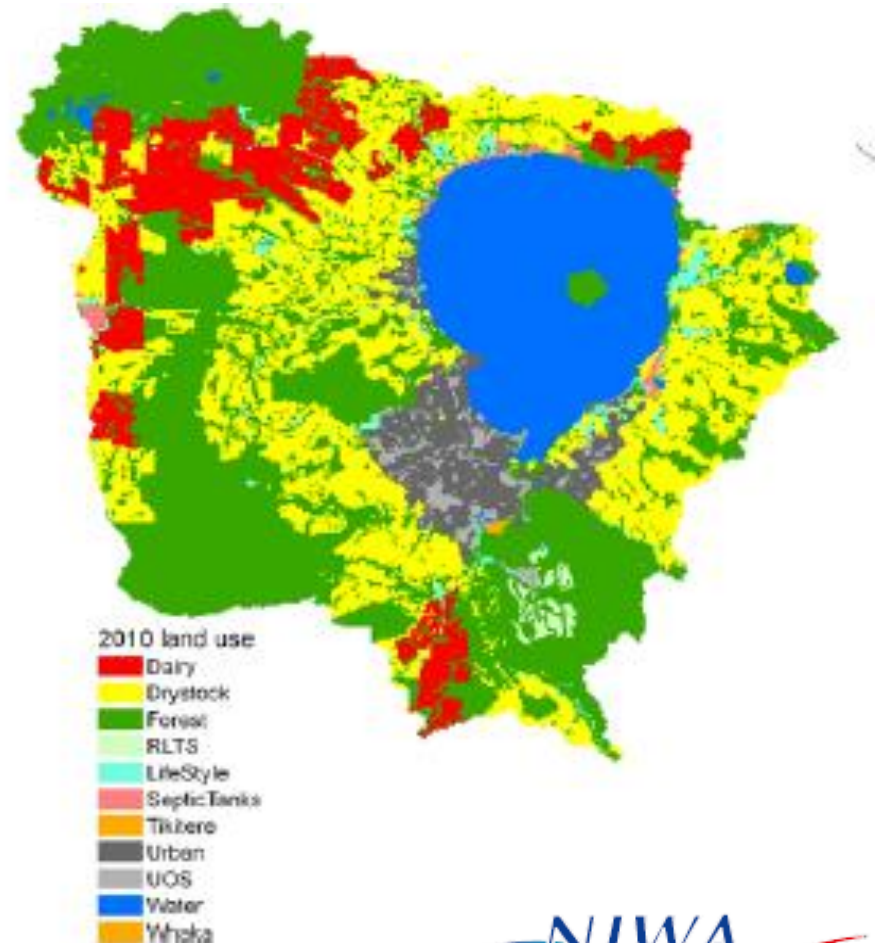


Lake Rotorua Catchment

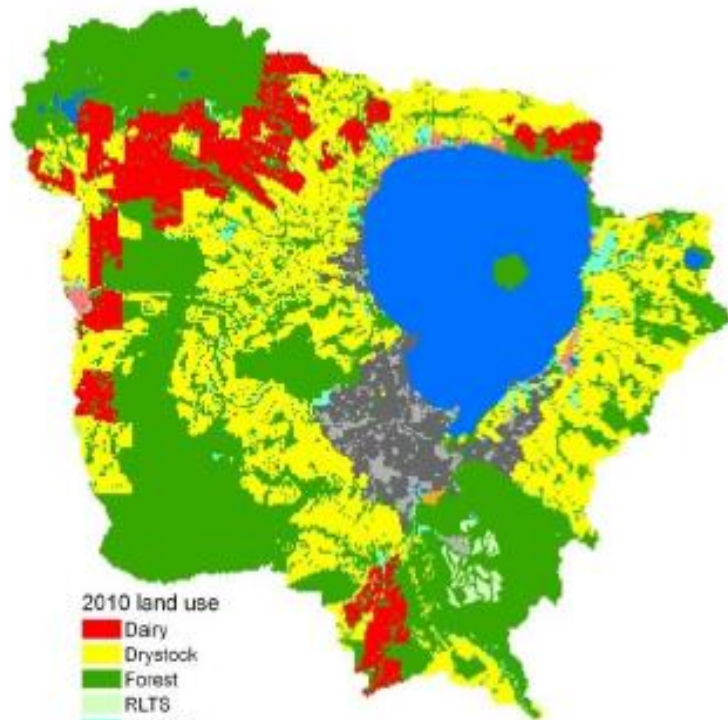


Land Use 1940 and 2010



One scenario: 350 t N/y removed

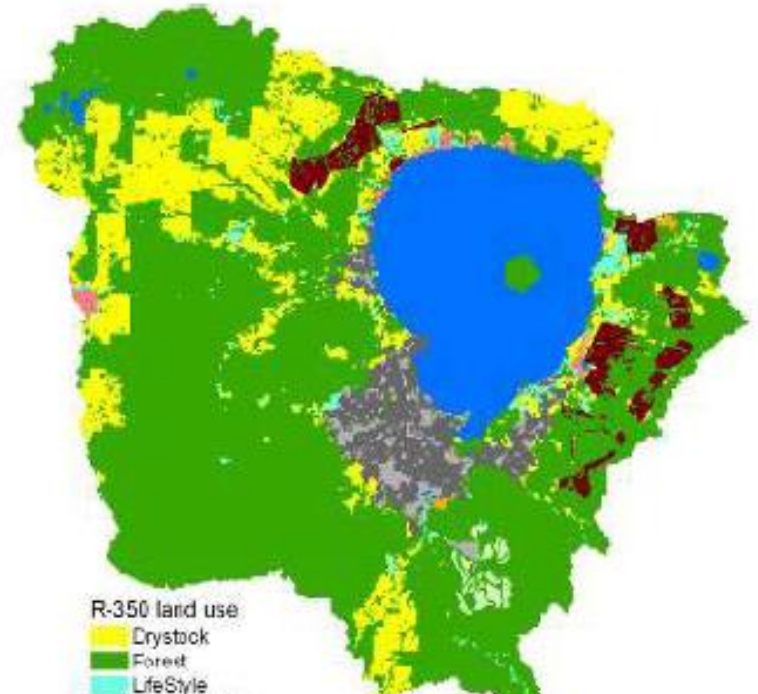
R-0



2010 land use

- Dairy
- Drystock
- Forest
- RLTS
- LifeStyle
- SepticTanks
- Tikitere
- Urban
- UOS
- Water
- Whaka

