

Wellington Regional Landscape Atlas

18 May 2009

CONTENTS

| | | |
|----|--|----|
| 01 | Introduction | |
| 02 | Map Atlas | |
| | <i>Topography and Topography Analysis</i> | |
| | Topography | 9 |
| | Elevation | 11 |
| | Slope | 13 |
| | <i>Landform</i> | |
| | Geology - QMAP | 21 |
| | Geology - Geopreservation Inventory | 23 |
| | Landform (LENZ) | 31 |
| | <i>Landcover</i> | |
| | Landcover (NZ Landscape Classification) | 33 |
| | Landcover (LCDB1v2) | 35 |
| | Catchments | 43 |
| | <i>Landuse</i> | |
| | Public Land | 45 |
| | Urban Areas / Regional Infrastructure | 47 |
| | Heritage | 48 |
| | <i>Composite Analysis/Landscape Management</i> | |
| | LENZ Level I Environments | 57 |
| | Environmental Management | 59 |
| | NZLRI - Land Use Capability (MLUC) | 67 |
| | Ecodomains | 75 |
| | Significant Landscapes (Regional) | 77 |
| | Significant Landscapes (Local) | 79 |
| | Landscape Character Assessments | 87 |

*This resource was produced by Isthmus Group
Ltd for Greater Wellington Regional Council,
May 2009*

INTRODUCTION

This *Wellington Region Landscape Atlas* has been developed as part of the *Wellington Region GIS Database* made available through the Regional Council in April 2009. The *GIS Database* was developed in collaboration with the eight territorial authorities of the Wellington region and the adjacent regional and district authorities in the Manawatu-Wanganui region (Figure 1.).

The *GIS Database* compiles relevant and consistent landform, landcover, landuse and landscape management spatial data across the Wellington Region and 25km beyond its boundary where available. It has been designed to assist the Regional and District Councils in a broad range of landscape planning, policy and management initiatives and to assist territorial authority staff and their professional consultants in the process of landscape assessment. However, as consultation forms an important part of landscape assessment, public access to components of the GIS database has been enabled where possible.

The *GIS database* consists of 3 components:

1. This *Wellington Region Landscape Atlas* of maps which has been developed from selected datasets within the overall geodatabase to assist territorial authority staff and their professional consultants in the process of landscape assessment. The Atlas is available through the public area of the Regional Council website and in hard copy from Regional Council offices in Wellington and Masterton. For further information and assistance please contact these offices or your local district council.

The datasets selected for inclusion in the *Atlas* are intended to provide a broad overview of the region's landscape resource. These can be used to communicate landscape concepts to different stakeholder groups and as a basis for further landscape assessment. These datasets are however **limited** to those that can be clearly communicated at a scale of 1:500,000 or 1:250,000 as is detailed in Figure 2 and Table1.

The relationships between the data sets in the Landscape Atlas and the landscape resource are illustrated in Figure 2.

The maps included in the Wellington Region Landscape Atlas have been grouped broadly into the categories of:

- Landform: reflecting the underlying geology, topography and attendant processes such as erosion etc.
- Landcover: vegetation, water bodies and soil conditions
- Landuse: reflecting the cultural and social processes which significantly modify landform and landcover within the region
- Landscape management: these maps are generated through a composite analysis of landform, landcover, and landuse data and/or evaluative landscape assessment

In addition to the *Landscape Atlas* there are two other components of the GIS database:

2. The *Wellington Region Geodatabase* of all the compiled datasets. The datasets can be used in a GIS application for interactive analysis and to create customised maps. License agreements addressing dataset copyright have enabled the geodatabase to be made available to the regions councils via DVD. Please contact the publications officer or email publications@gw.govt.nz.

3. The *Wellington Region Landscape 3D Visualisation Features* through which selected datasets from the *geodatabase* have been converted to *kmz files* which can be viewed using *Google Earth*. Councils in the Greater Wellington Region may set up interactive public access to selected 3D visualization features through their website.

The *GIS database* will be used, in particular to support local authority initiatives associated with Policies 24 and 26 and Method 49 of the proposed Regional Policy Statement that will be implemented through:

- District by district landscape character descriptions, and
- District by district landscape evaluations of significant amenity landscapes and outstanding natural features and outstanding natural landscapes.

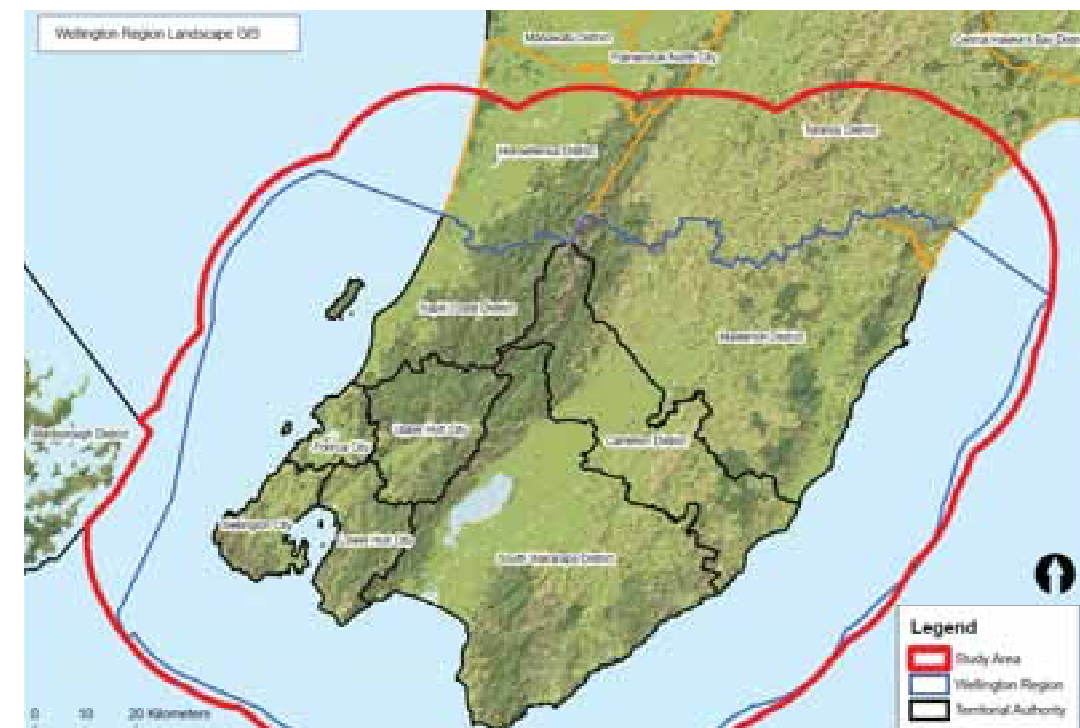
Proposed Regional Policy Statement:

Policy 24: Identifying outstanding natural features and landscapes

Policy 26: Identifying significant amenity landscape values

Method 49: Prepare a regional landscape character description

Figure 1: Study Area



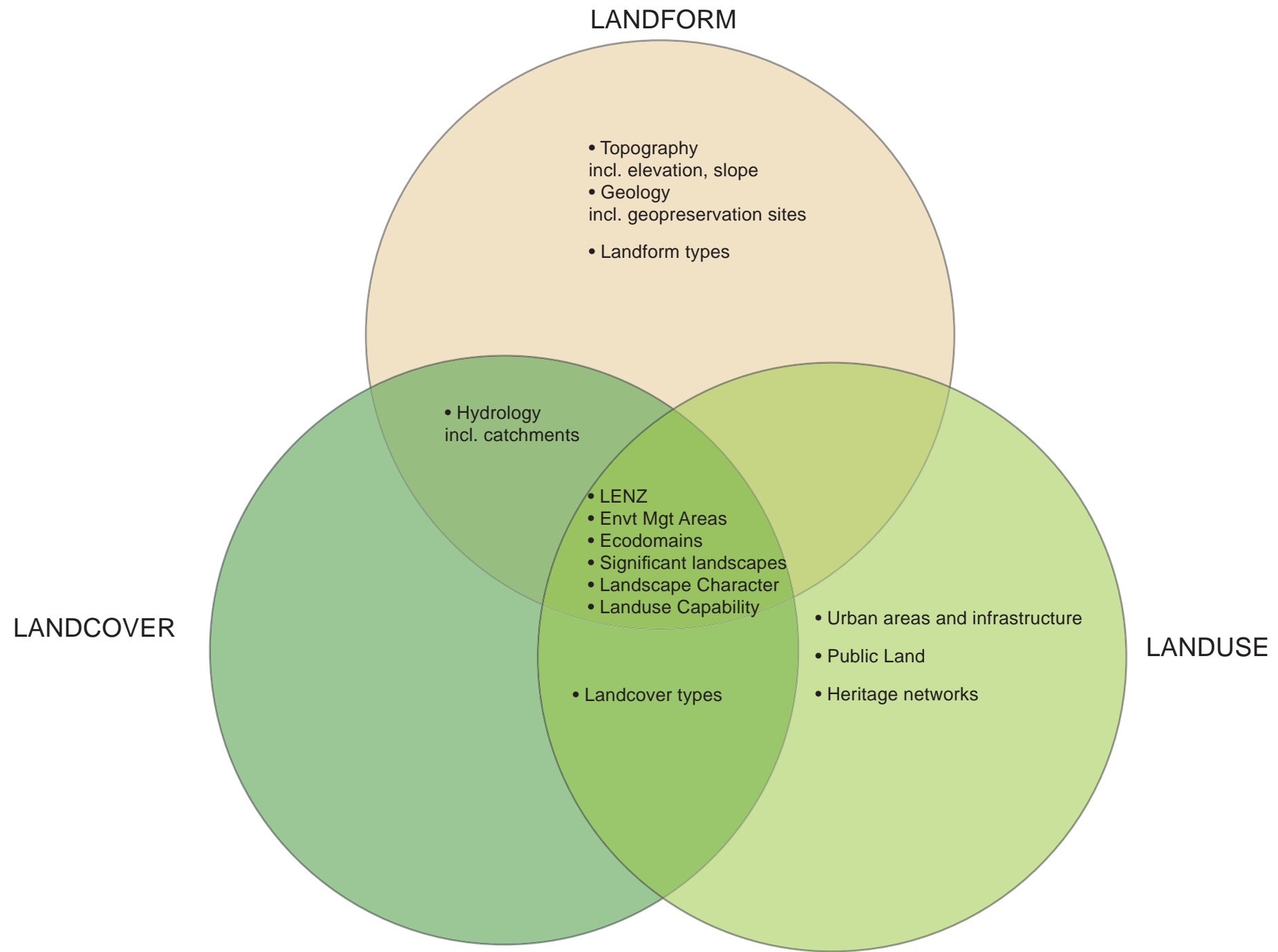


Figure 2: The Landscape Resource: Map Atlas dataset relationships

Note: Data sets included are intended to give a broad overview of the Wellington Region Landscape Resource. The maps have been created from an interpretation of datasets which can be clearly communicated at a scale of 1:500,000 or 1:250,000

USING THE MAP ATLAS IN A LANDSCAPE ASSESSMENT

The *Wellington Region GIS Landscape Database* has been created to support both the district by district landscape character descriptions and the district by district evaluative assessment of significant amenity landscapes and outstanding natural features and outstanding natural landscapes.

LANDSCAPE CHARACTER ASSESSMENTS (LCA)

Landscape character assessments are used to provide a description of the natural and cultural elements, patterns and processes that can be used to distinguish one area from another. In the initial stages of an LCA, base landform, landcover and landuse and landscape management data is compiled and used to prepare map overlays of different landscape factors. These maps are used as the basis for defining areas of distinct character which can then be checked in the field. These areas are then mapped as distinct *landscape character units* and as *landscape character types*; where the units are classified into groups of common character.

The *Wellington Region GIS Landscape Database* establishes a comprehensive and readily accessible set of landform, landcover, landuse and landscape management base data that can be used to facilitate a consistent and comprehensive desktop study in an LCA. In addition to the *Landscape Atlas*, the *3D Visualisation Features* available to be viewed in *Google Earth* can assist Councils to engage various stakeholder groups and the wider community in the assessment process and to communicate the assessment findings.

Landscape character assessment provides a baseline survey of the landscape resource across the area assessed. The LCA can then be used as the basis for a number of more specific and evaluative landscape assessment processes such as the assessment of the natural character in the coastal environment, wetlands, lakes and rivers and their margins and the identification of significant amenity landscapes and outstanding natural features and outstanding natural landscapes.

Landscape character assessments can also be used to directly inform Council landscape planning, policy and management initiatives. For example, where LCA's are used to establish *landscape character unit [or type] management plans* that are concerned with determining appropriate use, subdivision and development.

ASSESSING SIGNIFICANT AMENITY LANDSCAPES AND OUTSTANDING NATURAL LANDSCAPE AND OUTSTANDING NATURAL FEATURES

The *Wellington Region GIS Database* will also provide an important resource that can be used in the assessment of landscapes (and features within them) that have a particular status under the RMA. The *Atlas*, *Geodatabase* and *3D Visualisation features* can be used to support the desktop study and stakeholder consultation phases of these assessments and to communicate the findings. In particular, the GIS Database has been designed to support the assessment of;

Outstanding Natural Landscapes and Outstanding Natural Features (ONL/ONF)

Under section 6b of the RMA *all persons exercising functions and powers under it, in relation to managing the use, development, and protection of natural and physical resources, shall recognise and provide for the following matters of national importance; the protection of outstanding natural features and landscapes from inappropriate subdivision, use, and development.*

The proposed Regional Policy Statement provides criteria specific to the identification of ONF and ONL. *Policy 24* of the proposed RPS states that *District and Regional Plans shall identify outstanding natural features and landscapes using the following criteria, and having determined that the natural feature or landscape is exceptional or out of the ordinary under one or more of the criteria and the natural components dominate over the influence of human activity; natural science values, aesthetic values, expressiveness, transient values, shared and recognised values, tangata whenua values and/or important historical associations.*

Significant Amenity Landscapes

Similarly, Under section 7c of the Act *all persons exercising functions and powers under it, in relation to managing the use, development, and protection of natural and physical resources, shall have particular regard to; the maintenance and enhancement of amenity values.*

Amenity values are defined in the Act as *those natural or physical qualities and characteristics of an area that contribute to people's appreciation of its pleasantness, aesthetic coherence, and cultural and recreational attributes.*

The proposed Regional Policy Statement provides criteria specific to the identification of significant amenity landscapes. *Policy 26* states that *District and Regional plans shall identify significant amenity landscapes using the following criteria and having determined the landscape has important landscape values under one or more of the criteria; natural science values, aesthetic values, expressiveness, transient values, shared and recognised values, tangata whenua values and/or important historical associations.*

Table 1: List of data layers in the geodatabase

| DATA LAYER | SOURCE | USEFUL SCALE* | MAP ATLAS | GEODATABASE | USE IN 3D |
|---|---|-------------------------------|-----------|-------------|-----------|
| Landform | | | | | |
| Topography (raster) | Land information New Zealand (LINZ) | National/Regional Level | ✓ | ✓ | |
| Elevation | DEM | Regional/District Level | ✓ | ✓ | |
| Aspect | DEM | Regional/District Level | | ✓ | |
| Hillshade | DEM | Regional/District Level | | ✓ | |
| Slope | DEM | Regional/District Level | ✓ | ✓ | |
| Geology | GNS Science | National/Regional Level | ✓ | ✓ | |
| Geopreservation Inventory | Geological Society of New Zealand | Regional/District Level | ✓ | ✓ | ✓ |
| Landform Land Environment New Zealand (LENZ) | Landcare Research | Regional/District Level | ✓ | ✓ | ✓ |
| Landcover | | | | | |
| Catchments | National Institute of Water & Atmospheric Research | Regional/District/Local Level | ✓ | ✓ | ✓ |
| Hydrology | LINZ | Regional/District/Local Level | | ✓ | |
| Land Cover (LCDB) | Terralink International | Regional/District Level | ✓ | ✓ | ✓ |
| Landcover (NZ Landscape Classification) | University of Waikato | Regional/District Level | ✓ | ✓ | ✓ |
| Soils | Landcare Research | Local Level | | ✓ | |
| Landuse | | | | | |
| Draft Historic Places Trust Listed Sites | Historic Places Trust | Regional/District/Local Level | ✓ | ✓ | |
| New Zealand Archaeological Sites | New Zealand Archaeological Association | Regional/District/Local Level | ✓ | ✓ | ✓ |
| Local Heritage Sites | Territorial Councils and Greater Wellington Regional Council (GWRC) | Local Level | ✓ | ✓ | |
| Regional Parks | GWRC | Local Level | ✓ | ✓ | ✓ |
| Local Parks, Reserves | Various | Local Level | ✓ | ✓ | |
| Rural Zones | Various | Local Level | | ✓ | |
| Regional infrastructure | LINZ | Regional/District Level | ✓ | ✓ | ✓ |
| Urban Areas | LINZ | Regional/District Level | ✓ | ✓ | ✓ |
| Landscape Management | | | | | |
| Indigenous threatened envts. | Department of Conservation | Regional/District Level | ✓ | ✓ | ✓ |
| RAMSAR candidate sites | Department of Conservation | Regional/District Level | ✓ | ✓ | ✓ |
| Estates, Reserves, Covenants | Department of Conservation | District/Local Level | ✓ | ✓ | ✓ |
| LENZ Levels 1-4 | Landcare Research | Regional/District/Local Level | ✓ | ✓ | ✓ |
| Landscape Units (NZ Landscape Classification) | University of Waikato | District/Local Level | | ✓ | ✓ |
| NZLRI (Land Use Capability) | Landcare Research | Regional/District/Local Level | ✓ | ✓ | ✓ |
| Ecodomains | GWRC | District/Local Level | ✓ | ✓ | ✓ |
| Significant Landscapes | GWRC, Horizons Regional Council | Regional/District Level | ✓ | ✓ | ✓ |
| RAP Sites | Department of Conservation | Regional/District Level | ✓ | ✓ | ✓ |
| Significant Landscapes (local-TA) | Territorial Authorities | District/Local Level | ✓ | ✓ | |
| Landscape Character Assessment | Territorial Authorities | District/Local Level | ✓ | ✓ | |

*The scale 'regional/district/local' indicates the applicability of the datasets in different stages or levels of Landscape Character Assessment (LCA) and its resolution limits which affect the scale at which it can be authentically mapped. Regional datasets can be used to support broadscale landscape character assessment and to create authentic 1:250,000 maps. District' datasets will support LCA across a TA and can be mapped at a scale of 1:50,000. Local datasets can be used to support LCA of a particular area within that district and to create authentic 1:10,000 maps.

UPDATING THE ATLAS

The *Geodatabase* component of the *Wellington Region GIS Database* will be updated in a schedule that complements the district by district landscape assessment processes that will be carried out under the RPS over the next 10 years. This will ensure that the most up to date base information is available in each district prior to the assessment of landscape character and the assessment of significant amenity and outstanding natural landscapes and outstanding natural features. In addition, an overall review and update process for the GIS Database is scheduled to occur in 2010 at which time a further relevant overall review date will be set.

From time to time this will necessitate the revision of the *Atlas* where it becomes obvious that the data sets used to create the maps have changed substantially and where new data sets become available that are able to be clearly communicated within the *Atlas*. For example, findings from the landscape character assessments may be able to be included in subsequent versions of the *Atlas*.

Atlas updates will be advertised and made available through the Regional Council website and the Masterton and Wellington Regional Council offices.

The data provided in this atlas and landscape geodatabase is current as of the date of publication. GIS data like any data source is regularly updated at the TA and regional authority levels. Please refer to the "Notes" section of legend area for a description of the dataset including source, date and statutory status.

THE LANDFORM MAPS

Landform is often one of the main determinates of landscape character, and a key factor that is used to inform evaluative landscape assessment process such as the identification of outstanding natural landscapes.

The *Atlas* illustrates key aspects of the regions landform resource including the underlying geology, topography and broad landform types. Additional landform datasets and more detailed analysis of the landform resource can be achieved through use of the *Geodatabase* and the *3D Visualisation Features* components of the *Wellington Region GIS Database*.

THE LANDCOVER MAPS

Existing patterns of Landcover in the region have resulted from the interrelationships of natural and cultural processes and elements over time. Catchment, soil and broad landcover typology maps included in the *Atlas* can also be used to inform the characterisation process involved in a landscape character assessment. Landcover is also a key factor to consider in landscape evaluation assessments. For example, where patterns of native vegetation contribute to the identification of outstanding natural landscapes. Additional landcover datasets and more detailed analysis of the landcover resource can be achieved through use of the *Geodatabase* and the *3D Visualisation Features* of the *Wellington Region GIS Database*.

THE LANDUSE MAPS

Key landuse patterns that have resulted from the interrelationships between cultural elements and processes are illustrated in the *Atlas*. These maps have been created through an interpretation of district plan map data and national heritage and infrastructural information. Additional landuse datasets and more detailed analysis of the landuse resource can be achieved through use of the *Geodatabase* and the *3D Visualisation Features* of the *Wellington Region Database*. More detailed analysis will be particularly important where the scale of landuse data has, in particular, limited what can be mapped in this way.



THE LANDSCAPE MANAGEMENT MAPS

These maps illustrate national and regional landscape classifications that have been generated from a composite analysis of datasets; the Landcare Research LENZ, the DOC Environmental Management Areas and the Regional Council Eco Domains. This data may assist in both descriptive and evaluative assessment.

In addition, this section of the *Atlas* includes the findings of previous descriptive and evaluative regional and territorial authority landscape assessments.

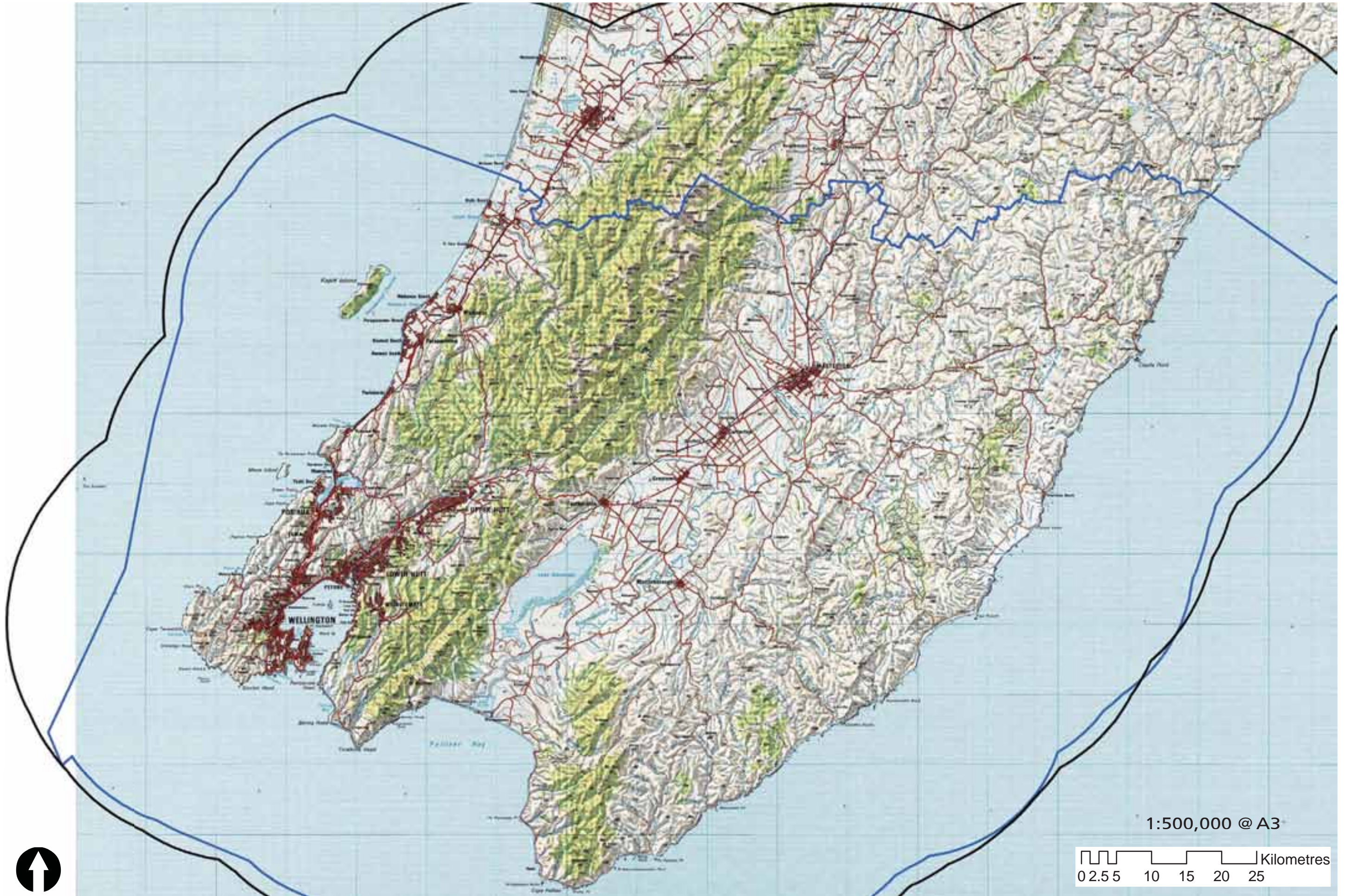
Landscape character, significant amenity landscapes and outstanding natural features and outstanding natural landscapes maps will be included in subsequent versions of the *Atlas* as Policies 24 and 26 of the proposed RPS are implemented.

LEGEND

-  Study Area
-  Greater Wellington Regional Council



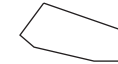
Notes

Reference: NZSMS 260 map series copyright Land Information New Zealand (LINZ). The elevation dataset (DEM) that is in the geodatabase can be used to undertake more detailed analysis of topography. For example, it can be used to create contour maps and to map visibility from specific locations. Topographic maps (1:50,000 and 1:250,000) are included in the geodatabase.



















Topography

LEGEND

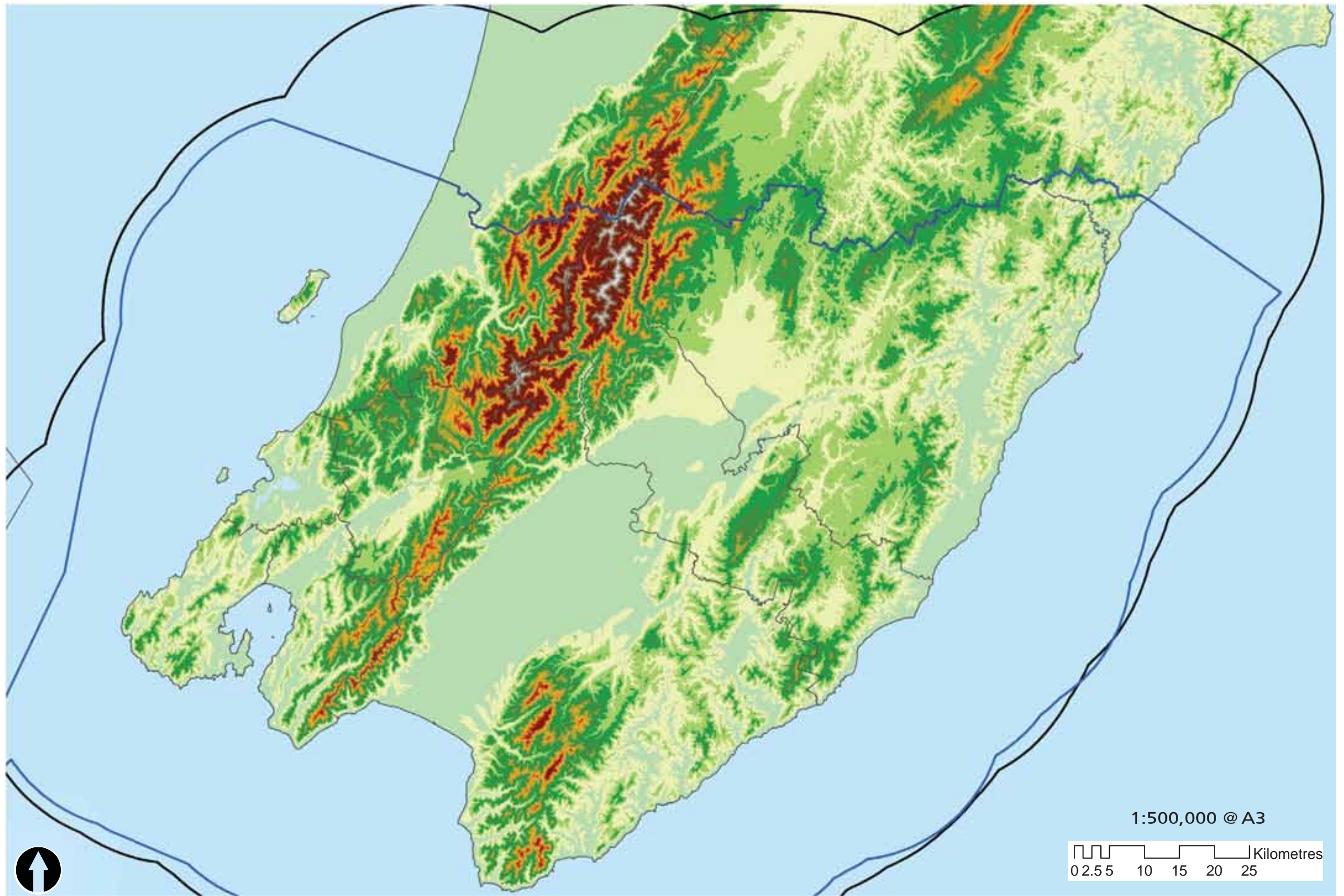
-  Study Area
-  Greater Wellington Regional Council
-  Territorial Authority

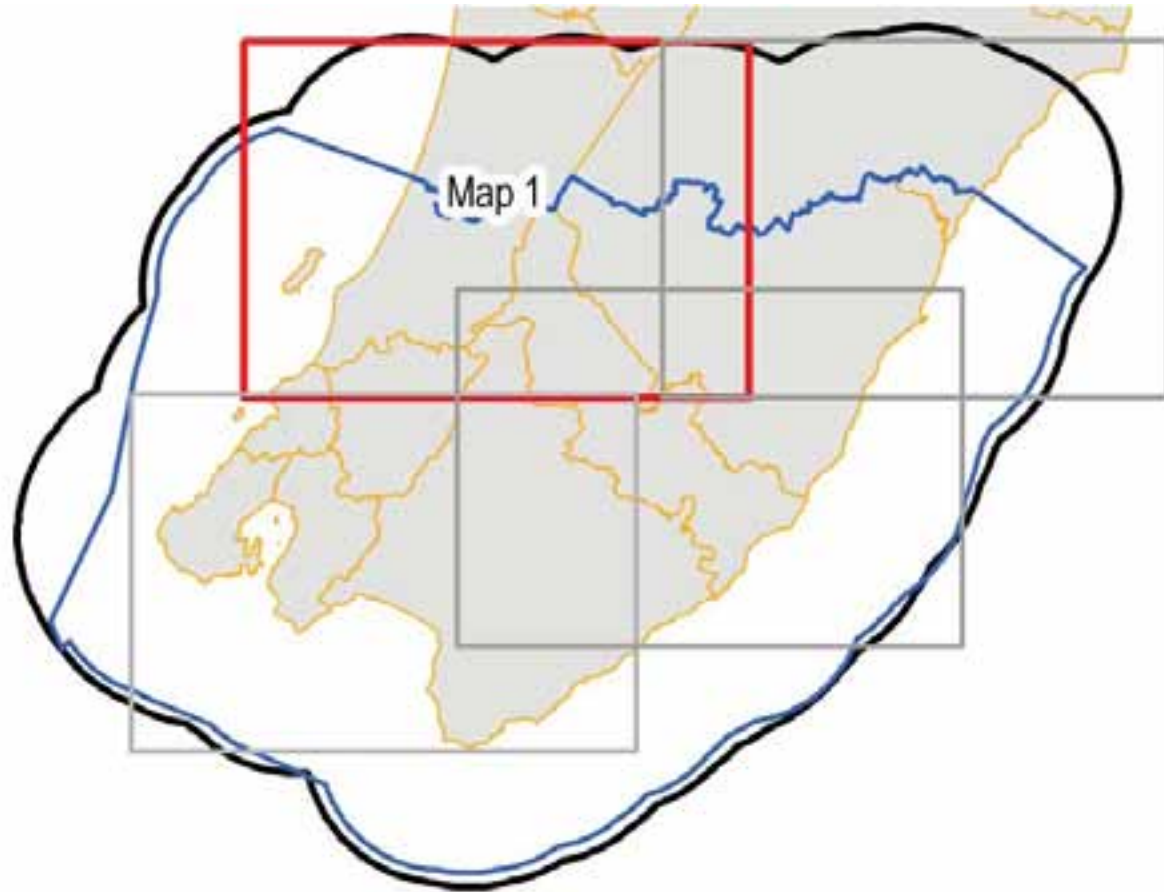
ELEVATION (metres)

| | |
|---|---------------|
|  | 0 |
|  | 1 - 100 |
|  | 100 - 200 |
|  | 200 - 300 |
|  | 300 - 400 |
|  | 400 - 500 |
|  | 500 - 600 |
|  | 600 - 700 |
|  | 700 - 800 |
|  | 800 - 900 |
|  | 900 - 1,000 |
|  | 1,000 - 1,100 |
|  | 1,100 - 1,200 |
|  | 1,200 - 1,300 |
|  | 1,300 - 1,400 |
|  | 1,400 - 1,500 |

Notes

The elevation dataset (DEM) that is in the geodatabase can be used to undertake more detailed analysis of topography. For example, it can be used to create contour maps and to map visibility from specific locations.

