
MIDDLEMISS SUBMISSIONS

Issues Hearing - 8th October 2019

Ecological Enhancement Subdivision Mapping Examples

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Table 2. Summary of total land area for Threatened Environment Categories within the Waikato District.

Category	Category Criteria	Percentage of land in Waikato District	Area (ha) of land in Waikato District
1	<10% indigenous cover remaining	44.10%	191,448
2	10–20% indigenous cover remaining	25.55%	110,928
3	20–30% indigenous cover remaining	8.15%	35,387
4	>30% indigenous cover remaining and <10% legally protected	0.02%	107
5	>30% indigenous cover remaining and 10–20% legally protected	0.17%	717
6	>30% indigenous cover remaining and >20% legally protected	22.01%	95,577

Table 3. Matrix of Significant natural areas in each LENZ TEC category (in hectares) in the Waikato District for each SNA ranking score. Undetermined LENZ sites are located primarily along the Waikato River excluding many riparian SNA.

SNA Ranking	1	2	3	4	5	6	Undetermined	Total
International	2,735	3,510	4				0	6,250
National	1,555	2,121	3,003	7	325	24,148	92	31,253
Regional	2,588	3,837	1,093		53	9,717	246	17,534
Local	3,114	3,056	1,705	11	10	6,385	28	14,309
Likely	345	406	276		0	727		1,755
Indeterminate	570	724	577		1	1,195	4	3,071
Not Significant	398	404	233		5	767	5	1,812
TOTAL	11,306	14,059	6,892	18	394	42,941	374	75,984

5.2 At Risk, Threatened and Notable Species and Other Significant Features

A total of 105 nationally threatened and at risk species (53 flora species and 52 fauna species), as defined by the Department of Conservation, have been recorded as being present within the Waikato District defined by the Department of Conservation (e.g. Robertson *et al.*, 2017; Hitchmough *et al.*, 2016; O'Donnell *et al.*, 2012; de Lange *et al.*, 2013; Goodman *et al.*, 2014; Grainger *et al.*, 2014) as recorded in the BioWeb spatial dataset (administered by DOC), BIMS spatial dataset, and NZFFDB (administered by NIWA), and from records held by Kessels Ecology. These threatened species are listed in Table 4 to Table 9. Threat classification was determined using the New Zealand Threat Classification System manual (Townsend *et al.*, 2008) depicted in Figure 4.

The threat status of species is important and has had a significant bearing on the SNA assessment. The most up-to-date threat status rankings were used for this assessment (e.g. Robertson *et al.*, 2017; Hitchmough *et al.*, 2016; O'Donnell *et al.*, 2012; de Lange *et al.*, 2013; Goodman *et al.*, 2014;

