area in NE corner of property probably around 10 plus species.

Species seen: *Pterostylis* (leaves), *Thelymitra* (leaves), *Cyanicula* (leaves), *Glossodia* or *Arachnorchis* (leaf) and *Pterostylis melagramma* (bud).

Property address: 109 Calwell Rd

Date: 18/6/2014 **Hectares:** 3.6 **Search time:** 1hr

Owners name: Name withheld

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Wettish swamp gum western section with



Stringybark/box woodlands in eastern section.

Habitat potential: Habitat unlikely to contain target species, likely species number around 10 plus, with best area in eastern section (photo below).

Species seen: *Thelymitra* (leaves), *Pterostylis nutans* (buds), *Glossodia* (leaves) and *Pterostylis melagramma* (buds).

Note:

MMBW Ridge line to immediate east of Calwell Rd properties has potential habitat for *Caladenia oenochila*, *Caladenia amoena*, *Caladenia rosella* and *Pterostylis smaragdina*.



MMBW Land

Species seen: *Corunastylis despectans* (finished) and *Arachnorchis* (leaves).

Property address: 100 Dawson Rd

Date: 18/6/2014 **Hectares:** 12.1 **Search time:** 1hr

Owners name: Warwick Leeson

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Dry open sparse red box SW section, wettish swamp gum with *Bursaria* central section (see photo below). Stringybark/box north section.



Habitat potential: Habitat unlikely to contain target species, likely species number around 12 plus. Best orchid area in north section of property.

Species seen: *Thelymitra* (leaves), *Pterostylis nutans*, *curta* & *pedunculata* (buds), *Eriochilus* (leaves) and *Corybas* (leaves, waypoint 6).

Property address: 40 Dean Rd

Date: 21/6/2014 **Hectares:** 10.3 **Search time:** 1hr

Owners name: Doug Evans & Pip Charlton

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Dry open stringybark/box forest in northern and southern section with wetter central gully.

Habitat potential: Northern section of property particularly has habitat which could support target species *Caladenia oenochila* and *Pterostylis smaragdina*, likely species number 20 plus.

Species seen: *Acianthus pusillus* (flower), *Pterostylis parviflora* (flower), *Corunastylis despectans* (finished), *Corybas* (leaves), *Thelymitra* (leaves), *Pterostylis nutans*, *pedunculata* (buds), *Leptoceras* (leaves), *Glossodia/Arachnorchis* (leaves) and *Dipodium* (dead stalk).

Property address: 114 McKinnon Tce

Date: 17/6/2014 **Hectares:** 3.2 **Search time:** 1hr

Owners name: Nicole Noy & Ross Coupar

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Dry open grassy box forest southern section (see photo below), wettish swamp gum central area with house/garden site in north section.



Habitat potential: Southern section of property particularly has habitat which could support target species *Caladenia oenochila* and *Pterostylis smaragdina*, likely species number 15 plus.

Species seen: *Pterostylis parviflora* (flower), *Corunastylis despectans* (finished), *Thelymitra* (leaves), *Pterostylis melagramma* (buds) and *Glossodia/Arachnorchis* (leaves).

Property address: 110 McKinnon Tce

Date: 17/6/2014 **Hectares:** 3.2 **Search time:** 1hr

Owners name: John & Sally Stasytis

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Mainly wettish swamp gum forest with stringybark/box lower ridge in SE section.

Habitat potential: SE section of property has a small region of habitat which could support target species *Caladenia oenochila* and *Pterostylis smaragdina*, likely species number 15 plus.

Species seen: *Pterostylis parviflora* (flower), *Thelymitra* (leaves), *Pterostylis melagramma*, *nutans* (buds), *Eriochilus* (leaf, photo below), *Caladenia* (leaves) and

Glossodia/Arachnorchis (leaves, probably *Arachnorchis* leaves growing in an unusual location under thick *Kunzea* waypoint 3).



Property address: 14 Moorool Crt

Date: 19/6/2014 **Hectares:** 8.1 **Search time:** 1hr

Owners name: Rod & Kay Armstrong

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Red box woodland with sparse damaged understorey on upper slopes (see photo below), swamp gum with thick *Kunzea* in gully, good wombat burrow complex east of dam.



Habitat potential: Habitat unlikely to contain target species, likely species number around 2-5.

Species seen: *Thelymitra* (leaves).

Property address: 2 Muir Rd

Date: 17/6/2014 **Hectares:** 6.8 **Search time:** 1hr

Owners name: Tom Browning

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Ridgelines with high quality box/stringybark forest (see photo below) with swamp gum forest with thick *Kunzea* understorey in gullies.

Habitat potential: Central and western ridge particularly has habitat which could support target species *Caladenia oenochila* and *Pterostylis smaragdina*, likely species number 20 plus.

Species seen *Pterostylis parviflora* (flower, photo below), *Thelymitra* (leaves), *Pterostylis melagramma*, *nutans* (buds), *Eriochilus* (leaf), *Corunastylis despectans* (finished) and *Glossodia/Arachnorchis* (leaves).



Other plants: Good population of *Pomaderris vaccinifolia* near letter box, smaller colony in western section of property.



Property address: 40 Muir Rd

Date: 17/6/2014 **Hectares:** 5.4 **Search time:** 1hr

Owners name: Paul Danelutti

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Dry open box forest ridge non-grassy (see photo below), with swamp gum with thick *Kunzea* gully.

Habitat potential: Habitat unlikely to contain target species, likely species number 12 plus.

Species seen: *Thelymitra* (leaves), *Caladenia* (leaf), *Pterostylis nutans* (buds) and *Corunastylis despectans* (finished).



Other species: *Pomaderris vaccinifolia* plant (in photo above, waypoint 5) with two more mature plants with numerous seedlings in gully (waypoint 6).

Property address: 109 Reeves Rd

Date: 19/6/2014 **Hectares:** 8.6 **Search time:** 1hr

Owners name: Mark Gardner & Kylie Moppert

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Dry open grassy box forest western ridge more sparse understorey eastern ridge with wet swamp gum central gully with *Kunzea* thickets.

Habitat potential: Western ridge particularly has habitat which could support target species *Caladenia oenochila* and *Pterostylis smaragdina*, likely species number 15 plus.

Species seen: *Thelymitra* (leaves), *Pterostylis melagramma*, *nutans* (buds) and *Glossodia/Arachnorchis* (leaves).

Property address: 581 Ridge Rd

Date:25/6/2014 **Hectares:**14.8 **Search time:**1hr

Owners name: Astrid Burt

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Farmland

Habitat potential: No potential for orchids.

Species seen: None

MMBW land (opp. gate 14) aprox. 1.5k west of property surveyed instead, on advice from Astrid Burt that it is good ridgeline vegetation.

Vegetation assessment: High quality Box/ironbark/stringybark open woodland (see photo below).



Habitat potential: Has habitat that could support *Caladenia oenochila*, *Caladenia amoena*, *Caladenia rosella* and *Pterostylis smaragdina*.

Species seen: *Pterostylis parviflora* (flower), *Pterostylis melagramma* (bud), *Thelymitra* (leaves), *Pterostylis nutans*, *pedunculata* (buds), *Glossodia/Arachnorchis* (leaves) and *Caladenia* (leaves).



MMBW Conservation area (rehabilitation) sign and fence blocking previous off road damage to site.

Property address: 60 Scholz Rd

Date:25/6/2014 **Hectares:**8.1 **Search time:**1hr

Owners name: Sally Corrigan

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Area of dry grassy stringybark/box forest (photo below) at NE end of property, mainly thick *Kunzea* thickets.



Habitat potential: Habitat unlikely to contain target species, best area grassy stringybark/box forest, likely species number around 8 plus.

Species seen: *Thelymitra* (leaves), *Pterostylis* (leaf), *Caladenia* (leaf) and *Glossodia* (leaves).

Property address: 10 Scholz Rd

Date:25/6/2014 **Hectares:**8.1 **Search time:**1hr

Owners name: John Robertson

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Area of dry grassy stringybark forest at SE section of property, grassy slashed region and some thick Kunzea thickets.



Habitat potential: Habitat unlikely to contain target species, best area grassy stringy bark forest in SE section, likely species number around 8 plus.

Species seen: *Thelymitra* (leaves) and *Glossodia* (leaves).

Property address: 71 School Ln

Date:25/6/2014 **Hectares:**42.5 **Search time:**1hr

Owners name: Veronica Holland

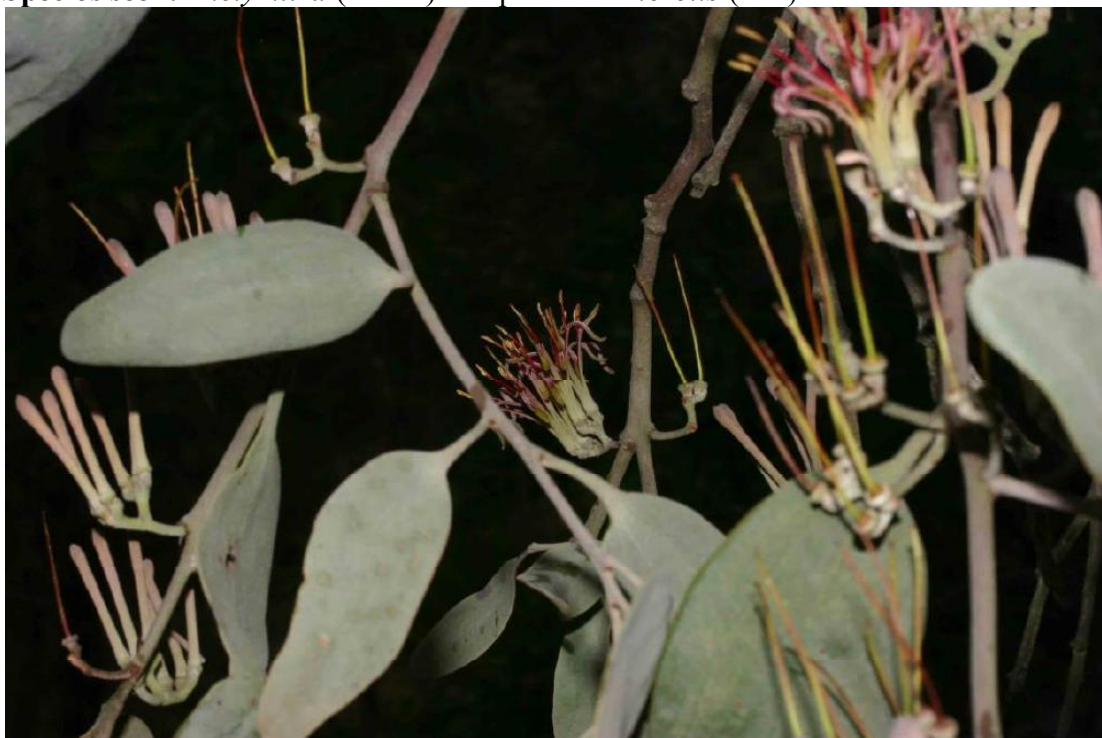
Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Box forest on SE Ridge with some grazing history (see photo below), rest mainly Kunzea thickets and pasture.



