

WHEN DO YOU NEED AN ECOLOGIST?

What does a Consultant Ecologist do?

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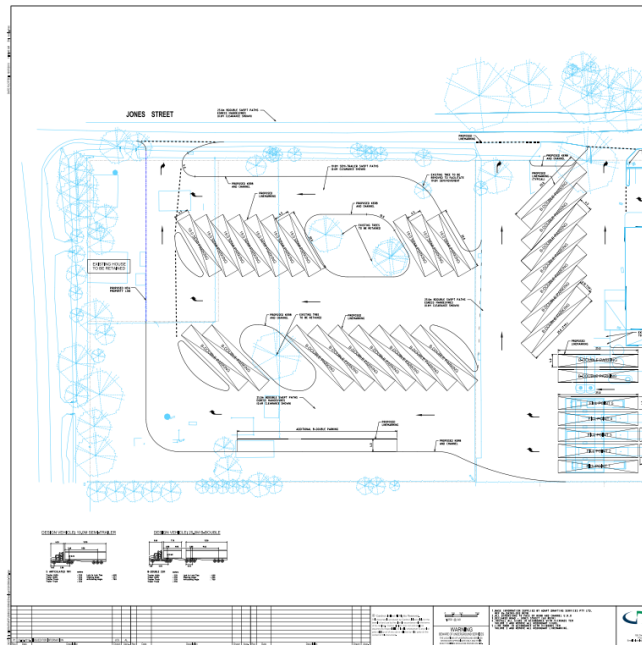
- Interprets the Environmental Laws and Regulations surrounding your project
- Equips the technical skills to assess and recommend steps towards the best outcome



Caladenia caerulea

How it Starts

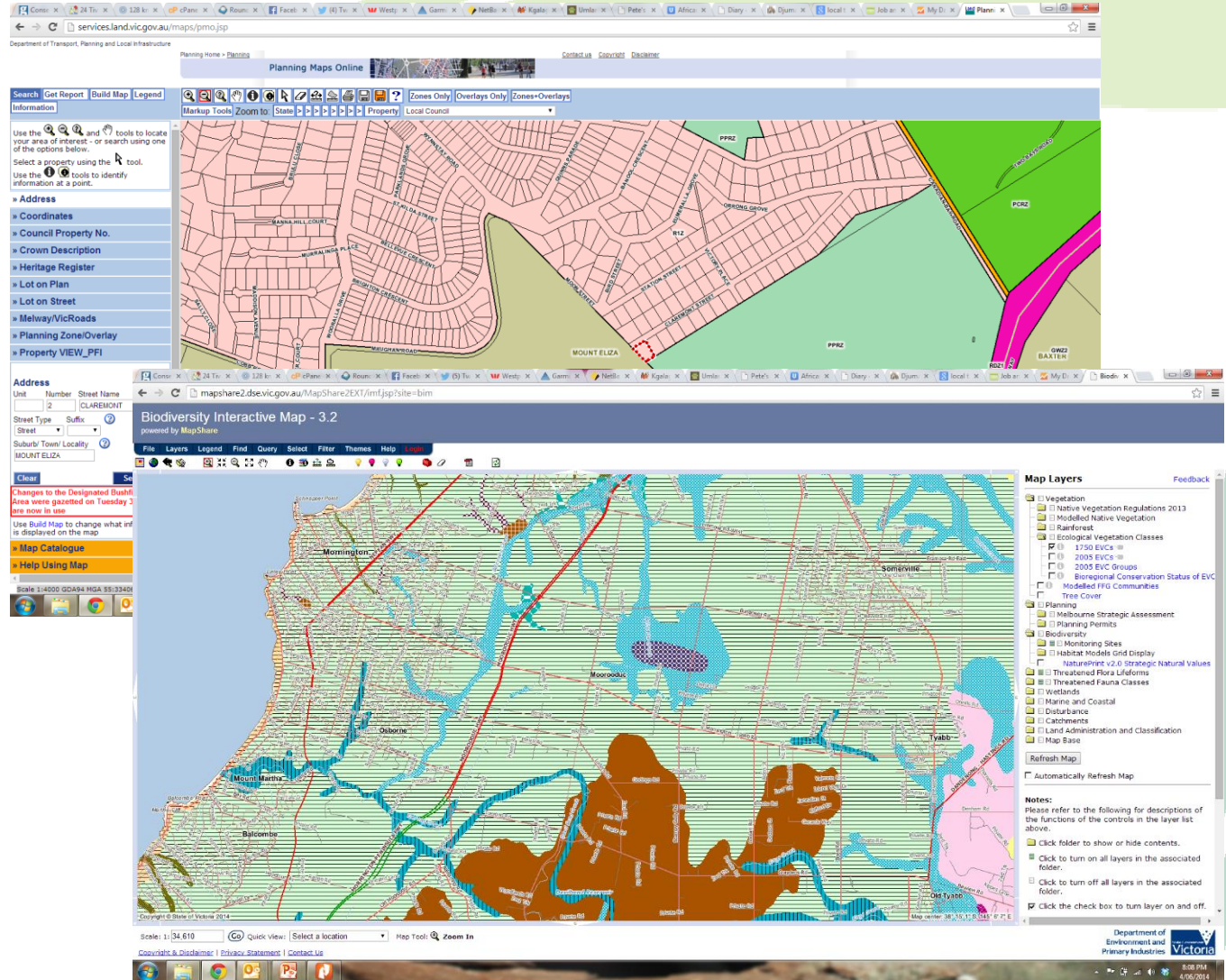
- Sub-division
- Obtaining or fulfilling a Planning Permit
- Park upgrades



- Road Maintenance
- Construction Management
- Working near water catchments



Desktop Assessment



The screenshot displays a desktop environment with multiple browser windows open, illustrating a workflow for desktop assessment.