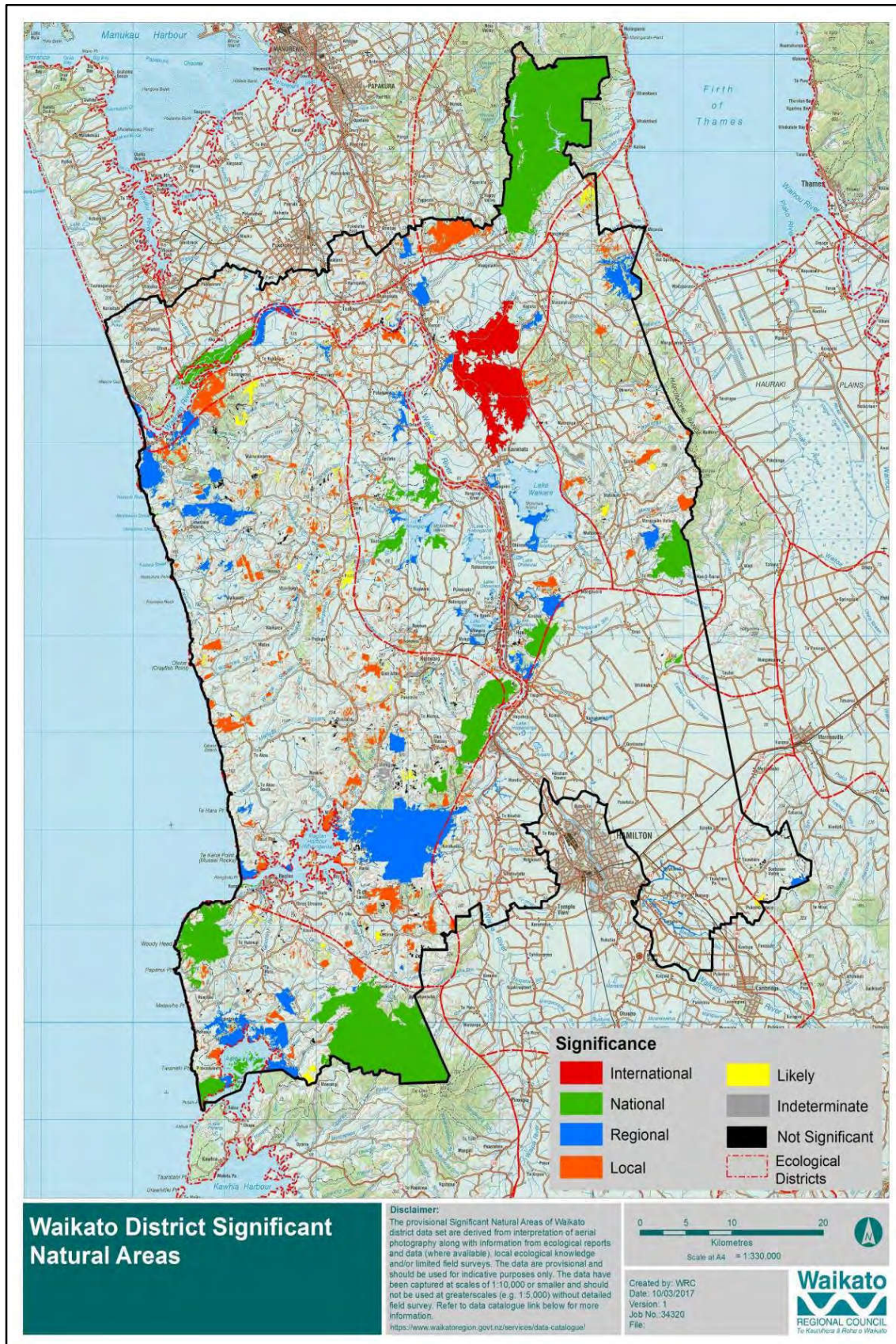
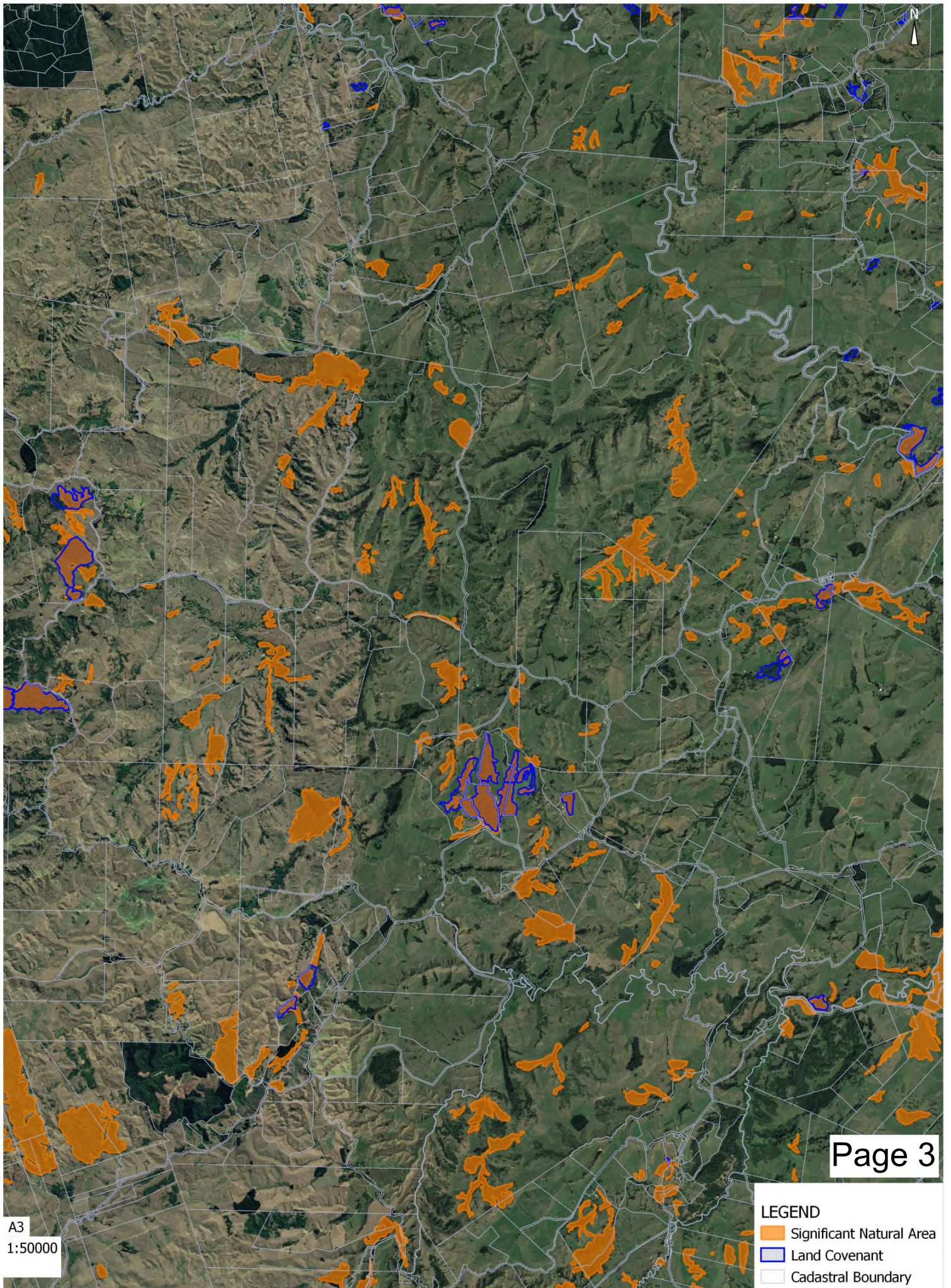


