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<b>Significant Natural Area Assessment</b>			
Project No: <i>11011/030</i>	Property Name: <i>Lake McKay Station</i> Site Name: <i>Luggate Crk SNA D</i>	Ecologist: <i>Glenn Davis</i> Date: <i>2 February 2012</i>	
Survey Undertaken By: <i>Glenn Davis, Ralph Henderson</i>		Waypoint No (mid-point of survey area): <i>See attached plan for location</i>	
LENZ Unit: <i>N4.1d</i> Ecological District: <i>Wanaka Ecological District</i>		Photo No.(s): <i>No photos.</i>	
Topography: <i>Creek gully system</i>	Slope: <i>Moderate to steep</i>	Altitude: <i>approx. 500 m asl</i>	Aspect: <i>Various</i>
Threatened Environment Status: <i>Chronically threatened</i>		Area Size (ha): <i>82.64</i>	
Representativeness: Kanuka woodland, which is highly representative of the pre-settlement vegetation.			
Are there threatened species expected/identified in the survey area? If so, list species and threat status.			
Threatened Species		Threat Status	
<i>Falco novaezealandiae</i> "eastern" (eastern NZ Falcon)		At Risk – Recovering	
Provide onsite description of vegetation:			
Vegetation type: Kanuka woodland – kanuka woodland is dominated by kanuka but also includes a range of other shrubland species such as matagouri, native broom, <i>Coprosma propinqua</i> and the lianes: <i>Rubus</i> spp and <i>Muehlenbeckia</i> spp..			
Degree of Modification: The area will have been disturbed by fire historically but has not been disturbed for a long period given the presence of a well-developed kanuka cover.			
Overall Health: The area is in excellent overall health.			
Provide onsite description of fauna habitat:			
A range of passerines will be present such as grey warbler, brown creeper, fantail and tomtit. This vegetation is also expected to provide good habitat for a range of lizard species including the threatened jewelled gecko.			
Threats to vegetation and flora/fauna species? (Weeds, predators, current management practices):			
Existing farming management practices are clearly sympathetic to the kanuka woodland, therefore there is a low risk of intentional disturbance to the woodland. There is however a threat of inadvertent fire.			

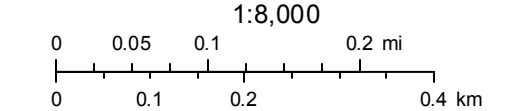
<p>Rarity: The threatened environment classification identifies the N4.1d environment to have 18% indigenous vegetation cover remaining and 2% under formal protection.</p>
<p>Area Size and Shape (degree to which the area may be or is becoming self-sustaining): The area is situated on the rocky north and south faces of Luggate Creek.</p>
<p>Diversity and Pattern (is there a notable range of species and habitats, aspects, sequences?): The kanuka woodland has a range of shrubland species representative of the area and will also provide habitat for a range of bird and lizard species.</p>
<p>Distinctiveness/special ecological characteristics (unusual veg. &amp; landform features, distribution limits?): The size of the kanuka woodland is distinctive and is a good representation of the pre-settlement vegetation.</p>
<p>Connectivity (how is the site connected to surrounding communities/areas?): The kanuka is directly connected to kanuka woodland within the Luggate Creek scientific reserve and in close proximity to the woodland in Alice Creek.</p>
<p>Sustainability (does the site possess the resilience to maintain its ecological integrity and processes?): The management of the site is clearly sympathetic to the maintenance of the indigenous vegetation and it is of a size that is sustainable.</p>
<p>Recommendation (Accept/Decline): Highly representative vegetation in a chronically threatened environment that is self-sustaining and providing excellent habitat for a range of bird, lizard and invertebrate species. We recommend this area is considered as a Significant Indigenous Vegetation and Fauna Habitat.</p>

Figure 1: The area of potential significance - Luggate Crk SNA D - E30D.



October 5, 2014

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



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