Habitat potential: Habitat unlikely to contain target species, likely species number around 2-5.

Species seen: *Thelymitra* (leaves) and possible *Microtis* (leaf).



Grey Mistletoe (*A. quandang*) flowering on a Blackwood at 71 School Ln.

Property address: 190 Scott Rd

Date:26/6/2014 **Hectares:**47.3 **Search time:**1hr

Owners name: Helen Richards

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Recently burnt stringybark/messmate forest with thick Eucalypt, Acacia and Cassinia regrowth (see below).



Habitat potential: Habitat unlikely to contain target species, likely species number around 2-4. Before fires 10 species recorded (see H. Richards list below).

Species seen: *Thelymitra* (leaf).

H. Richards pre-fire list:

Caladenia carnea, *Caladenia moschata*, *Caladenia phaeclavia*, *Chiloglottis valida*, *Dipodium roseum*, *Glossodia major*, *Pterostylis alpina*, *Pterostylis melagramma*, *Pterostylis pedunculata* and *Thelymitra pauciflora* sl

Property address: 1004 Skyline Rd

Date: 16/6/2014 **Hectares:** 0.4 **Search time:** 0.5hr

Owners name: Neroli And Roger Merridew

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Grassy wet messmate forest (see photo below) with some past disturbance history.



Habitat potential: Habitat unlikely to contain target species, likely species number around 1-3.

Species seen: None.

Property address: 1252 Skyline Rd

Date: 26/6/2014 **Hectares:** 0.4 **Search time:** 0.5hr

Owners name: Rhys Morgan & Sarah Hammond

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Recently burnt stringybark/messmate forest with thick Eucalypt, Acacia and Cassinia regrowth (see below).



Habitat potential: Habitat unlikely to contain target species, likely species number around 2-4, probably double that pre-fire.

Species seen: None.

North of property area more open with some areas not as heavily burnt, this area seems better for orchids.





Leaves of a rufa group greenhood (most likely *Pt. squamatus*) in open woodland above pull over area shown in previous photo.

Property address: 1073 Skyline Rd

Date: 16/6/2014 **Hectares:** 4.1 **Search time:** 1hr

Owners name: Phil Stynes & Jan Cranwell

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) **observed:** None

Vegetation assessment: Wettish stringybark/box forest (see photo below) at northern end, majority under pasture.



Habitat potential: Habitat unlikely to contain target species, likely species number around 4-8.

Species seen: *Pterostylis nutans* & *melagramma* (buds).

Property address: 792 Skyline Rd

Date: 17/6/2014 **Hectares:** 10.6 **Search time:** 1hr

Owners name: Garry & Mandy Lovell

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) **observed:** None

Vegetation assessment: Dry open grassy box forest in western section, wettish stringybark/messmate in eastern/southern sections (see photo below).



Habitat potential: Western section of property has habitat which could support target species *Caladenia oenochila* and *Pterostylis smaragdina* , likely species number 15 plus.
Species seen: *Pterostylis parviflora* (flower, see patch below), *Thelymitra* (leaves), *Pterostylis nutans*, *melagramma* (buds), *Glossodia/Arachnorchis* (leaves) and *Dipodium* (dead stalk).



Property address: 966 Skyline Rd

Date: 16/6/2014 **Hectares:** 0.4 **Search time:** 0.5hr

Owners name: Kaye & Hugh McRae

Note: Property listed not done instead property across the road surveyed.

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Dry open grassy box forest.

Habitat potential: Good potential habitat for *Caladenia oenochila* and *Pterostylis smaragdina*, while dry higher sections of NW facing ridge could potentially support *Caladenia rosella*, likely species number 20 plus.

Species seen: *Pterostylis parviflora* (flower), *Corunastylis despectans* (finished), *Thelymitra* (leaves), *Pterostylis nutans*, *melagramma* (buds), *Glossodia/Arachnorchis* (leaves) and *Dipodium* (dead stalk).

Kaye McRae observed a plant of *Caladenia congesta* at waypoint 2 in 2012 (photo below). Also a plant of *Pt. smaragdina* may have been seen on this property? though background fencing in photo supplied (see 2nd photo below) suggests possibly taken at a NCR reserve?.



Property address: 1010 Skyline Rd

Date: 16/6/2014 **Hectares:** 2.0 **Search time:** 1hr

Owners name: Jackie Hamlet

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) **observed:** None

Vegetation assessment: Grassy wet messmate forest (see photo below) with some past disturbance history.



Habitat potential: Habitat unlikely to contain target species, likely species number around 4-6.

Species seen: *Pterostylis nutans*, *melagramma* (buds) and *Dipodium* (dead stalk).

Property address: 1405 Skyline Rd

Date: 27/6/2014 **Hectares:** 230 **Search time:** 3hr

Owners name: David Lang and Joan Stephens

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) **observed:** None

Vegetation assessment: Wide range of vegetation from wet gullies to dry ridges (see photo below). All burnt in fires and under often thick regrowth.



Habitat potential: Orchid numbers appear best where was fire less severe and regrowth less closed. Northern ridge has habitat with potential for *Caladenia concolor* and *Prasophyllum pyriforme*. Probably 20 plus species now and 30 plus before the fires.

Species seen: *Pterostylis parviflora* (flower), *Thelymitra* (leaves), *Pterostylis nutan* (buds), *Leptoceras* (leaves, waypoint 9), *Glossodia* (leaves), possible *Prasophyllum* (leaf) and *Dipodium* (dead stalk).

Notes: Joan Stephens listed striped greenhoods as occurring on north ridge (vicinity of waypoints 7-8). Unfortunately no sign of any greenhoods in the fire regrowth (colony forming greenhoods known to respond poorly to fires and subsequent regrowth period). Also some damage in this area by neighbours bulldozing.

Property address: 4 Tanderum Way

Date: 19/6/2014 **Hectares:** 5.7 **Search time:** 1hr

Owners name: Chris & Tina Keene

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) **observed:** None

Vegetation assessment: SE corner some box regrowth, odd redgum along creekline all with grazing history (see photo below), rest pasture. Back paddock and adjoining bush block have a good diversity of macro-fungi.



Habitat potential: Habitat unlikely to contain target species, likely species number around 1-3.

Species seen: *Thelymitra* (leaves).

Property address: 50 Wallace Rd

Date:26/6/2014 **Hectares:**4.0 **Search time:**1hr

Owners name: Neville Ragg

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Dry open mainly box forest (see below), swamp gum gully. A lot of regrowth following fires.



Habitat potential: Southern section of property particularly has habitat which could support target species *Caladenia oenochila* and *Pterostylis smaragdina* , likely species number 15 plus. Unfortunately it appears that orchid diversity has probably decreased at this site due to fires and subsequent regrowth, suspect site was probably 20 plus potential before fires

Species seen: *Corunastylis despectans* (finished), *Thelymitra* (leaves), *Pterostylis nutans* (buds), *Glossodia/Arachnorchis* (leaves) and *Microtis* (leaf).

Property address: 118 Wallace Rd

Date:26/6/2014 **Hectares:**4.6 **Search time:**1hr

Owners name: Ray & Di Marsh

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) **observed:** None

Vegetation assessment: Dry open grassy stringybark/box forest (see photo below).



Habitat potential: Property has habitat which could support target species *Caladenia oenochila* and *Pterostylis smaragdina* , likely species number 20 plus.

Species seen: *Pterostylis parviflora* (flower), *Corunastylis despectans* (finished), *Thelymitra* (leaves), *Pterostylis nutans*, *melagramma* (buds), *Caladenia* (leaf), *Glossodia/Arachnorchis* (leaves) and *Dipodium* (dead stalk).

Property address: 79 Westering Rd

Date:18/6/2014 **Hectares:**4.0 **Search time:**1hr

Owners name: Peter & Liz Laver

Target orchid species (*Corybas fimbriatus*, *Pterostylis smaragdina* and *Pterostylis striata*) observed: None

Vegetation assessment: Dry open grassy stringybark/box forest (see photo below), with wettish swamp gum with *Kunzea* understorey in gully.