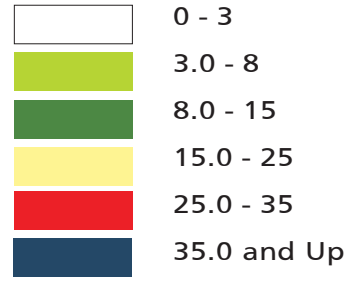




LEGEND

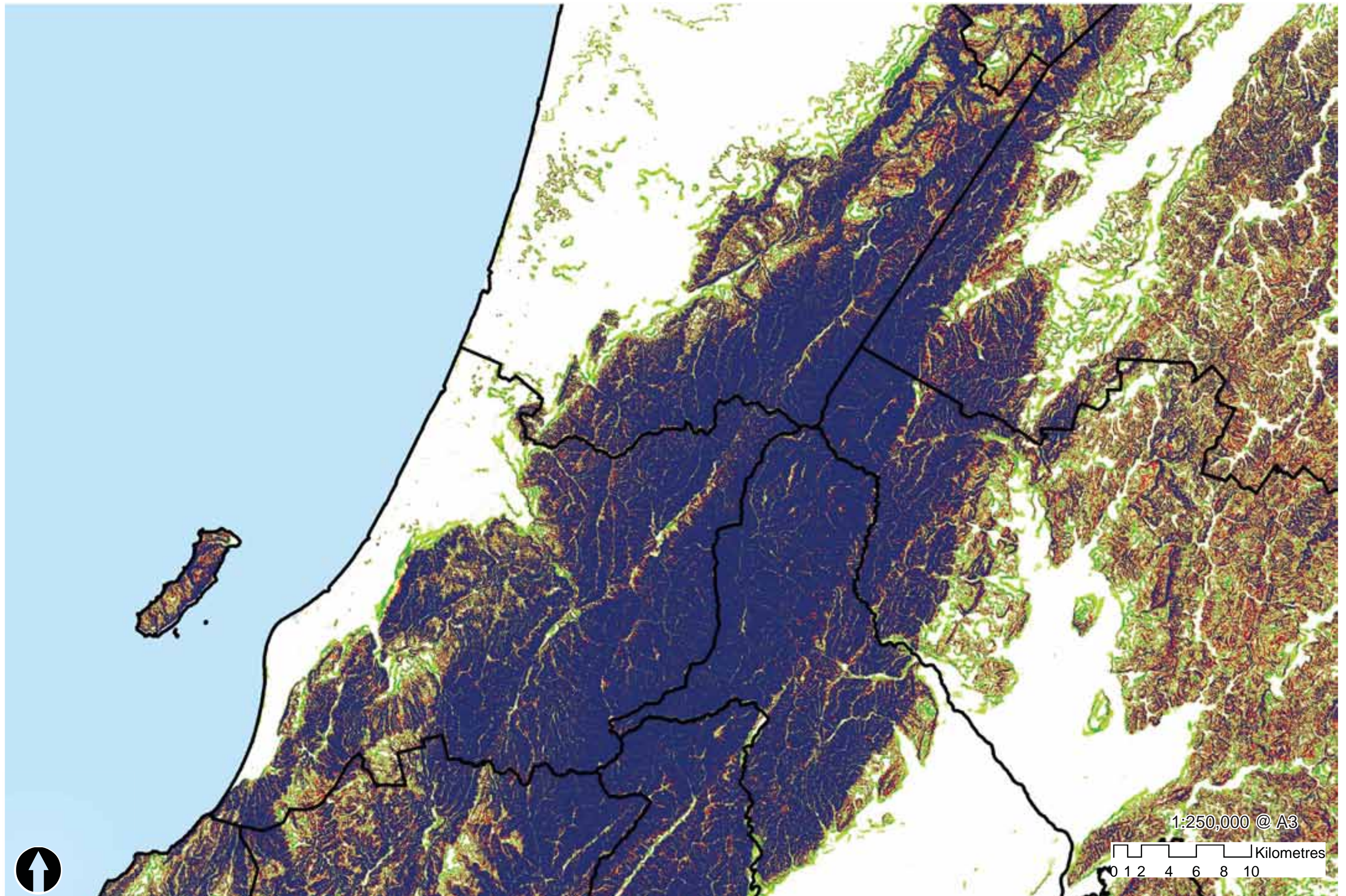
 Territorial Authority

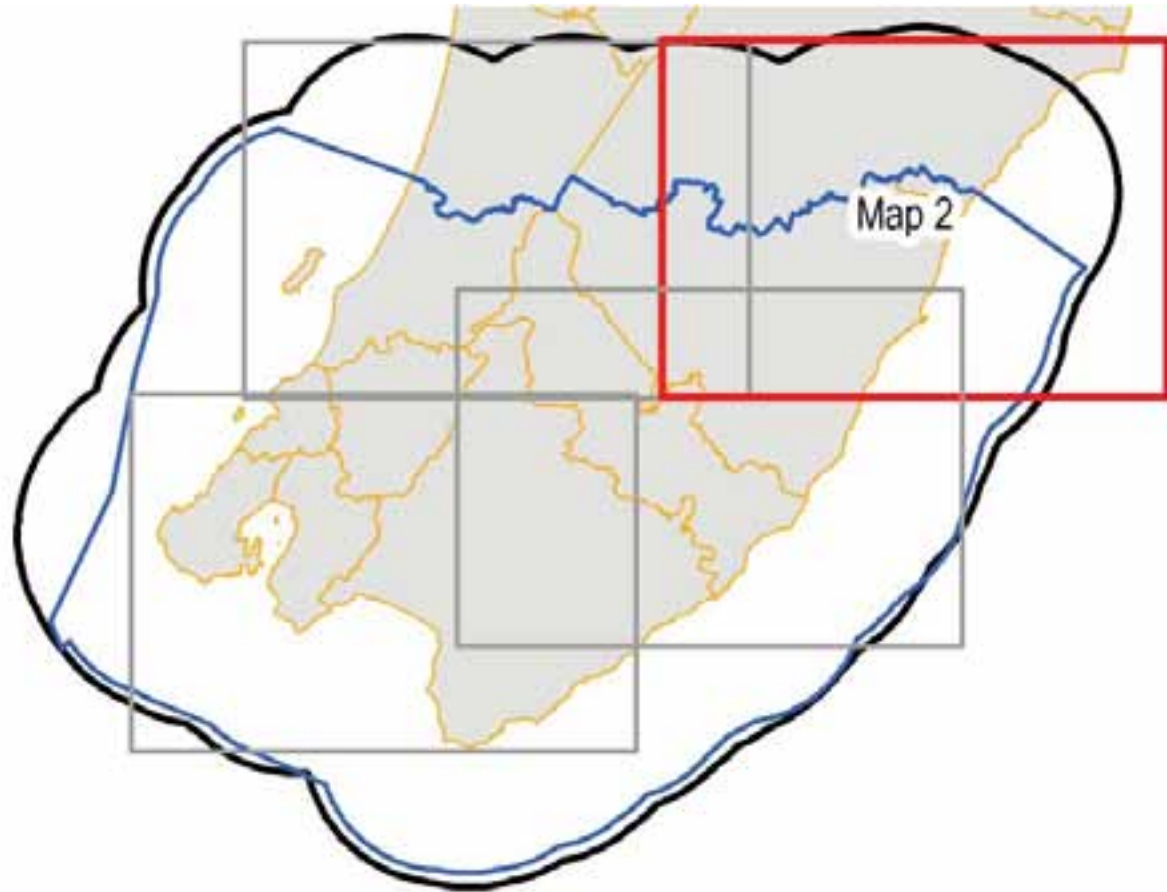
Slope - Percent



Notes

Slope values derived from 20m DEM. Jurisdictional data provided by Greater Wellington Regional Council.

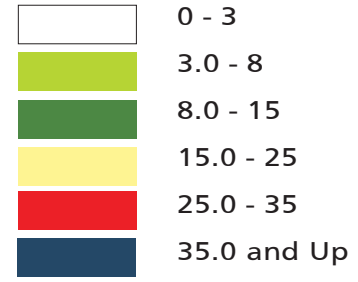




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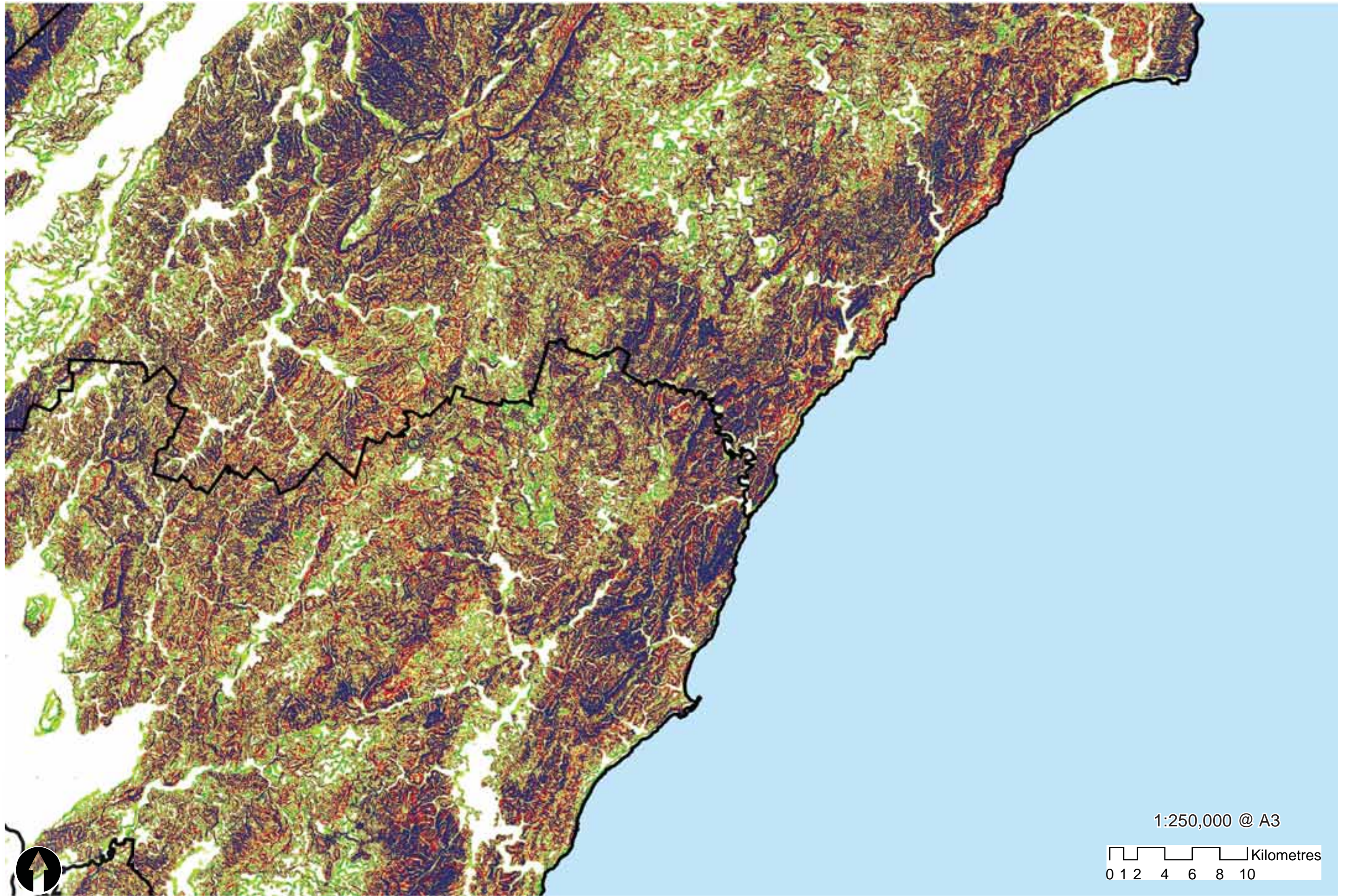
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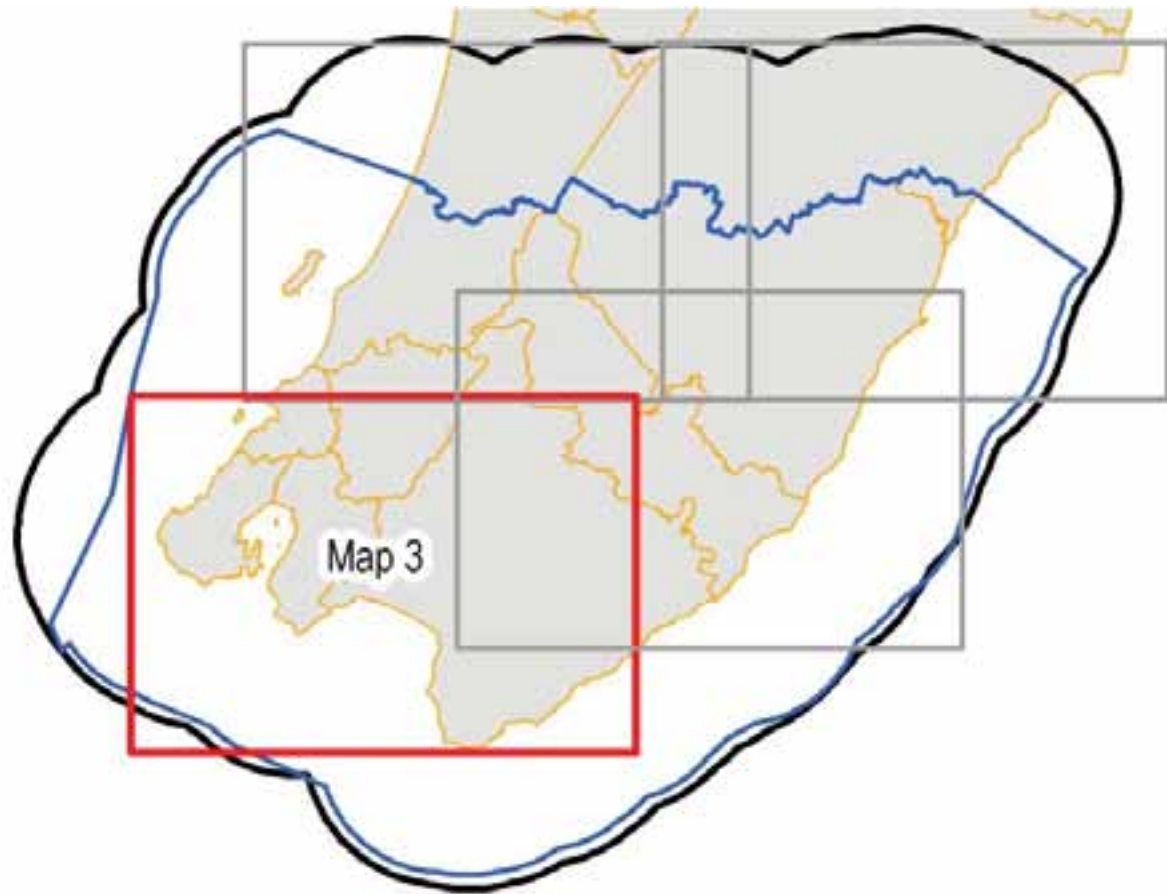
Slope - Percent



Notes

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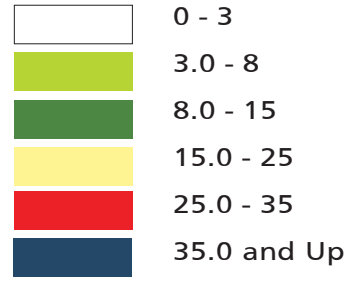




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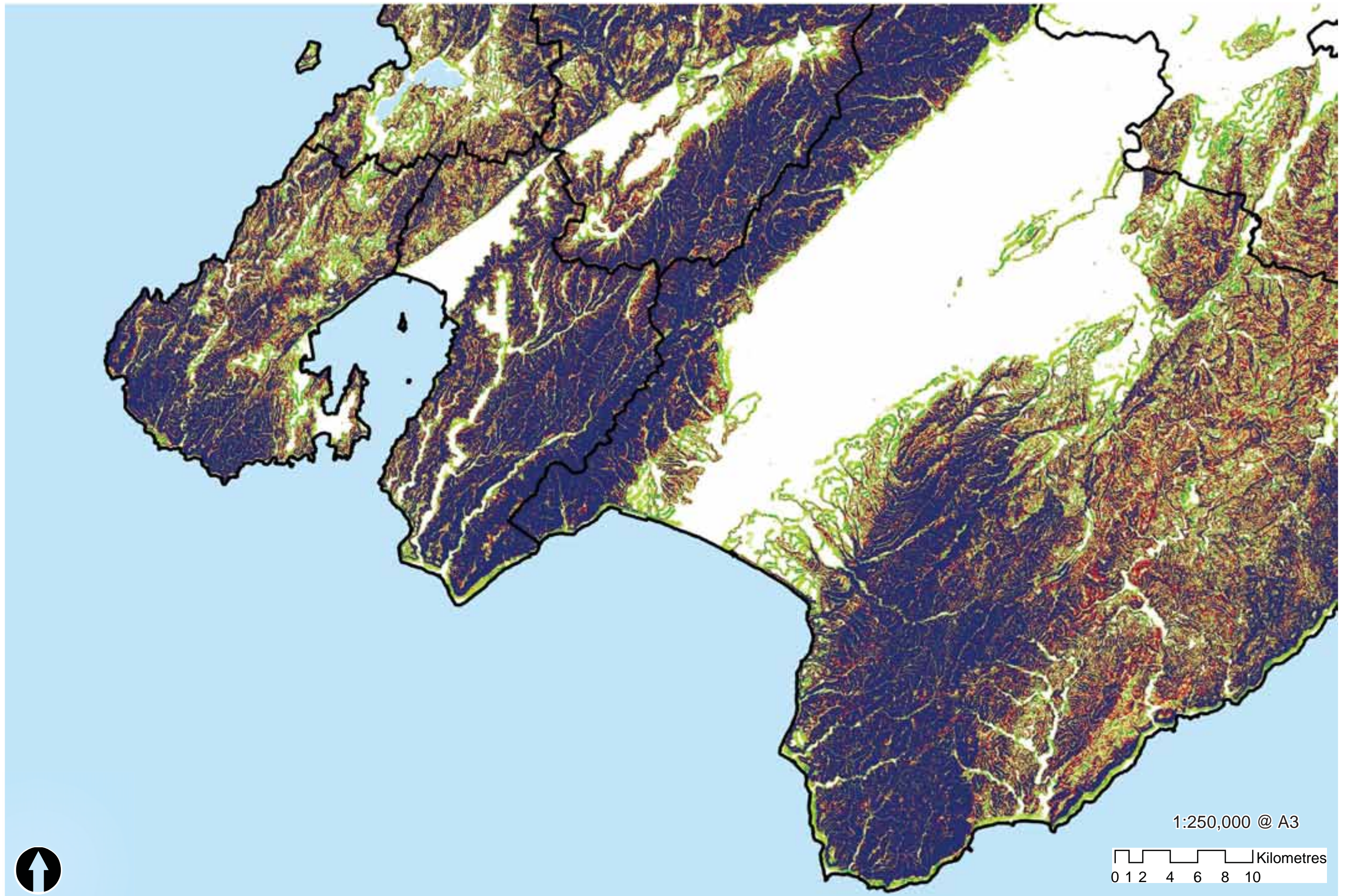
 Territorial Authority

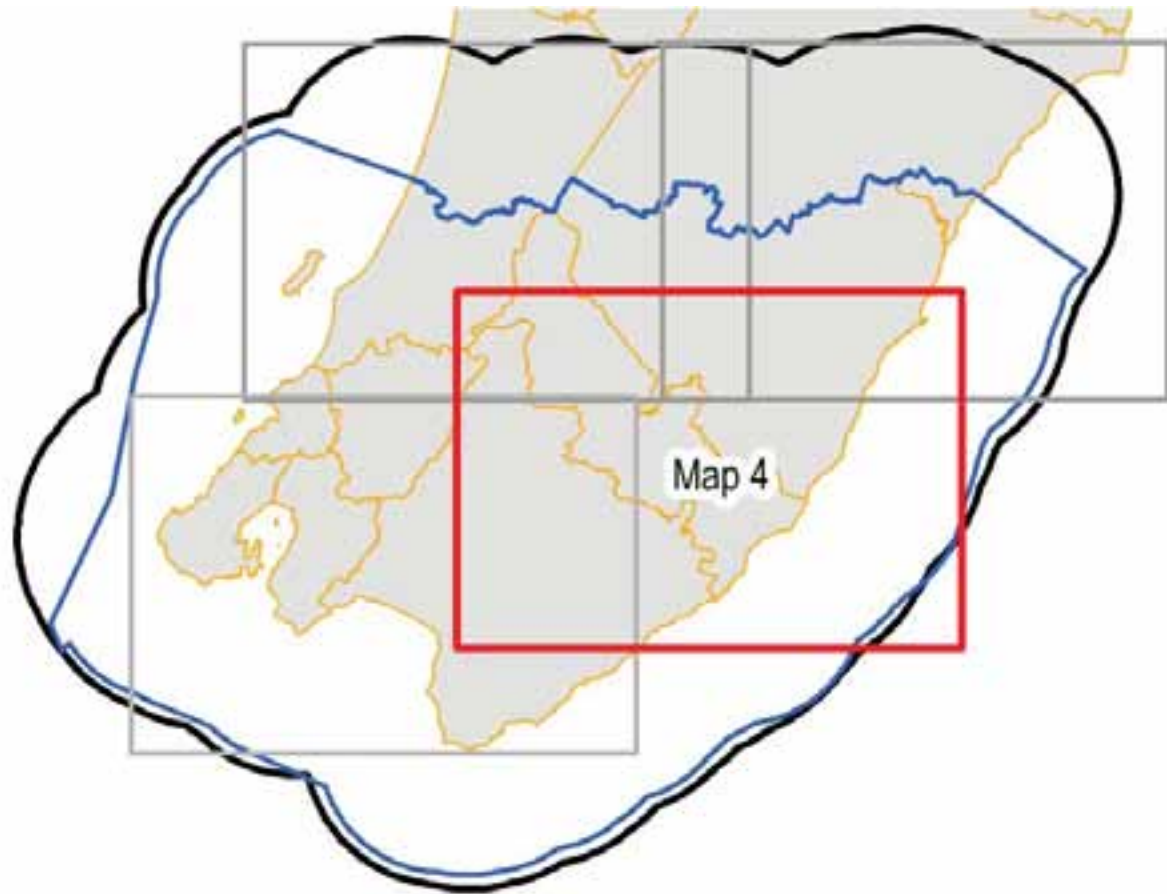
Slope - Percent



Notes

Slope values derived from 20m DEM. Jurisdictional data provided by Greater Wellington Regional Council.

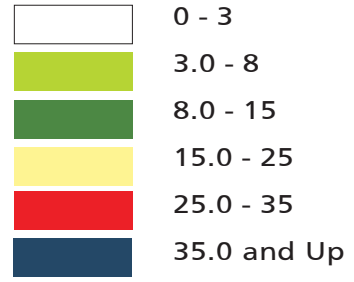




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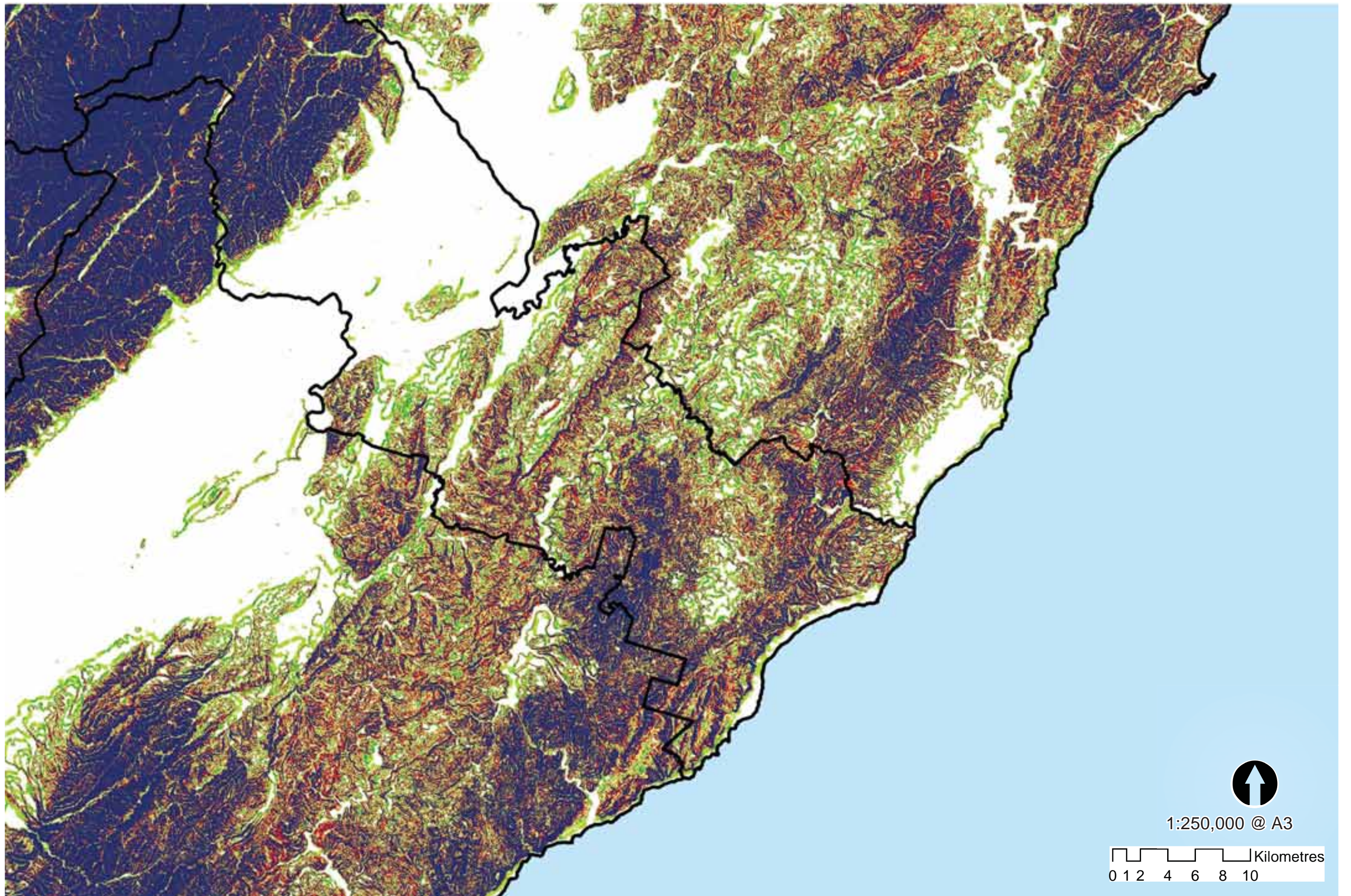
 Territorial Authority

Slope - Percent






Notes

Slope values derived from 20m DEM. Jurisdictional data provided by Greater Wellington Regional Council.



LEGEND

-  Study Area
-  Greater Wellington Regional Council
-  Territorial Authority

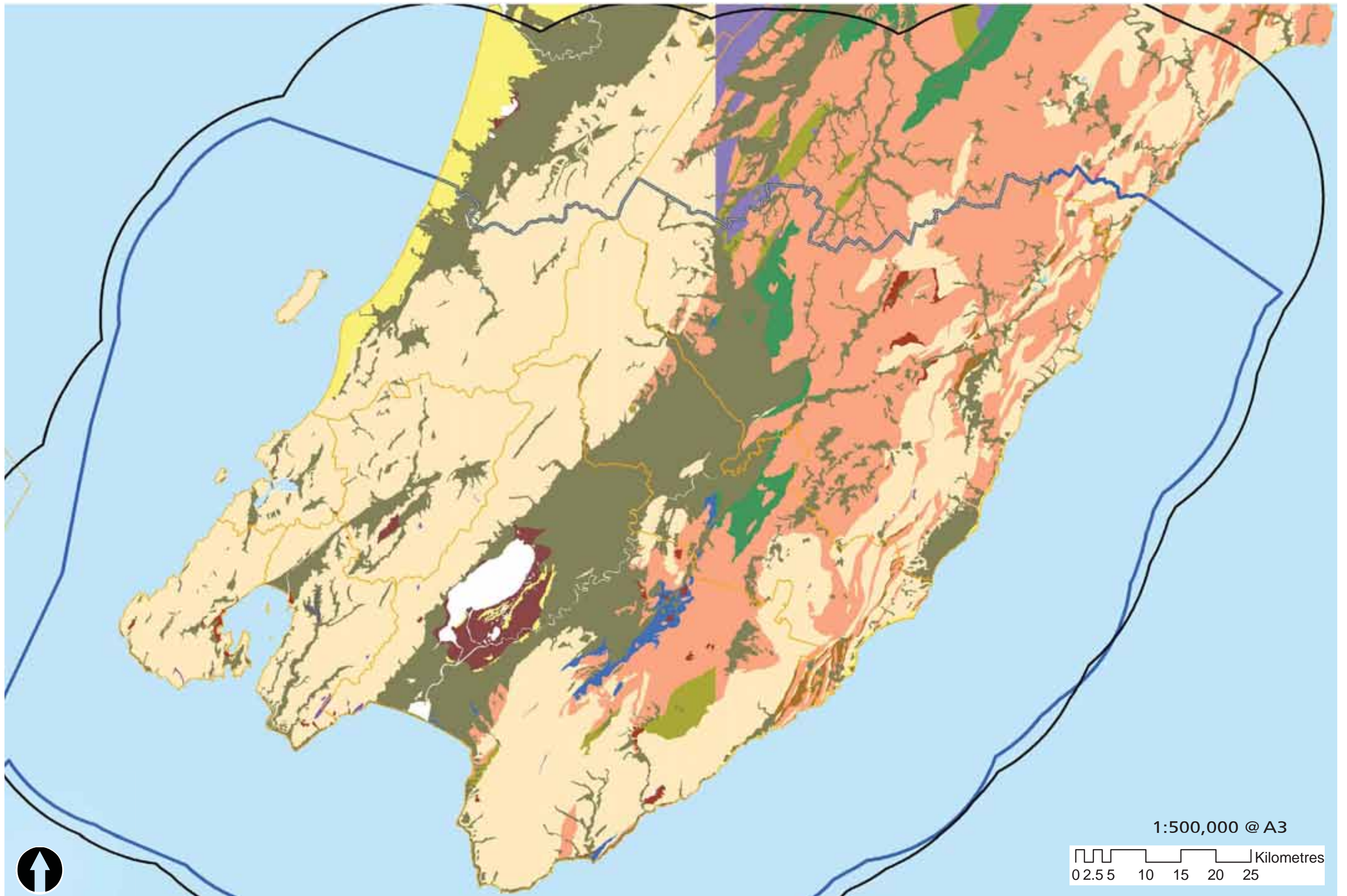
Geology

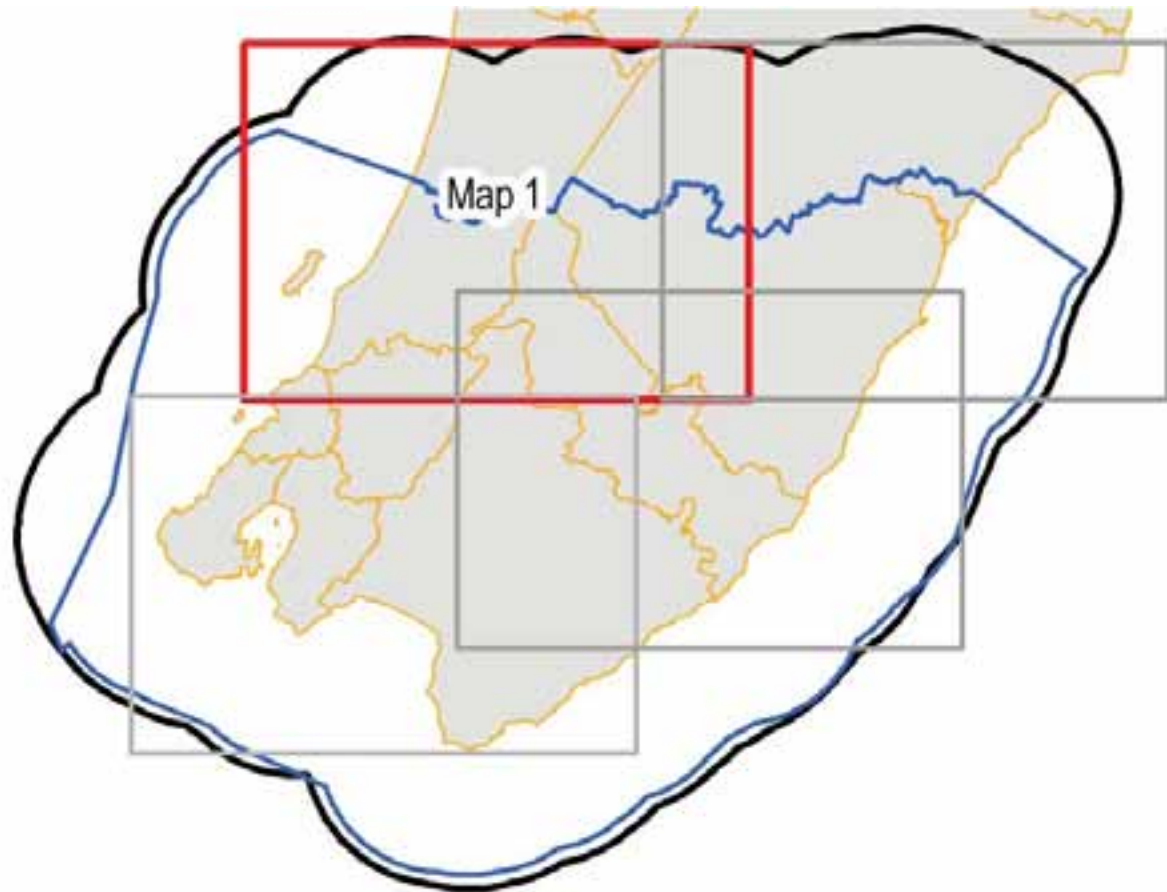
MAIN ROCK

-  algal limestone
-  andesite
-  basalt
-  breccia
-  chert
-  claystone
-  conglomerate
-  coquina
-  dunite
-  gabbro
-  gravel
-  greywacke
-  harzburgite
-  limestone
-  melange
-  mudstone
-  peat
-  quartzite
-  sand
-  sandstone
-  schist
-  silt
-  siltstone

Notes

Geology polygons from the Institute of Geological and Nuclear Sciences (GNS) QMAP (1:250,000) series, showing main rock.