R-350



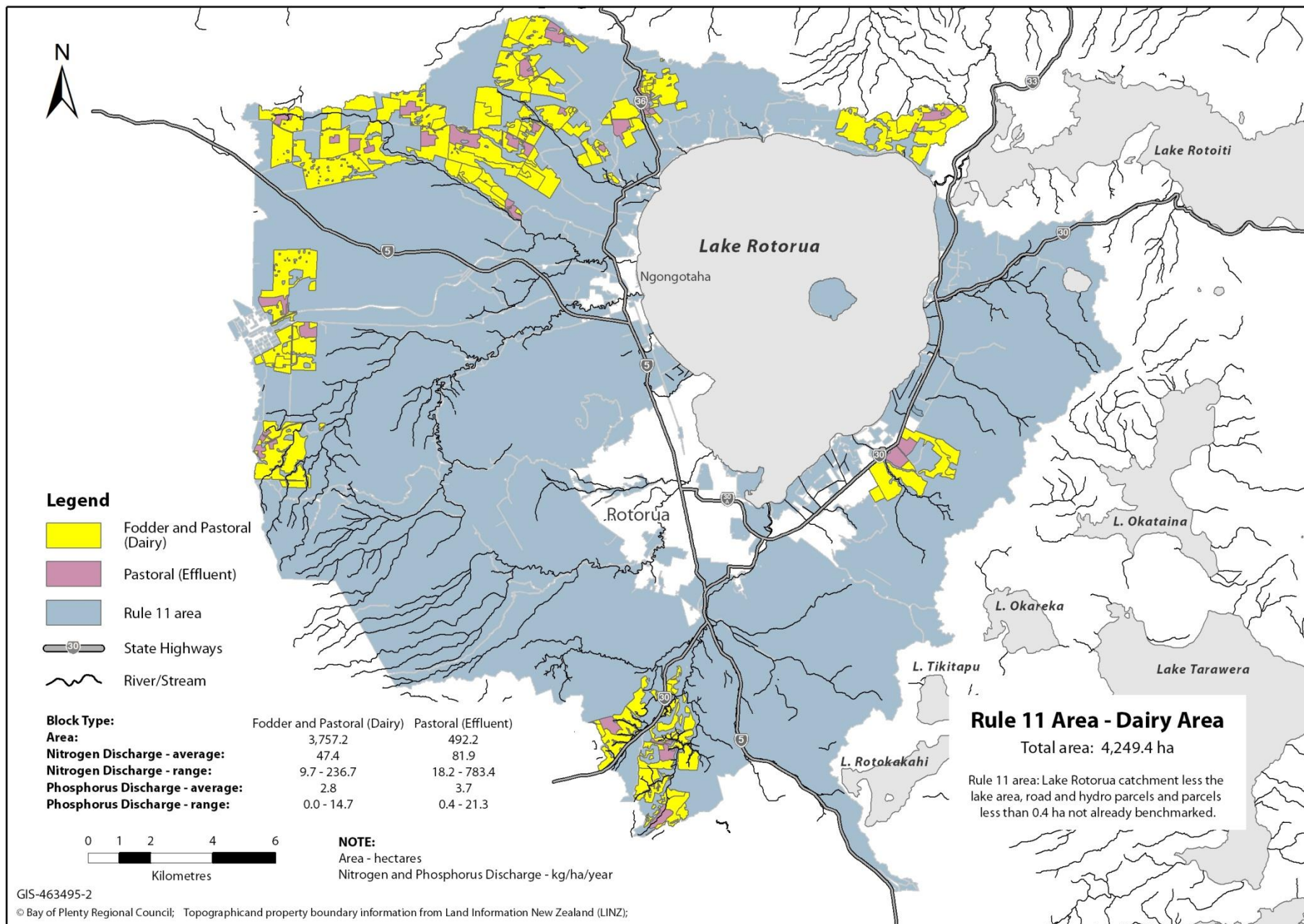
R-350 land use

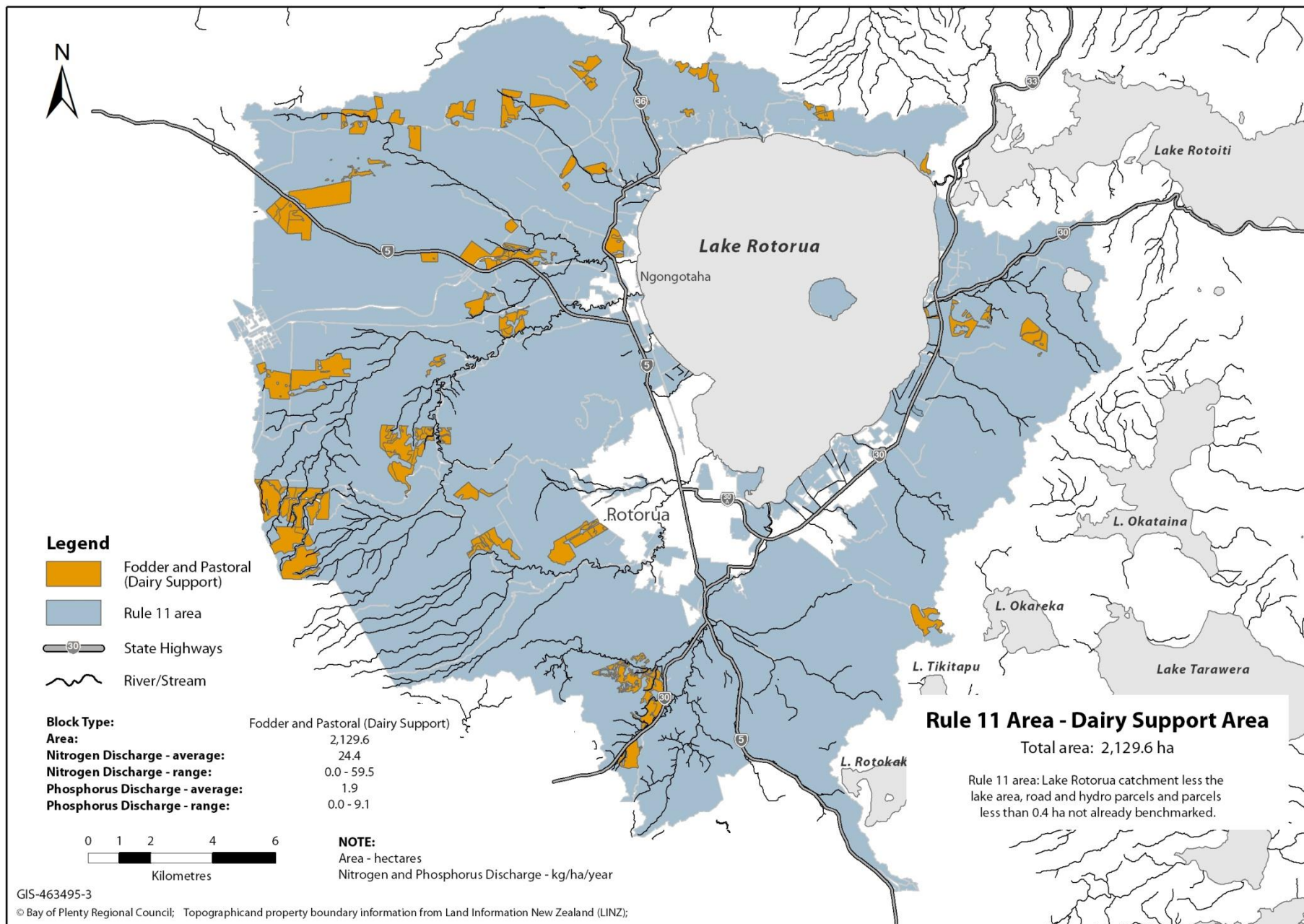
- Drystock
- Forest
- LifeStyle
- NewLifeStyle
- RLTS
- SepticTanks
- Tikitere
- Urban
- UOS
- Water
- Whaka

Lake Rotorua Catchment Boundaries

Lake Rotorua Catchment Description	Area (ha)
Groundwater (GNS 2014)	45,721
Surface runoff (total	42,258
Surface runoff Rule 11 (within BOP region only)	40,758

