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Significant Natural Area Assessment			
Project No: <i>11001/018</i>	Property Name: <i>Allenby Farms</i> Site Name: <i>Mt Iron SNA C</i>	Ecologist: <i>Glenn Davis</i> Date: <i>17 November 2011</i>	
Survey Undertaken By: <i>Glenn Davis and Ralph Henderson</i>		Waypoint No (mid-point of survey area): <i>See aerial photograph for site location.</i>	
LENZ Units: <i>N4.1d</i> Ecological District: <i>Wanaka Ecological District</i>		Photo No.(s): <i>No photos.</i>	
Topography: <i>Gentle slope.</i>	Slope: <i>Variable</i>	Altitude: <i>400 masl</i>	Aspect: <i>Various</i>
Threatened Environment Status: <i>Chronically threatened</i>		Area Size (ha): <i>48.08</i>	
<p>Representativeness: Pre-settlement vegetation representative of N4 LENZ environments is understood to have consisted of kanuka, matagouri, coprosmas, olearias, native brooms and kowhai. The vegetation on the Allenby Farms site is dominated by kanuka woodland but lacks the diversity of the original vegetation cover. The existing vegetation remains a degraded form of the original community.</p>			
<p>Are there threatened species expected/identified in the survey area? If so, list species and threat status. No threatened species expected, the eastern falcon may hunt in the Mt Iron area and its threat status is 'At Risk – Recovering'.</p>			
Threatened Species		Threat Status	
<i>None observed</i>			
<p>Provide onsite description of vegetation: Vegetation type: <i>Kanuka woodland.</i> Degree of Modification: <i>The area has experienced extensive historical disturbance with the lack of woodland diversity a clear indication species have been lost through multiple disturbance events. Notwithstanding this point, the kanuka woodland remains a representative example of a community within the N4 LENZ unit.</i></p>			
<p>Provide onsite description of fauna habitat: The kanuka woodland is expected to provide habitat for the following species: Birds – indigenous insectivorous birds including bellbird, fantail, grey warbler, tomtit and possibly tui. Herpetofauna – Common skink, McCanns skink, Southern Alps Gecko and Cromwell Gorge Gecko. Invertebrates – A kanuka woodland canopy has closed in some places and will provide the conditions for the development of a litter layer which will support a range of invertebrates.</p>			

<p>Threats to vegetation and flora/fauna species? (Weeds, predators, current management practices):</p> <p>Key threats include grazing of regenerating shrubland and the risk of inadvertent events such as fire.</p>
<p>Rarity:</p> <p>The threatened environment classification identifies indigenous vegetation cover associated with the N4.1d environment to be chronically threatened with only 18.6% indigenous vegetation cover remaining and 2.3% formally protected. The 'proposed National Policy Statement on Indigenous Biodiversity' considers indigenous vegetation within this environment should be considered significant under section 6c of the RMA.</p>
<p>Area Size and Shape (degree to which the area may be or is becoming self-sustaining):</p> <p>The kanuka woodland on the Allenby Farms is directly connected to the kanuka woodland that covers the rest of Mt Iron and is a key component of Mt Iron kanuka woodland community.</p>
<p>Diversity and Pattern (is there a notable range of species and habitats, aspects, sequences?):</p> <p>The kanuka woodland has a generally low level of botanical diversity.</p>
<p>Distinctiveness/special ecological characteristics (unusual veg. & landform features, distribution limits?):</p> <p>Mt Iron is a roche moutonee that is a distinctive geological feature of the Wanaka area.</p>
<p>Connectivity (how is the site connected to surrounding communities/areas?):</p> <p>The woodland is directly connected to other areas of indigenous cover on Mt Iron, including the DOC administered Mt Iron Scenic Reserve.</p>
<p>Sustainability (does the site possess the resilience to maintain its ecological integrity and processes?):</p> <p>The kanuka woodland is sustainable and has the ability to keep regenerate even in the event of disturbances such as fire.</p>
<p>Recommendation (Accept/Decline):</p> <p>The vegetation and habitat is a degraded representation of the original vegetation cover of Mt Iron. Notwithstanding this point, the kanuka woodland is representative of this environment and forms part of a relatively extensive area of indigenous vegetation within a chronically threatened environment.</p> <p>Based on the above considerations we recommend this area for inclusion as an area of Significant Indigenous Vegetation and Fauna Habitat.</p>

Figure 1: The area of potential significance - Mt Iron SNA C - E18C.



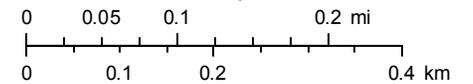
February 4, 2015

Proposed Significant Natural Area

□ Parcels

□ Proposed Significant Natural Area

1:8,000



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