LEGEND

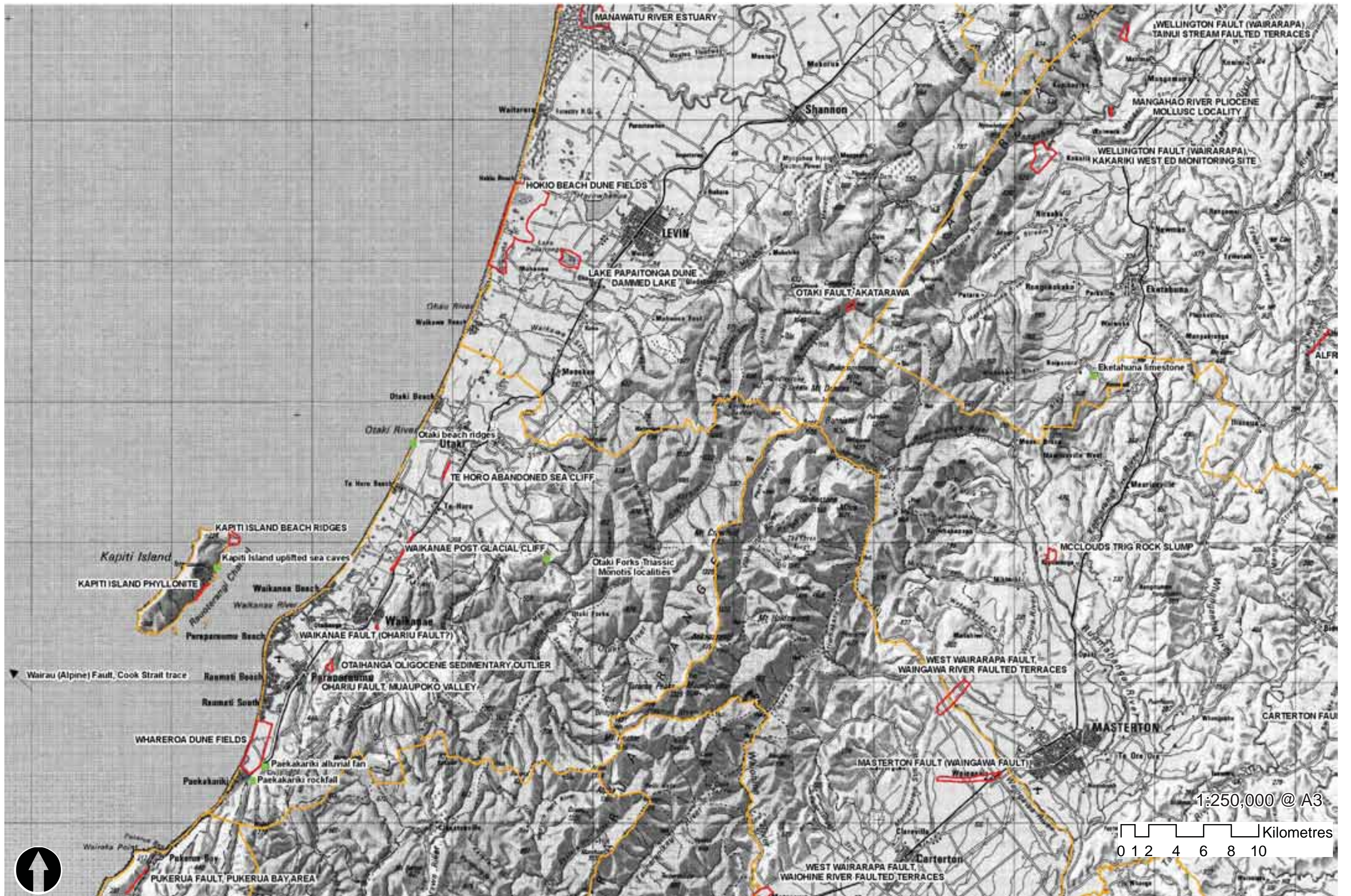
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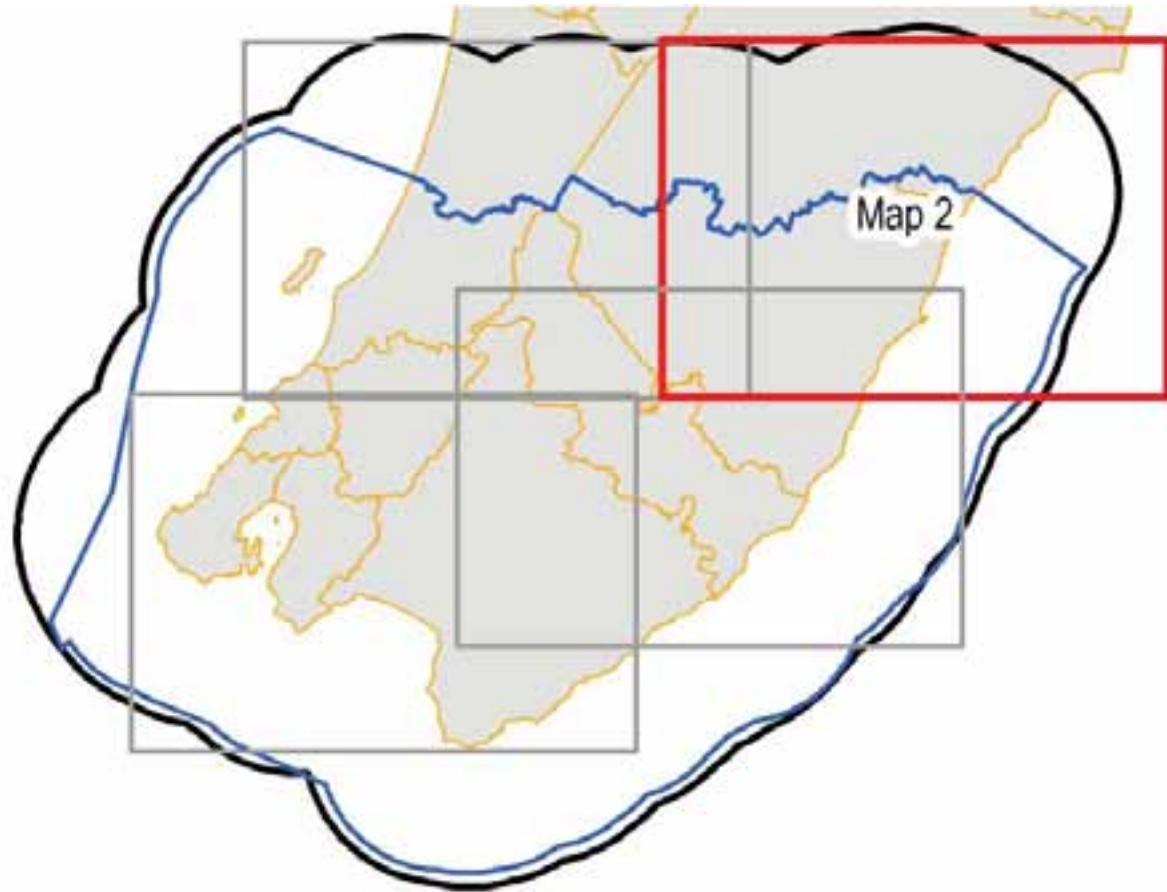
Geopreservation Inventory

 Landforms and Geological Sites (area)
 Landforms and Geological Sites (point)

Notes

Features from the *Inventory and Maps of Important Geological Sites and Landforms in the Manawatu and Wellington Regions*, 1996. Information was digitized by Isthmus Group. Copyright: Geological Society of New Zealand.







LEGEND

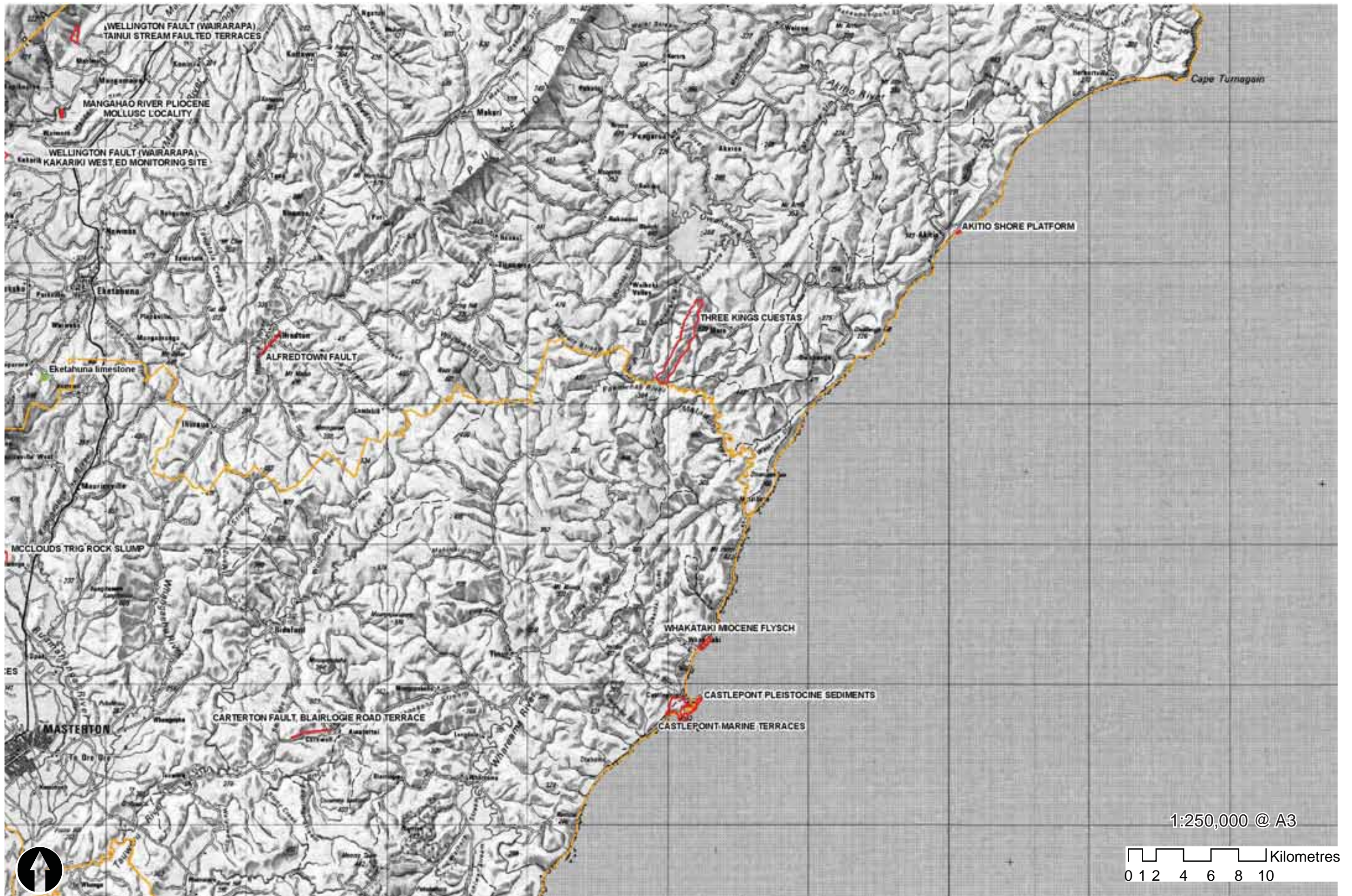
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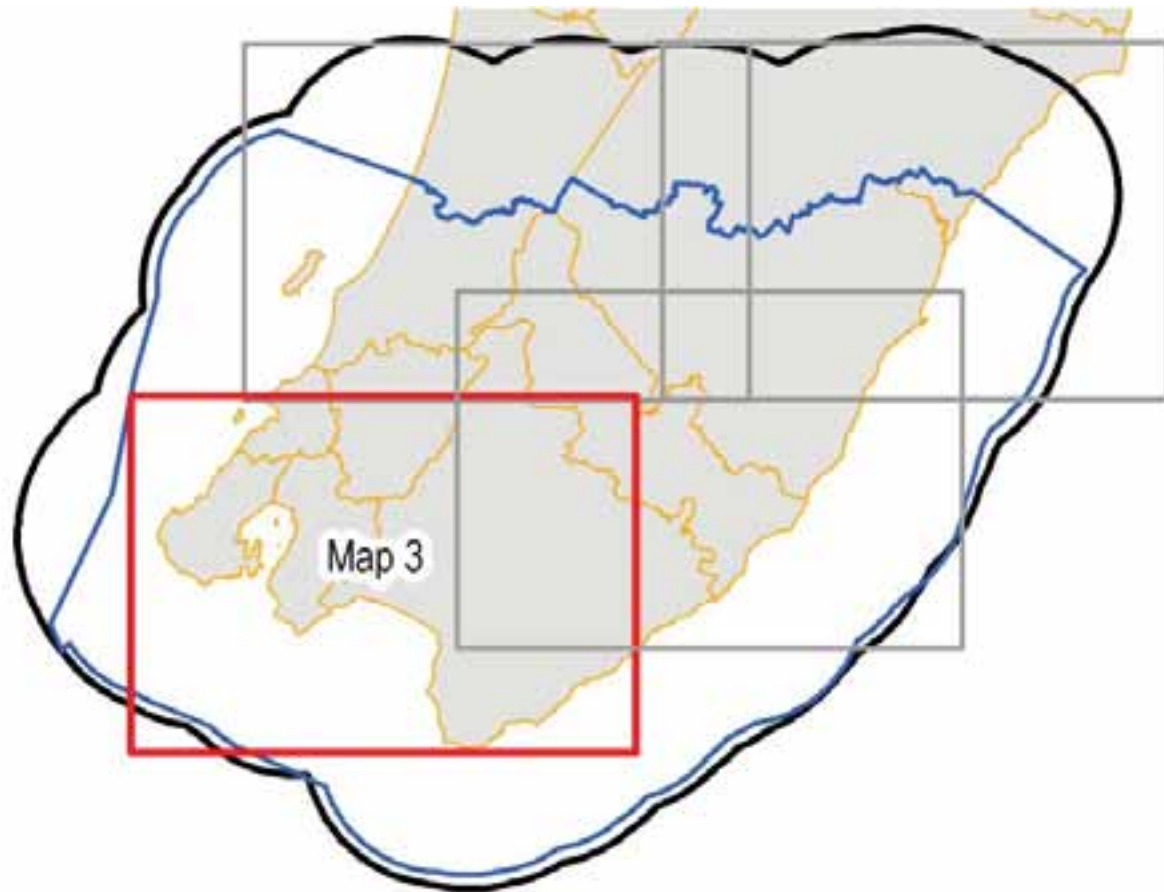
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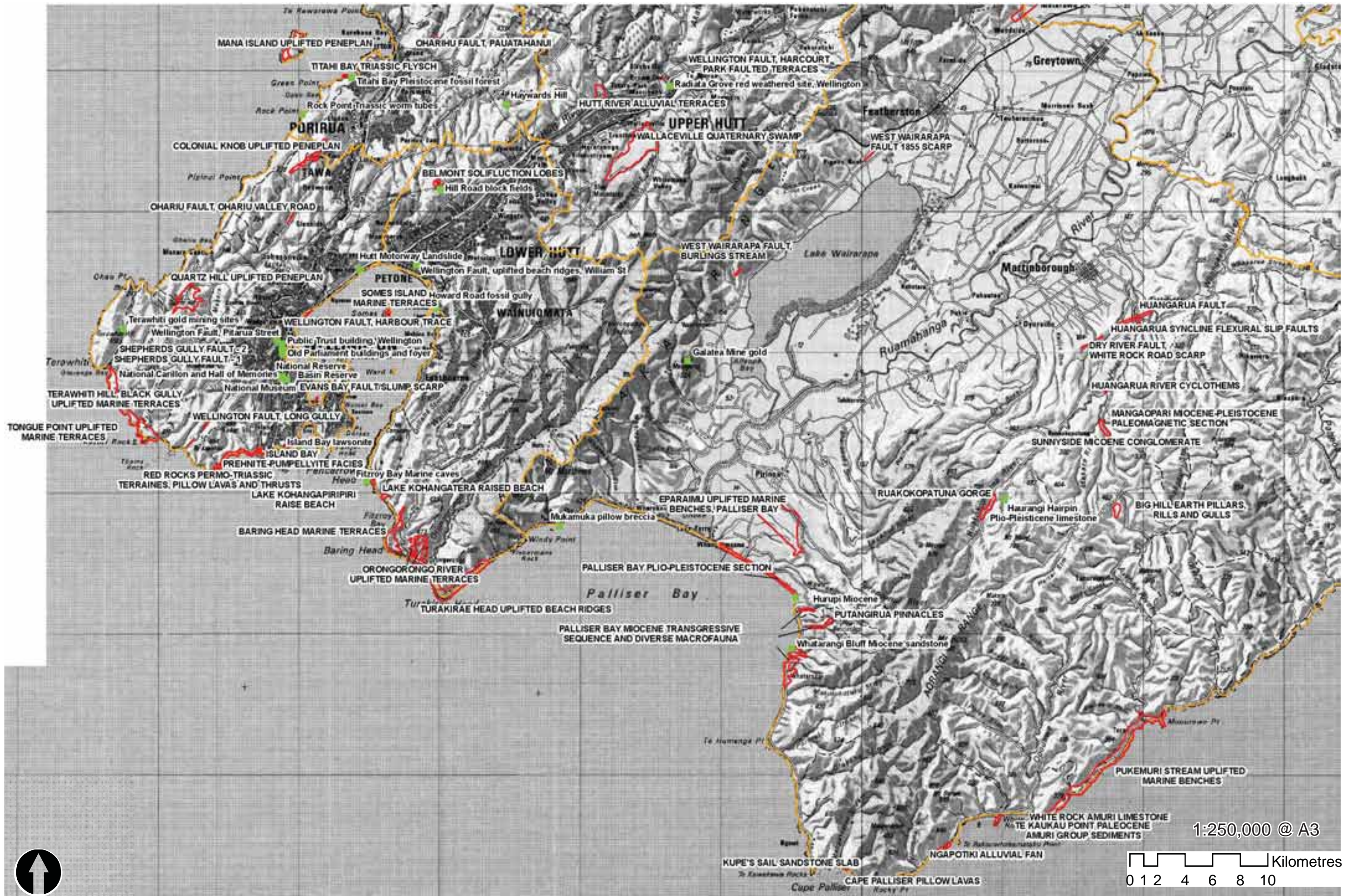
 Territorial Authority

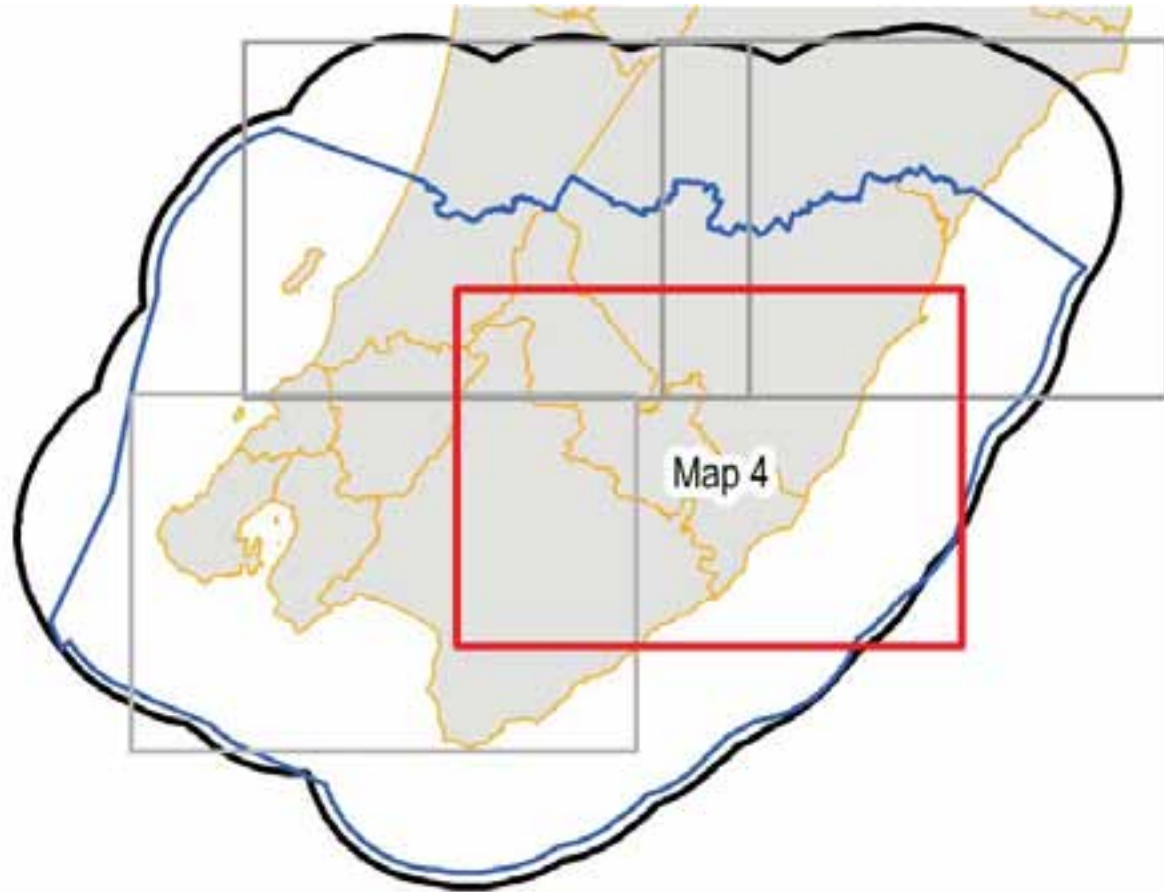
Geopreservation Inventory

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LEGEND

 Territorial Authority

Geopreservation Inventory




 Landforms and Geological Sites (area)
 Landforms and Geological Sites (point)

Notes









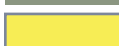
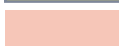



Features from the *Inventory and Maps of Important Geological Sites and Landforms in the Manawatu and Wellington Regions*, 1996. Information was digitized by Isthmus Group. Copyright: Geological Society of New Zealand.



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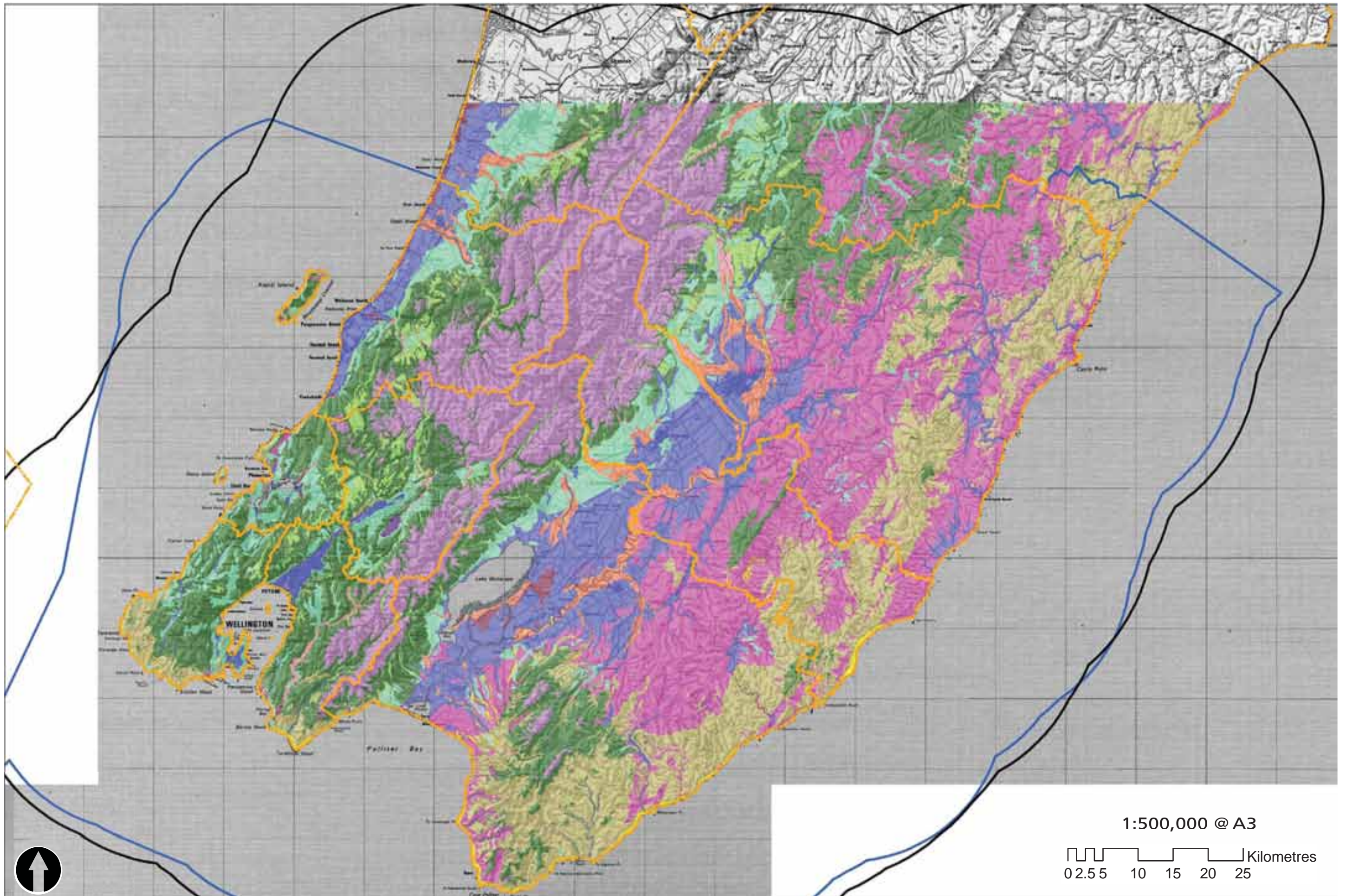
-  Study Area
-  Greater Wellington Regional Council
-  Territorial Authority

Landform - LENZ




-  Easy rolling hills
-  Easy rolling volcanic plateau
-  Flat floodplains
-  Flat plains
-  Flat coastal sandplains
-  Gently undulating plains
-  Steep hills
-  Steep mountainous terrain
-  Strongly rolling hills
-  Undulating coastal floodplains
-  Undulating hills
-  Undulating low slopes as in Mt Taranaki ringplain
-  Very gently undulating plains

Notes

Land Environments of New Zealand (LENZ) is a classification of fifteen climate, landform, and soil variables chosen for their relevance to biological distributions. Data copyright Landcare Research, 2003.



LEGEND

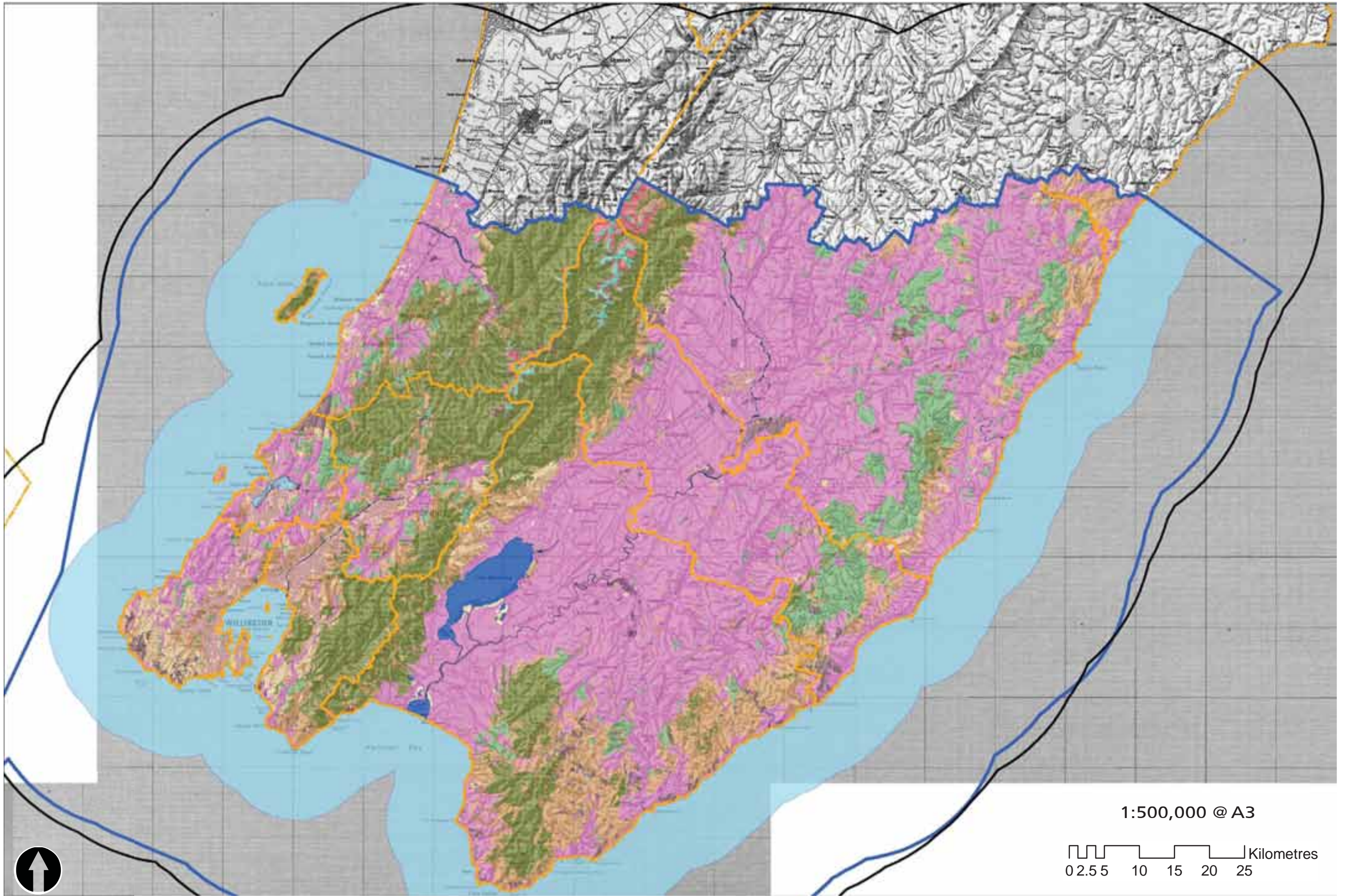
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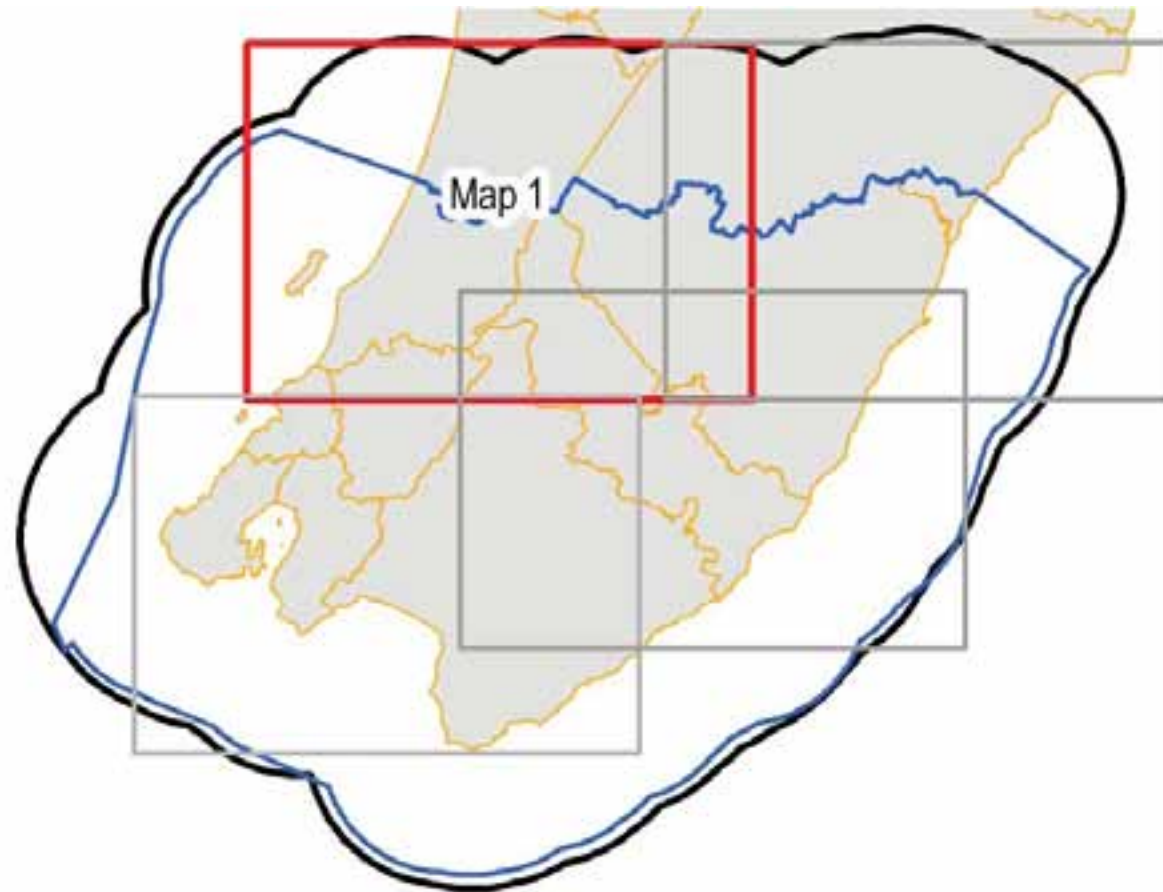
Landcover - NZ Landscape Classification

-  Airport
-  Coastal Sand
-  Exotic Forest
-  Exotic Scrub
-  Freshwater Wetland
-  High Producing Grassland
-  Horticulture
-  Indigenous Forest
-  Indigenous Scrub
-  Lake
-  Low Producing Grassland
-  Mine or Dump
-  River
-  Saltwater Wetland
-  Sea
-  Sub Alpine Scrub
-  Tussock
-  Urban

Notes

Landcover is one of the categories of NZ Landscape Classification data layer. Data from Lars Brabyn, University of Waikato, 2009.