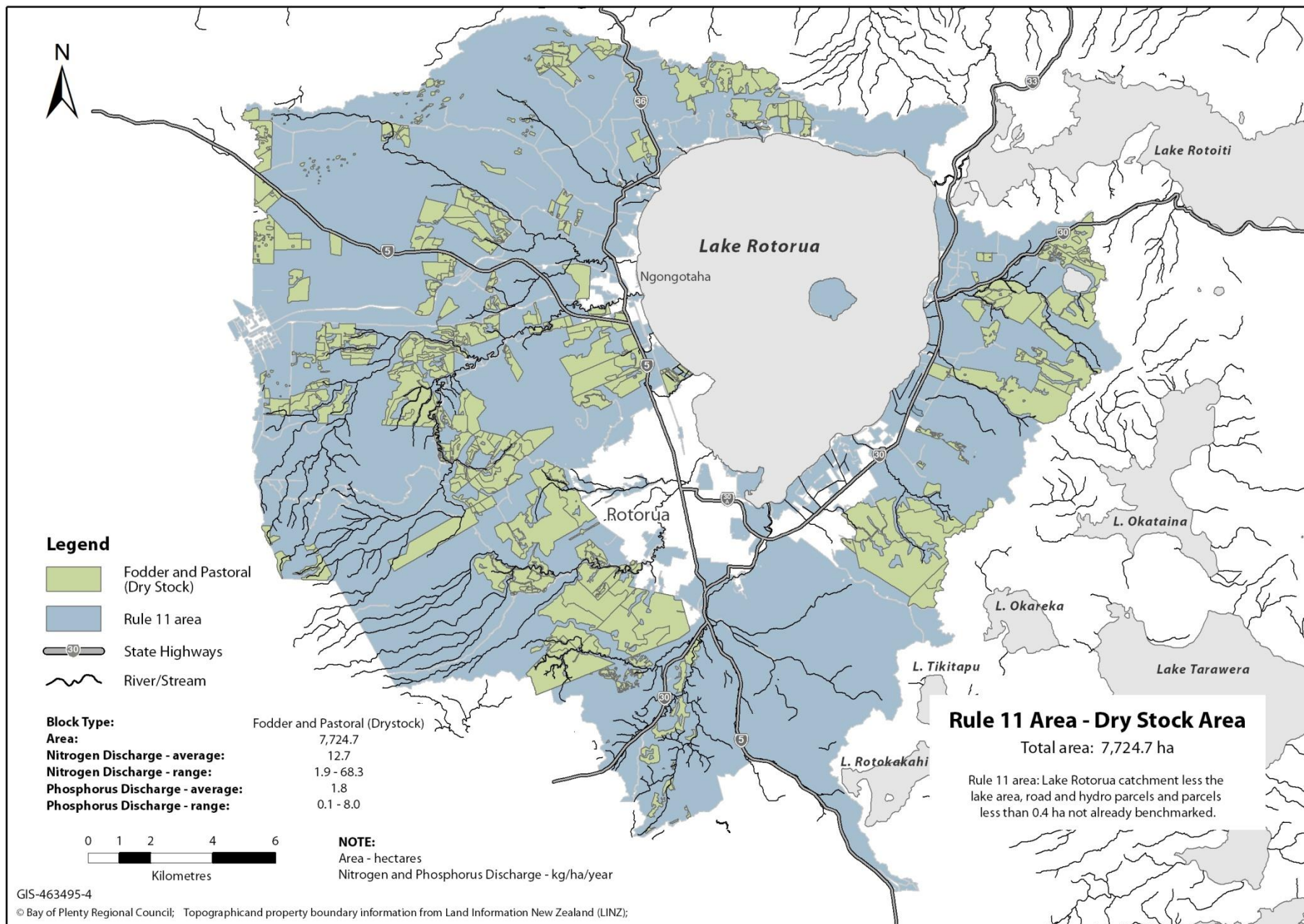


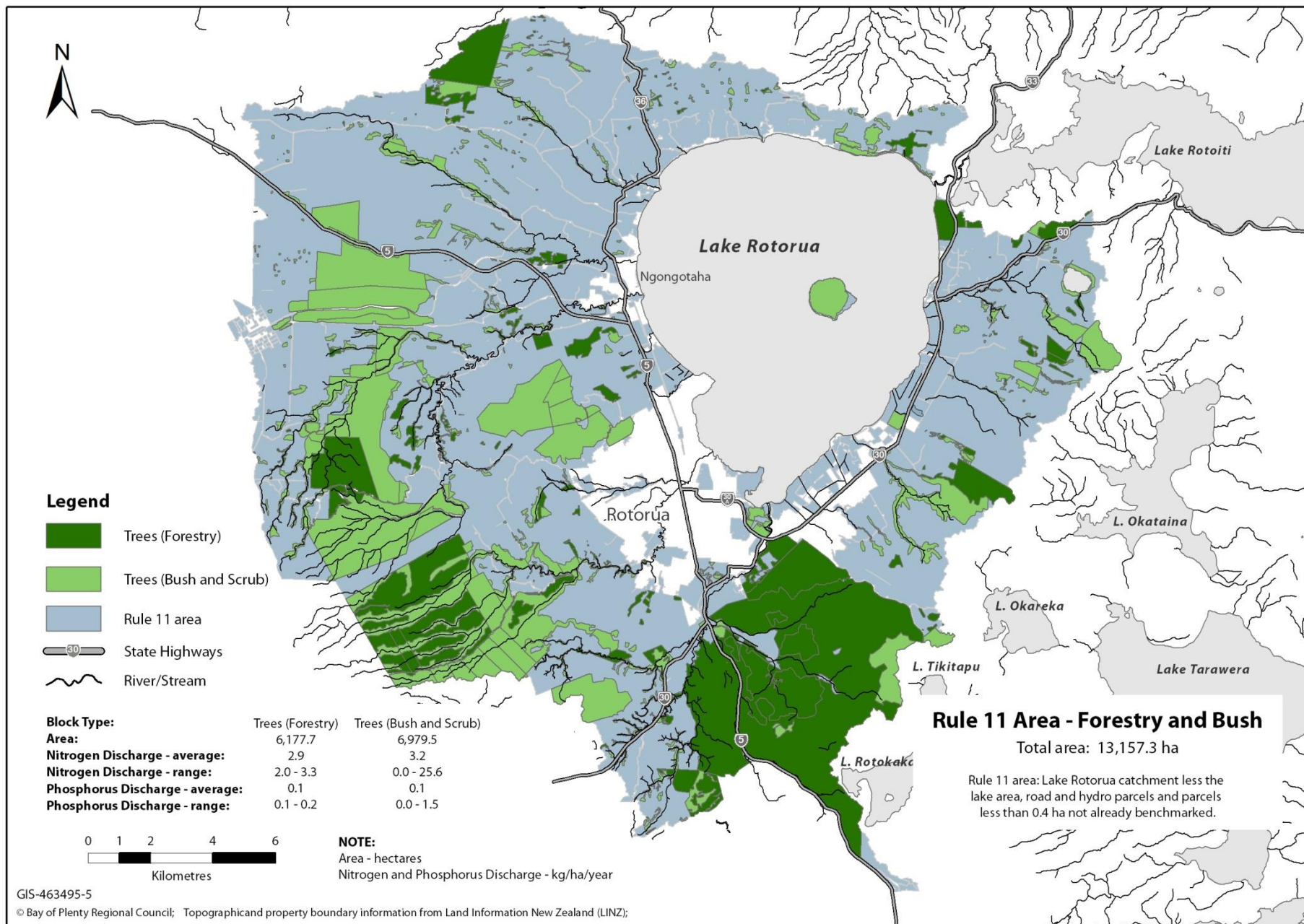


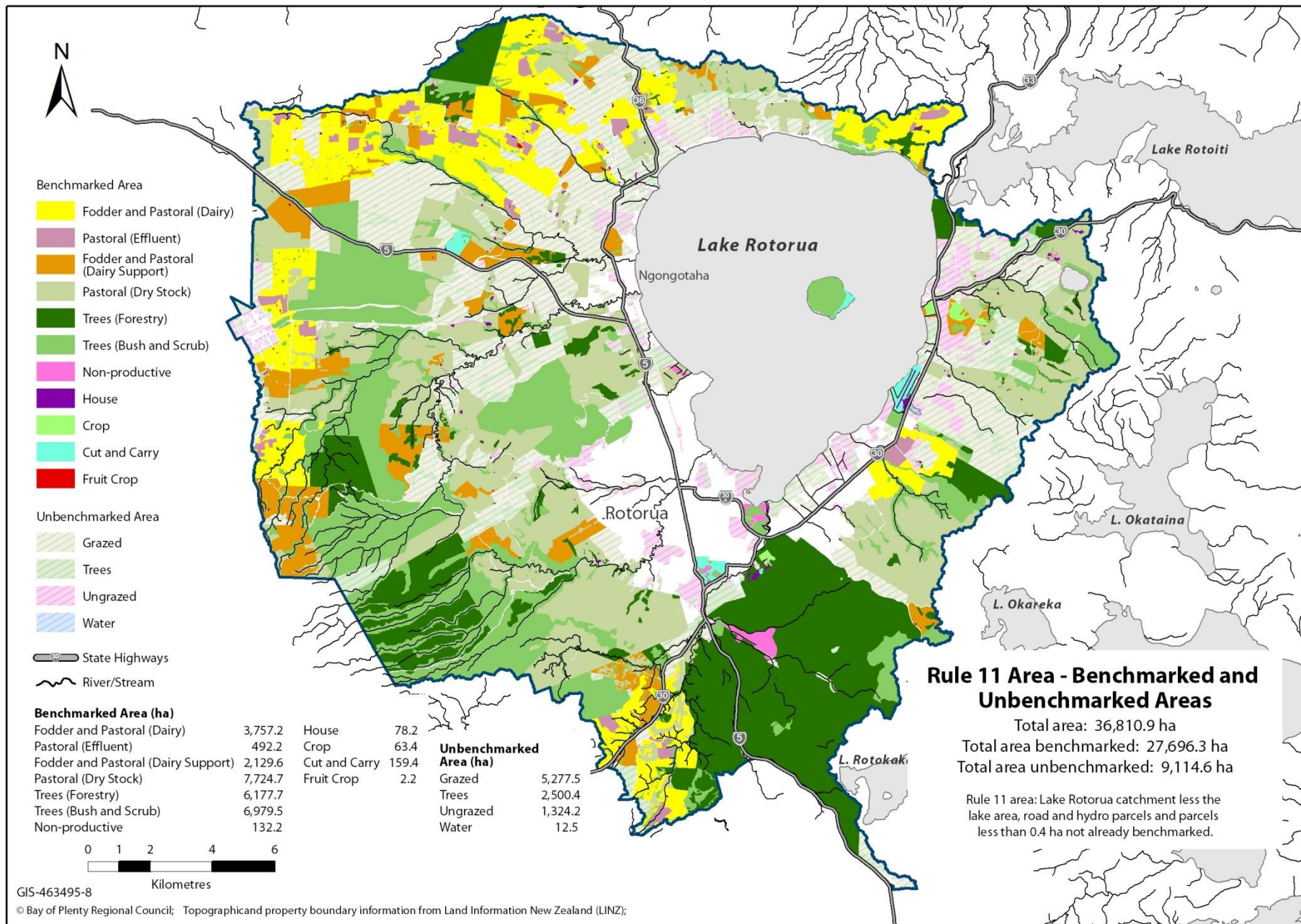


GIS-463495-3

© Bay of Plenty Regional Council; Topographic and property