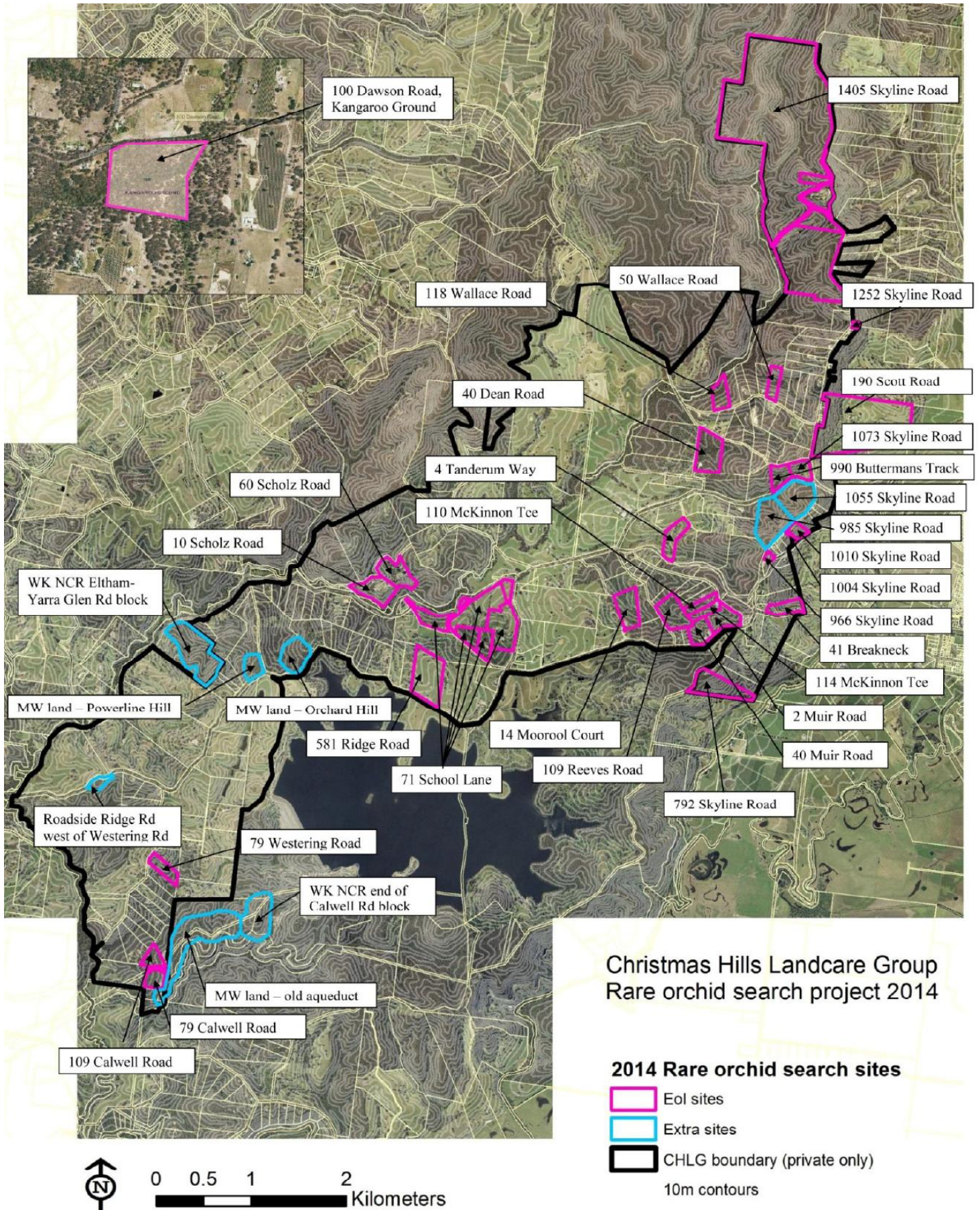


Habitat potential: Property has habitat which could support target species *Caladenia oenochila* and *Pterostylis smaragdina* , likely species number 20 plus.

Species seen: *Acianthus pusillus* (flowers. photo below), *Thelymitra* (leaves), *Pterostylis concinna*, *nutans*, *melagramma* (buds)and *Glossodia/Arachnorchis* (leaves).



2014 Rare orchid search – sites searched



Individual property orchid species lists

Nomenclature:

Taxonomic names used follows Jeanes & Backhouse, 2006 “Wild Orchids of Victoria , Australia” as it is the most recent comprehensive reference book on the subject. A few minor taxonomic deviations have been made in with *Calochilus gracillimus* (Jeanes & Backhouse, 2006) now *Calochilus therophilus*, *Pterostylis* sp. aff. *parviflora* (Jeanes & Backhouse, 2006) now *Pterostylis rubescens*, *Pterostylis* sp. aff. *revoluta* (Jeanes & Backhouse, 2006) listed as *Pterostylis revoluta* and *Pterostylis* sp. aff. *plumosa* (Jeanes & Backhouse, 2006) listed as *Pterostylis plumosa*. Also a more liberal view of named hybrids has been taken with parental combinations which produce progeny of similar morphology all listed under the one name.

Private Property Sites

41 Breakneck Rd:

Site Visited: 17/6/2014; 22/9/2014 & 24/10/2014.

Orchid List:

Caladenia carnea – Pink Fingers

Calochilus robertsonii – Purplish Beard-orchid

Dipodium roseum (Bud) – Rosy Hyacinth-orchid

Microtis sp. (Leaf) – Onion-orchid

Pterostylis nutans – Nodding Greenhood

Pterostylis pedunculata – Maroonhood

Thelymitra brevifolia – Peppertop Sun-orchid

Thelymitra pauciflora – Slender Sun-orchid

Total Native Orchid Species Seen On Property: 8 species

990 Buttermans Track:

Site Visited: 16/6/2014; 28/8/2014; 15/9/2014 & 21/10/2014.

Orchid List:

Caladenia carnea – Pink Fingers
Caladenia gracilis – Musky Caladenia
Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid
Caladenia praecox – Early Caladenia
Caladenia tentaculata – Mantis Orchid
Chiloglottis valida – Common Bird-orchid
Corunastylis despectans (Finished) – Sharp Midge-orchid
Corybas diemenicus (Leaf) – Veined Helmet-orchid
Dipodium roseum (Bud) – Rosy Hyacinth-orchid
Diuris pardina – Leopard Orchid
Diuris sulphurea – Tiger Orchid
Gastrodia sesamoides – Cinnamon Bells
Glossodia major – Wax-lip Orchid
Leptoceras menziesii (Leaf) – Hare Orchid
Microtis sp. (Leaf) – Onion-orchid
Pterostylis alpina – Mountain Greenhood
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Pterostylis parviflora (Finished) – Tiny Greenhood
Pterostylis pedunculata – Maroonhood
Thelymitra ixioides – Dotted Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid
Thelymitra rubra – Salmon Sun-orchid

Introduced Orchid Species (Weeds):

Disa bracteata – South African Orchid

On opposite side of road but not seen on this property:

Caladenia pusilla – Tiny Fingers
Calohilus robertsonii – Purplish Beard-orchid

Total Native Orchid Species Seen On Property: 23 species

79 Calwell Rd:

Site Visited: 18/6/2014; 18/9/2014 & 22/10/2014.

Orchid List:

Caladenia carnea – Pink Fingers
Caladenia vulgaris – Slender Fingers
Calochilus robertsonii – Purplish Beard-orchid
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Thelymitra brevifolia – Peppertop Sun-orchid
Thelymitra ixioides – Dotted Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid

Total Native Orchid Species Seen On Property: 8 species

109 Calwell Rd:

Site Visited: 18/6/2014; 18/9/2014 & 22/10/2014.

Orchid List:

Caladenia carnea – Pink Fingers
Caladenia gracilis – Musky Caladenia
Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid
Dipodium roseum (Bud) – Rosy Hyacinth-orchid
Diuris sulphurea – Tiger Orchid
Glossodia major – Wax-lip Orchid
Microtis sp. (Leaf) – Onion-orchid
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Pterostylis squamata – Common Ruddyhood
Thelymitra ixioides – Dotted Sun-orchid
Thelymitra juncifolia – Rush-leaf Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid

Total Native Orchid Species Seen On Property: 14 species

100 Dawson Rd:

Site Visited: 18/6/2014; 5/9/2014; 23/9/2014 & 22/10/2014.

Orchid List:

Caladenia carnea – Pink Fingers
Caladenia gracilis – Musky Caladenia
Corybas incurvus – Slaty Helmet-orchid
Diuris orientis – Wallflower Donkey Orchid
Eriochilus cucullatus (Leaf) – Parson's Bands
Glossodia major – Wax-lip Orchid
Microtis sp. (Leaf) – Onion-orchid
Pterostylis curta – Blunt Greenhood
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Pterostylis pedunculata – Maroonhood
Thelymitra arenaria – Forest Sun-orchid
Thelymitra brevifolia – Peppertop Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid

Other records:

Dipodium roseum – Rosy Hyacinth-orchid (Warwick Leeson pers. comm.)

Total Native Orchid Species Seen On Property: 14 species

40 Dean Rd:

Site Visited: 21/6/2014; 28/8/2014; 15/9/2014; 21/10/2014 & 20/11/2014

Orchid List:

Acianthus pusillus – Small Mosquito-orchid
Caladenia carnea – Pink Fingers
Caladenia gracilis – Musky Caladenia
Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid
Caladenia praecox – Early Caladenia
Caladenia pusilla – Tiny Fingers
Caladenia transitoria – Eastern Bronze Caladenia
Calochilus robertsonii – Purplish Beard-orchid
Chiloglottis valida – Common Bird-orchid
Corunastylis despectans (Finished) – Sharp Midge-orchid
Corybas diemenicus (Leaf) – Veined Helmet-orchid
Dipodium roseum (Bud) – Rosy Hyacinth-orchid
Diuris pardina – Leopard Orchid
Diuris Xpalachila – Broad-lip Diuris (Hybrid *D. pardina* x *D. chryseopsis*)
Glossodia major – Wax-lip Orchid
Leptoceras menziesii (Leaf) – Hare Orchid
Microtis parviflora – Slender Onion-orchid
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Pterostylis parviflora (Finished) – Tiny Greenhood
Pterostylis pedunculata – Maroonhood
Thelymitra ixioides – Dotted Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid
Thelymitra rubra – Salmon Sun-orchid

Total Native Orchid Species Seen On Property: 23 species and 1 named hybrid.