LEGEND

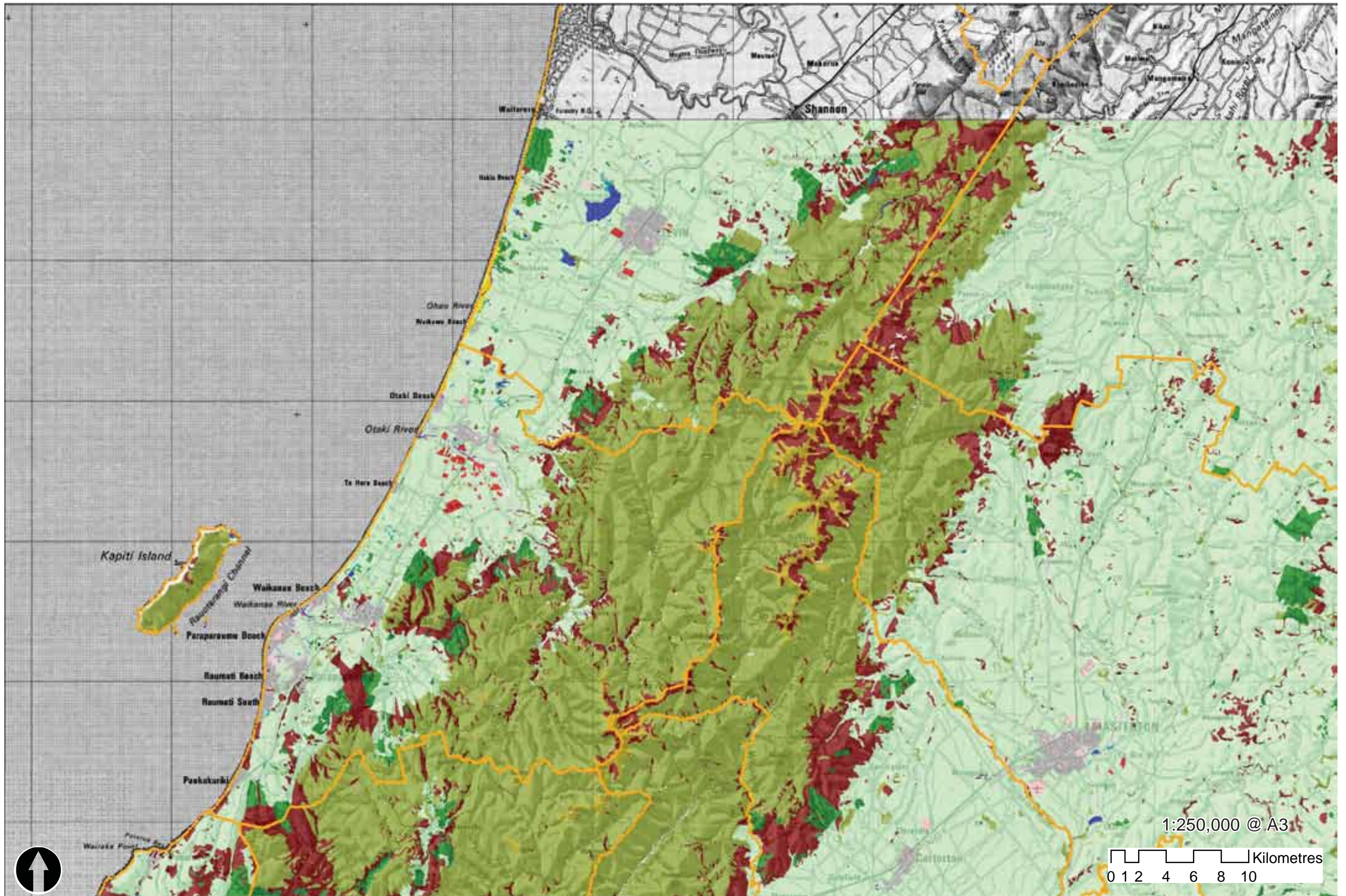
Territorial Authority

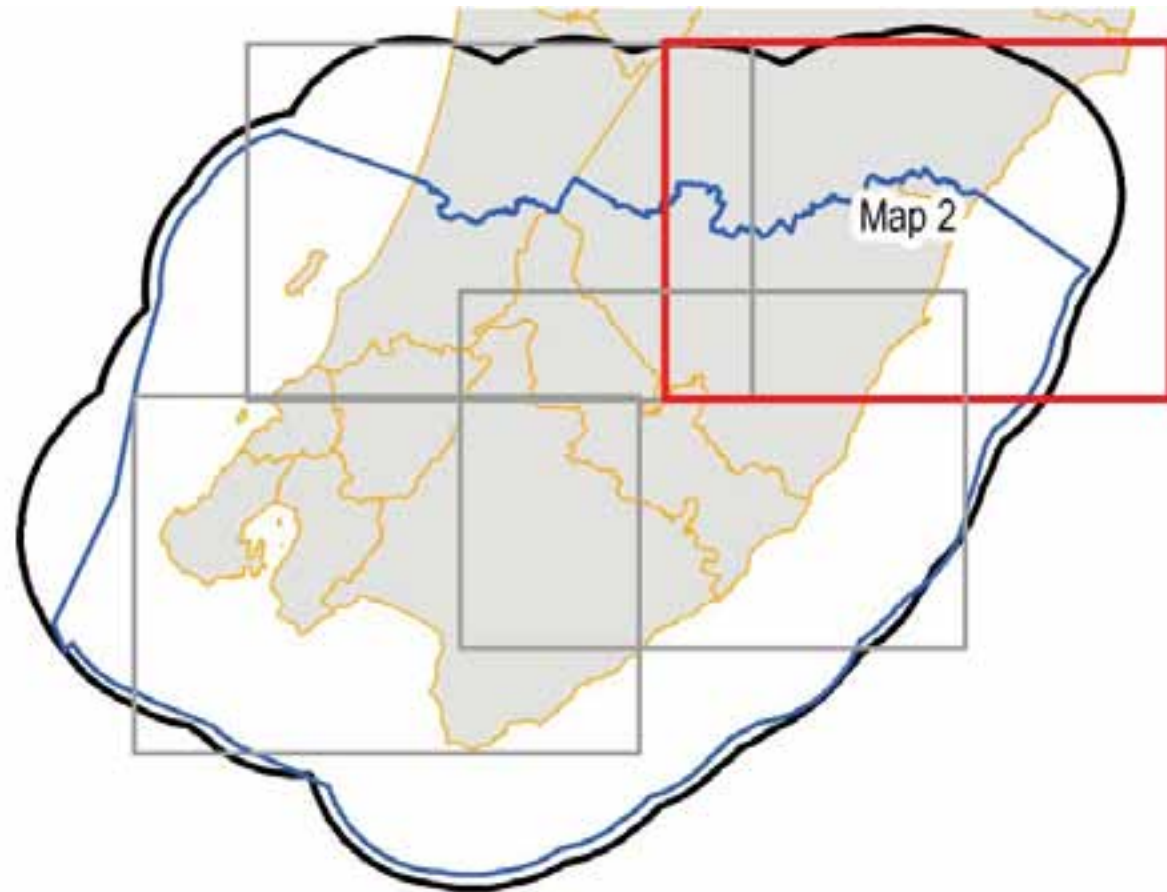
Land Cover

- Urban Areas
- Urban
- Urban open space
- Agricultural Land*
- Primarily pastoral
- Primarily horticulture
- Forest*
- Indigenous forest
- Planted forest
- Other Vegetative Classes*
- Scrub
- Tussock
- Mangrove
- Riparian willows
- Water*
- Inland water
- Wetlands*
- Inland wetlands
- Coastal wetlands
- Barren*
- Coastal sands
- Mines and dumps
- Bare Ground

Notes

LCDB1 is intended to be used in areas such as environmental monitoring, planning and forest mapping. The majority of the imagery was acquired between October 1996 and March 1997. LCDB1 is a representation of New Zealand land cover circa 1997. Copyright Terralink.





LEGEND

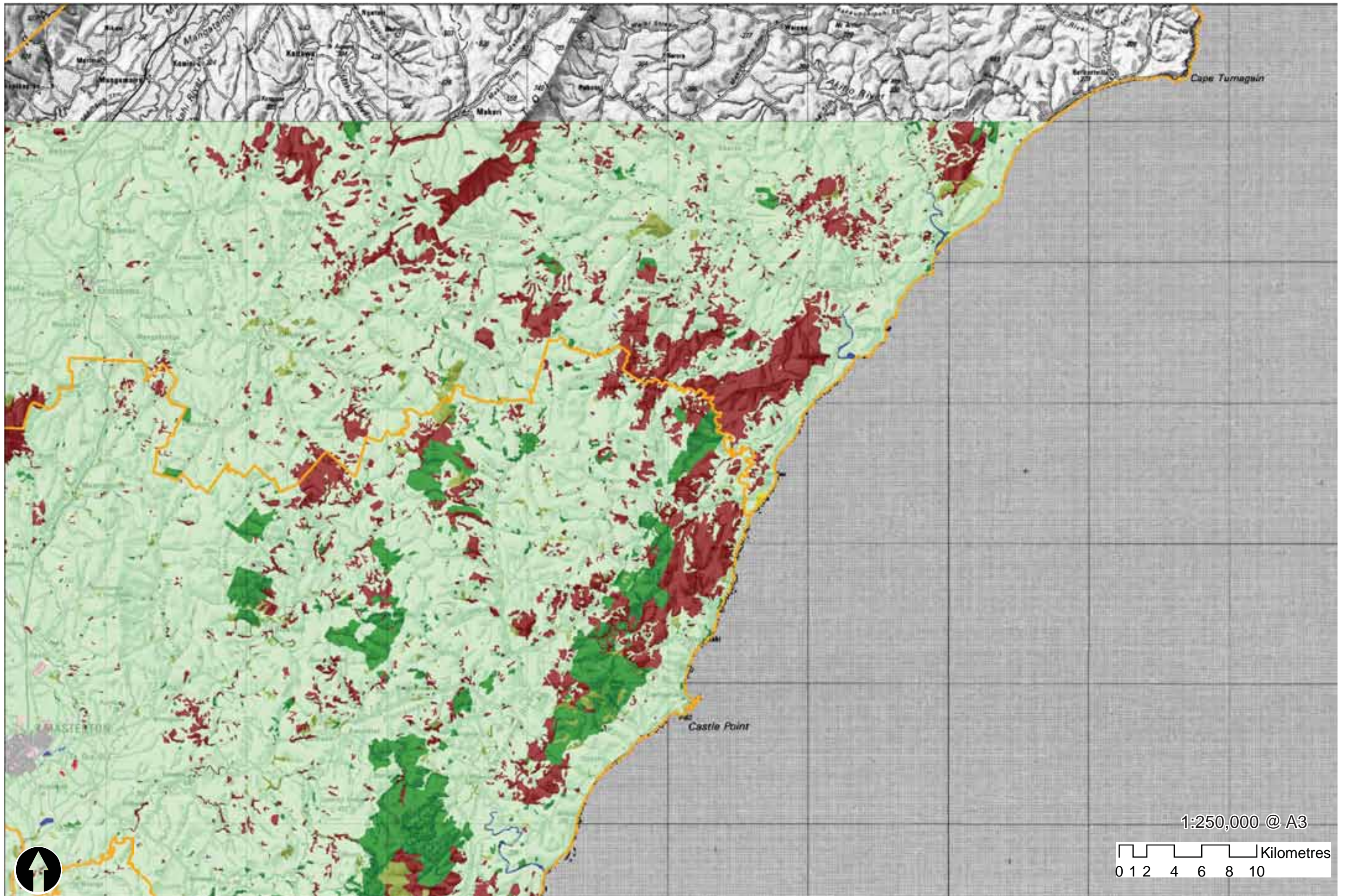
Territorial Authority

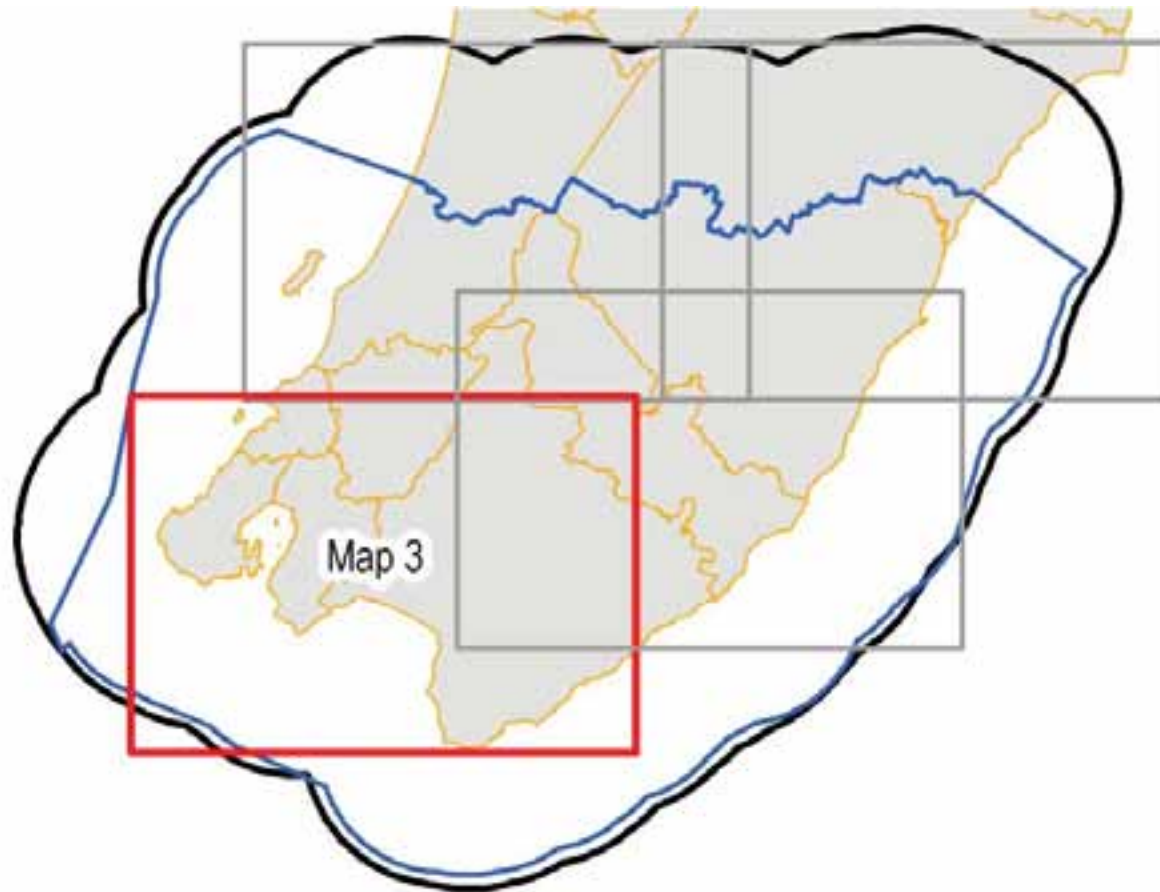
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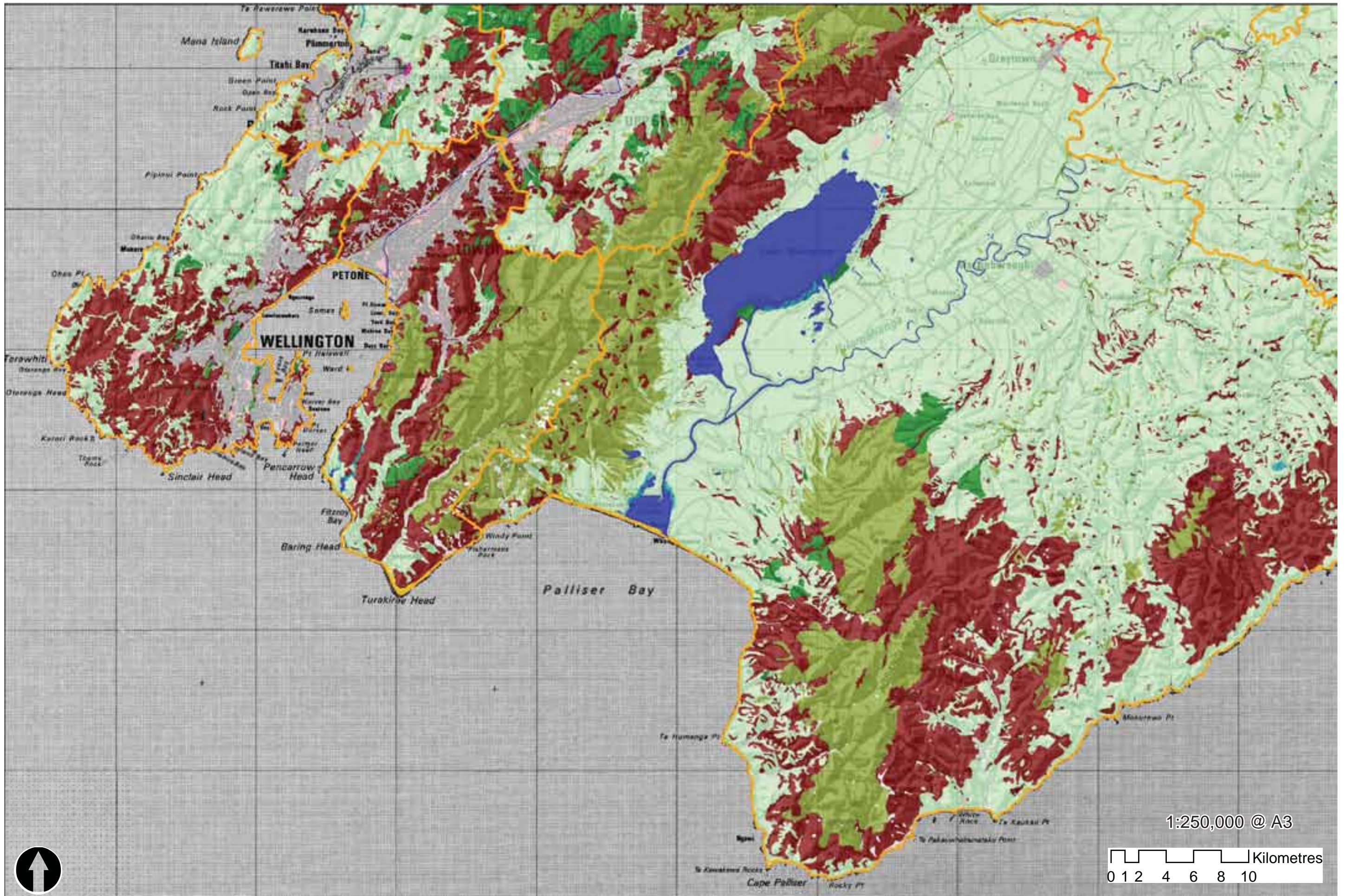
Territorial Authority

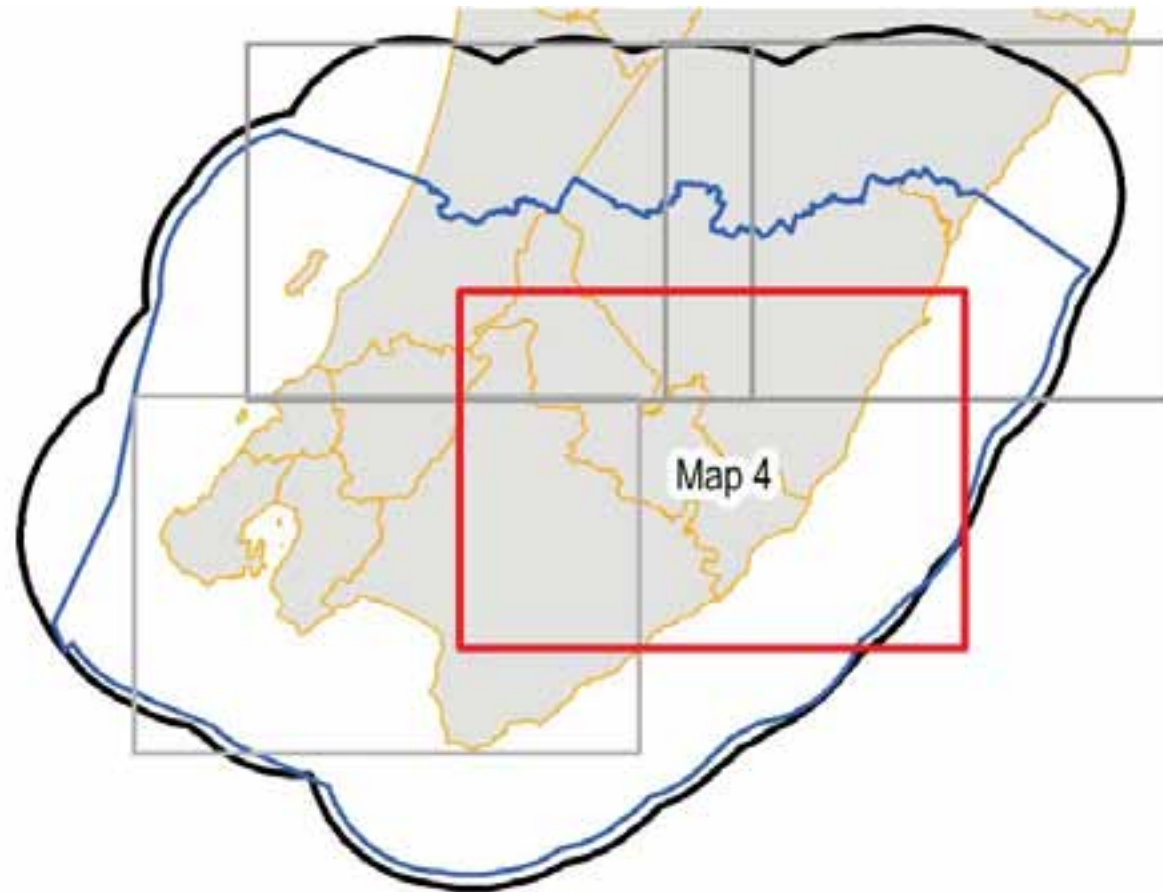
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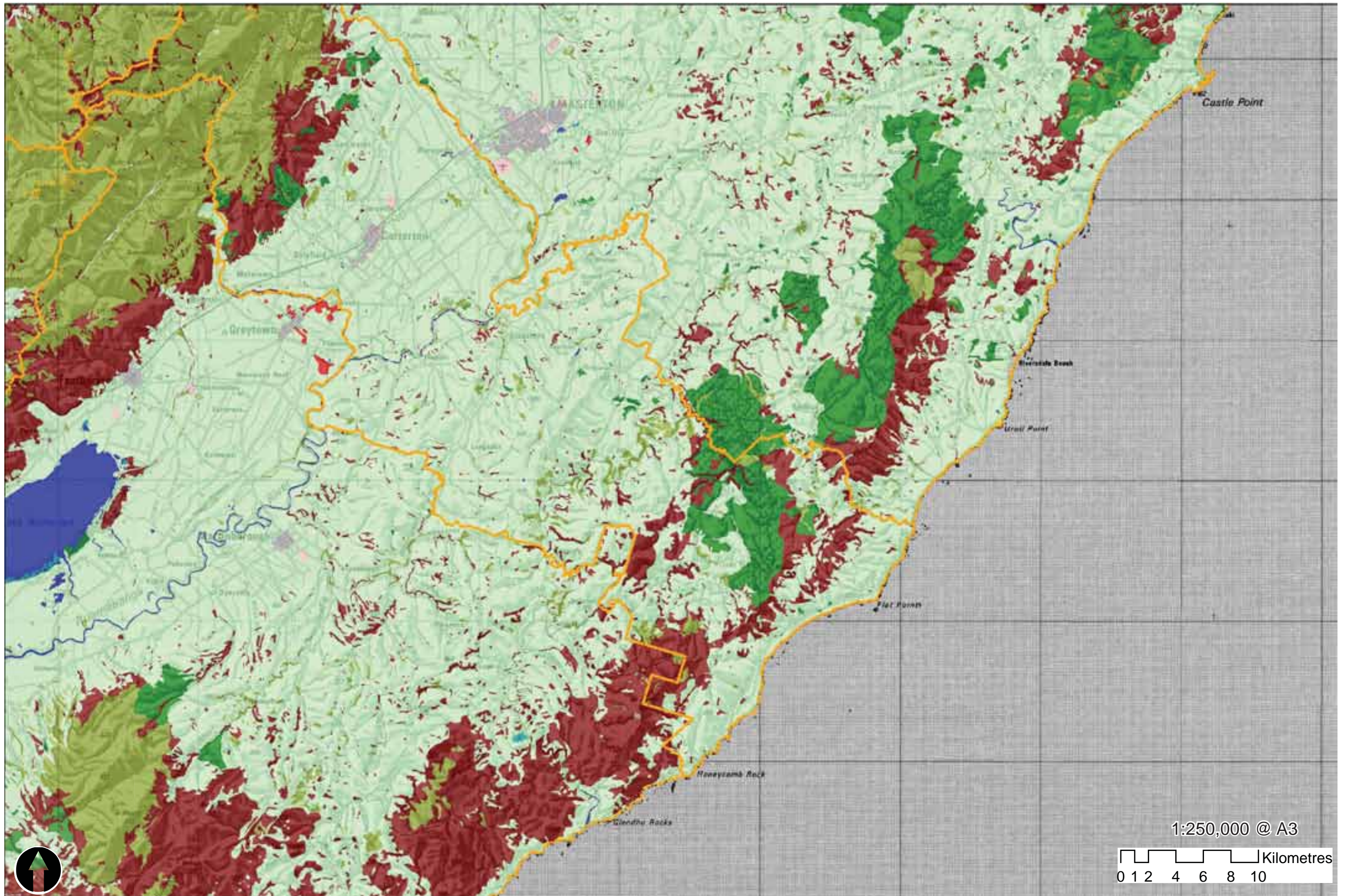
 Territorial Authority

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-  Urban open space
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- Forest*
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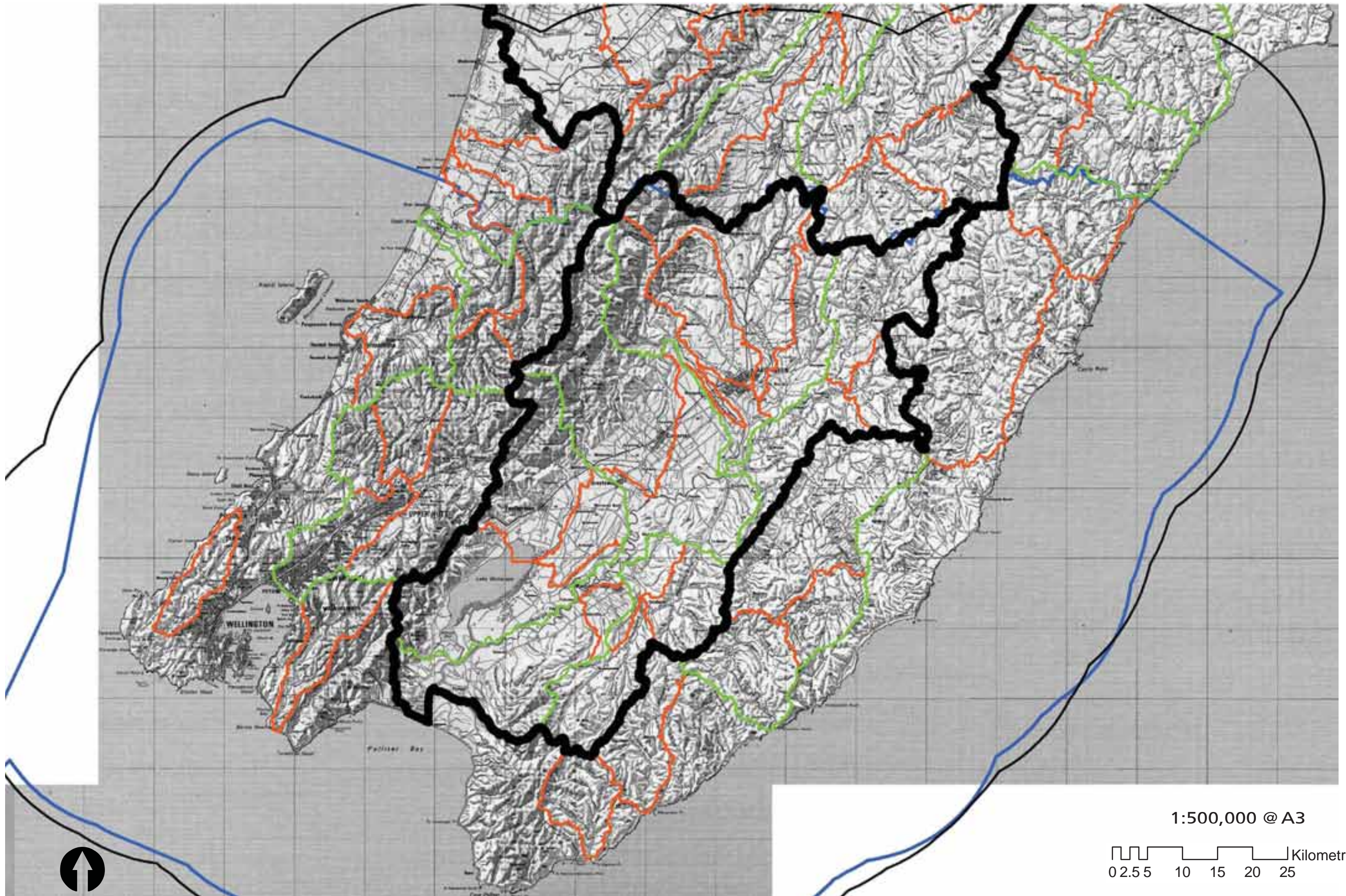
-  Study Area
-  Greater Wellington Regional Council

Catchments - NIWA


-  Catchment Order 7
-  Catchment Order 6
-  Catchment Order 5

Notes




Catchment order is a measure of the relative size of catchments. Catchment sizes range from the smallest, first-order, to the largest, the twelfth-order (the Amazon River). Water catchment data from National Institute of Water & Atmospheric Research (NIWA). General classes displayed here. More detailed data available. Copyright NIWA.



LEGEND

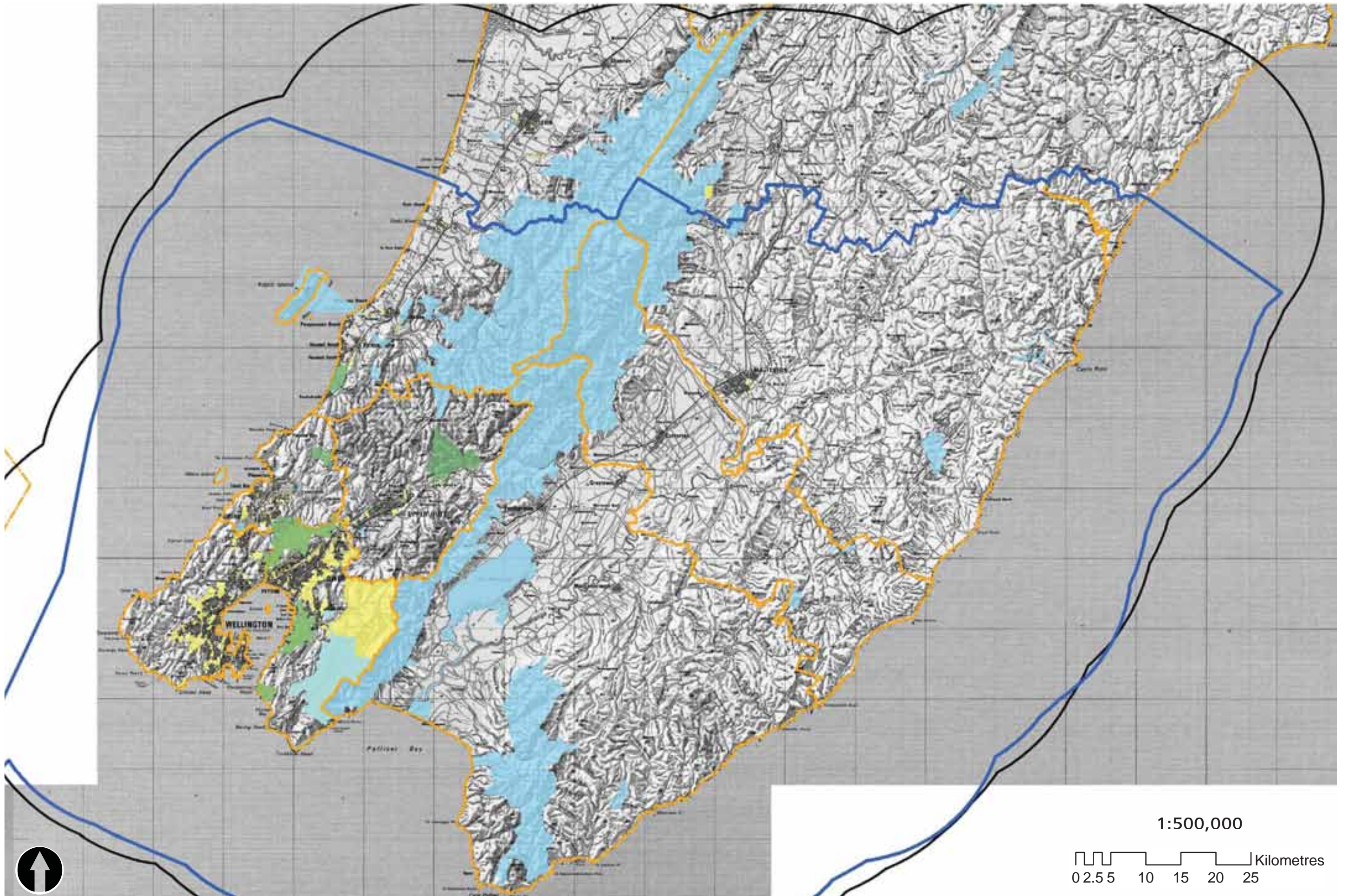
-  Study Area
-  Greater Wellington Regional Council
-  Territorial Authority

Public Land / Reserves


-  DOC Estates, Reserves, Covenants
-  Regional Parks
-  TA Reserves

Notes





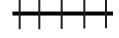
Regional Parks data from Greater Wellington Regional Council.
Department of Conservation (DOC) data copyright DOC.