Figure 5. Significant Natural Areas of the Waikato District



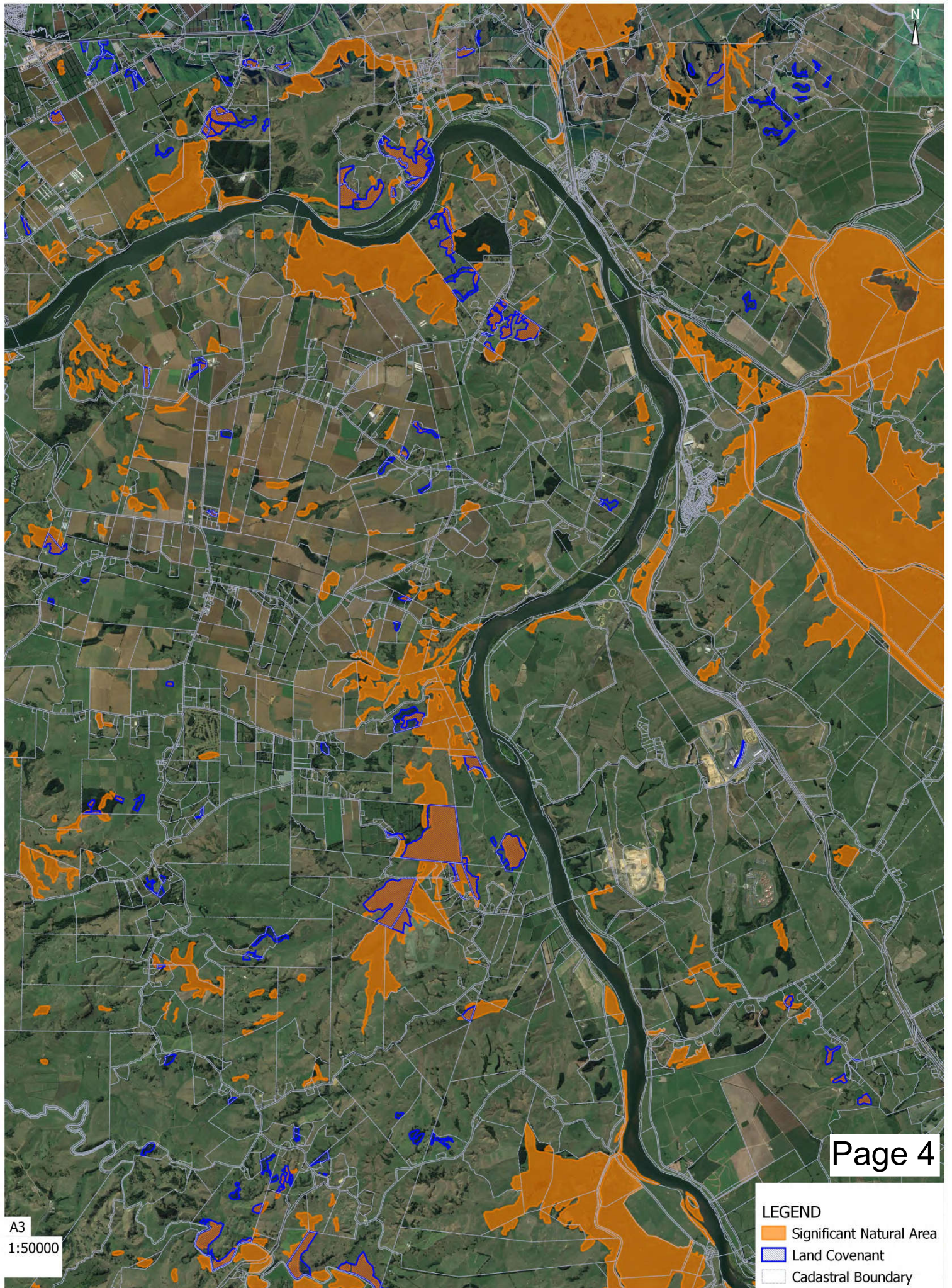
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LEGEND