114 Mckinnon Tce:

Site Visited: 17/6/2014; 15/9/2014; 30/10/2014 & 20/11/2014

Orchid List:

Caladenia carnea – Pink Fingers

Caladenia gracilis – Musky Caladenia

Caladenia praecox – Early Caladenia

Calochilus paludosus – Red Beard-orchid

Calochilus robertsonii – Purplish Beard-orchid

Calochilus species – Possible *C. robertsonii* x *C. paludosus* hybrid?

Calochilus therophilus – Late Beard-Orchid

Corunastylis despectans (Finished) – Sharp Midge-orchid

Dipodium roseum (Bud) – Rosy Hyacinth-orchid

Diuris sulphurea – Tiger Orchid

Glossodia major – Wax-lip Orchid

Pterostylis melagramma – Tall Greenhood

Pterostylis nutans – Nodding Greenhood

Pterostylis parviflora (Finished) – Tiny Greenhood

Pterostylis pedunculata – Maroonhood

Thelymitra brevifolia – Peppertop Sun-orchid

Thelymitra ixioides – Dotted Sun-orchid

Thelymitra juncifolia – Rush-leaf Sun-orchid

Thelymitra pauciflora – Slender Sun-orchid

Under power line easement opposite but not seen on this property:

Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid

Diuris pardina – Leopard Orchid

Total Native Orchid Species Seen On Property: 18 species and 1 of unknown status.

110 Mckinnon Tce:

Site Visited: 17/6/2014; 15/9/2014 & 30/10/2014.

Orchid List:

Caladenia carnea – Pink Fingers

Caladenia gracilis – Musky Caladenia

Caladenia transitoria – Eastern Bronze Caladenia

Corybas diemenicus (Leaf) – Veined Helmet-orchid

Calochilus robertsonii – Purplish Beard-orchid

Calochilus species – Possible *C. robertsonii* x *C. paludosus* hybrid?

Dipodium roseum (Bud) – Rosy Hyacinth-orchid

Diuris sulphurea – Tiger Orchid

Eriochilus cucullatus (Leaf) – Parson's Bands

Gastrodia sesamoides – Cinnamon Bells

Glossodia major – Wax-lip Orchid

Pterostylis alpina – Mountain Greenhood

Pterostylis melagramma – Tall Greenhood

Pterostylis nutans – Nodding Greenhood

Pterostylis parviflora (Finished) – Tiny Greenhood

Pterostylis pedunculata – Maroonhood

Thelymitra ixioides – Dotted Sun-orchid

Thelymitra pauciflora – Slender Sun-orchid

Total Native Orchid Species Seen On Property: 17 species and 1 of unknown status.

14 Moorool Crt:

Site Visited: 19/6/2014; 24/9/2014 & 24/10/2014.

Orchid List:

Microtis sp. (Leaf) – Onion-orchid

Thelymitra brevifolia – Peppertop Sun-orchid

Thelymitra ixioides – Dotted Sun-orchid

Thelymitra pauciflora – Slender Sun-orchid

Total Native Orchid Species Seen On Property: 4 species

Note: *Thelychiton speciosus* – King Rock-orchid, native to far eastern Victoria, has been mounted on a box tree on property.

2 Muir Rd:

Site Visited: 17/6/2014; 15/9/2014; 30/10/2014 & 20/11/2014

Orchid List:

Caladenia carnea – Pink Fingers
Caladenia gracilis – Musky Caladenia
Caladenia praecox – Early Caladenia
Calochilus paludosus – Red Beard-orchid
Calochilus robertsonii – Purplish Beard-orchid
Calochilus therophilus – Late Beard-Orchid
Chiloglottis valida – Common Bird-orchid
Corunastylis despectans (Finished) – Sharp Midge-orchid
Dipodium roseum (Bud) – Rosy Hyacinth-orchid
Diuris chryseopsis – Golden Moths
Diuris pardina – Leopard Orchid
Diuris sulphurea – Tiger Orchid
Eriochilus cucullatus (Leaf) – Parson's Bands
Glossodia major – Wax-lip Orchid
Leptoceras menziesii (Leaf) – Hare Orchid
Microtis parviflora – Slender Onion-orchid
Microtis unifolia – Common Onion-orchid
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Pterostylis parviflora (Finished) – Tiny Greenhood
Pterostylis pedunculata – Maroonhood
Thelymitra arenaria – Forest Sun-orchid
Thelymitra brevifolia – Peppertop Sun-orchid
Thelymitra ixioides – Dotted Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid
Thelymitra rubra – Salmon Sun-orchid
Thelymitra Xtruncata – Hybrid Sun-orchid (*T. ixioides* x *T. brevifolia*)

Other records:

Corybas diemenicus (Leaf) – Veined Helmet-orchid (Helen Richards & Doug Evans pers. comm.)

Total Native Orchid Species Seen On Property: 26 species and 1 named hybrid.

40 Muir Rd:

Site Visited: 17/6/2014; 15/9/2014 & 30/10/2014

Orchid List:

Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid
Corunastylis despectans (Finished) – Sharp Midge-orchid
Cyanicula caerulea – Blue Fingers
Diuris pardina – Leopard Orchid
Diuris sulphurea – Tiger Orchid
Glossodia major – Wax-lip Orchid
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Pterostylis pedunculata – Maroonhood
Pterostylis squamata – Common Ruddyhood
Thelymitra pauciflora – Slender Sun-orchid

Total Native Orchid Species Seen On Property: 11 species.

109 Reeves Rd:

Site Visited: 19/6/2014; 15/9/2014 & 30/10/2014

Orchid List:

Caladenia gracilis – Musky Caladenia
Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid
Chiloglottis valida – Common Bird-orchid
Dipodium roseum (Bud) – Rosy Hyacinth-orchid
Diuris pardina – Leopard Orchid
Diuris sulphurea – Tiger Orchid
Gastrodia sesamoides – Cinnamon Bells
Glossodia major – Wax-lip Orchid
Leptoceras menziesii – Hare Orchid
Microtis sp. (Leaf) – Onion-orchid
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Pterostylis pedunculata – Maroonhood
Thelymitra brevifolia – Peppertop Sun-orchid
Thelymitra ixioides – Dotted Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid
Thelymitra rubra – Salmon Sun-orchid

Total Native Orchid Species Seen On Property: 17 species.

60 Scholz Rd:

Site Visited: 25/6/2014; 17/9/2014 & 24/10/2014.

Orchid List:

Caladenia gracilis – Musky Caladenia
Caladenia praecox – Early Caladenia
Diuris sulphurea – Tiger Orchid
Glossodia major – Wax-lip Orchid
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Thelymitra brevifolia – Peppertop Sun-orchid
Thelymitra ixioides – Dotted Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid
Thelymitra rubra – Salmon Sun-orchid

Near shared letterbox/bin region but not seen on this property:

Microtis parviflora – Slender Onion-orchid
Pterostylis squamata – Common Ruddyhood

Total Native Orchid Species Seen On Property: 10 species

10 Scholz Rd:

Site Visited: 25/6/2014; 17/9/2014 & 24/10/2014.

Orchid List:

Caladenia carnea – Pink Fingers
Cyanicula caerulea – Blue Fingers
Diuris sulphurea – Tiger Orchid
Glossodia major – Wax-lip Orchid
Pterostylis melagramma – Tall Greenhood
Thelymitra brevifolia – Peppertop Sun-orchid
Thelymitra ixioides – Dotted Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid

Near shared letterbox/bin region but not seen on this property:

Microtis parviflora – Slender Onion-orchid
Pterostylis squamata – Common Ruddyhood

Total Native Orchid Species Seen On Property: 8 species

71 School Ln:

Site Visited: 25/6/2014; 19/9/2014 & 24/10/2014.

Orchid List:

Glossodia major – Wax-lip Orchid

Microtis parviflora – Slender Onion-orchid

Thelymitra arenaria – Forest Sun-orchid

Thelymitra brevifolia – Peppertop Sun-orchid

Thelymitra ixioides – Dotted Sun-orchid

Thelymitra pauciflora – Slender Sun-orchid

Thelymitra peniculata – Trim Sun-orchid

Thelymitra rubra – Salmon Sun-orchid

*Note most species seen on road cutting at north western end of property in the vicinity of School Ln/Yarra Glen Rd intersection.

Total Native Orchid Species Seen On Property: 8 species

190 Scott Rd:

Site Visited: 26/6/2014; 15/9/2014 & 31/10/2014.

Orchid List:

Microtis sp. (Leaf) – Onion-orchid

Thelymitra pauciflora (bud) – Slender Sun-orchid

Total Native Orchid Species Seen On Property: 2 species

Helen Richard's pre-bushfire orchid list:

Caladenia carnea – Pink Fingers

Caladenia gracilis – Musky Caladenia

Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid

Chiloglottis valida – Common Bird-orchid

Dipodium roseum – Rosy Hyacinth-orchid

Glossodia major – Wax-lip Orchid

Pterostylis alpina – Mountain Greenhood

Pterostylis melagramma – Tall Greenhood

Pterostylis pedunculata – Maroonhood

Thelymitra pauciflora – Slender Sun-orchid

On roadside & property opposite (Skyline/Buttermans cnr region):

Caladenia carnea – Pink Fingers

Caladenia gracilis – Musky Caladenia

Caladenia praecox – Early Caladenia

Dipodium roseum (Bud) – Rosy Hyacinth-orchid

Diuris pardina – Leopard Orchid

Glossodia major – Wax-lip Orchid

Thelymitra brevifolia – Peppertop Sun-orchid

Thelymitra ixioides – Dotted Sun-orchid

Thelymitra pauciflora – Slender Sun-orchid

792 Skyline Rd:

Site Visited: 19/6/2014; 22/9/2014; 30/10/2014 & 20/11/2014

Orchid List:

Caladenia carnea – Pink Fingers
Caladenia gracilis – Musky Caladenia
Caladenia praecox – Early Caladenia
Caladenia pusilla – Tiny Fingers
Caladenia transitoria – Eastern Bronze Caladenia
Calochilus robertsonii – Purplish Beard-orchid
Calochilus therophilus – Late Beard-Orchid
Dipodium roseum (Bud) – Rosy Hyacinth-orchid
Diuris pardina – Leopard Orchid
Diuris sulphurea – Tiger Orchid
Glossodia major – Wax-lip Orchid
Microtis parviflora – Slender Onion-orchid
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Pterostylis parviflora (Finished) – Tiny Greenhood
Thelymitra arenaria – Forest Sun-orchid
Thelymitra brevifolia – Peppertop Sun-orchid
Thelymitra ixioides – Dotted Sun-orchid
Thelymitra juncifolia – Rush-leaf Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid
Thelymitra rubra – Salmon Sun-orchid
Thelymitra Xtruncata – Hybrid Sun-orchid (*T. ixioides* x *T. pauciflora*)

Other records:

Chiloglottis valida – Common Bird-orchid (G & M. Lovell pers. comm.)