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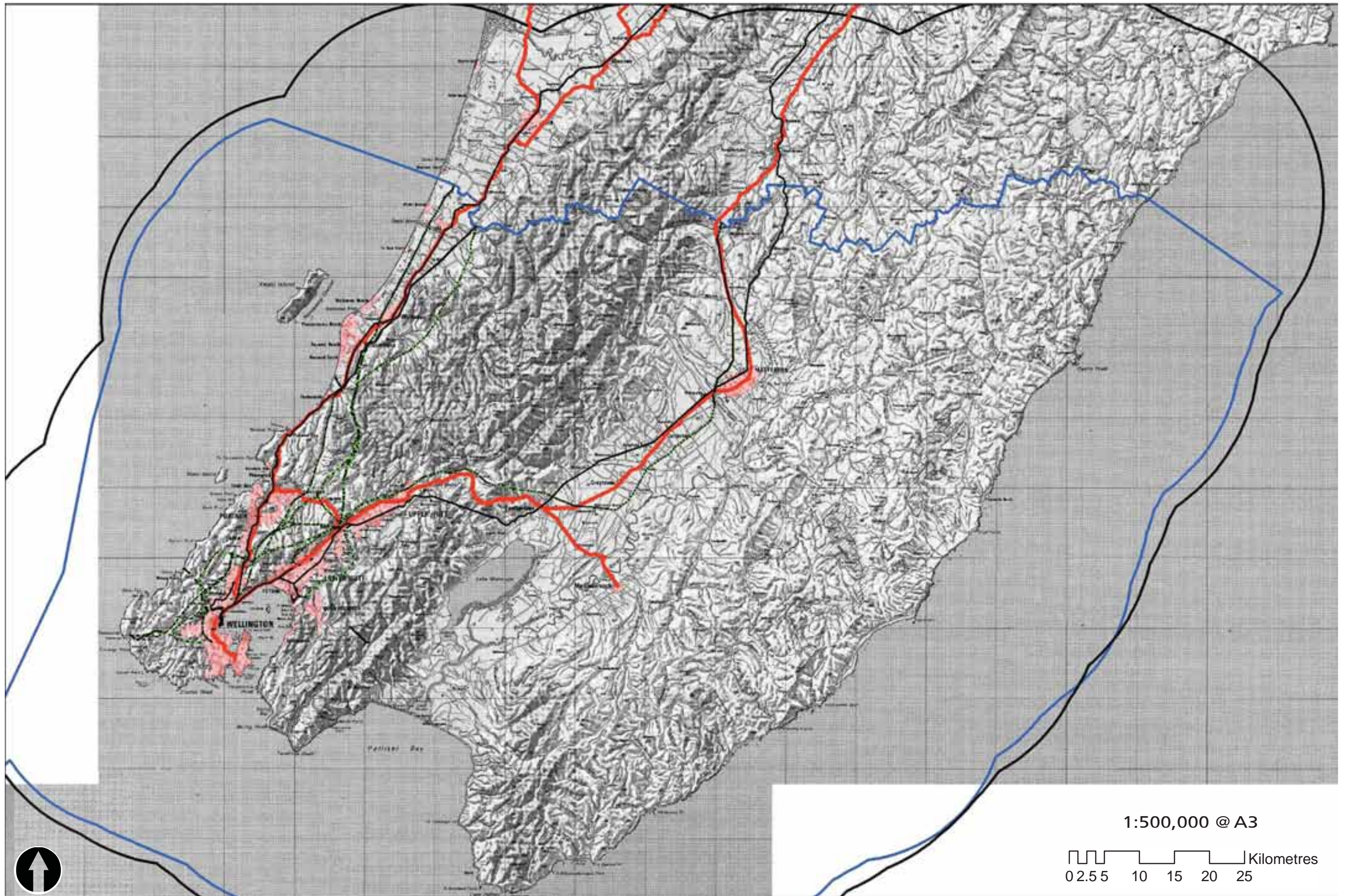
-  Study Area
-  Greater Wellington Regional Council

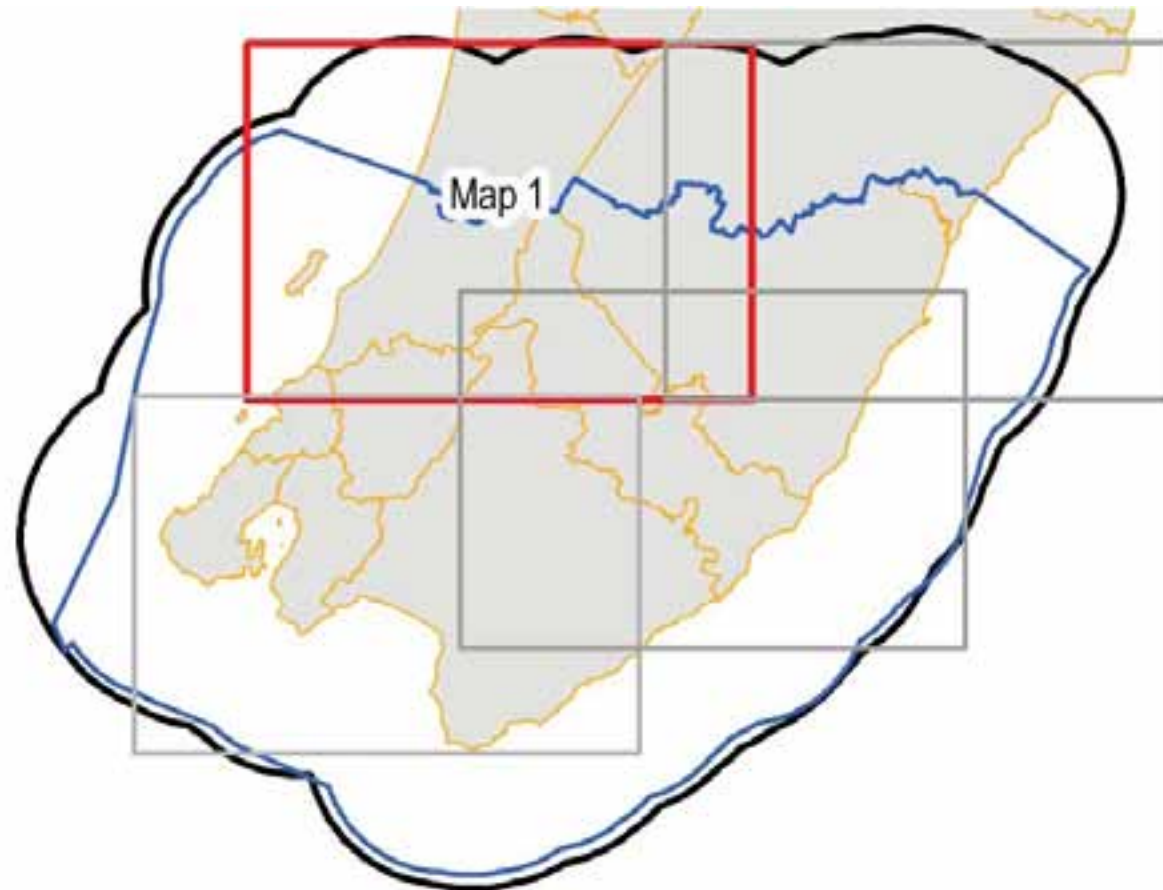
Urban Areas/Infrastructure

-  Built up areas
-  State Highways
-  Transpower National Grid Network
-  Transpower National Grid Points
-  Railroad

Notes

Built up areas, railroad and highway data from New Zealand topography, Land Information New Zealand (LINZ).





LEGEND

 Territorial Authority

Regional Heritage Data

NZ Archaeology Association

 Archaeology Points

Historic Trust

 Scheduled Historic Places, Category I and II

Local Heritage Data

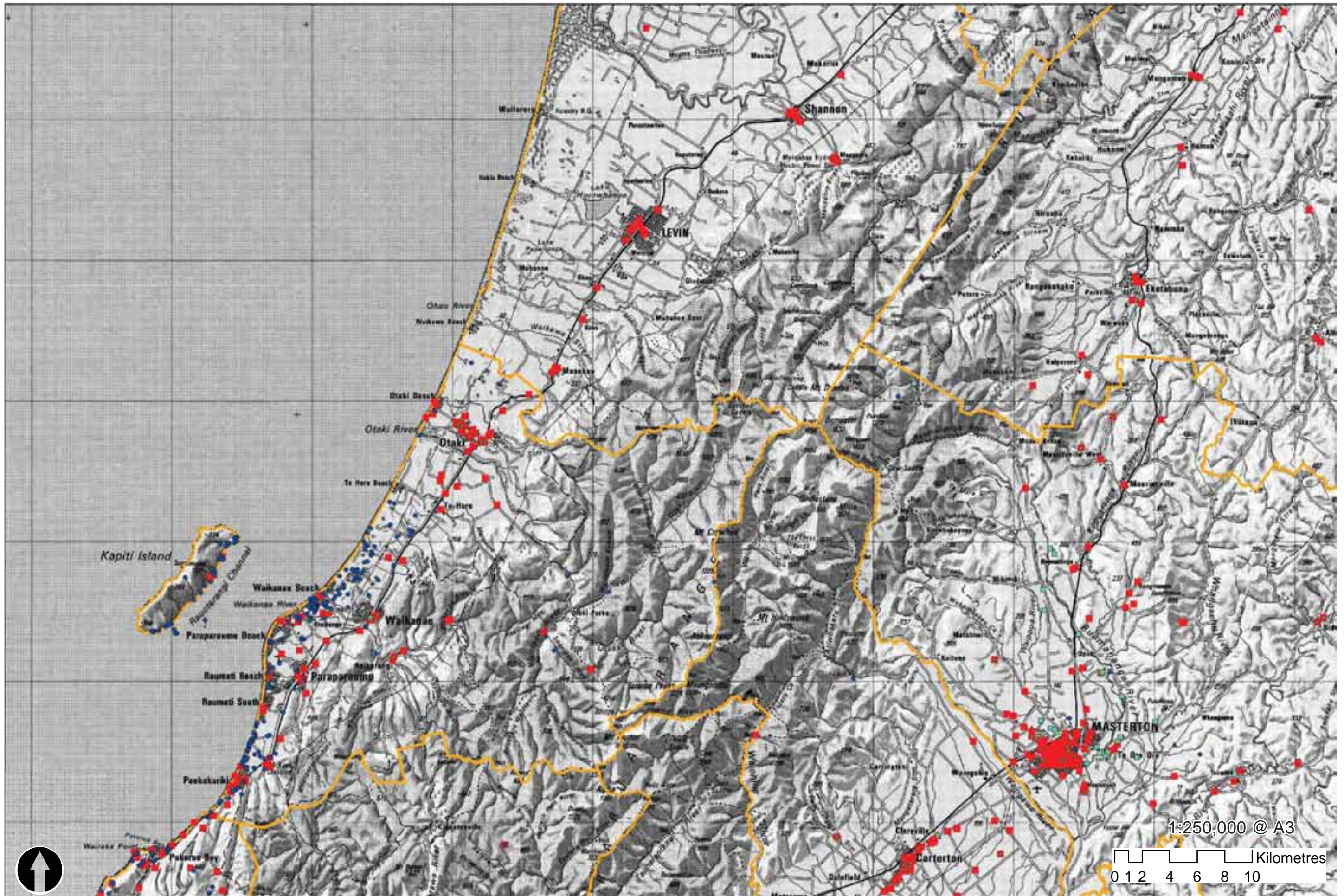
Territorial Authority

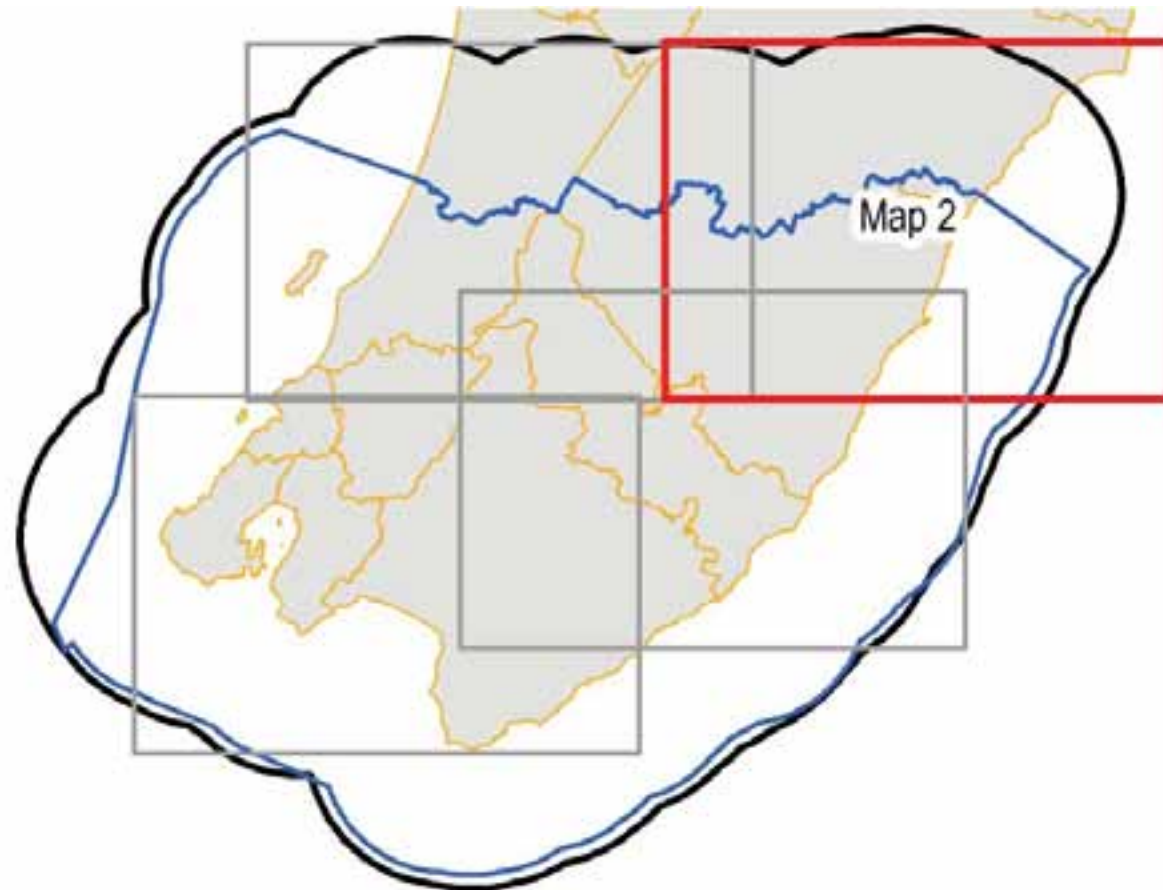
 Heritage Points

 Wahi Tapu Sites (KCDC, Wairarapa Combined District Plan only)

Notes

- Archaeology points copyright New Zealand Archaeological Association, copyright 2009.
- The data layer represented here is a draft digital representation of the registered sites. Digitised by Isthmus. Copyright Historic Places Trust. Mapped information is made available by the NZHPT for inspection on these conditions:
 - (a) Except for any liability to consumers under the Consumer Guarantees Act 1993, the NZHPT is not liable for any loss or damage suffered by you or by any others as a result of your or any other person's reliance on this information.
 - (b) If you are inspecting this information for business purposes, the Consumer Guarantees Act 1993 does not apply. See full disclaimer in geodatabase metadata.
- Heritage Points from Territorial Authority Operative District Plan maps. Wahi Tapu Sites from Kapiti Coast District Council and Wairarapa Combined District Plan jurisdictions.





LEGEND

 Territorial Authority

Regional Heritage Data

NZ Archaeology Association

 Archaeology Points

Historic Trust

 Scheduled Historic Places, Category I and II

Local Heritage Data

Territorial Authority

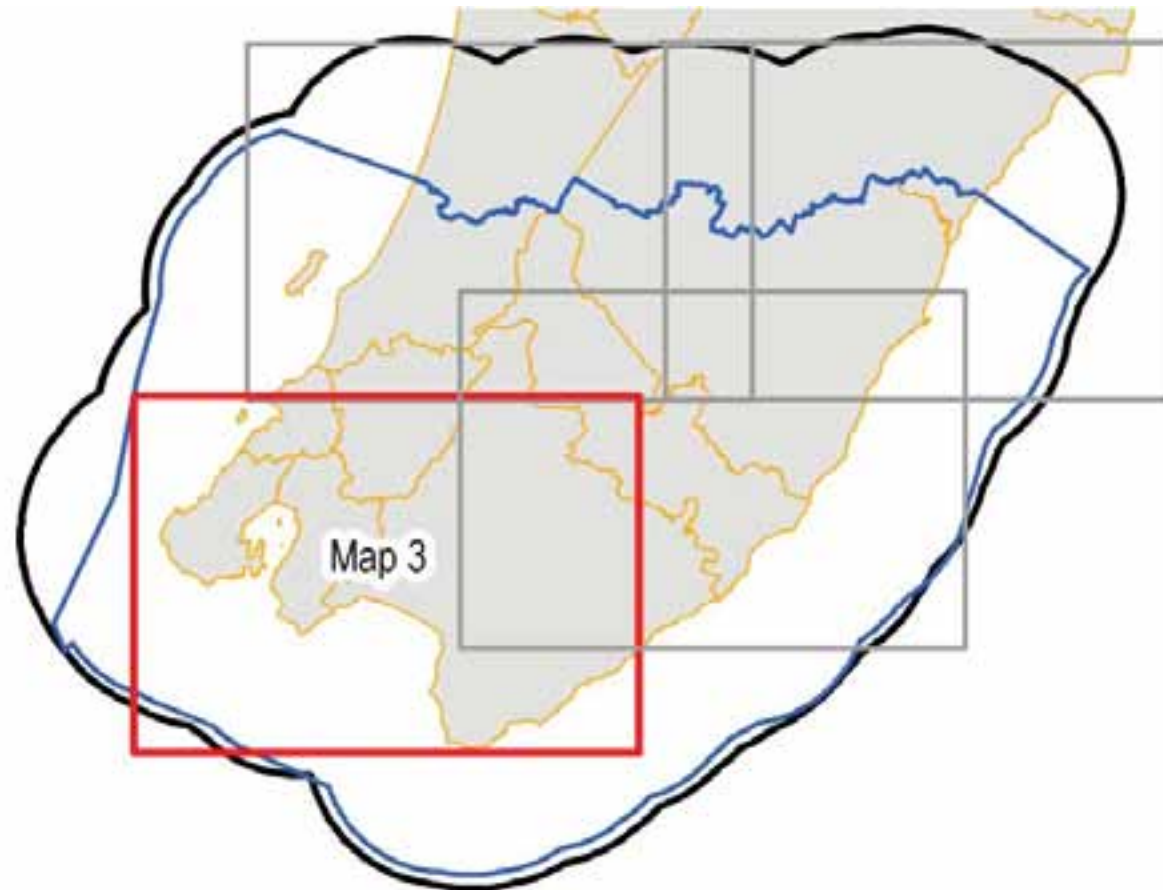
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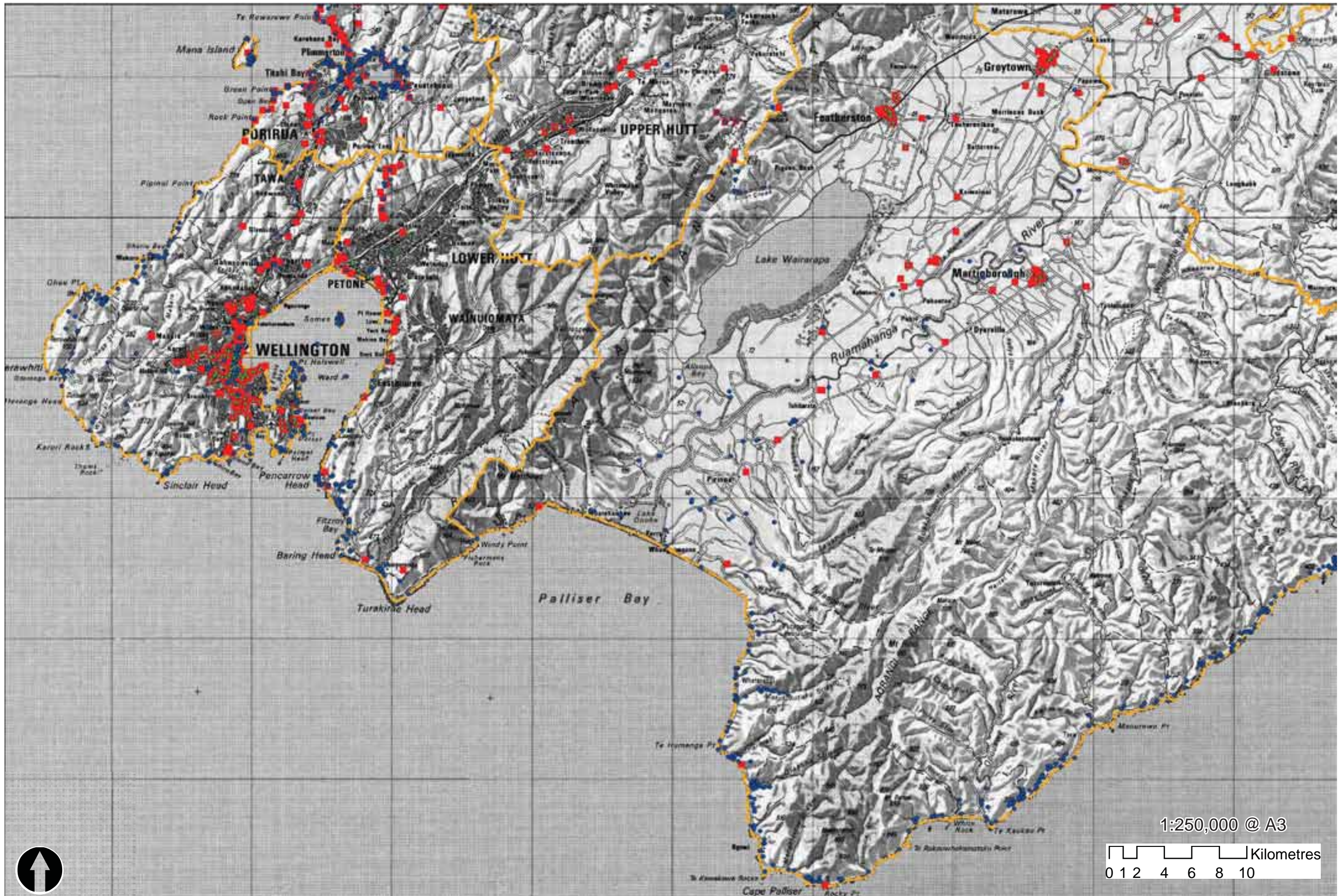
Territorial Authority

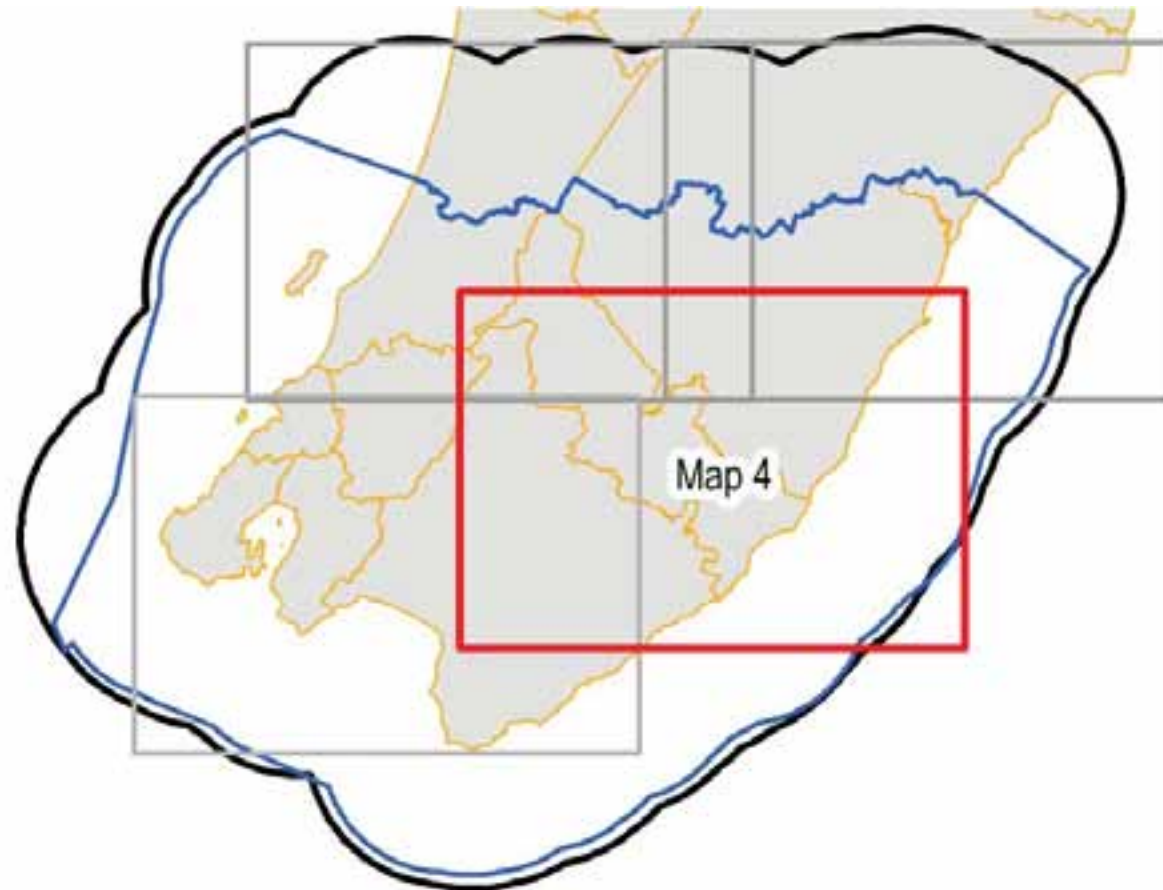
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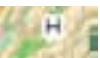






LEGEND

-  Study Area
-  Greater Wellington Regional Council
-  Territorial Authority

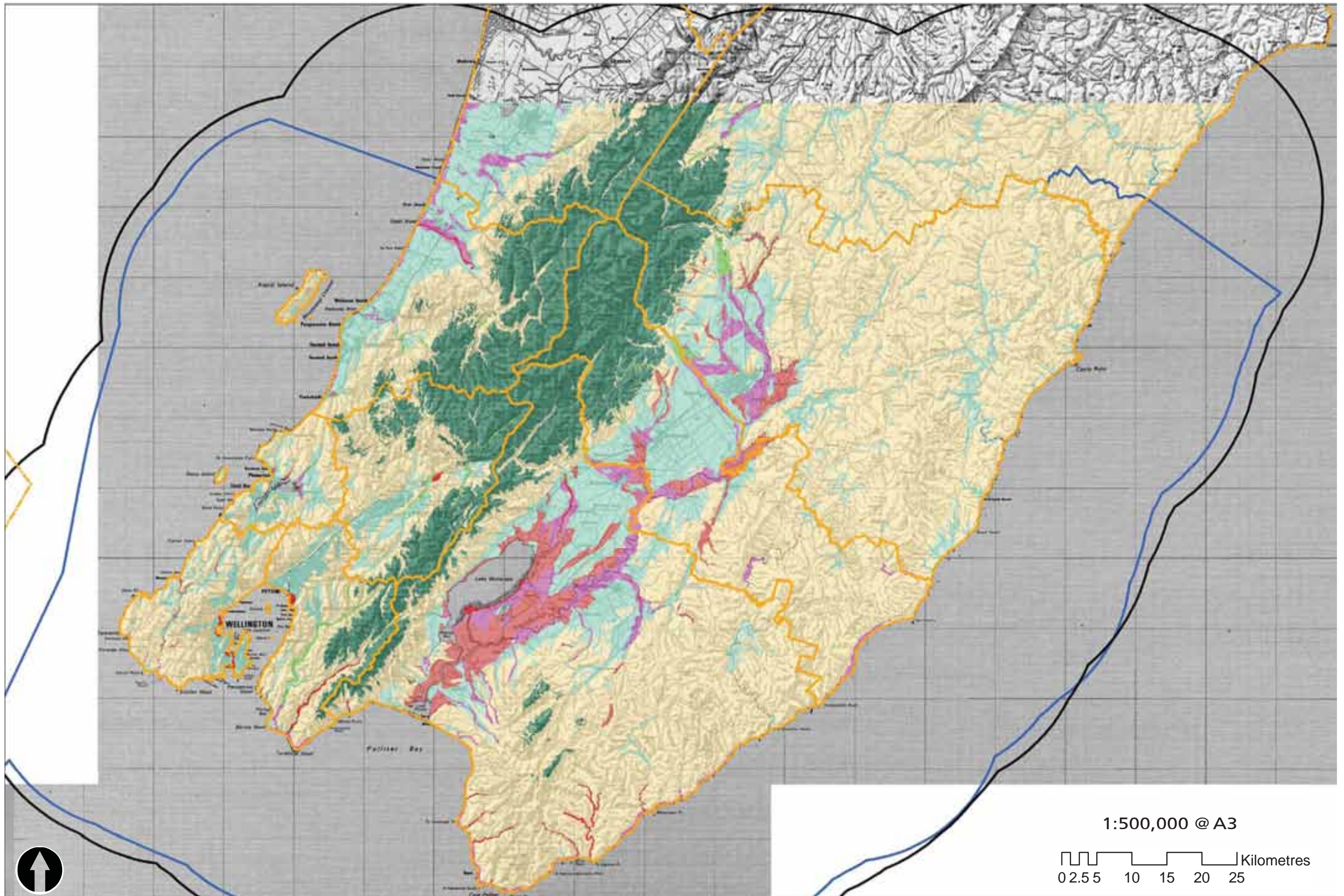
LENZ Environments

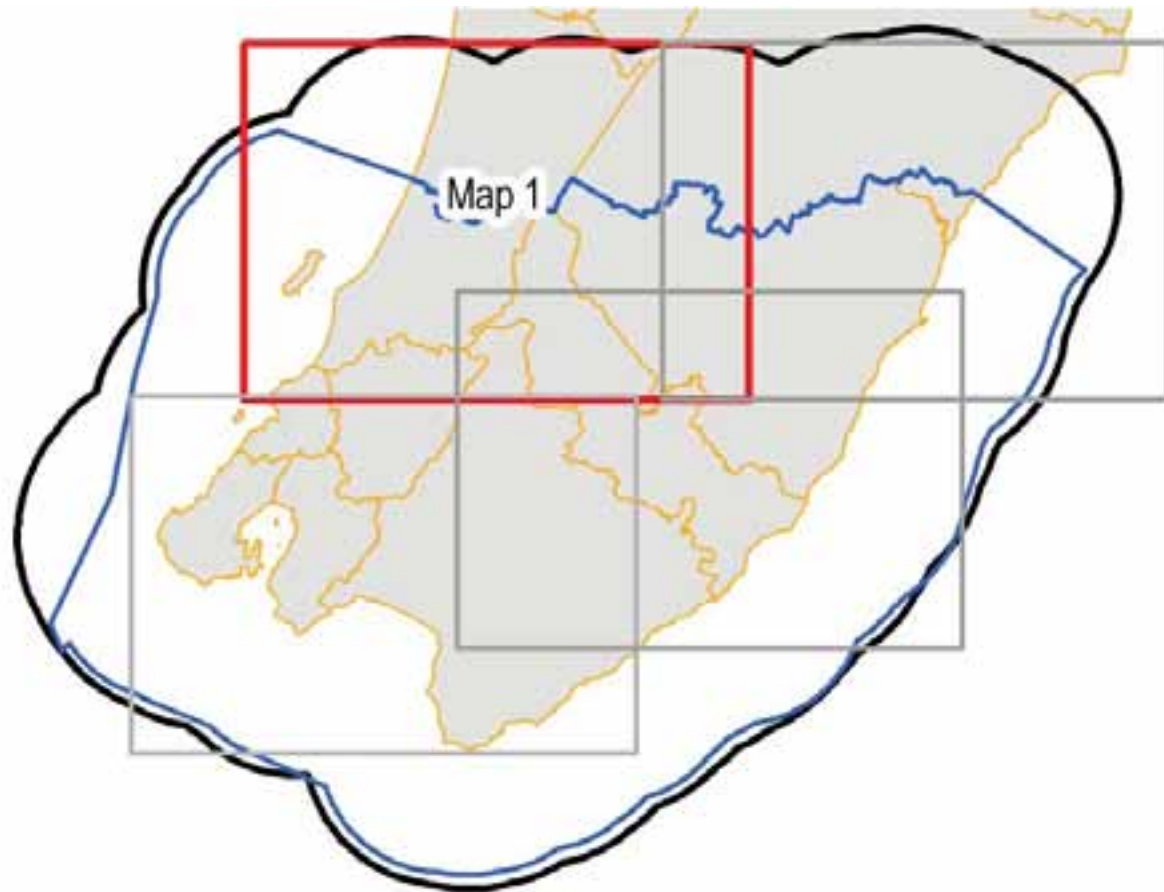
LEVEL I

-  C - Western & southern North Island lowlands
-  F - Central hill country & volcanic plateau
-  H - Central sandy recent soils
-  I - Central poorly-drained recent soils
-  J - Central well-drained recent soils
-  Null (red)
-  P - Central Mountains

Notes

Map derived from LENZ Level I data. See *Land Environments of New Zealand* (2003) for further descriptions of classes. Data copyright Ministry for the Environment.











