



Significant Natural Area Assessment			
Project No: 11001/003	Property Name: <i>Mt Burke</i> Site Name: <i>Mt Burke SNA B</i>	Ecologist: <i>Glenn Davis</i> Date: <i>2 September 2010</i>	
Survey Undertaken By: <i>Glenn Davis and Ralph Henderson</i>		Waypoint No (mid-point of area): <i>E: 220 9462</i> <i>N: 5613658</i>	
LENZ Unit: <i>Q2.2a</i> Ecological District: <i>Wanaka Ecological District</i>		Photo No.(s): <i>See below.</i>	
Topography: <i>Hillslope</i>	Slope: <i>20°</i>	Altitude: <i>400 - 800 masl</i>	Aspect: <i>NW</i>
Threatened Environment Status: <i>Critically underprotected</i>		Area Size (ha): <i>56.97</i>	
Representativeness: Historically halls totara, kanuka, kowhai woodland is understood to have been a dominant indigenous vegetation cover in the drier areas of the Wanaka Ecological District and Lakes Ecological Region.			
Are there threatened species expected/identified in the survey area? If so, list species and threat status.			
Threatened Species		Threat Status	
<i>None observed.</i>			
Provide onsite description of vegetation: Vegetation type: Woodland dominated by kanuka but also contains a stand of halls totara (<i>Podocarpus cunninghamii</i>) on rubbly slopes at the head of the catchment and kowhai (<i>Sophora</i> sp.) in the upper kanuka forest. Other indigenous species recorded include manuka (<i>Leptospermum scoparium</i>), native broom (<i>Carmichaelia petriei</i>), <i>Coprosma propinqua</i> , <i>Coprosma parviflora</i> , matagouri (<i>Discaria toumatou</i>), <i>Olearia nummularifolia</i> and porcupine scrub (<i>Melicytus alpinus</i>).			
Provide onsite description of fauna habitat: The kanuka dominated woodland will provide habitat for a range of indigenous forest birds and invertebrates.			
Threats/Risks to vegetation and flora/fauna species? (Weeds, predators, current management practices): Mature wilding conifers have established within the proposed SNA and appear to be spreading and are a threat to the existing woodlands and shrublands. Additional threats include grazing from rabbits and hares, and possums.			

Rarity:

The threatened environment classification identifies the Q2.2a environment to have 39.92% indigenous vegetation cover remaining with 5.07% protected. Both halls totara and kowhai are rare in the Lakes Ecological Region.

Area Size and Shape (degree to which the area may be or is becoming self-sustaining):

The proposed SNA is a large area consisting of the whole of the south face of the catchment to the west and south of Little Mount Maude.

Diversity and Pattern (is there a notable range of species and habitats, aspects, sequences?):

The proposed SNA contains a range of communities including tall kanuka woodland, halls totara dominated woodland, kanuka/kowhai woodland and shrublands containing matagouri, Coprosma spp., native broom and koromiko.

Distinctiveness/special ecological characteristics (unusual veg. & landform features, distribution limits?):

The shrubland is distinctive within the ecological district for the presence of halls totara and kowhai.

Connectivity (how is the site connected to surrounding communities/areas?):

The shrubland is directly connected to a large area of dryland forest located to the north and east of Mt Maude.

Sustainability (does the site possess the resilience to maintain its ecological integrity and processes?):

The proposed SNA is a large area containing a range of vegetation types. The vegetation has prospered over a long period and maintained its ecological integrity and processes.

Recommendation (Accept/Decline):

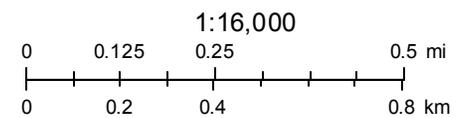
The woodland is a good example of vegetation that is representative of this environment. Given the high level of representativeness and rarity of halls totara and kowhai woodland in the Wanaka Ecological District and LENZ unit Q2.2a, we consider the area should be considered for designation as a SNA.

Figure 1: The area of potential significance - Mt Burke SNA B - B3B.



September 29, 2014

- Proposed Significant Natural Area
- Parcels
- Proposed Significant Natural Area



Please note the area shown is indicative and only for discussion purposes.



Figure 2: A photo approximately 1 km from the proposed *Mt Burke SNA B*.