boundary information from Land Information New Zealand (LINZ);







Legend

SoilsNZOrder_clipRotan

NZ_ORDER

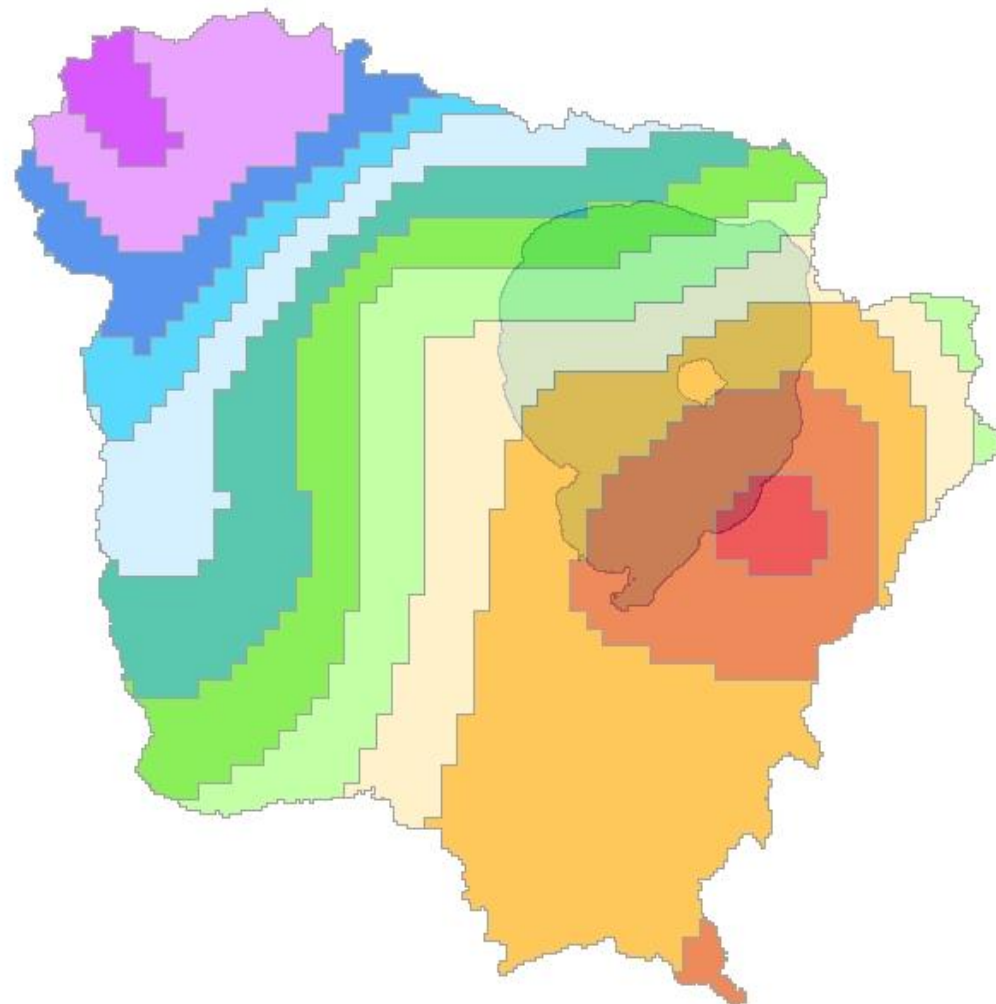
- Allophanic
- Organic
- Podzol
- Pumice
- Raw
- Recent