LEGEND

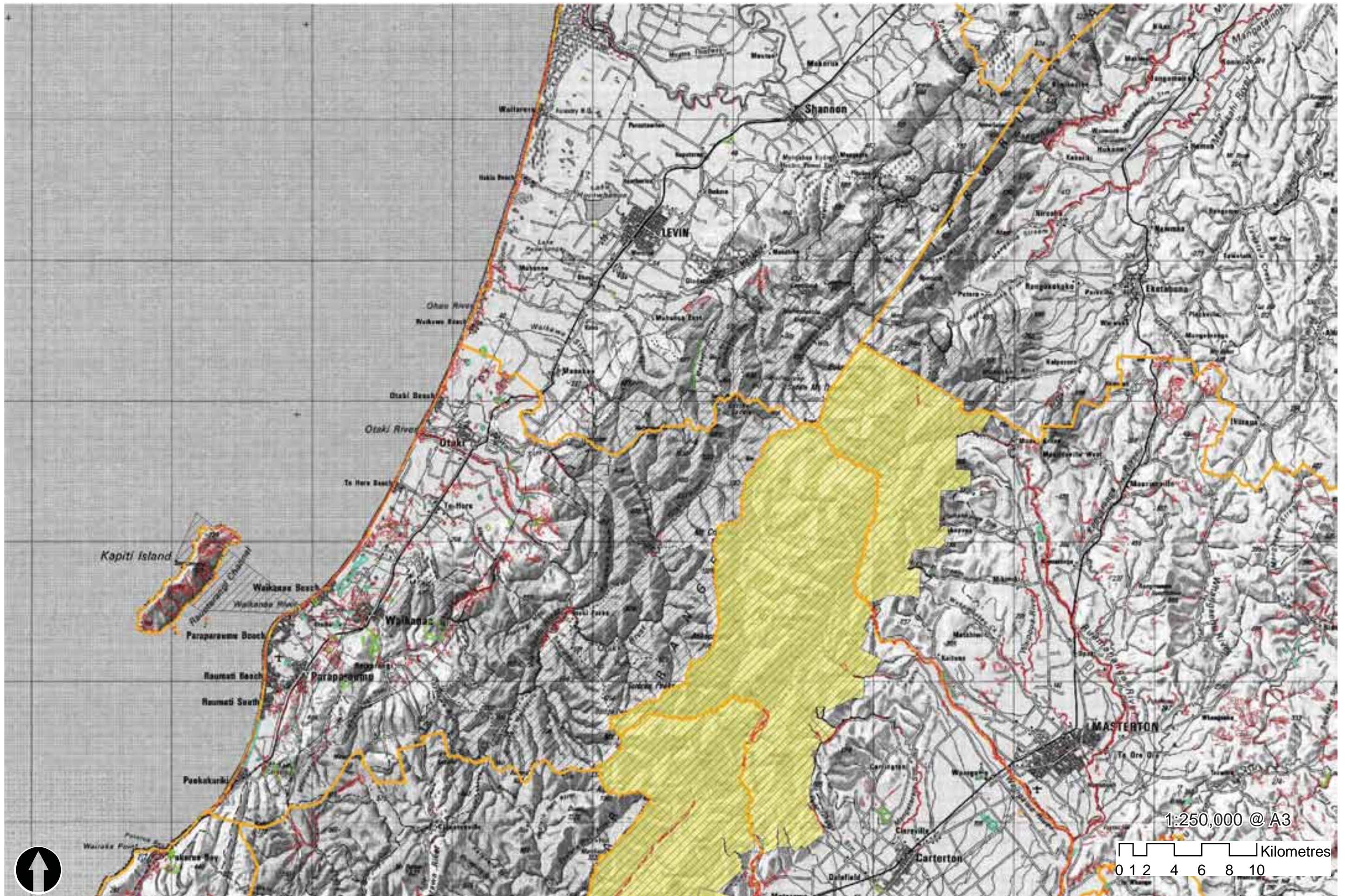
 Territorial Authority

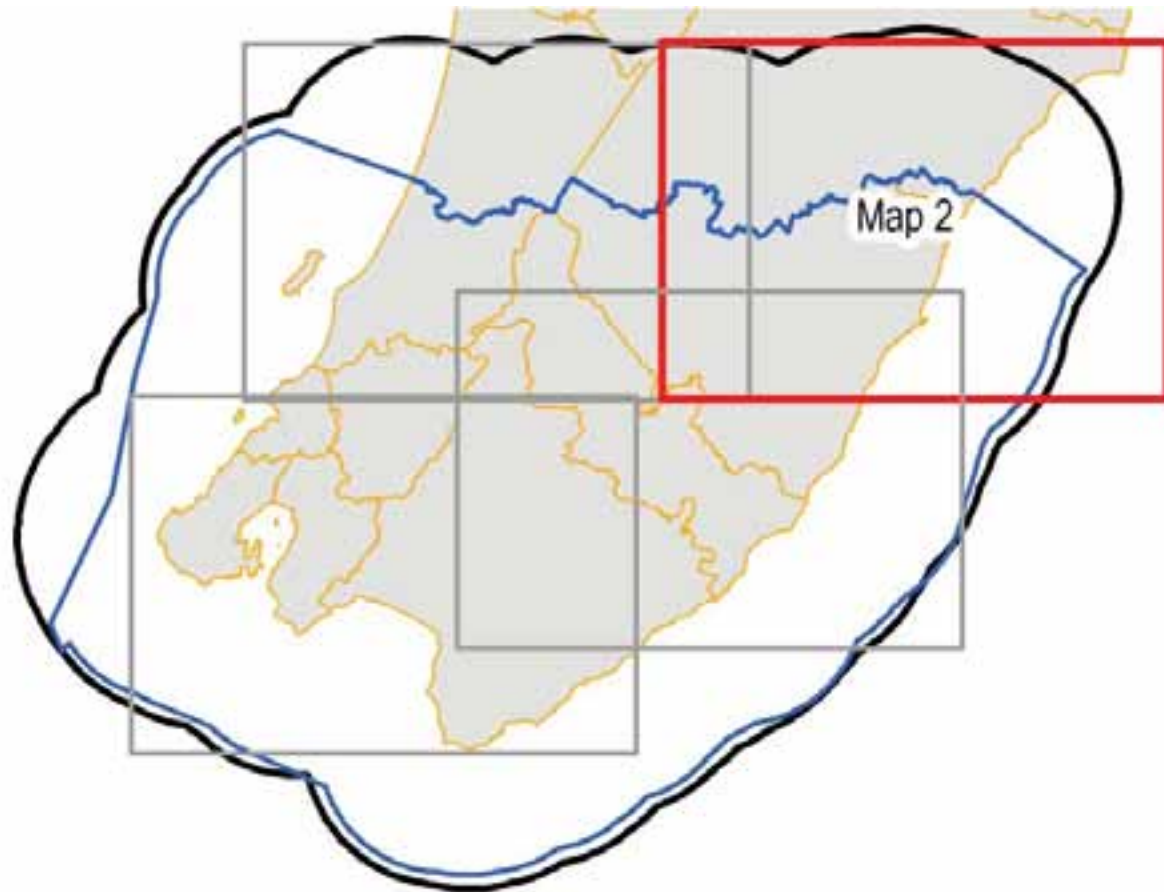
Environmental Management

-  DOC Reserves, Estates and Covenants
-  Significant Natural Areas, Proposed Combined Wairarapa District Plan
-  DOC RAMSAR Candidate Sites
-  DOC Protected Private Land
-  DOC Indigenous Threatened Environments
-  DOC RAP Sites

Notes

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- DOC Indigenous Threatened Environments as defined for the Protected Natural Areas initiative 2008, copyright Department of Conservation.
- DOC RAP Sites, "Recommended Areas for Protection", 2008, copyright Department of Conservation.











LEGEND

 Territorial Authority

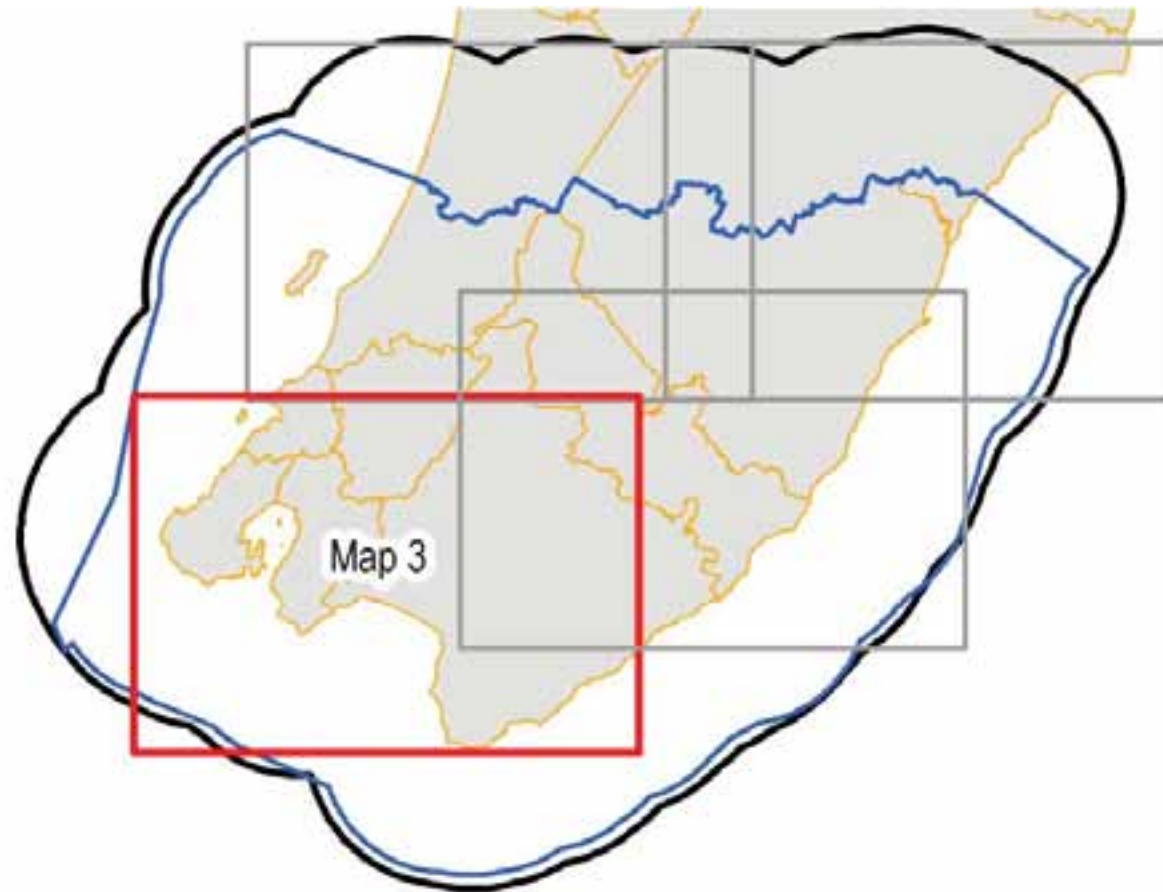
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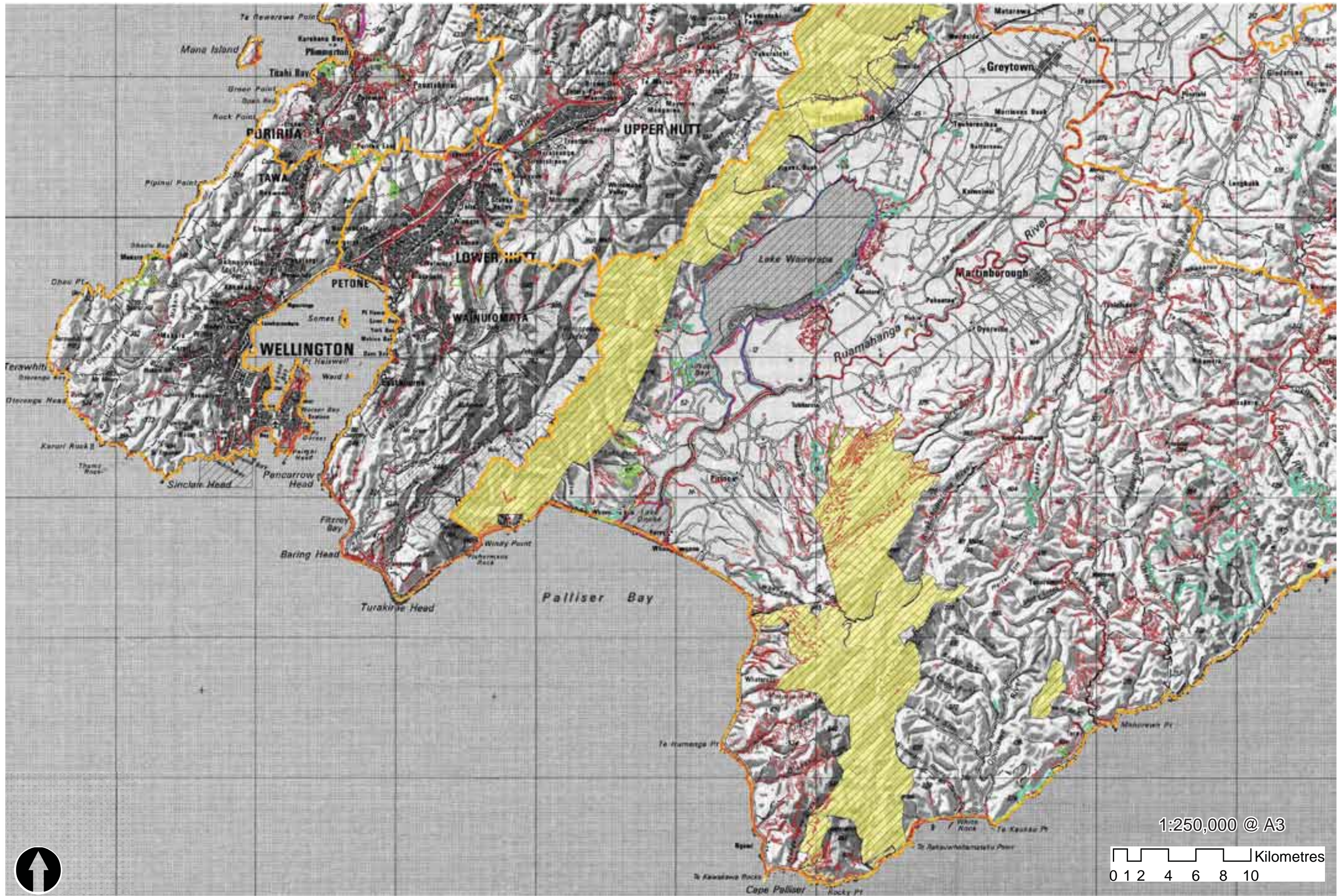
 Territorial Authority

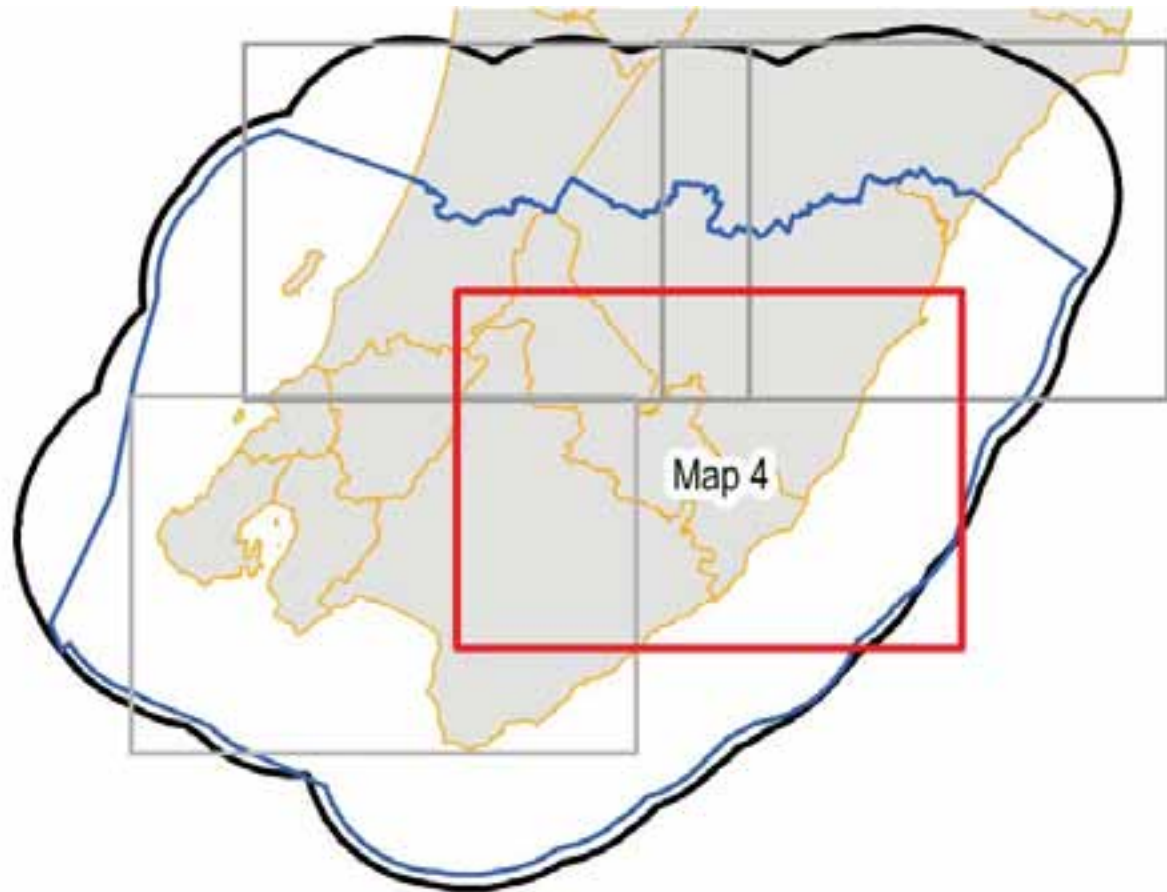
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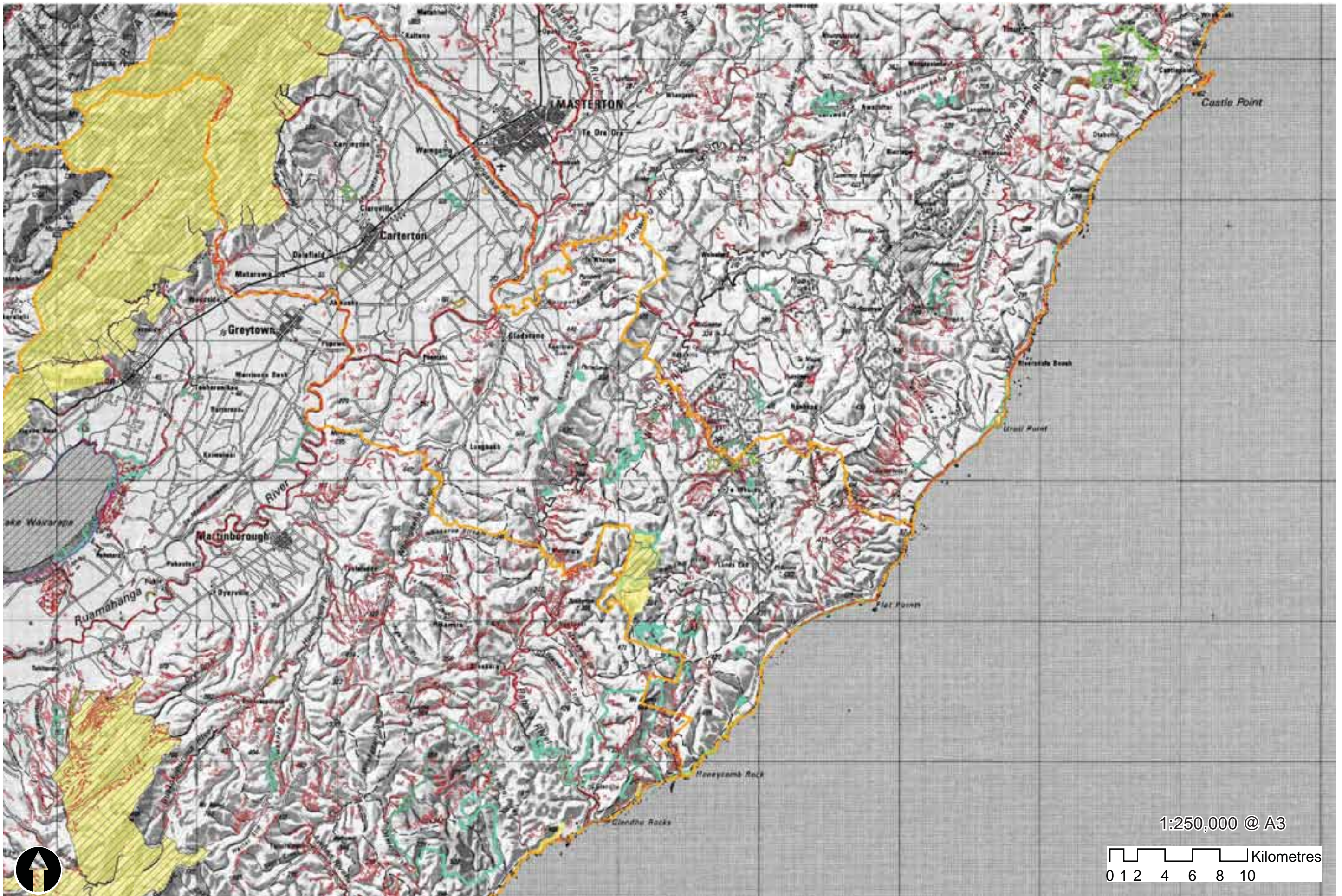
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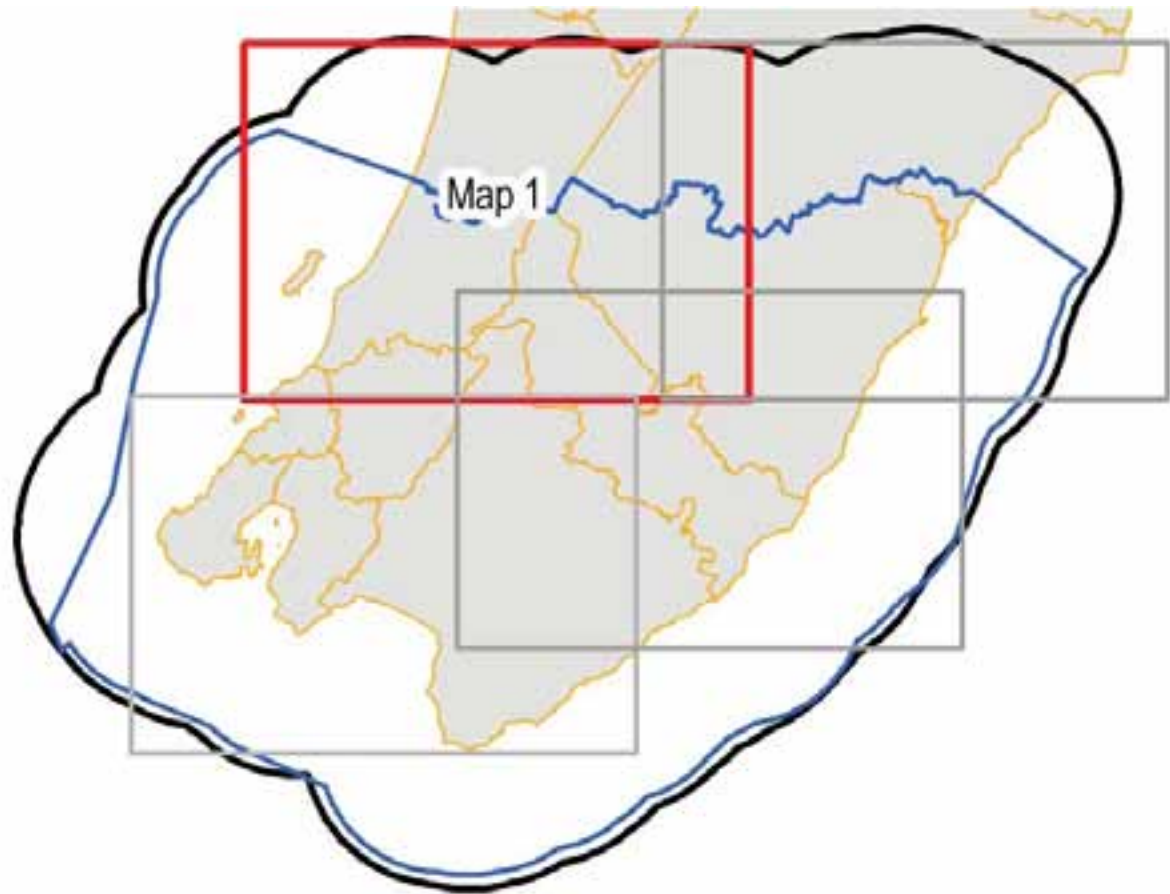
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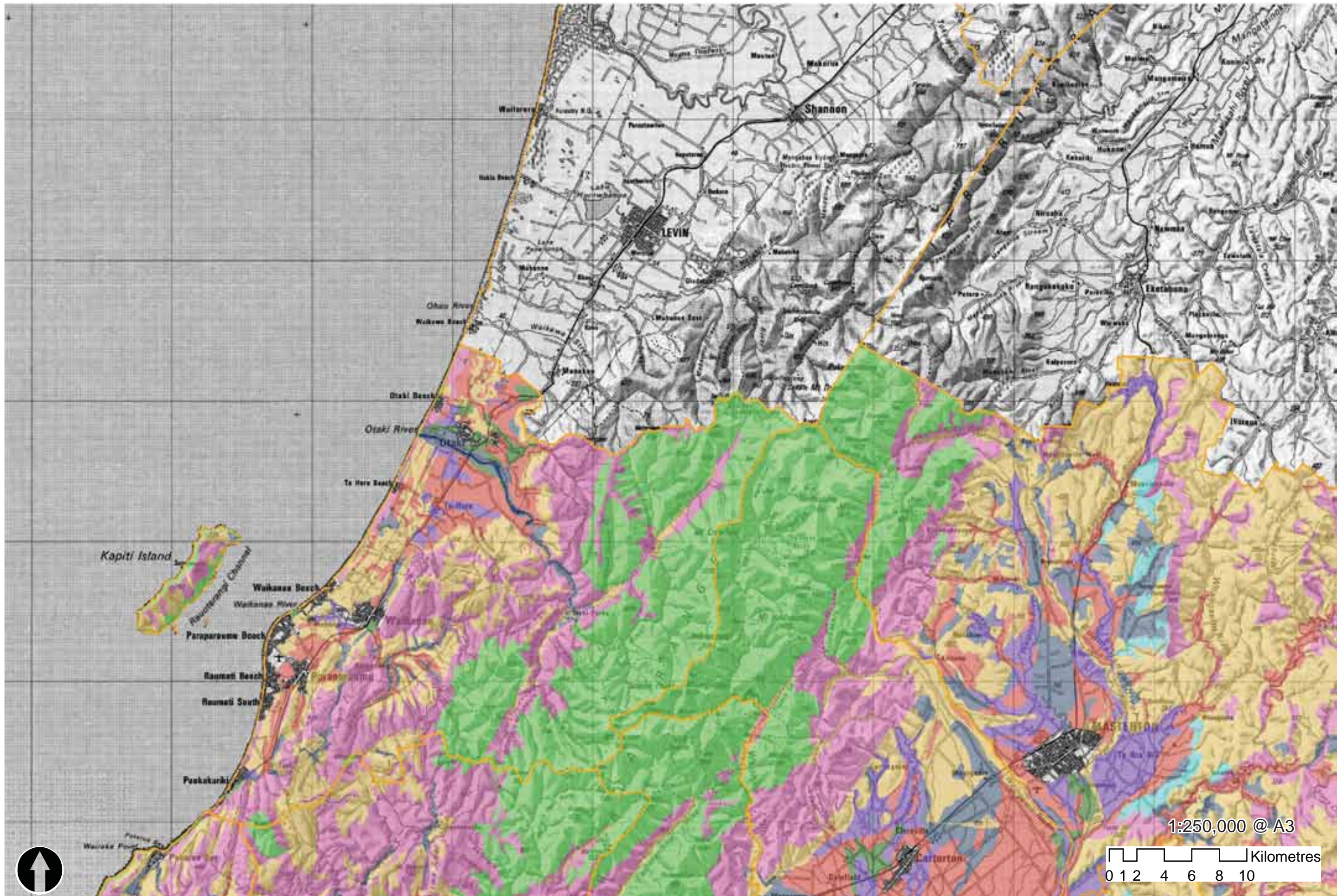
Territorial Authority

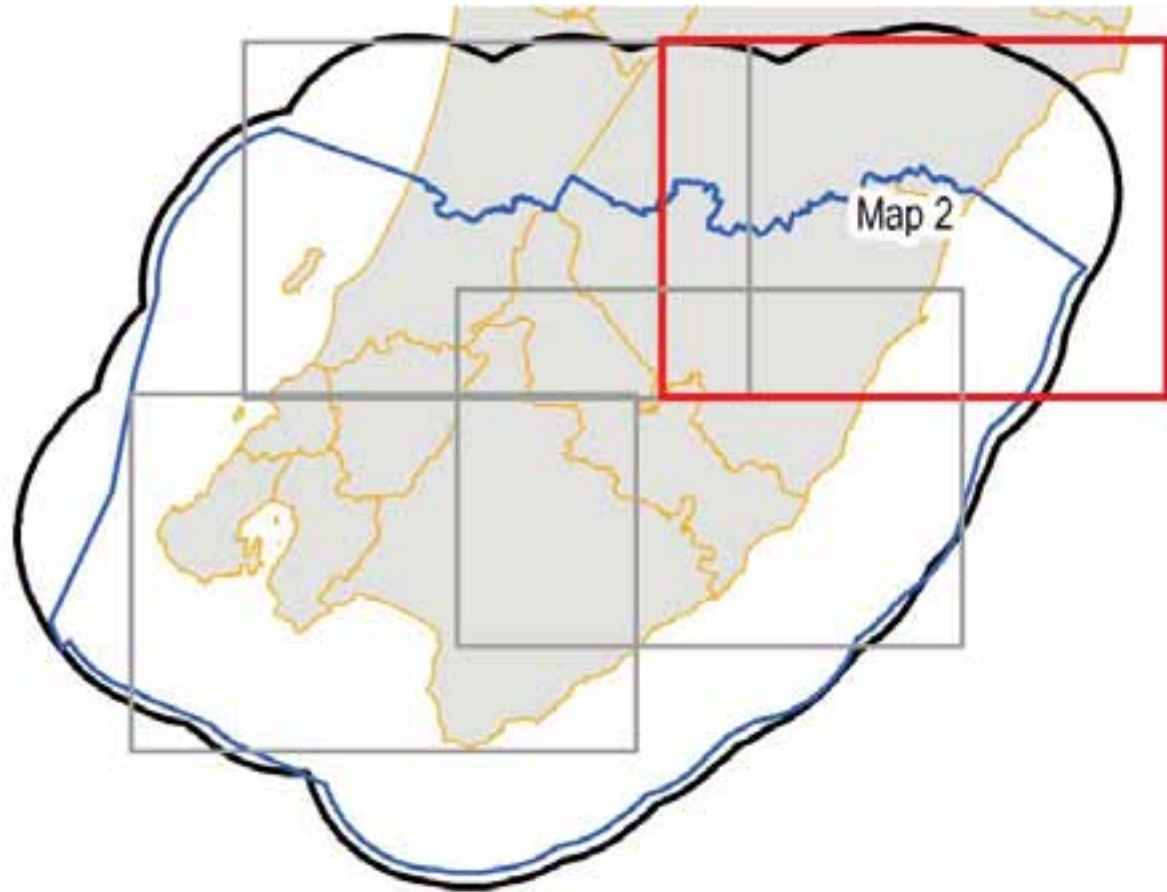
Land Use Capability

- i
- ii
- iii
- iv
- v
- vi
- vii
- viii
- l- Lake
- r- River
- t- Town

Notes

There are eight Land Use Capability classes indicating the broad degree of limitation to use for permanent sustained production. In general terms, land classes I to IV are suitable for pastoral, arable, and forestry use while Classes V to VII land is suitable for pastoral or forestry use. Class VIII land is suitable for protection purposes only. Each land class can be defined further according to limitations to use and suitable management techniques. NZLRI data is from Landcare Research.