Top Window: Planning Maps Online
 This window shows the Planning Maps Online interface. The left sidebar contains a search bar and a list of tools: Address, Coordinates, Council Property No., Crown Description, Heritage Register, Lot on Plan, Lot on Street, Melway/VicRoads, Planning Zone/Overlay, and Property VIEW_PFI. The main map area displays a residential area with various planning zones (PPRZ, PDRZ, etc.) and street names like BARKHILL COURT and MOUNT ELIZA. The bottom status bar shows the address: 2 CLAREMONT.

Bottom Window: Biodiversity Interactive Map - 3.2
 This window shows the Biodiversity Interactive Map - 3.2, powered by MapShare. The left sidebar contains a search bar and a list of tools: Address, Coordinates, Council Property No., Crown Description, Heritage Register, Lot on Plan, Lot on Street, Melway/VicRoads, Planning Zone/Overlay, and Property VIEW_PFI. The main map area displays a large-scale map of the Melbourne area, showing various planning zones (PPRZ, PDRZ, etc.) and street names like BARKHILL COURT and MOUNT ELIZA. The bottom status bar shows the address: 2 CLAREMONT.

Map Layers Panel (Right):
 The Map Layers panel on the right side of the Biodiversity Interactive Map window lists various layers and their status (checked/unchecked):
 - Vegetation: Native Vegetation Regulations 2013, Modelled Native Vegetation, Rainforest, Ecological Vegetation Classes (1750 EVCs, 2005 EVCs, 2005 EVC Groups, Bioregional Conservation Status of EVC, Modelled FFU Communities, Tree Cover)
 - Planning: Melbourne Strategic Assessment, Planning Permits
 - Biodiversity: Monitoring Sites, Habitat Models Grid Display, Natural Heritage v2.0 Strategic Natural Values, Threatened Flora Lifeforms, Threatened Fauna Classes, Wetlands, Marine and Coastal, Disturbance, Catchments, Land Administration and Classification, Map Base
 - Refresh Map: Automatically Refresh Map

Notes:
 Please refer to the following for descriptions of the functions of the controls in the layer list above:
 - Click folder to show or hide contents.
 - Click to turn on all layers in the associated folder.
 - Click to turn off all layers in the associated folder.
 - Click the check box to turn layer on and off.

Bottom Window: Map Catalogue
 The Map Catalogue window shows a list of maps and their status (checked/unchecked):
 - Map Catalogue
 - Help Using Map



Field Assessment



Growling Grass Frog Survey

Requires a minimum of two nocturnal surveys when temperatures are above 14°C (October – December)



Kangaroo Management Plan

Requires a minimum of three surveys, one at dusk and one dawn

Field Assessment



Golden Sun Moth Survey

Requires a minimum of two surveys (December – January) that must be conducted on hot summer days when the temperature is around 30 degrees



Striped Legless Lizard Surveys

- 50 Tiles per Grid
- Embed tiles for 3 months
- Conduct at least 6 surveys
- Record species observed

Apply the Legislation

National Status

*Environment
Protection and
Biodiversity
Conservation Act
1999 (Cth)*



Growling Grass Frog



Striped Legless Lizard

Victorian Status

*Flora and Fauna
Guarantee Act
1988 (Vic)*



Annual Fireweed



Barking Owl1

Apply the Legislation

Planning and Environment Act 1987 (Vic)

If the removal of native vegetation cannot be avoided, offsets must be acquired.

Catchment and Land Protection Act 1994 (Vic)

Obligation to manage noxious weeds.

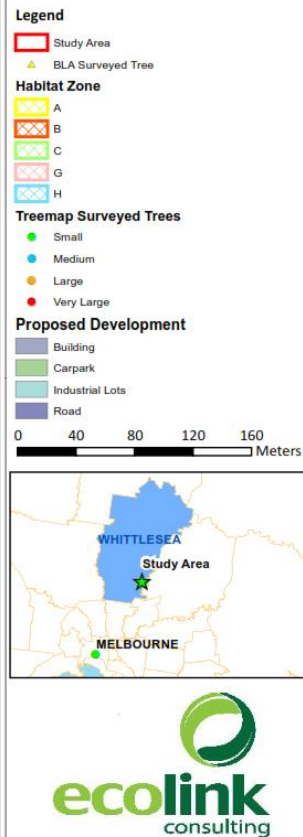
Wildlife Act 1975 (Vic)

All native vertebrate wildlife is protected.



Make Some Maps

Figure 3: Results of the Brett Lane and Associates Assessment.



PIN 1046b Figure 3, December 2013. Source: Vegetation BLA 2013. Trees: Treemap spatial layer 135and165CombinedTrees.shp. Development Layout: CAD Drawing 0312-0354-UD 01-04 - McDoanlds Road South Morang

Deliver the Report



Implement the Recommendations



Any Questions?