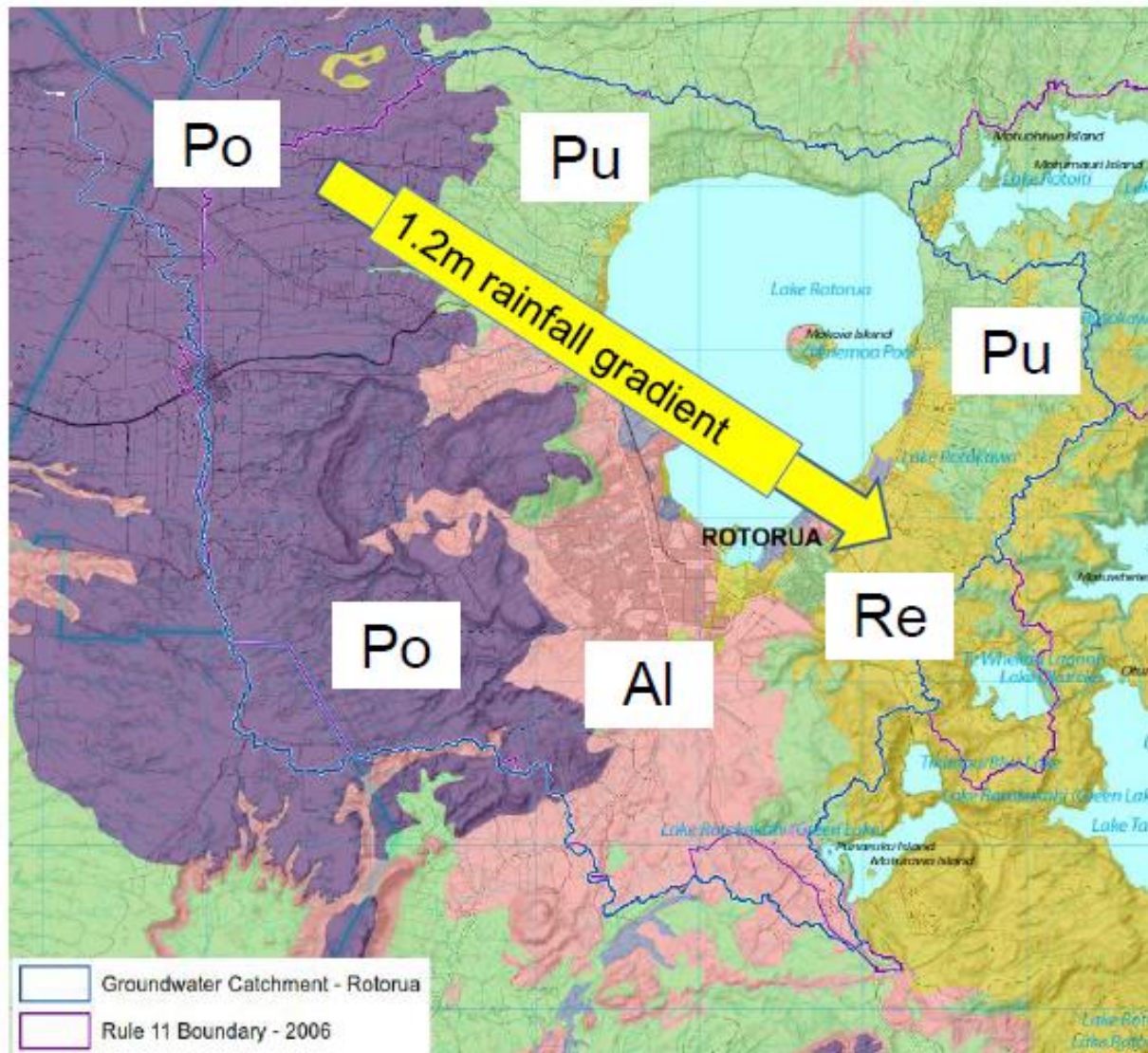


0 2 4 8 12 16 Kilometers

Legend

RainBand

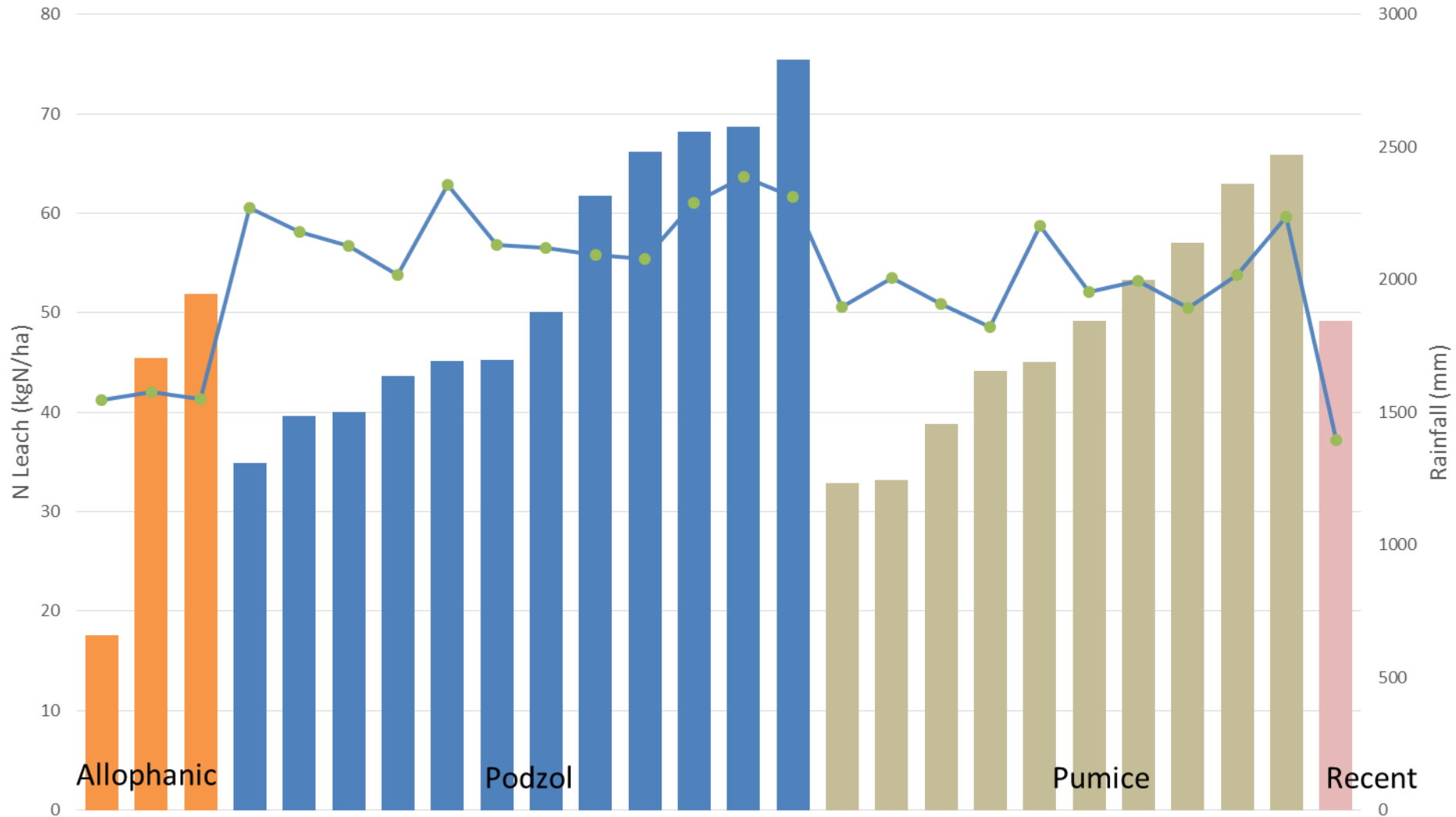




Pu – Pumice
Po – Podzol
Al – Allophanic
Re - Recent

N leaching vs. Soil Type and Rainfall - DAIRY

Dairy Milking Platform: N leaching rates in relation to soil type and rainfall



Land Use Capability Classes for Lake Rotorua Catchment

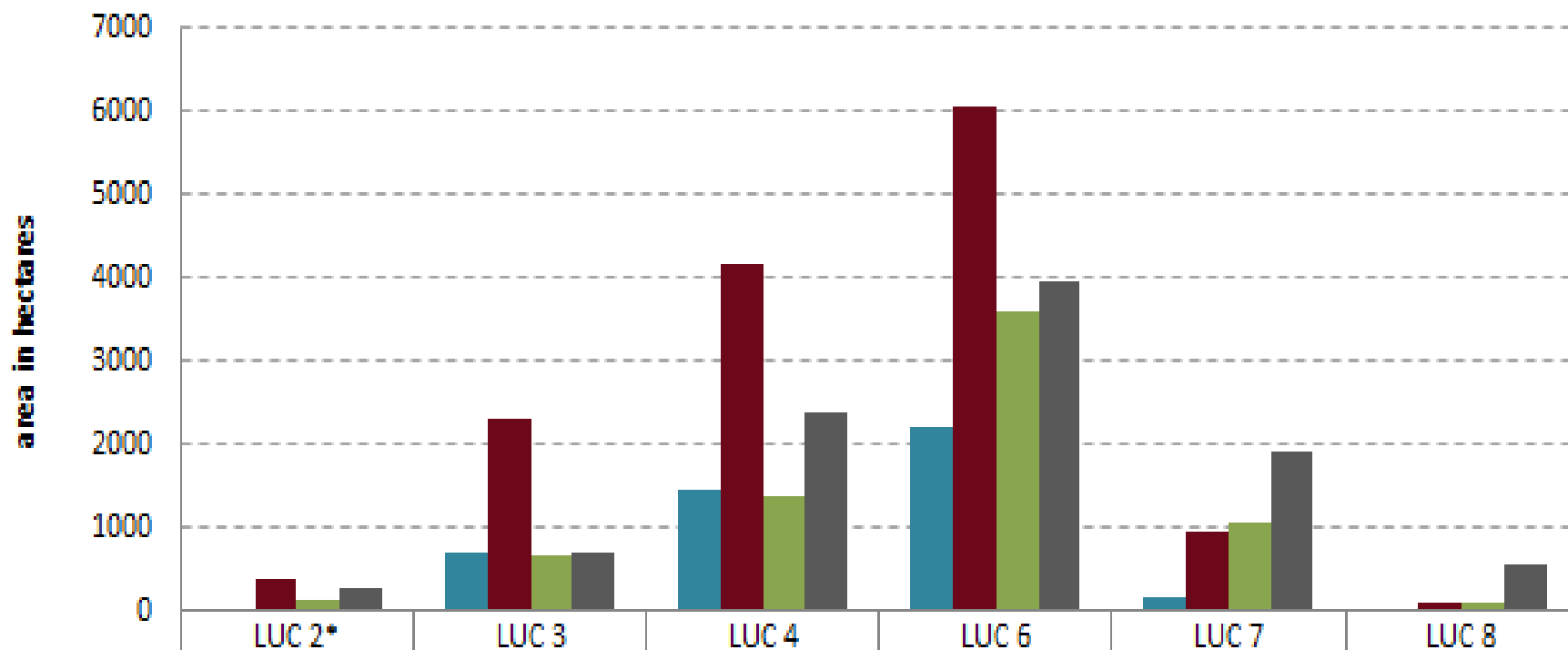
LUC Class	Area (Ha)	Proportion of total area (%)
1	11,356	23.4%
2	664	1.4%
3	5,219	10.7%
4	10,120	20.8%
6	16,251	33.5%
7	4,182	8.6%
8	761	1.6%
TOTAL	48,555	100.0%