LEGEND

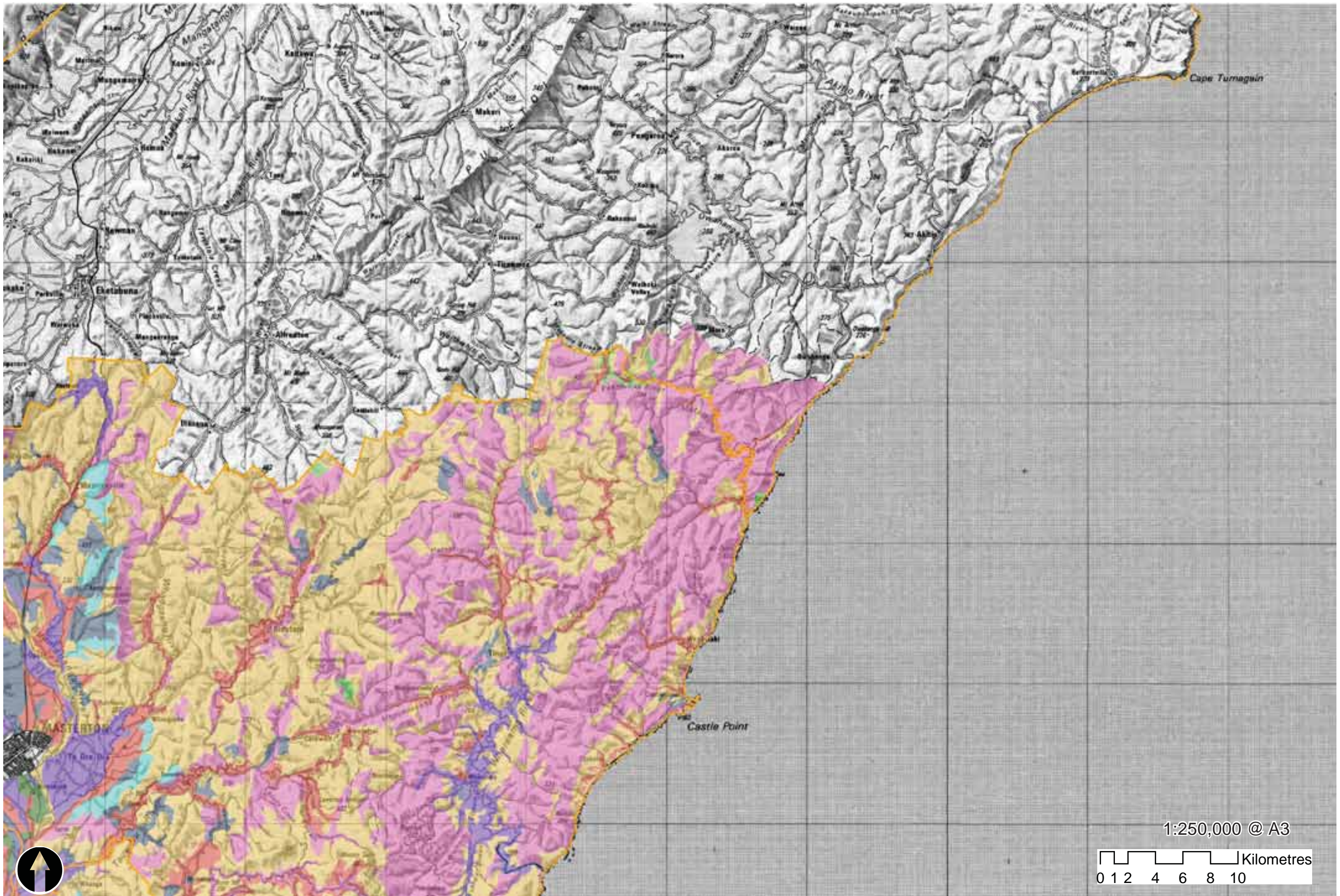
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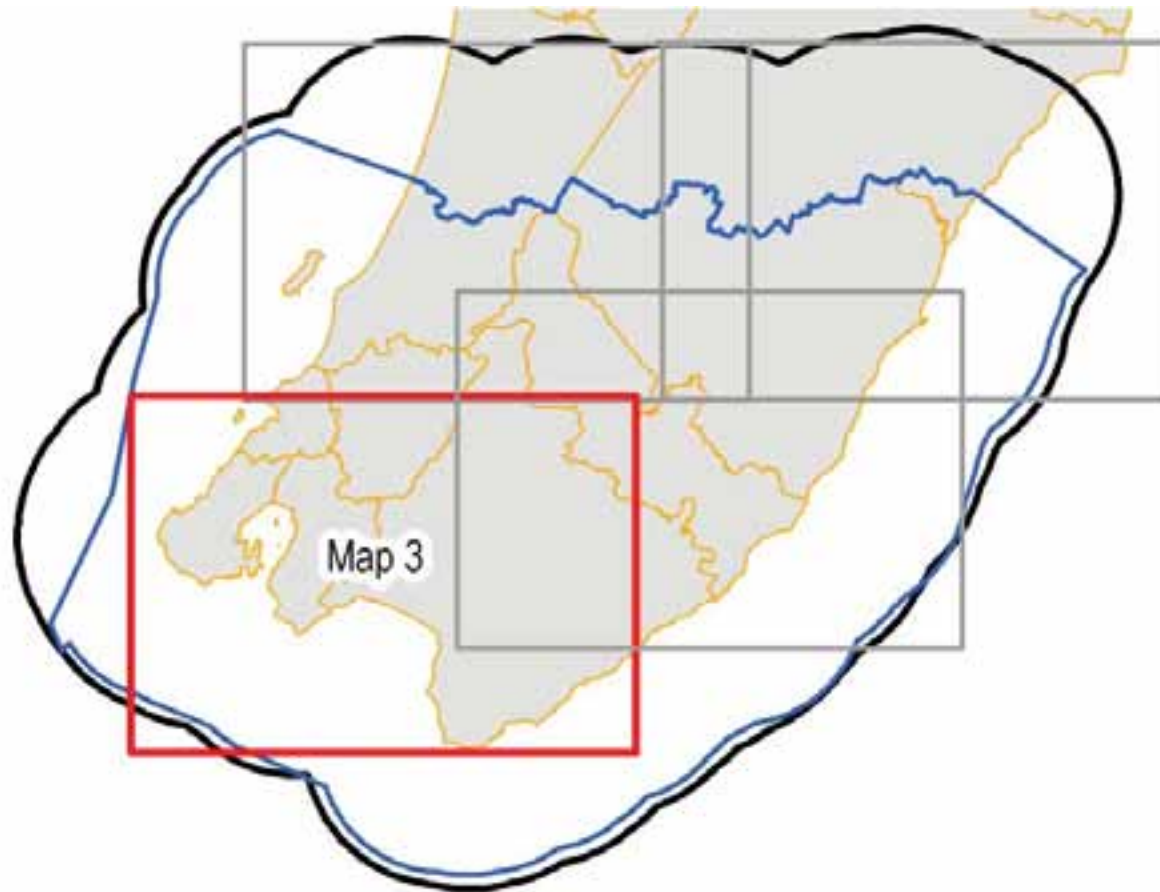
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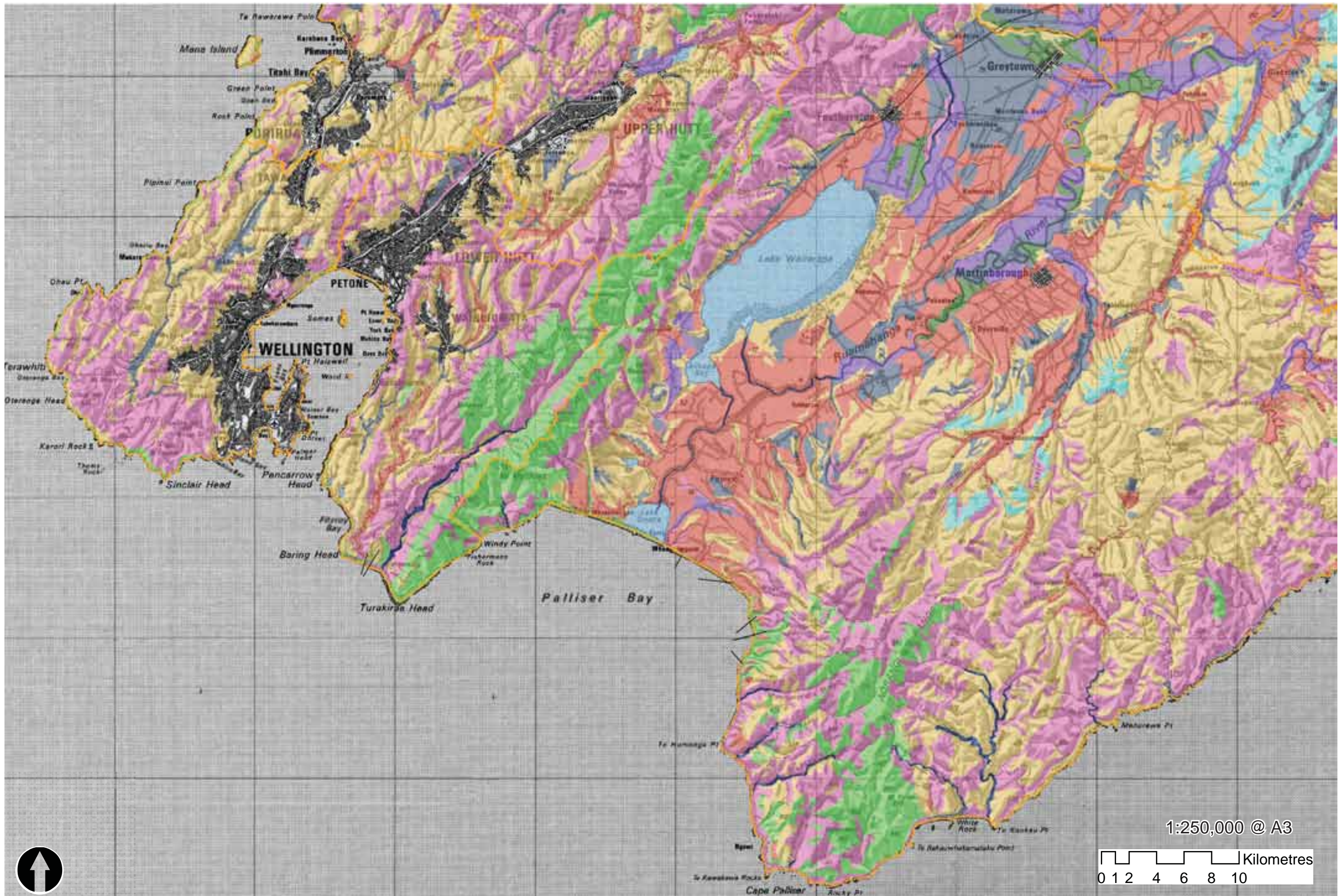
Territorial Authority

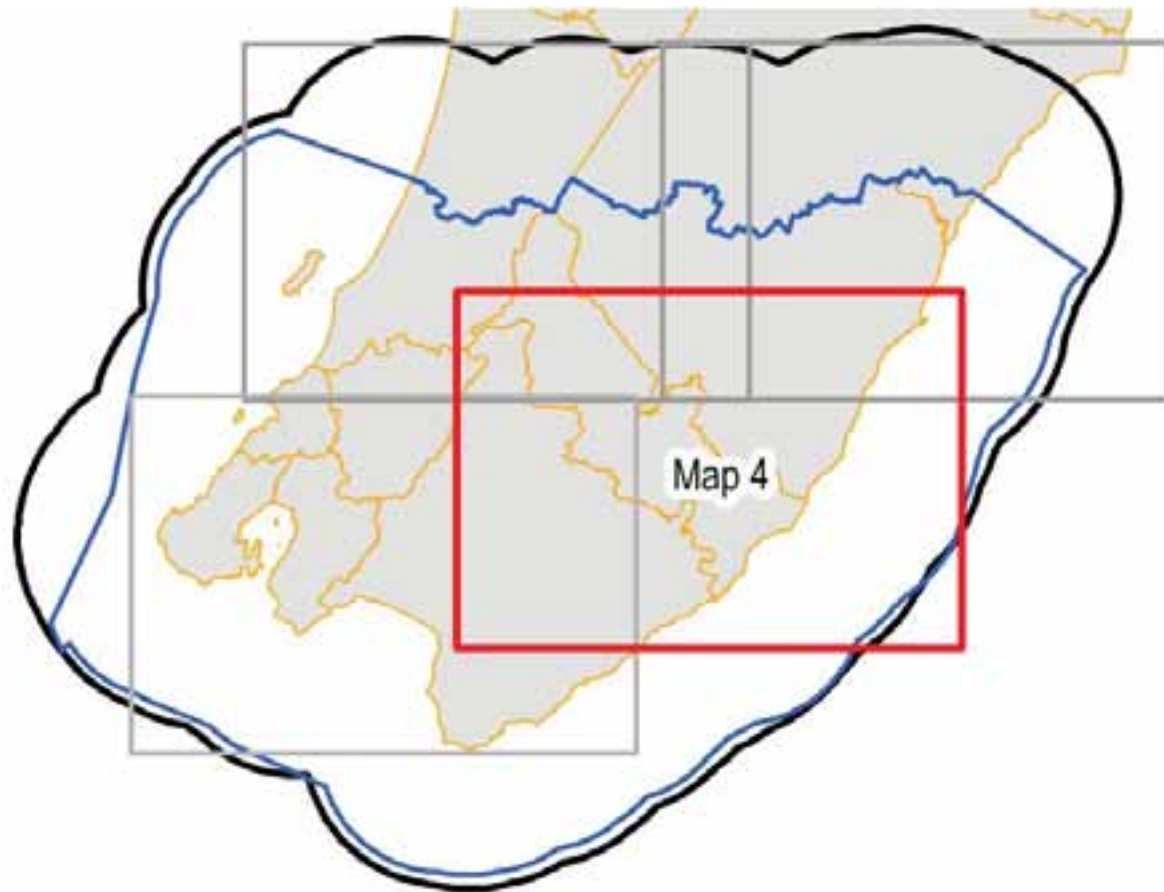
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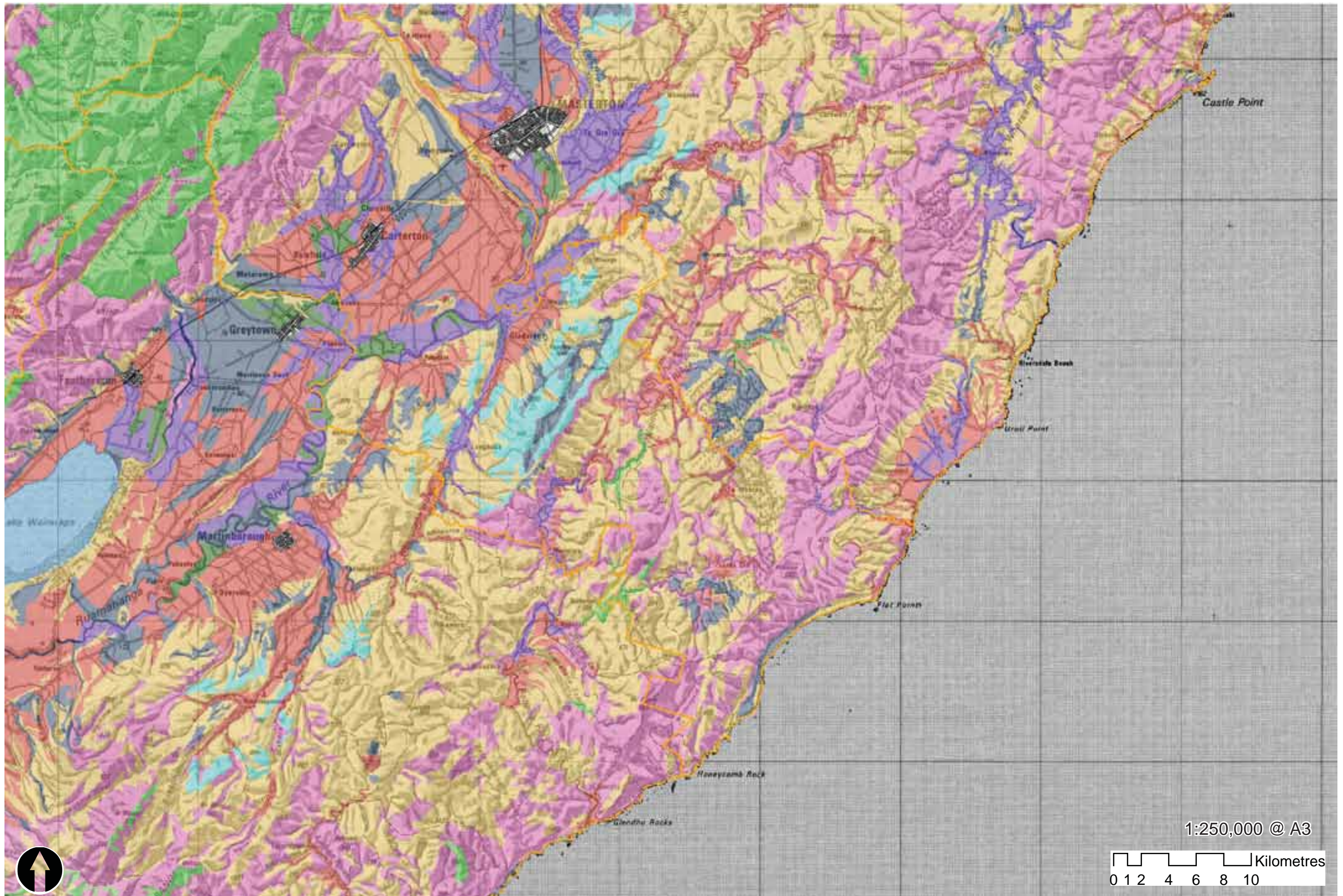
 Territorial Authority

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LEGEND

-  Study Area
 Greater Wellington Regional Council

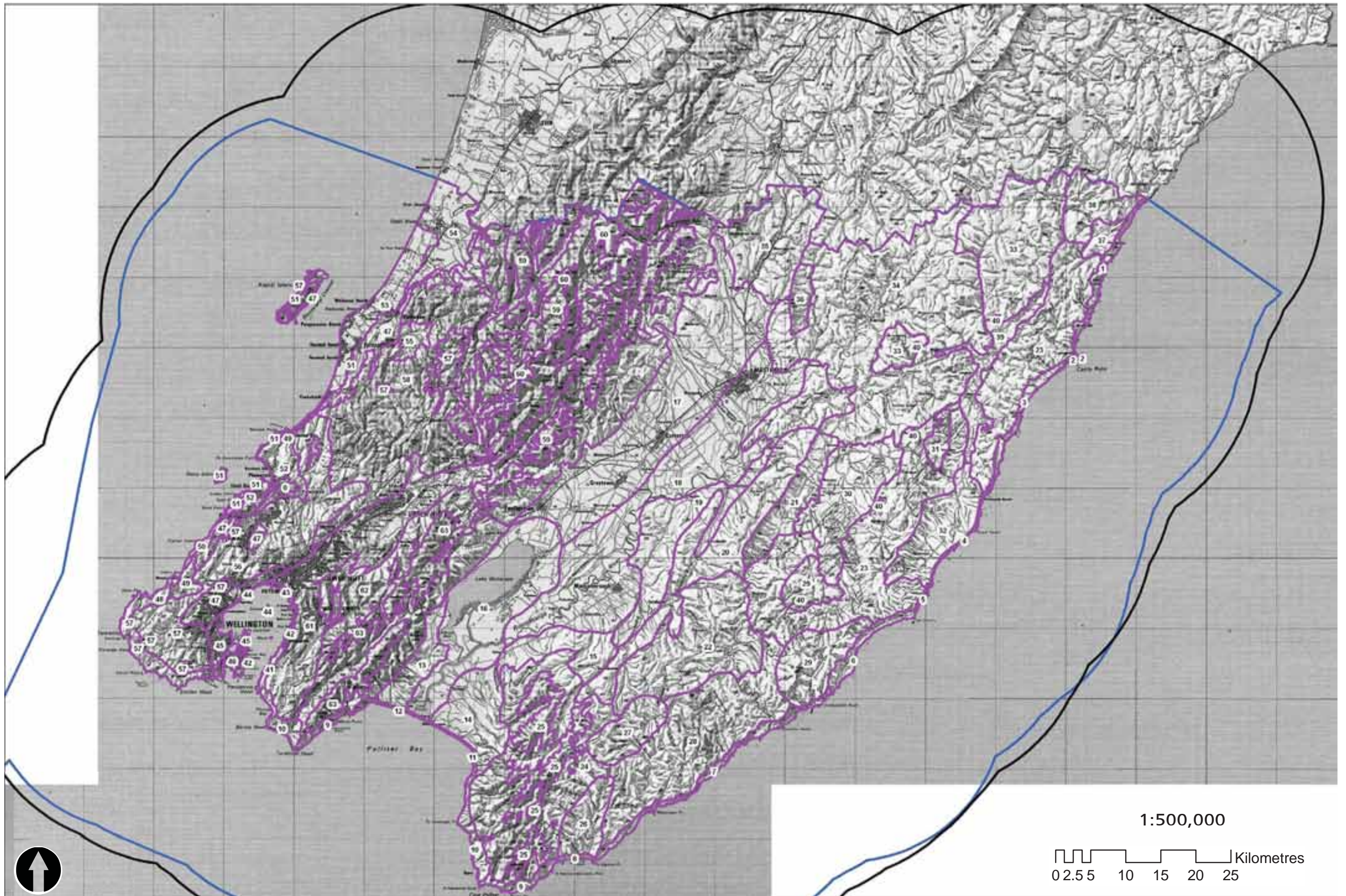
Ecodomains- GWRC






- | | |
|--------------------------------------|------------------------------------|
| 1 Castlepoint - Mataikona Rivermouth | 31 Rewa Hill Country |
| 2 Castlepoint Headland | 32 Homewood |
| 3 Riversdale - Castlepoint | 33 Mt Misery - Maungapakeha |
| 4 Karaka Bay - Riversdale | 34 Northern Wairarapa Hill Country |
| 5 Karaka Bay | 35 Mauriceville Hill Country |
| 6 Glenburn - Flat Point | 36 Rangitumau Escarpment |
| 7 White Rock - Honeycomb Rock | 37 Lower Mataikona |
| 8 White Rock | 38 Upper Mataikona |
| 9 Cape Palliser/Turakirae Head - | 39 Whareama River |
| 10 Ngawi - Te Humenga/Turakirae - | 40 Taipos |
| 11 Lake Ferry - Whatarangi | 41 Pencarrow Head - Eastbourne |
| 12 Ocean Beach - Lake Onoke Bar | 42 Eastbourne - Point Howard/Seat |
| 13 Pounui | 43 Seaview - Petone |
| 14 Whangaimoana - Pirinoa | 44 Petone - Kaiwharawhara |
| 15 Dry River | 45 Wellington City |
| 16 Lake Ferry - Lake Wairarapa | 46 Miramar Flats |
| 17 Western Wairarapa Plains | 47 Western Temperate Foothills |
| 18 Eastern Wairarapa Plains | 48 Point Dorset - Makara |
| 19 Eastern Wairarapa Foothills | 49 Makara/Pukerua Bay |
| 20 Kourarau - Popoiti - Ruakokopa | 50 Pipinui Point |
| 21 Pariwhariki Escarpment | 51 Wairaka with Green Point |
| 22 Hinakura - Hikawera Hill Count | 52 Porirua |
| 23 Eastern Wairarapa Hill Country | 53 Kapiti Coast |
| 24 Aorangi (<500 metres) | 54 Te Horo - Otaki Alluvial Plain |
| 25 Aorangi (500 metres - Treeline) | 55 Reikorangi |
| 26 Opouawe River | 56 Western Hills |
| 27 Tururumuri Hill Country | 57 Western Hills Cloud Zone (>400 |
| 28 Oterei River Hill Country | 58 Tararua (<550 metres) |
| 29 Mt Adams Hill Country | 59 Tararua (550 metres - Treeline) |
| 30 Ngaumu | 60 Tararua (> Treeline) |
| | 61 Wainuiomata - Hutt - Kaitoke |
| | 62 Rimutaka (<550 metres) |
| | 63 Rimutaka (>550 metres) |

Notes




Mapping generated as part of Greater Wellington Regional Council Report 'Ecodomains for the Wellington Region' - processes and patterns for defining diversity and distinctiveness, February 2003.



LEGEND

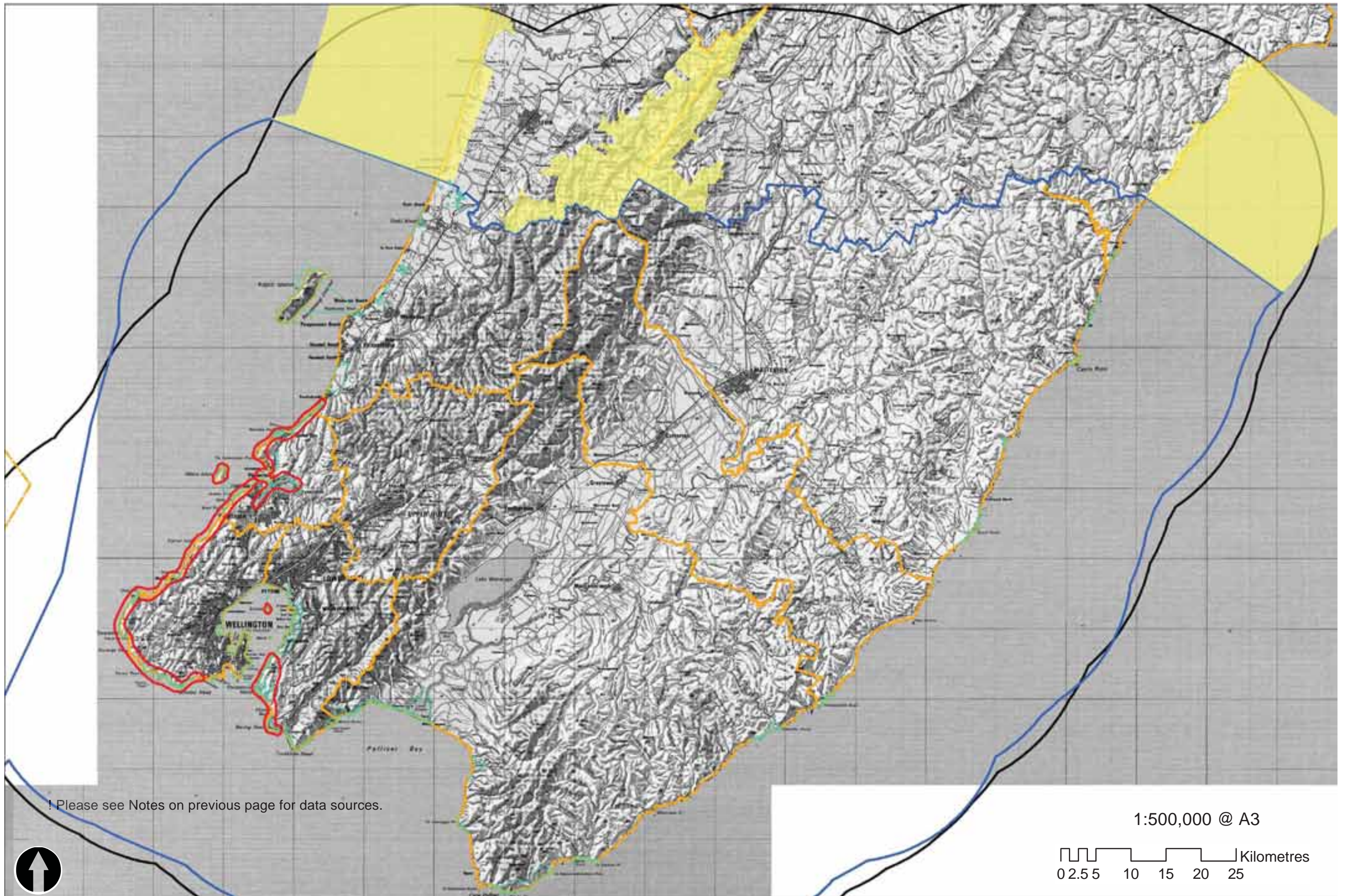
-  Study Area
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-  Territorial Authority

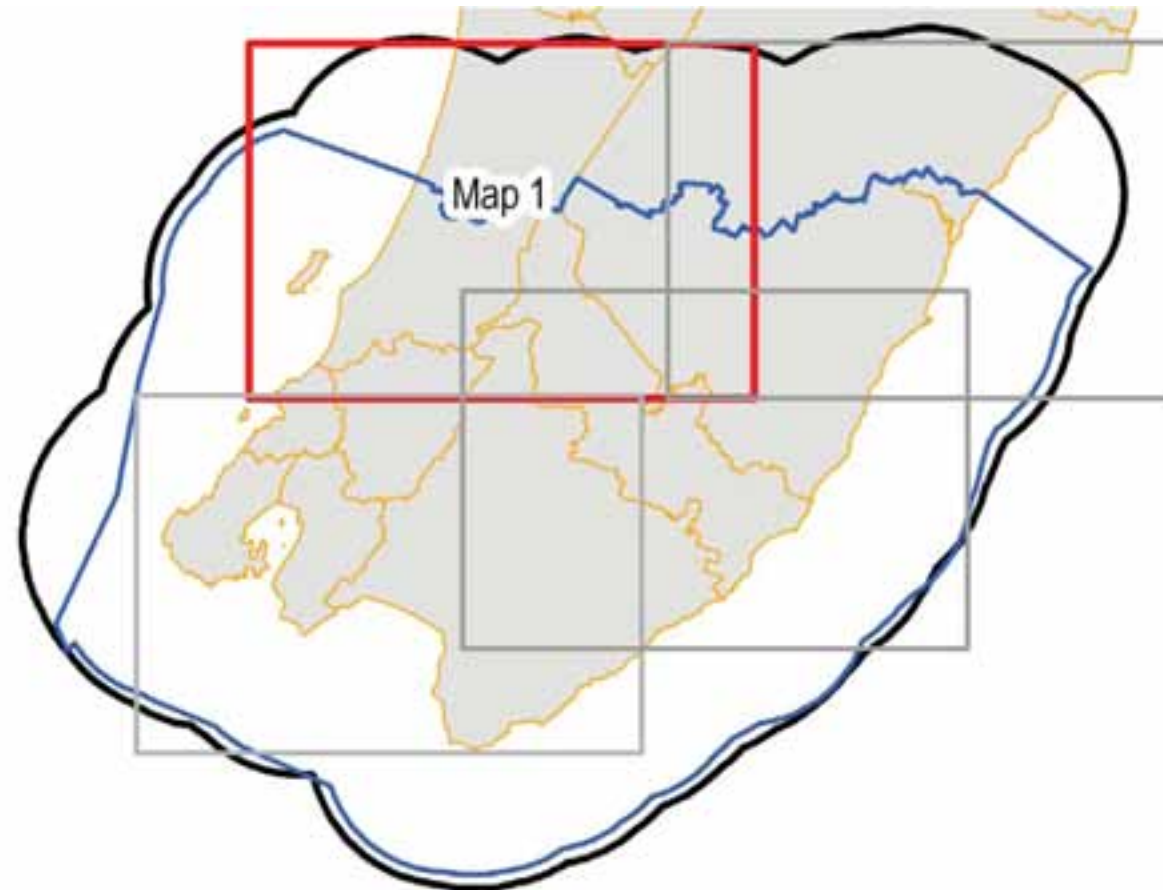
Significant Landscapes

-  Outstanding Natural Landscapes (Horizons Regional Council)
-  Coastal Sites of Regional Significance (GWRC)
-  Coastal Landscape and Seascapes of Significance (DOC)

Notes

- Horizons Regional Council Outstanding Natural Landscapes -reference Schedule F Proposed One Plan,
- GWRC Coastal Sites of Regional Significance-reference Appendix 1 draft Regional Policy Statement (! Note Appendix 1 is not included in the proposed RPS [March, 2008]. Therefore, this dataset has no status under the RMA. It is provided here for reference only.)
- DOC Coastal Landscape and Seascapes of Significance-reference Coastal Resources Inventory (1990), copyright Department of Conservation.





LEGEND

 Territorial Authority

Significant Landscapes (local)

Kapiti Coast District

 Outstanding Natural Landscape

Carterton District

 Outstanding Natural Landscape


Masterton District

 Outstanding Natural Landscape

South Wairarapa District

 Outstanding Natural Landscape

Upper Hutt City

 Ridgelines

Hutt City

 Landscape Protection Areas (Residential Activity Area)

Wellington City

 Ridges and Hilltops DP Change 33

Porirua City

 Landscape Protection Areas

Horowhenua District

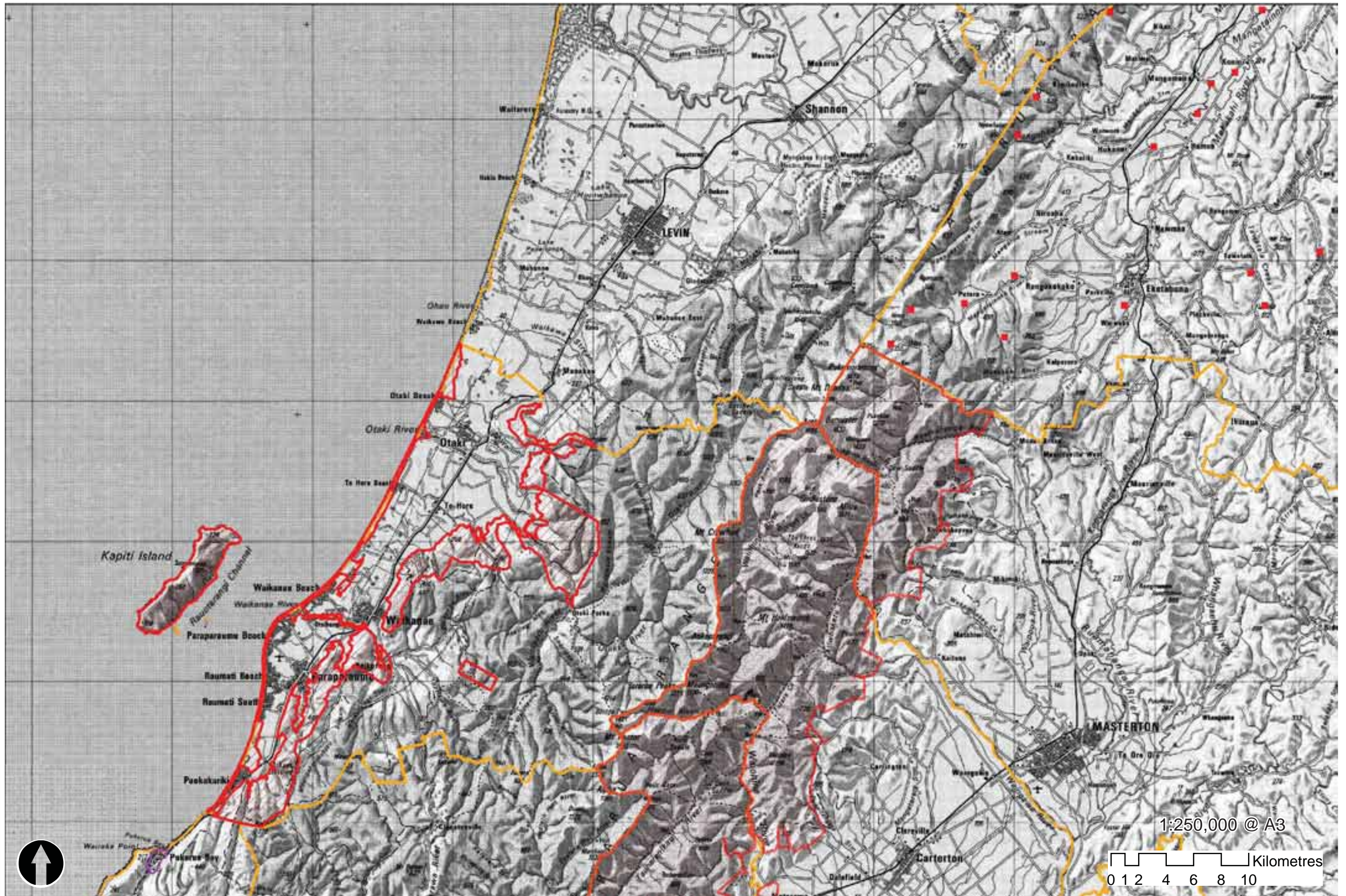
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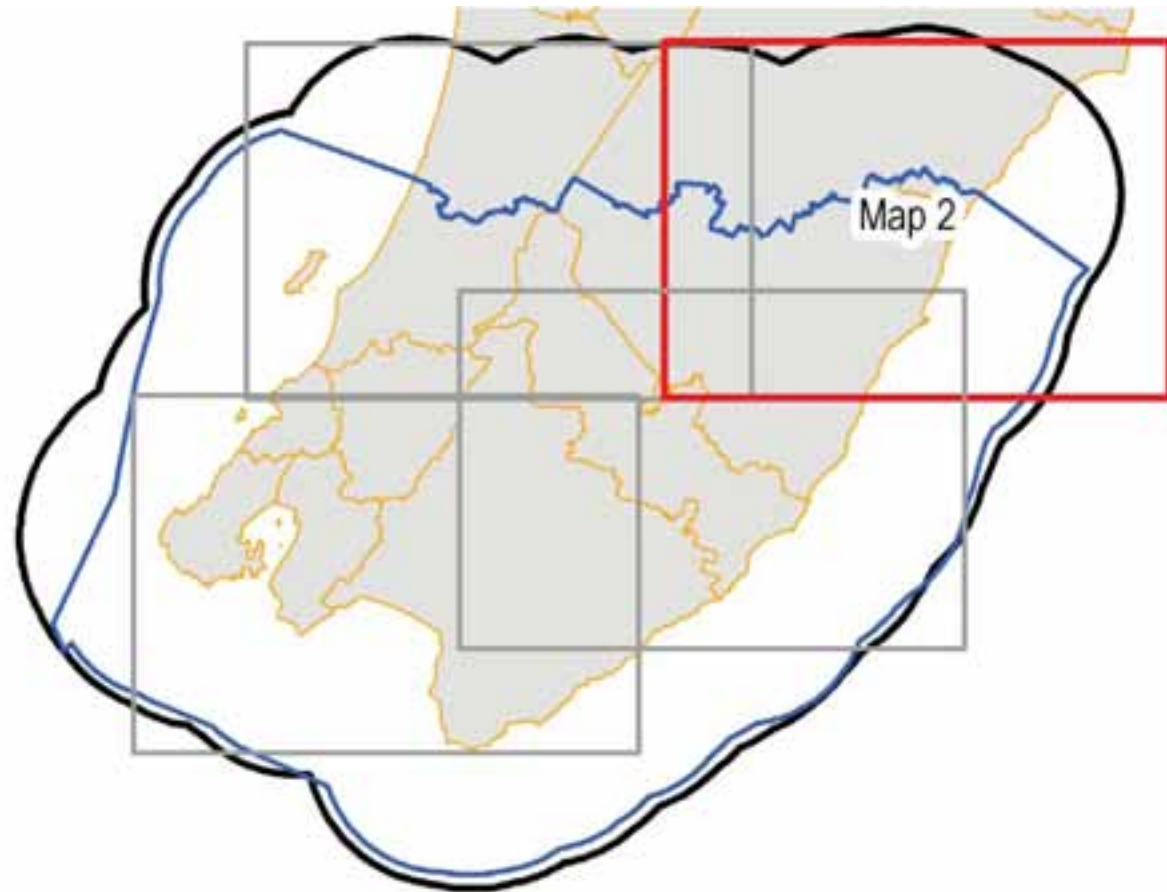
Tararua District

 Significant Natural Features and Landscapes

Notes

- Combined Wairarapa District Council Outstanding Natural Landscape-reference Proposed Combined Wairarapa District Plan.
- Upper Hutt City Council Ridgelines-reference Operative District Plan maps.
- Hutt City Landscape Protection Areas-reference Operative District Plan maps (Residential Activity Area).
- Wellington City Council Ridgelines and Hilltops-reference Proposed District Plan Change 33.
- Porirua City Council Landscape Protection Areas-reference Operative District Plan.