- Significant Natural Area
- Land Covenant
- Cadastral Boundary

SOURCE (27/9/2019)
Aerial Image: Google Earth
SNA: Koordinates.com
Cadastral Boundary: Land Information N.Z

WAIKATO DISTRICT - SIGNIFICANT NATURAL AREAS



A3
1:50000

LEGEND

- Significant Natural Area
- Land Covenant
- Cadastral Boundary

SOURCE (27/9/2019)
Aerial Image: Google Earth
SNA: Koordinates.com
Cadastral Boundary: Land Information N.Z

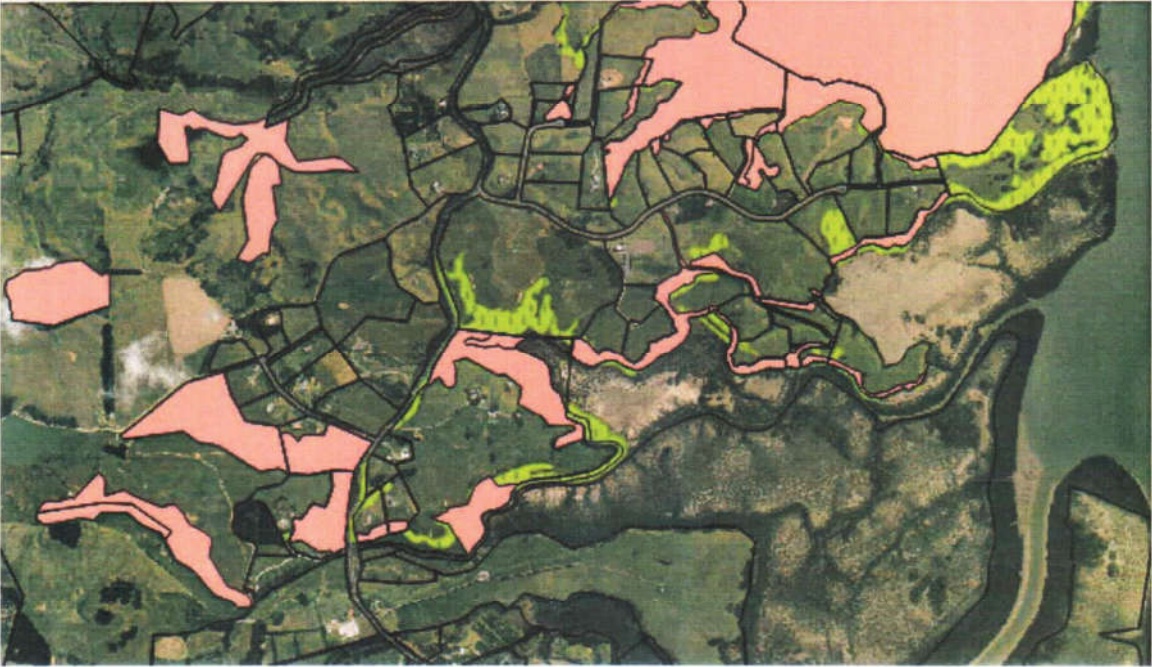
WAIKATO DISTRICT - SIGNIFICANT NATURAL AREAS

SHEET 4 OF 4

Northern South Kaipara Head Area
(Existing Covenants Pink, uncovenanted SNA green)



Existing Covenants (Pink) In Parts of the South Kaipara Head Area Showing Linkages and Wildlife Corridors That are Forming. Green are uncovenanted SNA as per the Operative Rodney Plan



Central South Kaipara Head Area

Existing Covenants Pink, Unconvenanted SNA Green