Total Native Orchid Species Seen On Property: 21 species and 1 named hybrid.

985/1055 Skyline Rd (For Sale):

Site Visited: 16/6/2014; 28/8/2014; 24/9/2014; 21/10/2014 & 20/11/2014.

Orchid List:

Caladenia carnea – Pink Fingers
Caladenia gracilis – Musky Caladenia
Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid
Caladenia praecox – Early Caladenia
Caladenia pusilla – Tiny Fingers
Caladenia tentaculata – Mantis Orchid
Calochilus paludosus – Red Beard-orchid
Calochilus robertsonii – Purplish Beard-orchid
Chiloglottis valida – Common Bird-orchid
Corunastylis despectans (Finished) – Sharp Midge-orchid
Corybas diemenicus (Leaf) – Veined Helmet-orchid
Cyanicula caerulea – Blue Fingers
Dipodium roseum (Bud) – Rosy Hyacinth-orchid
Diuris orientis – Wallflower Donkey Orchid
Diuris pardina – Leopard Orchid
Diuris sulphurea – Tiger Orchid
Gastrodia sesamoides – Cinnamon Bells
Glossodia major – Wax-lip Orchid
Leptoceras menziesii – Hare Orchid
Microtis parviflora – Slender Onion-orchid
Pterostylis alpina – Mountain Greenhood
Pterostylis curta – Blunt Greenhood
Pterostylis foliata – Slender Greenhood
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Pterostylis parviflora (Finished) – Tiny Greenhood
Pterostylis pedunculata – Maroonhood
Thelymitra arenaria – Forest Sun-orchid
Thelymitra brevifolia – Peppertop Sun-orchid
Thelymitra ixioides – Dotted Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid
Thelymitra rubra – Salmon Sun-orchid

Other records (Kaye McRae photographic records):

Caladenia congesta – Black-tongue Caladenia
Caladenia clavigera – Plain-lip Spider-orchid
Caladenia transitoria – Eastern Bronze Caladenia
Thelymitra media – Tall Sun-orchid

Thelymitra Xirregularis – Crested Sun-orchid

Total Native Orchid Species Seen On Property: 32 species, including Kaye McRae's photographic records 36 species and 1 named hybrid.

1004 Skyline Rd:

Site Visited: 16/6/2014 & 22/9/2014.

Orchid List:

Chiloglottis valida – Common Bird-orchid

Thelymitra pauciflora (bud) – Slender Sun-orchid

Total Native Orchid Species Seen On Property: 2 species

1010 Skyline Rd:

Site Visited: 16/6/2014 & 22/9/2014.

Orchid List:

**Corunastylis despectans* (Finished) – Sharp Midge-orchid

Chiloglottis valida – Common Bird-orchid

Dipodium roseum (Finished) – Rosy Hyacinth-orchid

**Glossodia major* – Wax-lip Orchid

Pterostylis melagramma – Tall Greenhood

Pterostylis nutans – Nodding Greenhood

Pterostylis pedunculata – Maroonhood

**Thelymitra brevifolia* – Peppertop Sun-orchid

Thelymitra pauciflora – Slender Sun-orchid

*Note – on nature strip in front of shed.

Total Native Orchid Species Seen On Property: 9 species

1073 Skyline Rd:

Site Visited: 16/6/2014; 15/9/2014 & 21/10/2014.

Orchid List:

Chiloglottis valida – Common Bird-orchid

Microtis sp. (Leaf) – Onion-orchid

Pterostylis melagramma – Tall Greenhood

Pterostylis nutans – Nodding Greenhood

Thelymitra pauciflora – Slender Sun-orchid

Total Native Orchid Species Seen On Property: 5 species

1252 Skyline Rd:

Site Visited: 26/6/2014 & 25/9/2014.

Total Native Orchid Species Seen On Property: 0 species

Orchids seen along Skyline Rd roadside from this property to Tuan trk intersection (26/6/2014; 25/9/2014 & 30/10/2011):

Dipodium roseum (Finished) – Rosy Hyacinth-orchid

Diuris sulphurea – Tiger Orchid

Microtis sp. (Leaf) – Onion-orchid

Pterostylis squamata – Common Ruddyhood

Thelymitra pauciflora – Slender Sun-orchid

1405 Skyline Rd:

Southern Section (Near Tuan trk):

Site Visited: 27/6/2014; 28/8/2014; 26/9/2014 & 31/10/2014.

Orchid List:

Caladenia carnea – Pink Fingers
Caladenia gracilis – Musky Caladenia
Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid
Caladenia praecox – Early Caladenia
Caladenia pusilla – Tiny Fingers
Calochilus robertsonii – Purplish Beard-orchid
Chiloglottis valida – Common Bird-orchid
Dipodium roseum (Bud) – Rosy Hyacinth-orchid
Diuris sulphurea – Tiger Orchid
Glossodia major – Wax-lip Orchid
Microtis parviflora – Slender Onion-orchid
Pterostylis alpina – Mountain Greenhood
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Pterostylis squamata – Common Ruddyhood
Thelymitra brevifolia – Peppertop Sun-orchid
Thelymitra ixioides – Dotted Sun-orchid
Thelymitra juncifolia – Rush-leaf Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid
Thelymitra rubra – Salmon Sun-orchid

Central & Northern Sections:

Site Visited: 27/6/2014; 25/9/2014 & 31/10/2014.

Orchid List:

Caladenia carnea – Pink Fingers
Caladenia gracilis – Musky Caladenia
Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid
Caladenia praecox – Early Caladenia
Caladenia pusilla – Tiny Fingers
Caladenia transitoria – Eastern Bronze Caladenia
Calochilus robertsonii – Purplish Beard-orchid
Chiloglottis valida – Common Bird-orchid
Dipodium roseum (Bud) – Rosy Hyacinth-orchid
Diuris sulphurea – Tiger Orchid
Glossodia major – Wax-lip Orchid
Leptoceras menziesii (Leaf) – Hare Orchid

Microtis parviflora – Slender Onion-orchid
Pterostylis alpina – Mountain Greenhood
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Pterostylis parviflora (Finished) – Tiny Greenhood
Thelymitra brevifolia – Peppertop Sun-orchid
Thelymitra ixioides – Dotted Sun-orchid
Thelymitra juncifolia – Rush-leaf Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid
Thelymitra peniculata – Trim Sun-orchid
Thelymitra rubra – Salmon Sun-orchid

Combined regions:

Orchid List:

Caladenia carnea – Pink Fingers
Caladenia gracilis – Musky Caladenia
Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid
Caladenia praecox – Early Caladenia
Caladenia pusilla – Tiny Fingers
Caladenia transitoria – Eastern Bronze Caladenia
Calochilus robertsonii – Purplish Beard-orchid
Chiloglottis valida – Common Bird-orchid
Dipodium roseum (Bud) – Rosy Hyacinth-orchid
Diuris sulphurea – Tiger Orchid
Glossodia major – Wax-lip Orchid
Leptoceras menziesii (Leaf) – Hare Orchid
Microtis parviflora – Slender Onion-orchid
Pterostylis alpina – Mountain Greenhood
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Pterostylis parviflora (Finished) – Tiny Greenhood
Pterostylis squamata – Common Ruddyhood
Thelymitra brevifolia – Peppertop Sun-orchid
Thelymitra ixioides – Dotted Sun-orchid
Thelymitra juncifolia – Rush-leaf Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid
Thelymitra peniculata – Trim Sun-orchid
Thelymitra rubra – Salmon Sun-orchid

Other records (pre-bushfire regeneration, Joan Stephens):

Eriochilus cucullatus – Parson's Bands
Diuris orientis – Wallflower Donkey Orchid

Gastrodia sp. – Potato orchid
Prasophyllum sp. – Leek-orchid
Pterostylis plumosa – Bearded Greenhood
Pterostylis striata – Striped Greenhood

Total Native Orchid Species Seen On Property: 24 species

4 Tanderum Way:

Site Visited: 19/6/2014; 19/9/2014 & 24/10/2014.

Orchid List:

Caladenia gracilis – Musky Caladenia
Microtis parviflora – Slender Onion-orchid
Thelymitra brevifolia – Peppertop Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid

*Note most species seen either in vicinity of eastern boundary fence or in the south eastern corner of back paddock.

Total Native Orchid Species Seen On Property: 4 species

50 Wallace Rd:

Site Visited: 26/6/2014; 19/9/2014; 21/10/2014 & 20/11/2014.