Land Use Capability Class by Land Use

Land use	LUC I	LUC II	LUC III	LUC IV	LUC VI	LUC VII	LUC VIII	Total
Beef	5.2	80.7	395.5	414.2	516.4	35.1	25.1	1,472.2
Bush	244.6	30.7	694.2	2,382.0	3,953.0	1,908.5	555.6	9,768.7
Dairy	0.2	0.0	701.1	1,444.5	2,188.8	156.3	8.2	4,499.2
Deer	0.0	0.0	215.4	620.7	715.4	102.5	16.9	1,671.0
Other	2,889.0	321.2	842.5	748.4	439.9	76.9	1.1	5,319.0
Pines	113.9	15.6	662.5	1,377.9	3,608.5	1,064.6	101.1	6,944.0
Sheep	0.0	3.6	8.3	28.4	64.4	13.8	0.0	118.6
S&B	77.5	206.5	1,684.8	3,089.9	4,753.8	820.0	53.3	10,685.8
Water	8,026.0	5.8	15.0	14.1	11.0	5.0	0.0	8,077.0
Total	11,356.6	664.1	5,219.3	10,120.1	16,251.3	4,182.8	761.2	48,555.5

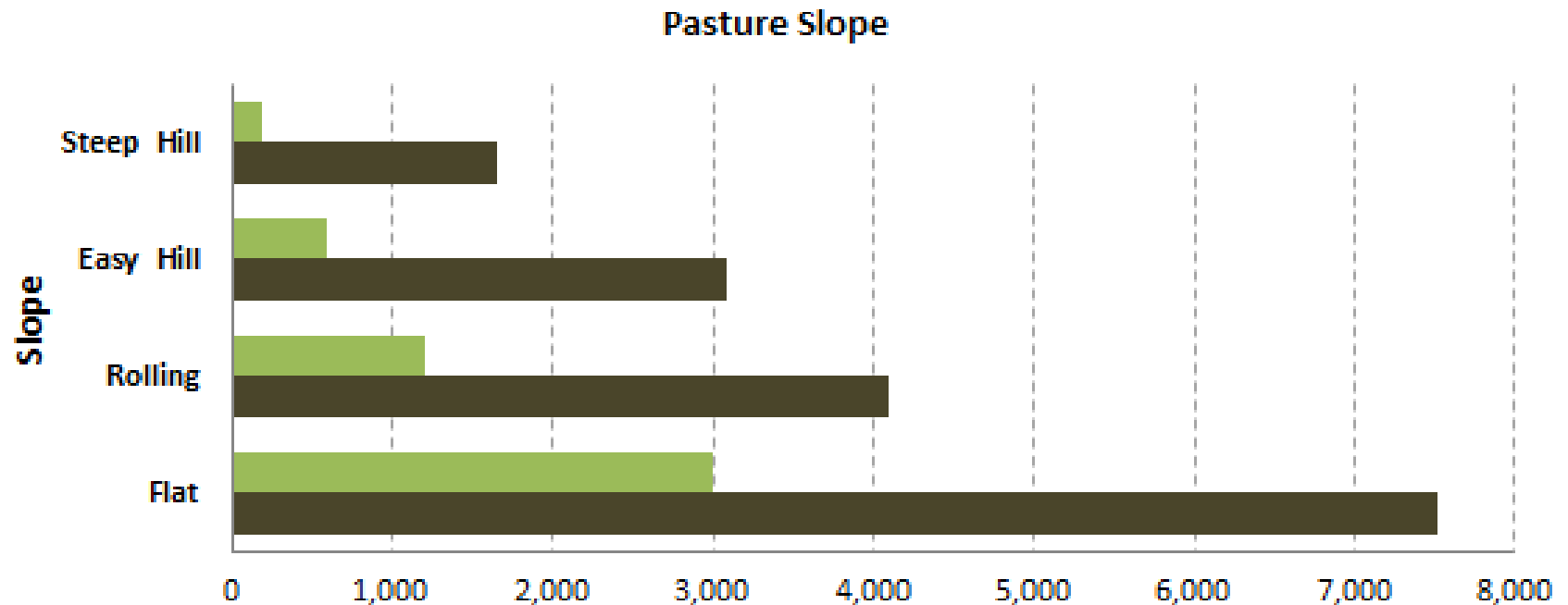
Land Use by LUC

Land Use by LUC



dairy	0	701	1444	2189	156	8
drystock	374	2304	4153	6050	972	95
pines	130	662	1378	3608	1065	101
bush	275	694	2382	3953	1909	556
Total	779	4362	9358	15800	4101	760

Pasture Slope



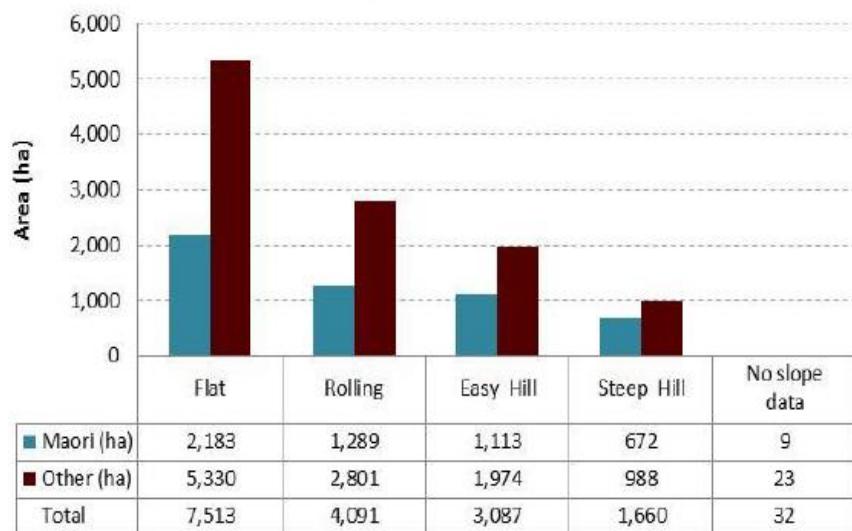
	Flat	Rolling	Easy Hill	Steep Hill
■ Dairy (ha)	3,006	1,206	584	185
■ Drystock (ha)	7,513	4,091	3,087	1,660
All Pasture	10,520	5,296	3,671	1,845

Flat	0° - 7.9°
Rolling	8.0° - 15.9°
Easy Hill	16.0° - 25.9°
Steep Hill	26° +

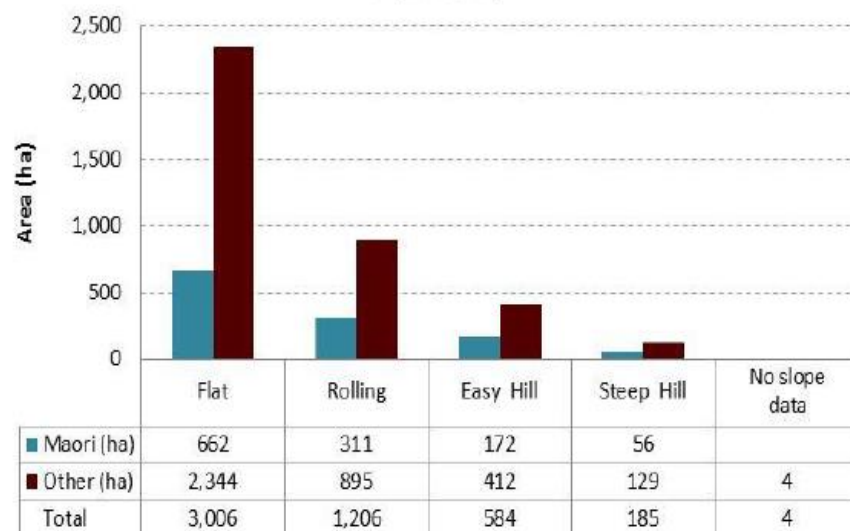
	Flat	Rolling	Easy Hill	Steep Hill
drystock	46%	25%	19%	10%
dairy	60%	24%	12%	4%
subtotal	49%	25%	17%	9%

