Appendix I: Threatened and historically rare ecosystems

Table 4: Land Environments of New Zealand (LENZ): threat classifications relating to Taranaki

Threat category	Acutely threatened	Chronically threatened	At risk	Critically under protected	Under protected	No threat category
Criteria	<10% native cover remaining	10 – 20% native cover remaining	20 – 30% native cover remaining	>30% native cover remaining		
				<10% legally protected	10 – 20% legally protected	>20% legally protected
LENZ IV in Taranaki	A5.1c, A5.3a, A5.3b, A7.2c	B1.3a		A6.1c		A1.1a
	C1.2a, C1.3a, C2.1a, C3.1a, C3.1b, C3.2b, C3.2c, C3.2d	C1.1a				C1.1b, C1.1c
		D2.1b	D2.2a, D2.3a		D2.3c	D1.1c, D1.1e, D2.1a, D2.3b, D4.1c, D4.1d
	F4.1a, F5.2a, F5.2b, F5.2c, F6.1d, F7.1c	F1.1e, F1.4a	F1.1c, F1.3a, F7.1b, F7.2a, F7.3c		F6.1a	F1.1b, F1.1d, F1.3b, F5.2c, F5.3a, F5.3b, F6.2a, F7.2b, F7.3a
	G3.3a		G1.1d		G5.1a	
	H1.3a, H3.1b	H1.2b, H1.2c			H1.3b	H2.2a, H4.1a, H4.1b, H4.1c,
	J4.1c, J4.2a	J4.2b, J4.3b				P4.1b, P4.1c, P7.1a, P7.1b, P7.1c, P8.2a, P8.2b

For a description of LENZ classifications, refer to website http://www.landcareresearch.co.nz/databases/lenz/products_techguide.asp.

Table 5: Historically rare ecosystems

Coastal systems	Inland and alpine systems with raw or recent soils	Semi-subterranean	Other inland systems
Dune deflation hollows Shell barrier beaches (Chenier plain) Coastal turf Stony beach ridges Shingle beaches Coastal rock stacks Coastal cliffs on silicic bedrock Coastal cliffs on silicic-intermediate rock Mafic coastal cliffs Calcareous coastal cliffs Ultramafic sea cliffs Marine mammal influenced sites	Inland saline (salt pans) Strongly leached terraces & plains ("Wilderness" vegetation) Cloud forest Geothermal systems	Sinkholes Cave entrances	Volcanic dunes Calcareous screes Ultramafic screes Young tephra (<500 years) plains and hillslopes Recent lava flows (<1000 years) Old tephra (>500 years) plains (= "frost flats") Frost hollows Boulderfields of silicic-rocks Boulderfields of silicic-intermediate rocks (non-volcanic) Volcanic boulderfields Debris flow or lahar Boulderfields of calcareous rocks Ultramafic boulderfields Cliffs, scarps & tors of silicic rocks Mafic cliffs, scarps & tors Calcareous cliffs, scarps & tors Ultramafic cliffs, scarps & tors Ultramafic hills Inland sand dunes Inland outwash gravels Braided riverbeds Granitic sand plains Granitic gravel fields Sandstone erosion pavements Limestone erosion pavements

The following list has been compiled from scientific research undertaken by Landcare Research. The ecosystem types listed are not necessarily found in all regions or districts, and some will be protected on public conservation land. For further information on historically rare ecosystems, refer to website http://www.biodiversity.govt.nz/pdfs/protecting-our-places-detail.pdf.