Orchid List:

Caladenia fuscata – Dusky Fingers
Caladenia gracilis – Musky Caladenia
Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid
Caladenia praecox – Early Caladenia
Caladenia pusilla – Tiny Fingers
Caladenia tentaculata (Leaf) – Mantis Orchid
Calochilus paludosus – Red Beard-orchid
Calochilus robertsonii – Purplish Beard-orchid
Calochilus therophilus – Late Beard-Orchid
Corunastylis despectans (Finished) – Sharp Midge-orchid
Cyanicula caerulea – Blue Fingers
Dipodium roseum (Bud) – Rosy Hyacinth-orchid
Diuris sulphurea – Tiger Orchid
Glossodia major – Wax-lip Orchid
Microtis parviflora – Slender Onion-orchid
Pterostylis nutans – Nodding Greenhood
Pterostylis pedunculata – Maroonhood
Thelymitra brevifolia – Peppertop Sun-orchid
Thelymitra ixioides – Dotted Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid

Total Native Orchid Species Seen On Property: 20 species

118 Wallace Rd:

Site Visited: 26/6/2014; 19/9/2014; 21/10/2014 & 20/11/2014.

Orchid List:

Caladenia carnea – Pink Fingers
Caladenia gracilis – Musky Caladenia
Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid
Caladenia praecox – Early Caladenia
Caladenia pusilla – Tiny Fingers
Caladenia tentaculata (Leaf) – Mantis Orchid
Caladenia transitoria – Eastern Bronze Caladenia
Calochilus paludosus – Red Beard-orchid
Calochilus robertsonii – Purplish Beard-orchid
Calochilus therophilus – Late Beard-Orchid
Chiloglottis valida – Common Bird-orchid
Corunastylis despectans (Finished) – Sharp Midge-orchid
Cyanicula caerulea – Blue Fingers
Dipodium roseum (Bud) – Rosy Hyacinth-orchid
Diuris pardina – Leopard Orchid
Diuris sulphurea – Tiger Orchid
Glossodia major – Wax-lip Orchid
Microtis parviflora – Slender Onion-orchid
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Pterostylis pedunculata – Maroonhood
Thelymitra arenaria – Forest Sun-orchid
Thelymitra brevifolia – Peppertop Sun-orchid
Thelymitra ixioides – Dotted Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid
Thelymitra rubra – Salmon Sun-orchid

*Note *Calochilus therophilus* (Late Beard-Orchid) only seen on adjoining bush property to the east of pipeline easement.

Total Native Orchid Species Seen On Property: 26 species

79 Westering Rd:

Site Visited: 18/6/2014; 23/9/2014 & 22/10/2014.

Orchid List:

Acianthus pusillus – Small Mosquito-orchid
Caladenia carnea – Pink Fingers
Caladenia gracilis – Musky Caladenia
Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid
Caladenia tentaculata (Leaf) – Mantis Orchid
Caladenia transitoria – Eastern Bronze Caladenia
Chiloglottis valida – Common Bird-orchid
Corybas diemenicus (Leaf) – Veined Helmet-orchid
Dipodium roseum (Bud) – Rosy Hyacinth-orchid
Diuris pardina – Leopard Orchid
Glossodia major – Wax-lip Orchid
Microtis sp. (Leaf) – Onion-orchid
Pterostylis concinna – Trim Greenhood
Pterostylis curta – Blunt Greenhood
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Pterostylis pedunculata – Maroonhood
Thelymitra arenaria – Forest Sun-orchid
Thelymitra brevifolia – Peppertop Sun-orchid
Thelymitra ixioides – Dotted Sun-orchid
Thelymitra juncifolia – Rush-leaf Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid
Thelymitra rubra – Salmon Sun-orchid

Total Native Orchid Species Seen On Property: 23 species

Publicly Owned Sites

Roadsides

Ridge Rd 0.6klm west of Westering Rd:

Site Visited: 23/9/2014 & 22/10/2014.

Orchid List:

Caladenia carnea – Pink Fingers

Caladenia gracilis – Musky Caladenia

Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid

Caladenia praecox – Early Caladenia

Calochilus robertsonii – Purplish Beard-orchid

Cyanicula caerulea – Blue Fingers

Diuris orientis – Wallflower Donkey Orchid

Diuris pardina – Leopard Orchid

Diuris sulphurea – Tiger Orchid

Glossodia major – Wax-lip Orchid

Microtis parviflora – Slender Onion-orchid

Pterostylis curta – Blunt Greenhood

Pterostylis nutans – Nodding Greenhood

Pterostylis pedunculata – Maroonhood

Pterostylis squamata – Common Ruddyhood

Thelymitra arenaria – Forest Sun-orchid

Thelymitra brevifolia – Peppertop Sun-orchid

Thelymitra pauciflora – Slender Sun-orchid

Total Native Orchid Species Seen On Roadside: 18 species

MMBW Land

Orchard Hill (NE of Ridge/Simpson Rd corner) MMBW Land:

Site Visited: 25/6/2014; 5/9/2014 & 23/9/2014.

Site suggested by Astrid Burt as alternative to 581 Ridge Rd.

Orchid List:

Caladenia carnea – Pink Fingers

Caladenia gracilis – Musky Caladenia

Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid

Caladenia praecox – Early Caladenia

Caladenia pusilla – Tiny Fingers

Calochilus (Bud) – Beard-orchid

Cyanicula caerulea – Blue Fingers

Diuris orientis – Wallflower Donkey Orchid

Diuris pardina – Leopard Orchid

Glossodia major – Wax-lip Orchid

Microtis sp. (Leaf) – Onion-orchid

Pterostylis curta – Blunt Greenhood

Pterostylis melagramma – Tall Greenhood

Pterostylis nutans – Nodding Greenhood

Pterostylis parviflora (Finished) – Tiny Greenhood

Pterostylis pedunculata – Maroonhood

Thelymitra sp. (Leaf) – Sun-orchid

*Note site was not surveyed after September.

Total Native Orchid Species Seen On Land: 17 species

**Powerline Hill (NW of Ridge/Simpson Rd corner) MMBW
Land:**

Site Visited: 23/9/2014.

Orchid List:

Caladenia carnea – Pink Fingers
Caladenia gracilis – Musky Caladenia
Calochilus (Bud) – Beard-orchid
Diuris orientis – Wallflower Donkey Orchid
Diuris pardina – Leopard Orchid
Glossodia major – Wax-lip Orchid
Microtis sp. (Leaf) – Onion-orchid
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Pterostylis parviflora (Finished) – Tiny Greenhood
Pterostylis pedunculata – Maroonhood
Pterostylis plumosa – Bearded Greenhood
Thelymitra sp. (Leaf) – Sun-orchid

Total Native Orchid Species Seen On Land: 13 species (single visit).

Old MMBW Aqueduct:

Site Visited: 18/9/2014.

List of regionally significant orchid species seen:

Caladenia clavigera – Plain-lip Spider-orchid

Caladenia oenochila – Wine-lip Spider-orchid

Diuris orientis – Wallflower Donkey Orchid

Eriochilus cucullatus – Parson's Bands

Thelymitra flexuosa – Twisted Sun-orchid

Nature Conservation Reserves

Warrandyte-Kinglake NCR

End of Calwell Rd Block:

Site Visited: 18/6/2014; 18/9/2014 & 22/10/2014.

Orchid List:

Caladenia carnea – Pink Fingers

Caladenia catenata – White Fingers

Caladenia gracilis – Musky Caladenia

Caladenia mentiens – Cryptic Fingers

Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid

Caladenia praecox – Early Caladenia

Caladenia pusilla – Tiny Fingers

Caladenia tentaculata – Mantis Orchid

Calochilus paludosus – Red Beard-orchid

Calochilus robertsonii – Purplish Beard-orchid

Chiloglottis valida – Common Bird-orchid

Corunastylis despectans (Finished) – Sharp Midge-orchid

Corybas diemenicus (Leaf) – Veined Helmet-orchid

Cyanicula caerulea – Blue Fingers

Dipodium roseum (Bud) – Rosy Hyacinth-orchid

Diuris pardina – Leopard Orchid

Diuris sulphurea – Tiger Orchid

Glossodia major – Wax-lip Orchid

Leptoceras menziesii (Leaf) – Hare Orchid

Microtis sp. (Leaf) – Onion-orchid

Pterostylis alpina – Mountain Greenhood
Pterostylis concinna – Trim Greenhood
Pterostylis curta – Blunt Greenhood
Pterostylis foliata – Slender Greenhood
Pterostylis melagramma – Tall Greenhood
Pterostylis nana – Dwarf Greenhood
Pterostylis nutans – Nodding Greenhood
Pterostylis parviflora (Finished) – Tiny Greenhood
Pterostylis pedunculata – Maroonhood
Thelymitra arenaria – Forest Sun-orchid
Thelymitra brevifolia – Peppertop Sun-orchid
Thelymitra ixioiodes – Dotted Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid
Thelymitra rubra – Salmon Sun-orchid

Total Native Orchid Species Seen In Block: 34 species

Eltham-Yarra Glen Rd Block:

Site Visited: 17/9/2014.

Orchid List:

Caladenia carnea – Pink Fingers
Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid
Caladenia tentaculata (Leaf) – Mantis Orchid
Cyanicula caerulea – Blue Fingers
Diuris pardina – Leopard Orchid
Glossodia major – Wax-lip Orchid
Pterostylis melagramma – Tall Greenhood
Pterostylis nutans – Nodding Greenhood
Thelymitra sp. (Leaf) – Sun-orchid

Total Native Orchid Species Seen In Block: 9 species (single visit).