Pasture Slope by Sector

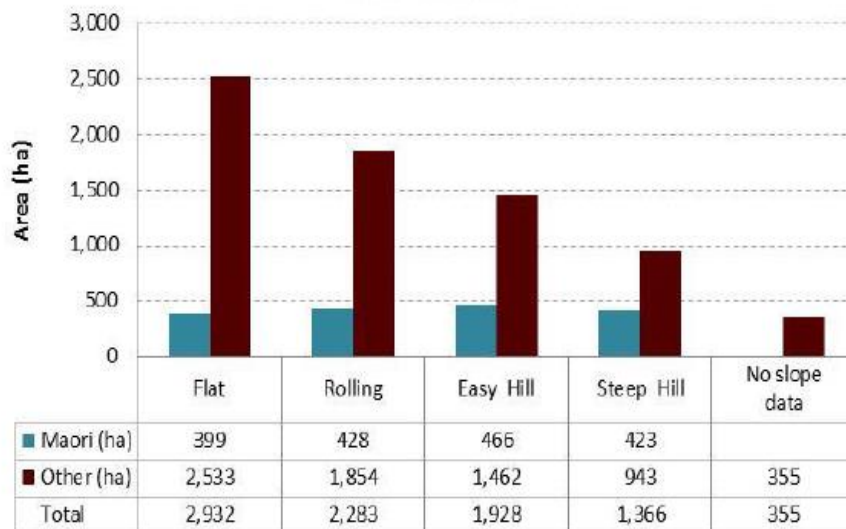
Slope - Drystock



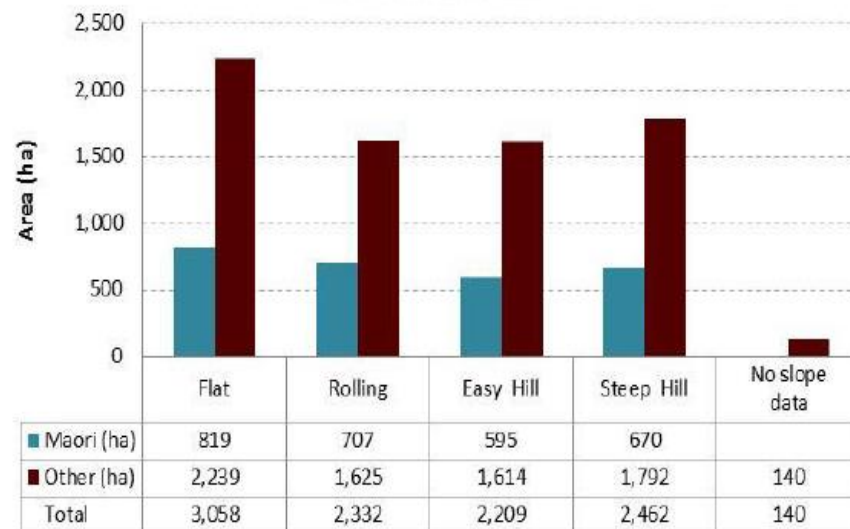
Slope - Dairy



Slope - Forestry

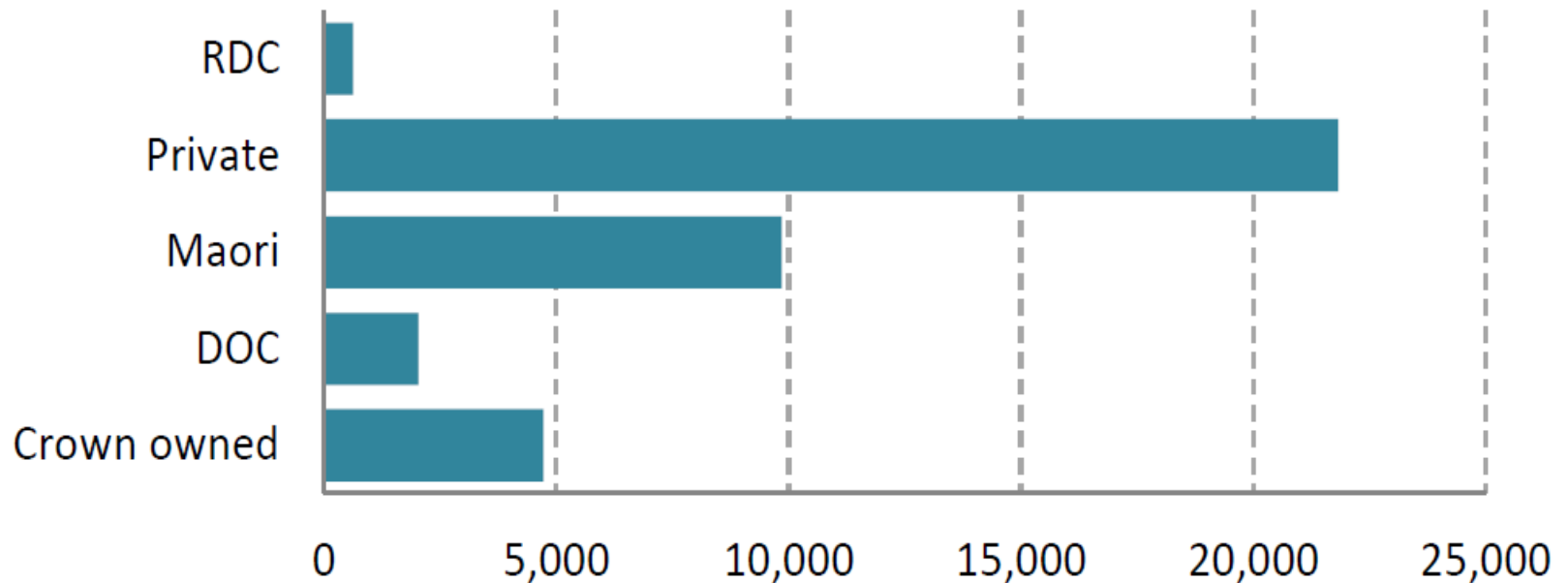


Slope - Bush & Scrub



Land Tenure

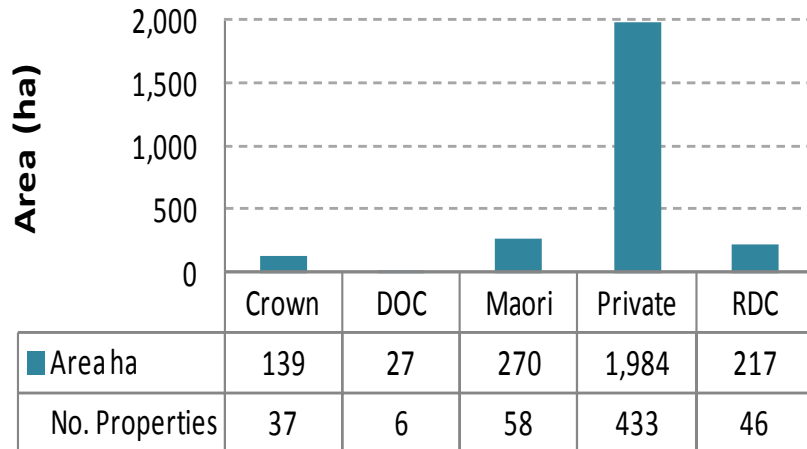
Tenure (Properties >2ha)



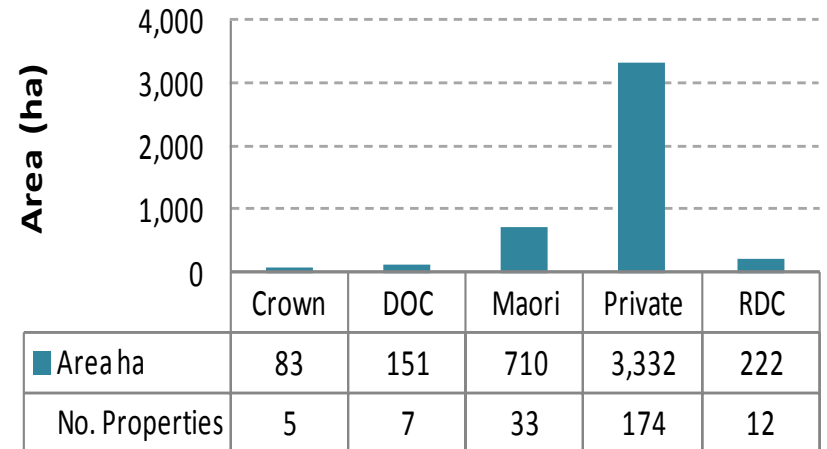
	Crown owned	DOC	Maori	Private	RDC
■ Hectares	4,718	2,027	9,837	21,817	625
# Properties	51	19	133	695	61

Tenure by Property Size Bands

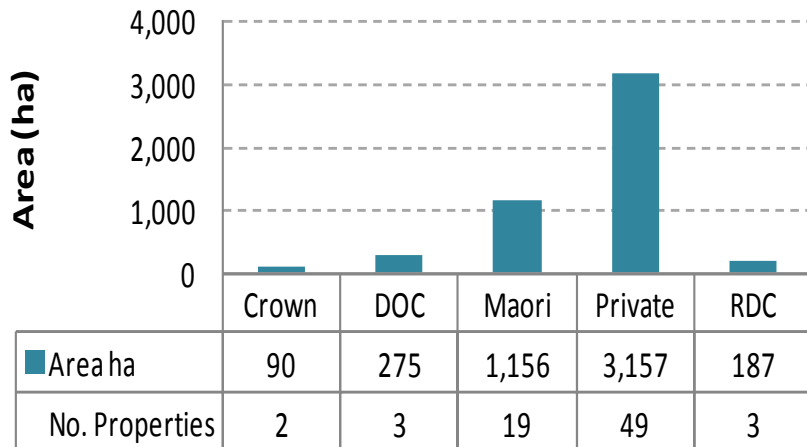
Property Size 2-10 ha



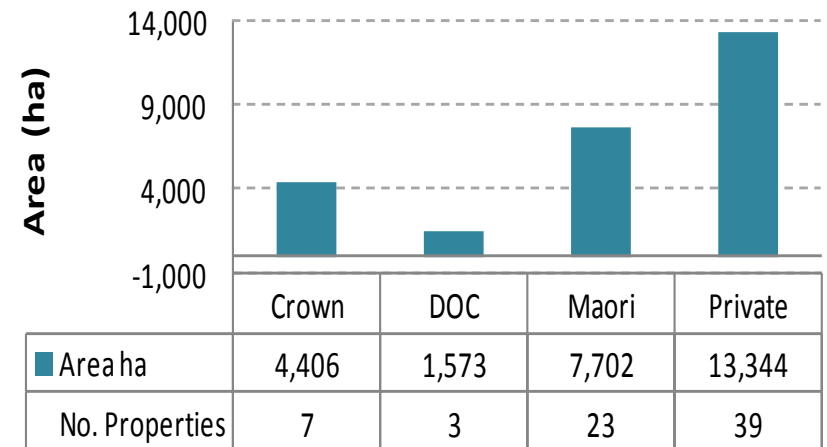
Property Size 10-40 ha



Property Size 40-100 ha

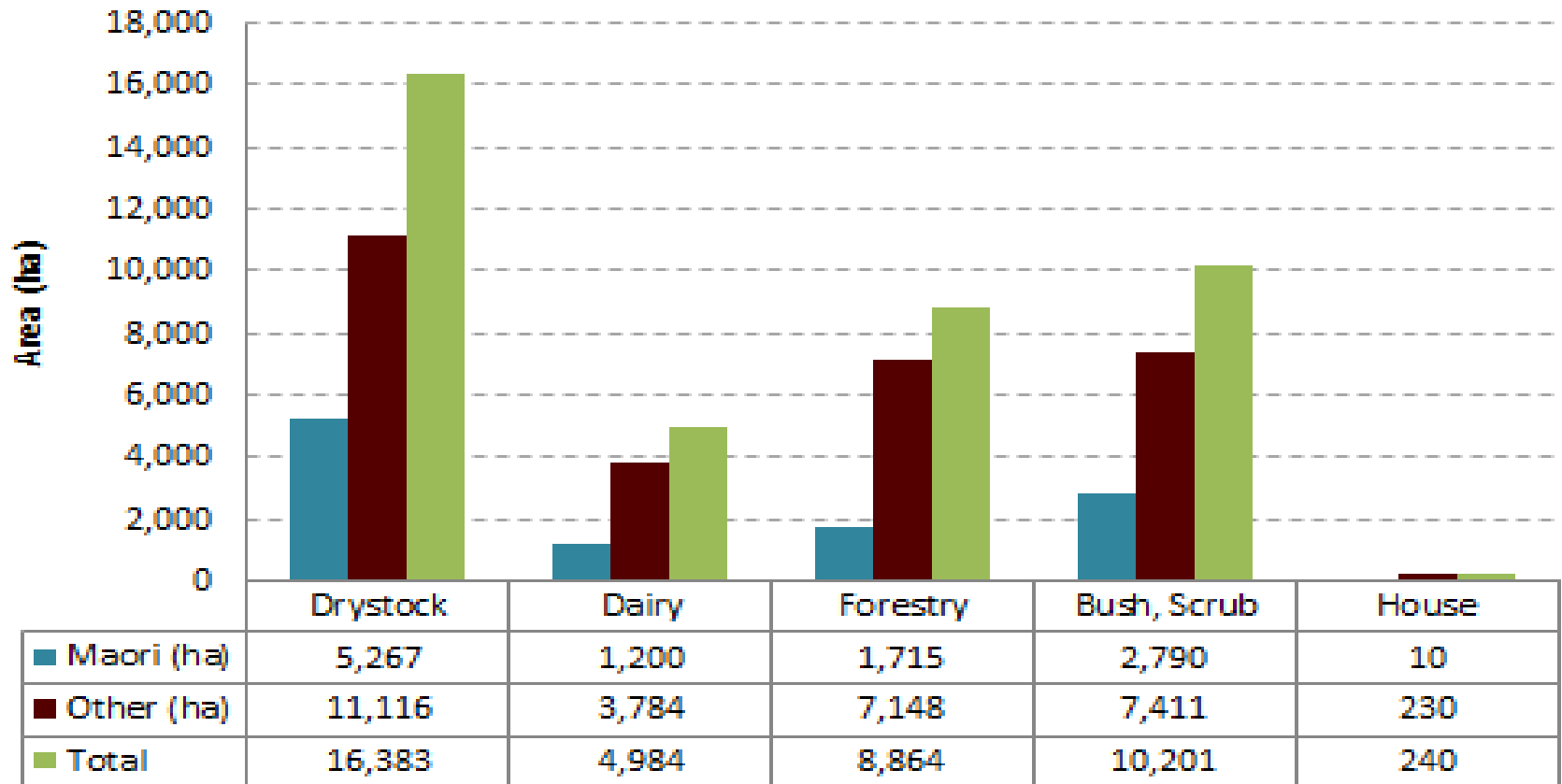


Property Size 100+ ha



Land Use by Ownership

Land Use by Ownership (> 2 ha)



	Drystock	Dairy	Forestry	Bush, Scrub
Maori (ha)	13%	3%	4%	7%
Other (ha)	27%	9%	18%	18%
Total	41%	12%	22%	25%