CHLG Orchid Survey List Of Species Seen During Survey:

Acianthus pusillus – Small Mosquito-orchid
Caladenia carnea – Pink Fingers
Caladenia catenata – White Fingers
Caladenia clavigera – Plain-lip Spider-orchid
Caladenia fuscata – Dusky Fingers
Caladenia gracilis – Musky Caladenia
Caladenia mentiens – Cryptic Fingers
Caladenia oenochila – Wine-lip Spider-orchid
Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid
Caladenia praecox – Early Caladenia
Caladenia pusilla – Tiny Fingers
Caladenia tentaculata – Mantis Orchid
Caladenia transitoria – Eastern Bronze Caladenia
Calochilus paludosus – Red Beard-orchid
Calochilus robertsonii – Purplish Beard-orchid
Calochilus species – Possible *C. robertsonii* x *C. paludosus* hybrid?
Calochilus therophilus – Late Beard-Orchid
Chiloglottis valida – Common Bird-orchid
Corunastylis despectans – Sharp Midge-orchid
Corybas diemenicus – Veined Helmet-orchid
Corybas incurvus – Slaty Helmet-orchid
Cyanicula caerulea – Blue Fingers
Dipodium roseum – Rosy Hyacinth-orchid
Diuris chryseopsis – Golden Moths
Diuris orientis – Wallflower Donkey Orchid
Diuris pardina – Leopard Orchid
Diuris sulphurea – Tiger Orchid
Diuris Xpalachila – Broad-lip Diuris (Hybrid *D. pardina* x *D. chryseopsis*)
Eriochilus cucullatus – Parson's Bands
Gastrodia sesamoides – Cinnamon Bells
Glossodia major – Wax-lip Orchid
Leptoceras menziesii – Hare Orchid
Microtis parviflora – Slender Onion-orchid
Microtis unifolia – Common Onion-orchid
Pterostylis alpina – Mountain Greenhood
Pterostylis concinna – Trim Greenhood
Pterostylis curta – Blunt Greenhood
Pterostylis foliata – Slender Greenhood
Pterostylis melagramma – Tall Greenhood
Pterostylis nana – Dwarf Greenhood
Pterostylis nutans – Nodding Greenhood

Pterostylis parviflora – Tiny Greenhood
Pterostylis pedunculata – Maroonhood
Pterostylis plumosa – Bearded Greenhood
Pterostylis squamata – Common Ruddyhood
Thelymitra arenaria – Forest Sun-orchid
Thelymitra brevifolia – Peppertop Sun-orchid
Thelymitra flexuosa – Twisted Sun-orchid
Thelymitra ixioides – Dotted Sun-orchid
Thelymitra juncifolia – Rush-leaf Sun-orchid
Thelymitra pauciflora – Slender Sun-orchid
Thelymitra peniculata – Trim Sun-orchid
Thelymitra rubra – Salmon Sun-orchid
Thelymitra Xtruncata – Hybrid Sun-orchid

Introduced Orchid Species (Weeds):

Disa bracteata – South African Orchid

Orchid Records, Christmas Hills Region, of Species Not Recorded In This Survey;

Kay McRae photographic record for 1055 Skyline Rd:

Caladenia congesta – Black-tongue Caladenia

Thelymitra media – Tall Sun-orchid

Thelymitra Xirregularis – Crested Sun-orchid

Joan Stephens pers. comm. for 1405 Skyline Rd:

Prasophyllum sp. – Leek-orchid

Pterostylis striata – Striped Greenhood

Cam Beardsell's Flora List For One Tree Hill NCR:

Caladenia rosella – Rosella Spider-Orchid

Cyrtostylis reniformis – Gnat Orchid

Lyperanthus suaveolens – Brown-beaks

Microtis arenaria – Notched Onion-orchid

Pheladenia deformis – Bluebeard Orchid

Prasophyllum brevilabre – Short-lip Leek-orchid

Pterostylis atrans – Dark-tip Greenhood

Pterostylis falcata – Sickie Greenhood

Pterostylis revoluta – Autumn Greenhood

Pterostylis smaragdina – Emerald-lip Greenhood

Pterostylis striata – Striped Greenhood

Pterostylis Xingens – Sharp Greenhood (*P.nutans* x *P.falcata*)

Thelymitra media – Tall Sun-orchid

Cam Beardsell's Flora List For Rifle Range NCR:

Corunastylis morrisii – Bearded Midge-orchid

Dipodium punctatum – Purple Hyacinth-orchid

Microtis arenaria – Notched Onion-orchid

Prasophyllum brevilabre – Short-lip Leek-orchid

Pterostylis atrans – Dark-tip Greenhood

Pterostylis rubescens – Red-tip Tiny Greenhood

Thynninorchis huntianus – Elbow Orchid

Acianthus pusillus – Small Mosquito-orchid



Photographed: 79 Westering Rd 18/6/2014

Caladenia carnea – Pink Fingers



1405 Skyline Rd 26/9/2014

Caladenia catenata – White Fingers



Calwell Rd NCR 9/10/2014



Hybrid with *C.carnea*

Caladenia clavigera – Plain-lip Spider-orchid



Anglesea 30/9/2009

Caladenia fuscata – Dusky Fingers



50 Wallace Rd 19/9/2014

Caladenia gracilis – Musky Caladenia



79 Westering Rd 22/10/2014

Caladenia mentiens – Cryptic Fingers



Calwell Rd NCR 12/9/2014

Caladenia oenochila – Wine-lip Spider-orchid



Old MMBW Aqueduct 18/9/2014

Caladenia phaeoclavia – Brown-clubbed Greencomb Spider-orchid



1055 Skyline Rd 24/9/2014

Caladenia praecox – Early Caladenia



1055 Skyline Rd 28/8/2014

Caladenia pusilla – Tiny Fingers



1405 Skyline Rd 26/9/2014

Caladenia tentaculata – Mantis Orchid



990 Buttermilk trk 21/10/2014

Caladenia transitoria – Eastern Bronze Caladenia



40 Dean Rd 21/10/2014

Calochilus paludosus – Red Beard-orchid



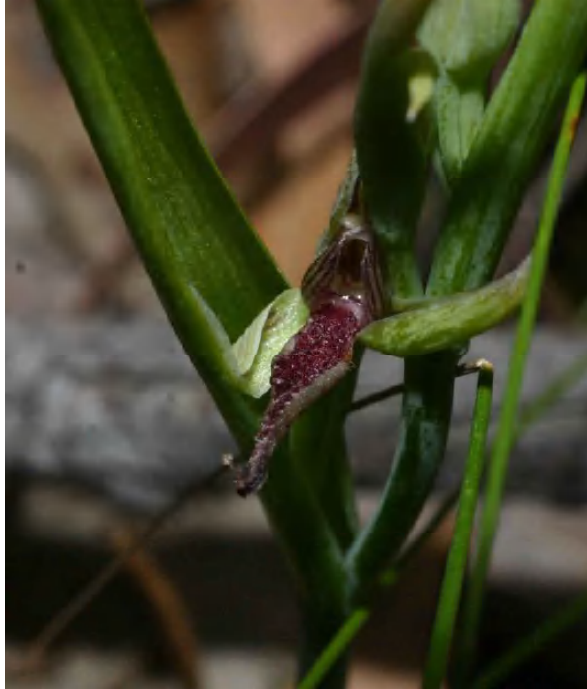
1055 Skyline Rd 21/10/2014

Calochilus robertsonii – Purplish Beard-orchid



50 Wallace Rd 21/10/2014; White form 114 McKinnon Tce 30/10/2014

Calochilus therophilus – Late Beard-Orchid



2 Muir Rd 20/11/2014; peloric form 114 McKinnon Tce 20/11/2014

Calochilus species – Possible *C. robertsonii* x *C. paludosus* hybrid?



114 McKinnon Tce 30/10/2014

Chiloglottis valida – Common Bird-orchid



990 Buttermilk trk 15/9/2014



Pale form 1010 Skyline Rd 22/9/2014

Corunastylis despectans – Sharp Midge-orchid



Old plant 990 Butterman Trk 16/6/14; Warrandyte 6/4/2013

Corybas diemenicus – Veined Helmet-orchid



One Tree Hill NCR 3/8/2007

Corybas incurvus – Slaty Helmet-orchid



Anglesea 28/7/2010

Cyanicula caerulea – Blue Fingers



1055 Skyline Rd 28/8/2014

Dipodium roseum – Rosy Hyacinth-orchid



Skyline Rd 31/12/2008

Diuris chryseopsis – Golden Moths



2 Muir Rd 22/9/2014

Diuris orientis – Wallflower Donkey Orchid



Powerline Hill, MMBW Land, Ridge Rd 23/9/2014

Diuris pardina – Leopard Orchid



40 Dean Rd 22/9/2014

Diuris sulphurea – Tiger Orchid



990 Butterman Trk 21/10/2014

Diuris Xpalachila – Broad-lip Diuris (Hybrid *D. pardina* x *D. chryseopsis*)



40 Dean Rd 22/9/2014

Eriochilus cucullatus – Parson's Bands



110 McKinnon Tce 17/6/2014;



Bairnsdale 18/4/2006

Gastrodia sesamoides – Cinnamon Bells



110 McKinnon Tce 30/10/2014

Glossodia major – Wax-lip Orchid



1055 Skyline Rd 24/9/2014

Leptoceras menziesii – Hare Orchid



1055 Skyline Rd 9/10/2014

Microtis parviflora – Slender Onion-orchid



71 School Ln 24/10/2014

Microtis unifolia – Common Onion-orchid



2 Muir Rd 20/11/2014

Pterostylis alpina – Mountain Greenhood



990 Buttermans Trk 15/9/2014

Pterostylis concinna – Trim Greenhood



Calwell Rd NCR 5/9/2014

Pterostylis curta – Blunt Greenhood



Calwell Rd NCR 5/9/2014

Pterostylis foliata – Slender Greenhood



Calwell Rd NCR 5/9/2014; 1055 Skyline Rd 24/9/2014

Pterostylis melagramma – Tall Greenhood



990 Buttermans Trk 15/9/2014

Pterostylis nana – Dwarf Greenhood



Calwell Rd NCR 5/9/2014

Pterostylis nutans – Nodding Greenhood



118 Wallace Rd 26/6/2014

Pterostylis parviflora – Tiny Greenhood



2 Muir Rd 17/6/2014



990 Buttermans Trk 16/6/2014

Pterostylis pedunculata – Maroonhood



1055 Skyline Rd 28/8/2014

Pterostylis plumosa – Bearded Greenhood



Powerline Hill MMBW Land 23/9/2014

Pterostylis squamata – Common Ruddyhood



26/6/2014

Skyline Rd near Tuan trk



31/10/2014

Thelymitra arenaria – Forest Sun-orchid



Ridge Rd roadside 22/10/2014;



100 Dawson Rd 22/10/2014

Thelymitra brevifolia – Peppertop Sun-orchid



100 Dawson Rd 22/10/2014



71 School Ln 24/10/2014

Thelymitra flexuosa – Twisted Sun-orchid



Old MMBW Aqueduct 9/10/2013

Thelymitra ixioides – Dotted Sun-orchid



118 Wallace Rd 21/10/2014

Thelymitra juncifolia – Rush-leaf Sun-orchid



79 Westering Rd 22/10/2014



114 McKinnon Tce 30/10/2014

Thelymitra pauciflora – Slender Sun-orchid



1405 Skyline Rd 31/10/2014; 1055 Skyline Rd (mutant) 21/10/2014

Thelymitra peniculata – Trim Sun-orchid



71 School Ln 24/10/2014



Dunkeld 5/11/2012

Thelymitra rubra – Salmon Sun-orchid



40 Dean Rd 21/10/2014



Calwell Rd NCR 22/10/2014

Thelymitra Xtruncata – Hybrid Sun-orchid



(probably *T. brevifolia* x *T. ixioides*)
2 Muir Rd 30/10/2014



(probably *T. brevifolia* x *T. ixioides*) (probably *T. arenaria* x *T. ixioides*)

792 Skyline Rd 30/10/2014

Introduced Orchid Species (Weeds):

Disa bracteata – South African Orchid



990 Buttermans Trk 21/10/2014

Orchid Records, Christmas Hills Region, Of Species Not Recorded In This Survey;

Caladenia congesta – Black-tongue Caladenia



Kaye McRae photo 24/11/2010
1055 Skyline Rd



Belgrave Sth 30/11/2013

Caladenia rosella – Rosella Spider-Orchid



One Tree Hill NCR 22/8/2010

Corunastylis morrisii – Bearded Midge-orchid



Steeles Creek 12/3/2010

Cyrtostylis reniformis – Gnat Orchid



One Tree Hill NCR 22/8/2010

Dipodium punctatum – Purple Hyacinth-orchid



Bruthern 23/12/2004

Lyperanthus suaveolens – Brown-beaks



Genoa 30/10/2010

Microtis arenaria – Notched Onion-orchid



Cann River 29/10/2010

Pheladenia deformis – Bluebeard Orchid



Diamond Creek 7/9/2004

Prasophyllum brevilabre – Short-lip Leek-orchid



Grampians 18/11/2006

Pterostylis atrans – Dark-tip Greenhood



Diamond Creek 28/4/2010

Pterostylis falcata – Sickie Greenhood



Grampians 23/10/2005

Pterostylis revoluta – Autumn Greenhood



Diamond Creek 28/4/2010

Pterostylis rubescens – Red-tip Tiny Greenhood



One Tree Hill NCR 27/5/2010

Pterostylis smaragdyna – Emerald-lip Greenhood



One Tree Hill NCR 27/6/2014

Pterostylis striata – Striped Greenhood



One Tree Hill NCR 27/6/2014

Pterostylis Xingens – Sharp Greenhood (*P.nutans* x *P.falcata*)



Grampians 23/10/2005

Thelymitra media – Tall Sun-orchid



Bunyip SP 17/11/2010

Thelymitra Xirregularis – Crested Sun-orchid



Skyline Rd 9/10/2013 (*T. rubra* x *T. ixioides*)

Thynninorchis huntianus – Elbow Orchid



Yinnar 3/12/2012

Site Management Recommendations:

41 Breakneck Rd: Much of area fairly bare with high grazing pressure, fencing of orchids to allow them to get through to seed set would likely assist in recruitment.

990 Buttermans Trk: Very good orchid diversity on this block, the top northern section has lots of spider orchids (*C. phaeclavia* and *C. tentaculata*) unfortunately *Briza* is starting to take over here and this would be a good potential site for CHLG to trial some *Briza* control methods.

79 Calwell Rd: Much of area fairly bare with high grazing pressure, fencing of orchids to allow them to get through to seed set would likely assist in recruitment.

109 Calwell Rd: In fairly good condition possibly the occasional burgen control could be warranted.

100 Dawson Rd: At least two introduced *Oxalis* species invading from council roadside (NW section of property) towards good orchid habitat. Southern section heavily grazed, possible some exclusion fencing would increase diversity there?

40 Dean Rd: In good condition particularly the northern section, possibly some exclusion fencing in the SE section could assist recruitment in this region.

114 McKinnon Tce: In good condition the western bush section of property.

110 McKinnon Tce: Lower Ridge above gully in good condition, gully does have a weed problem but unlikely to spread to drier sites on ridge.

14 Moorool Crt: Much of area fairly bare with high grazing pressure, fencing of orchids to allow them to get through to seed set would likely assist in recruitment.

2 Muir Rd: Ridge country in good condition though some weed problem spreading off Skyline Rd. Gullies have some weed problems.

40 Muir Rd: Ridge country in good condition some weed problems in gullies.

109 Reeves Rd: Ridge country in good condition and most of the controllable gully weeds under control. Unfortunately not sure you can do anything to stop Sweet Vernal Grass in the gullies except restrict it there.

60 Scholz Rd: Lower NW section in good condition, continued work probably required to stop the encroachment of Burgen on to this area.

10 Scholz Rd: Slashed area has made an artificial *Themeda* grassland which supports a number of orchid species. There is the potential for Spanish heath to become a problem in some regions.

71 School Ln: Surprisingly good Sun-orchid rich grassland on cuttings, important that council management plans protects these areas.

190 Scott Rd: Helen's pre-fire orchid list compared to the current list indicates how poor this period in the post fire regeneration is for orchids. Thick wattle growth, while only temporary, is not good for orchids. Also nutrient load post fire tends to support introduced weeds over natives. Hopefully overtime nutrient levels in the soil will decrease tipping the balance back to natives like *Drosera*. Some success in restoring native grasslands has been achieved by sugaring which promotes the flush of soil microbes speeding up nutrient exhaustion in the soil. I'm unsure whether this technique is beneficial in other vegetation types?

1004 & 1010 Skyline Rd: Not high orchid diversity country, some *Pittosporum* control would be beneficial.

1252 Skyline Rd: Area has same post fire problems as 190 Scott Rd.

1073 Skyline Rd: Only far northern section has orchids, encroachment of blackberries onto this area is a possible future concern.

792 Skyline Rd: Good quality grassy woodland with little or no weed problems. Maintaining current management regime is probably safest option.

1055 Skyline Rd: High quality orchid country, there is a bad outbreak of *Agapanthus* in the NE section of property.

1405 Skyline Rd: High diversity orchid country pre-fire, currently orchids are generally found only in patches in which trees have maintained their crowns. Hopefully with time the orchids will come back to the heavily burnt sections also (see under 190 Scott Rd and 50 Wallace Rd).

4 Tanderum Way: Mainly colonising orchid species in back paddock, some temporary exclusion fencing from emergence to seeding would probably increase numbers.

50 Wallace Rd: Fire affected high quality orchid country, laying of branches along hill contours (and other terracing methods) to disrupt water flows down exposed hillsides and to promote the build up of leaf, humus and topsoil could be of benefit to orchids. Currently there is probably very little recruitment occurring because of the exposed clayish subsoil is not particularly suitable for orchid seedling germination.

118 Wallace Rd: Good quality orchid country in good condition.

79 Westering Rd: Good quality orchid country in good condition.

Suitable sites for potential re-introduction:

***Caladenia rosella* – Rosella Spider-Orchid**

Habitat requirement: Dry ridges in sparsely grassed mixed box/stringybark and/or ironbark open woodland.

Other desirable factors: Healthy population of more common spider orchid species (probably share fungal requirements).

Suitable Sites

Private Land: 1055 Skyline Rd and possibly 109 Reeves Rd (back ridge).

Publicly Owned Land: Calwell Rd NCR & Orchard Hill MMBW Land.

***Caladenia oenochila* – Wine-lip Spider-orchid**

Habitat requirement: Grassy mixed box/stringybark and/or ironbark open woodland.

Other desirable factors: Healthy population of more common spider orchid species (probably share fungal requirements).

Suitable Sites

Private Land: 990 Buttermans Trk; 40 Dean Rd; 109 Reeves Rd; 1055 Skyline Rd; 118 Wallace Rd & 79 Westering Rd.

Publicly Owned Land: Calwell Rd NCR; Orchard Hill MMBW Land & Powerline Hill MMBW Land

***Pterostylis plumosa* – Bearded Greenhood**

Habitat requirement: Grassy mixed box/stringybark and/or ironbark open woodland.

Other desirable factors: Good orchid population.

Suitable Sites

Private Land: 990 Buttermans Trk; 40 Dean Rd; 114 McKinnon Tce; 2 Muir Rd; 109 Reeves Rd; 792 Skyline Rd; 1055 Skyline Rd; 118 Wallace Rd & 79 Westering Rd.

Publicly Owned Land: Calwell Rd NCR; Orchard Hill MMBW Land & Powerline Hill MMBW Land (note already present on the MMBW land).

***Pterostylis smaragdyna* – Emerald-lip Greenhood**

Habitat requirement: Grassy mixed box/stringybark and/or ironbark open woodland.

Other desirable factors: Good orchid population.

Suitable Sites

Private Land: 990 Buttermans Trk; 40 Dean Rd; 114 McKinnon Tce; 2 Muir Rd; 109 Reeves Rd; 792 Skyline Rd; 1055 Skyline Rd; 118 Wallace Rd & 79 Westering Rd.

Publicly Owned Land: Calwell Rd NCR; Orchard Hill MMBW Land & Powerline Hill MMBW Land.