LEGEND

 Territorial Authority

Significant Landscapes (local)

Kapiti Coast District

 Outstanding Natural Landscape

Carterton District

 Outstanding Natural Landscape


Masterton District

 Outstanding Natural Landscape

South Wairarapa District

 Outstanding Natural Landscape


Upper Hutt City

 Ridgelines

Hutt City

 Landscape Protection Areas (Residential Activity Area)

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Porirua City

 Landscape Protection Areas

Horowhenua District

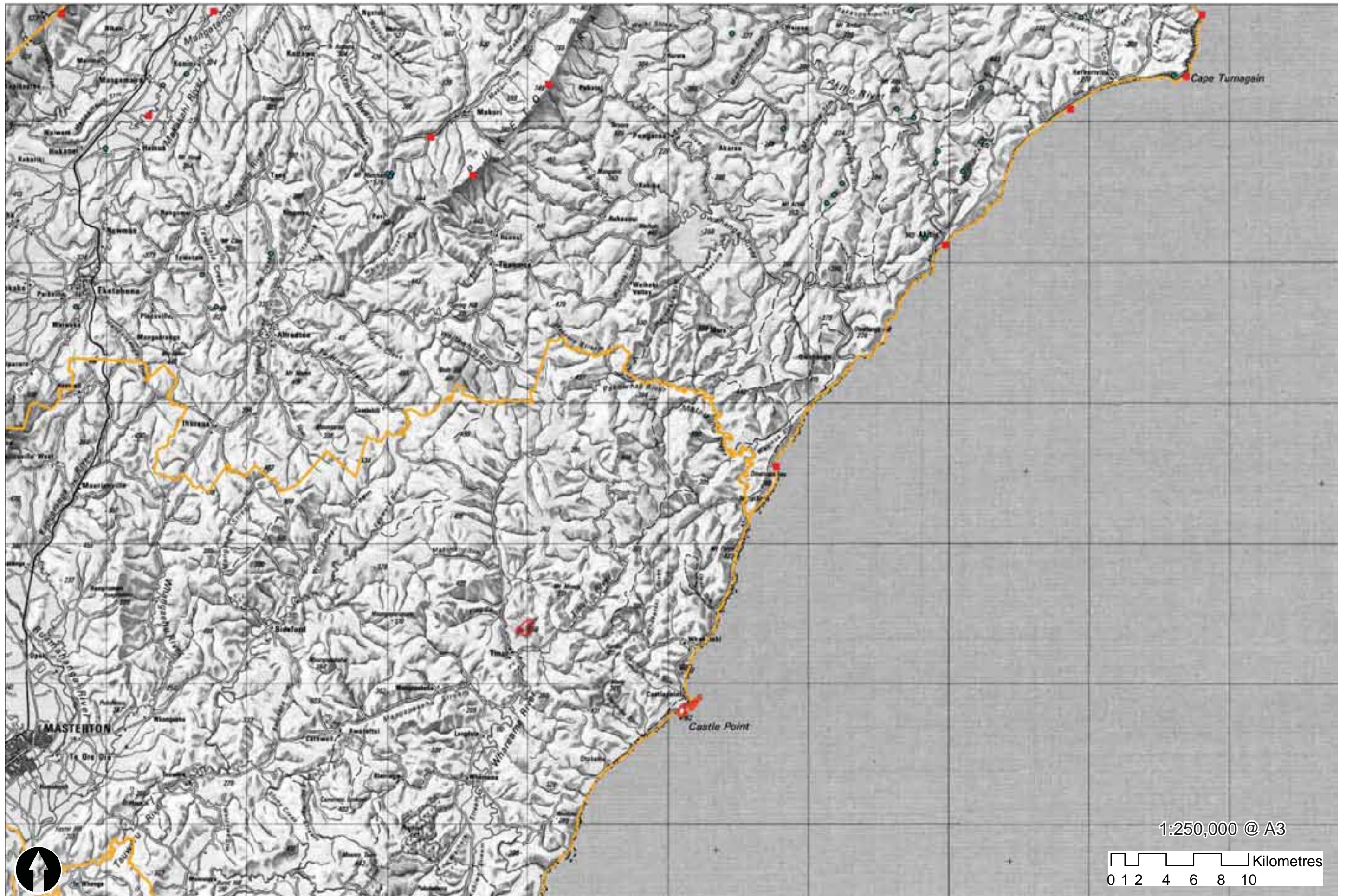
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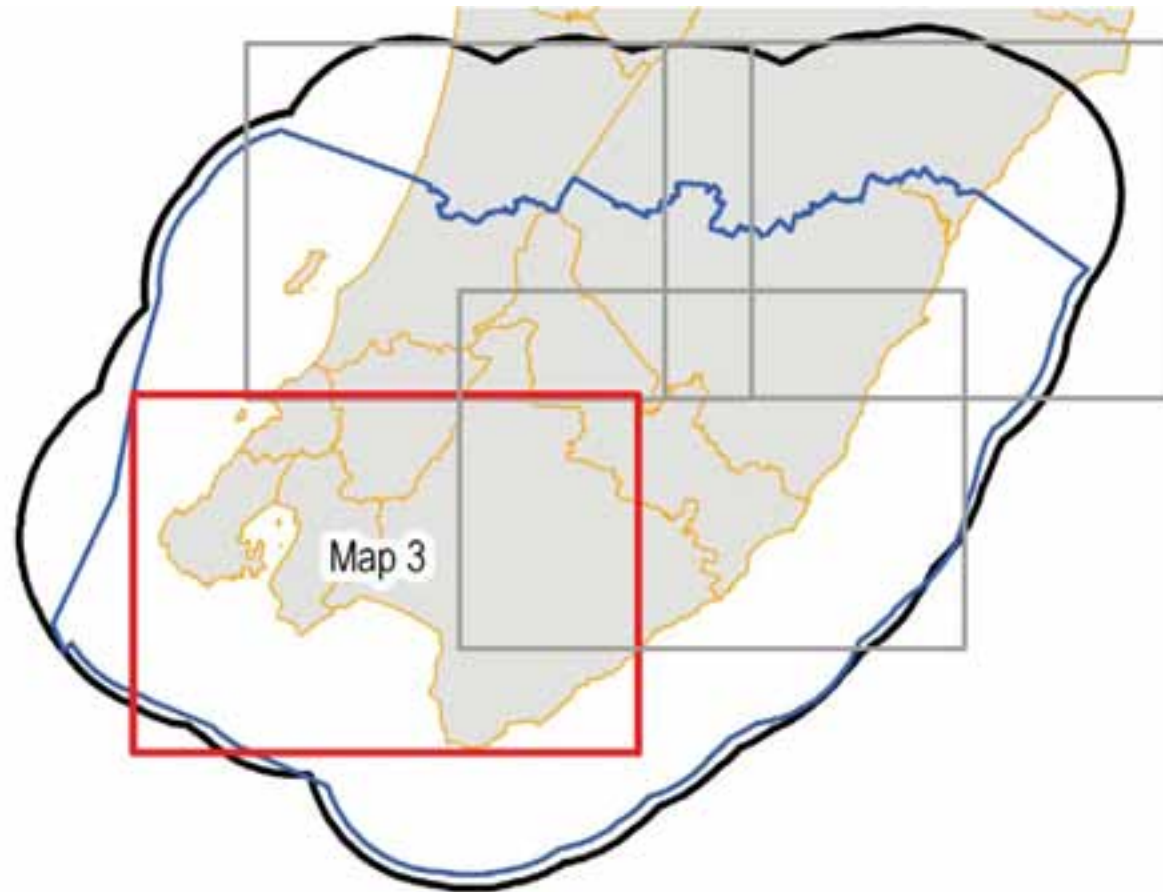
Tararua District

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LEGEND

 Territorial Authority

Significant Landscapes (local)

Kapiti Coast District

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Carterton District

 Outstanding Natural Landscape


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South Wairarapa District

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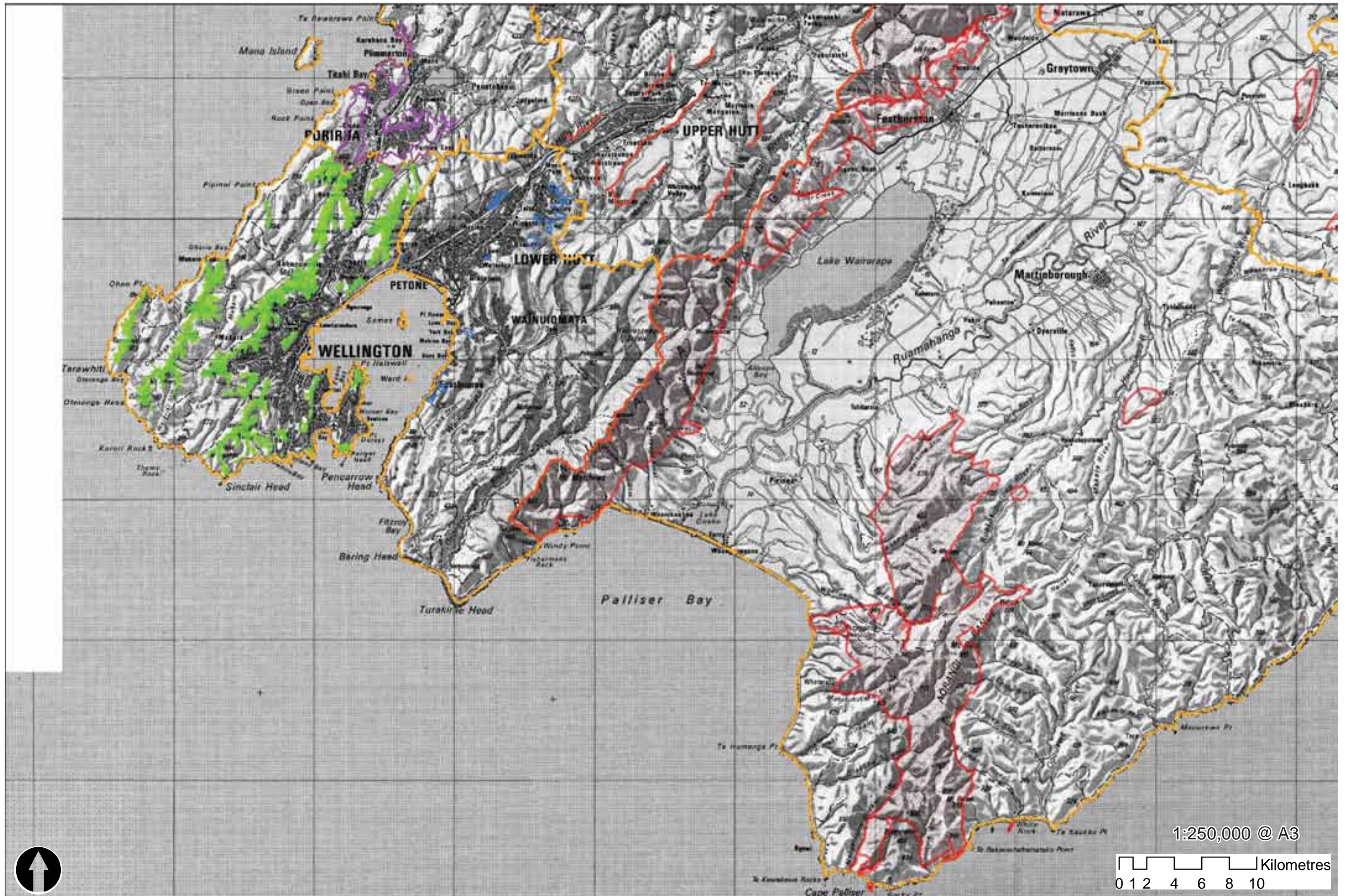
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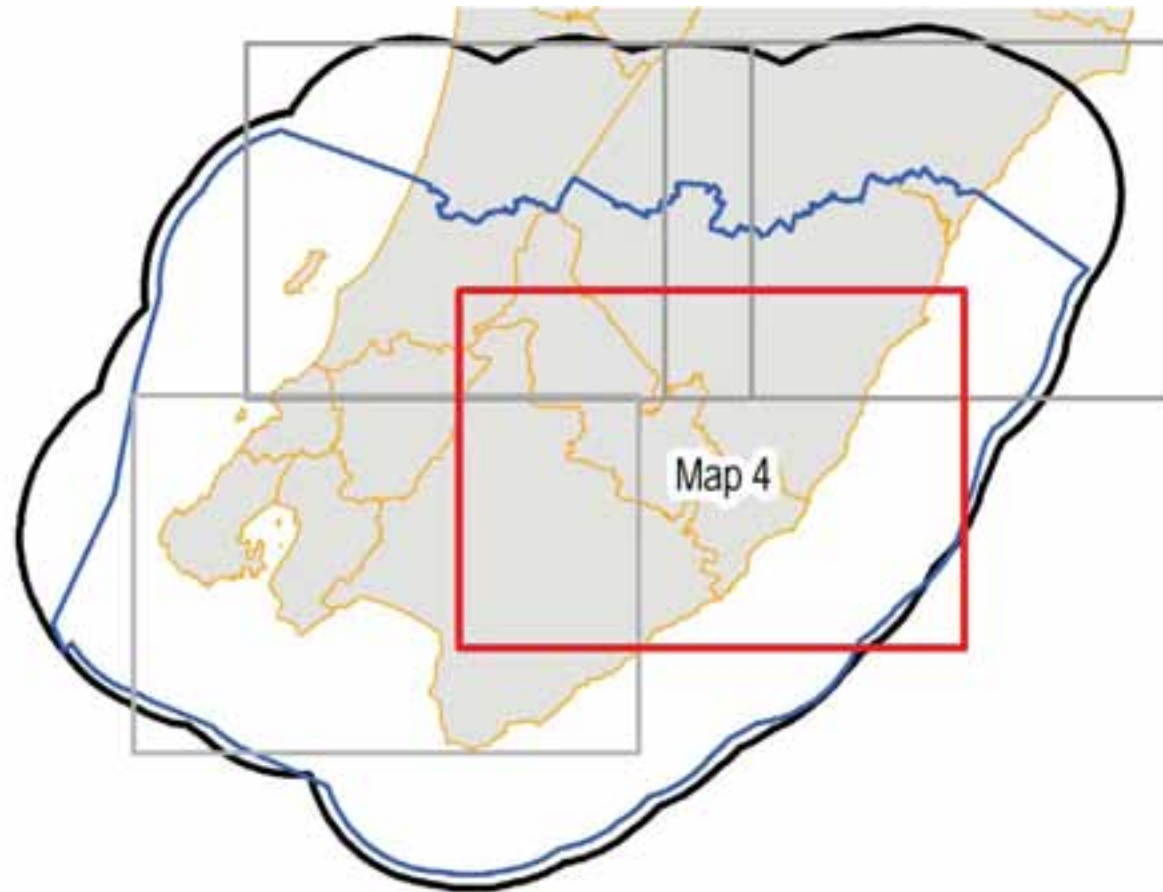
Tararua District

 Significant Natural Features and Landscapes

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LEGEND

 Territorial Authority

Significant Landscapes (local)

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Porirua City

 Landscape Protection Areas

Horowhenua District

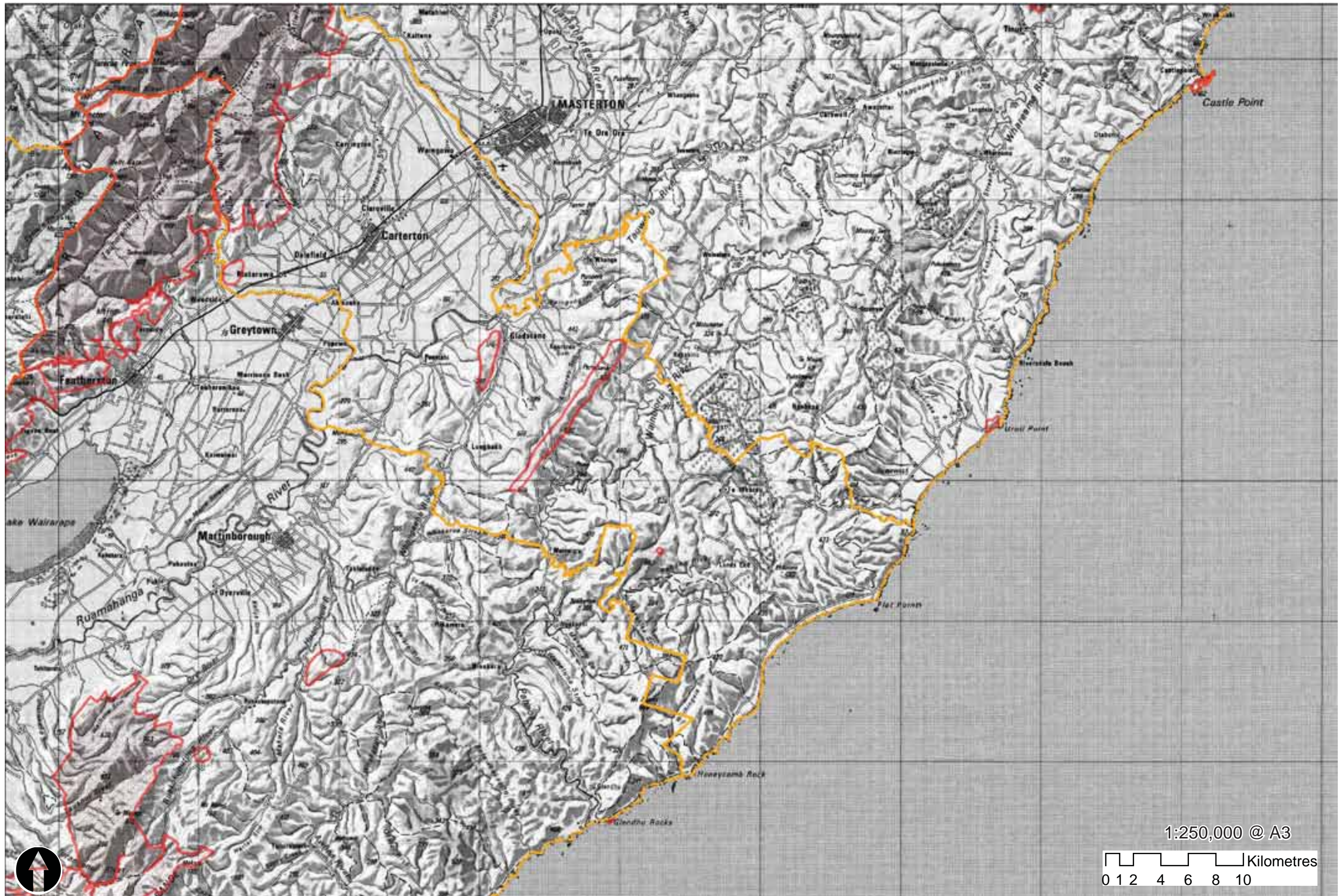
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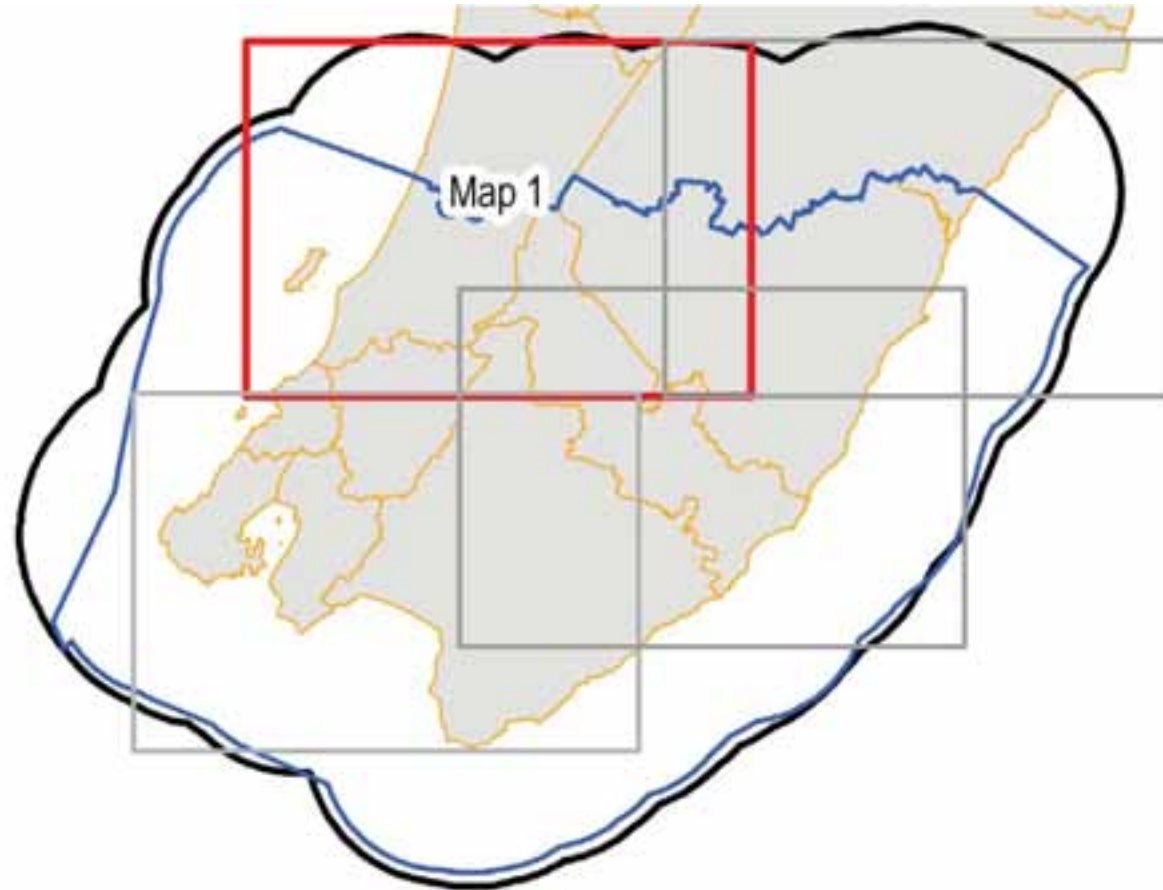
Tararua District

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LEGEND

Territorial Authority

Landscape Character

Kapiti Coast District
 Coastal Region

Combined Wairarapa District Councils
Carterton District
 Coastal Landscape Character Areas
 Coastal Landscape Units

Masterton District
 Coastal Landscape Character Areas
 Coastal Landscape Units

South Wairarapa District
 Coastal Landscape Character Areas
 Coastal Landscape Units

Upper Hutt City
 None

Hutt City
 None

Wellington City
 Urban Character Area

Porirua City
 None

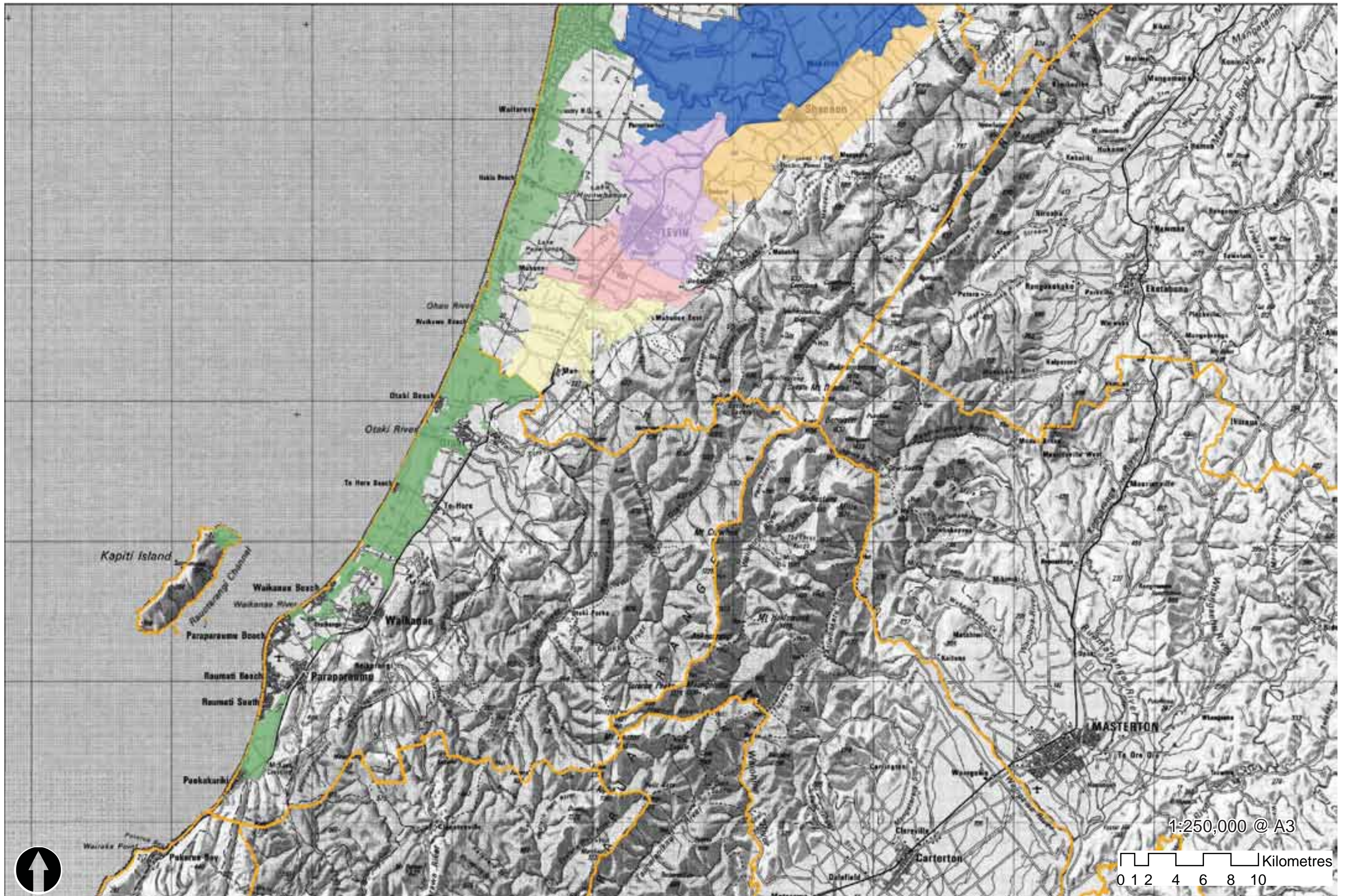
Horowhenua District
 LANDSCAPE DOMAINS

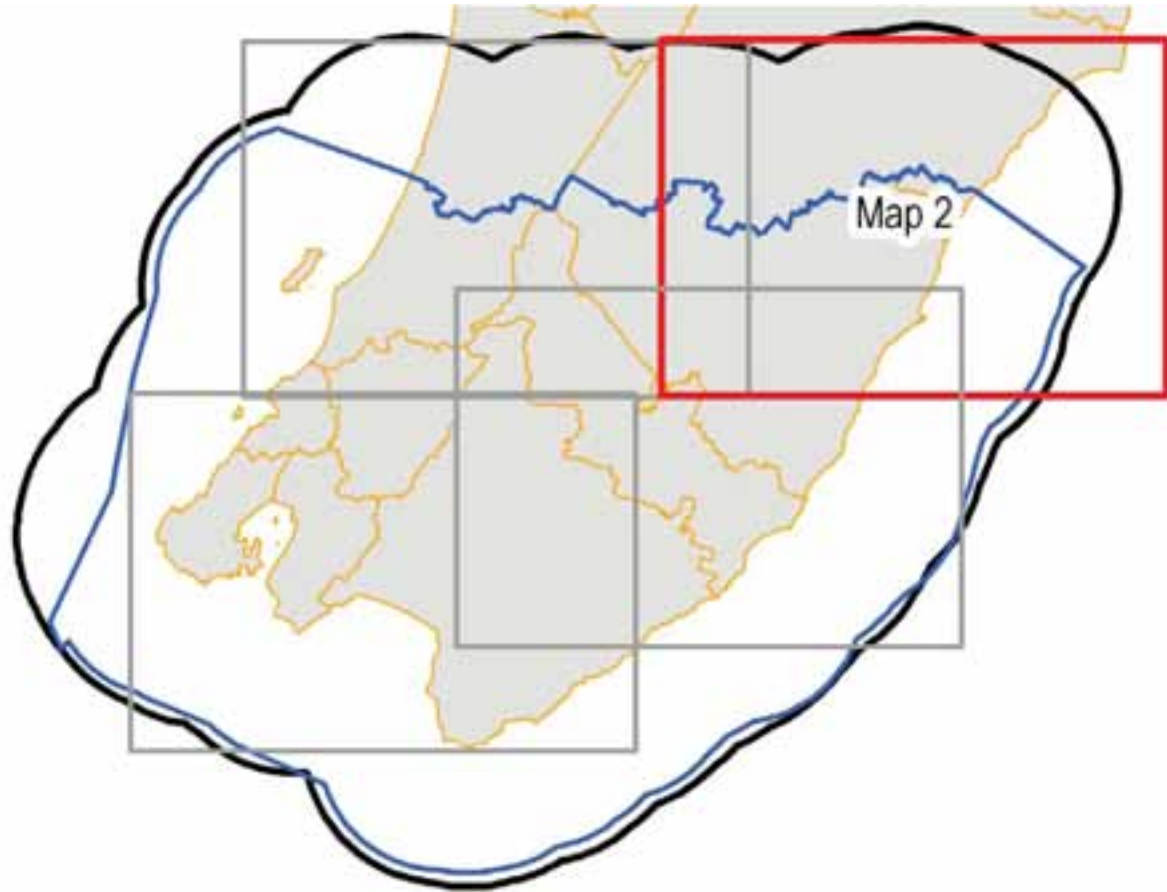
- Coastal Area
- Moutoua-Opiki Plains
- Kuku
- Levin-Koputaroa
- Levin-Ohau
- Tararua Terraces

Tararua District
 None

Notes

- Kapiti Coast District Council Coastal Region reference Chapter C.9, Kapiti Coast District Council District Plan Volume I
- Combined Wairarapa District Council Coastal Landscape Character Areas and Coastal Landscape Units reference Wairarapa Coastal Strategy (CWDC, 2002)
- Wellington City data from District Plan.
- Horowhenua District Council Landscape Domains reference Landscape Assessment of the Rural Environment (HDC, 2008)






LEGEND

 Territorial Authority


Landscape Character

Kapiti Coast District
 Coastal Region


Combined Wairarapa District Councils

Carterton District
 Coastal Landscape Character Areas

 Coastal Landscape Units

Masterton District
 Coastal Landscape Character Areas


 Coastal Landscape Units

South Wairarapa District
 Coastal Landscape Character Areas

 Coastal Landscape Units

Upper Hutt City
 None


Hutt City
 None

Wellington City
 Urban Character Area

Porirua City
 None

Horowhenua District
 LANDSCAPE DOMAINS

 Coastal Area

 Moutoua-Opiki Plains

 Kuku

 Levin-Koputaroa

 Levin-Ohau

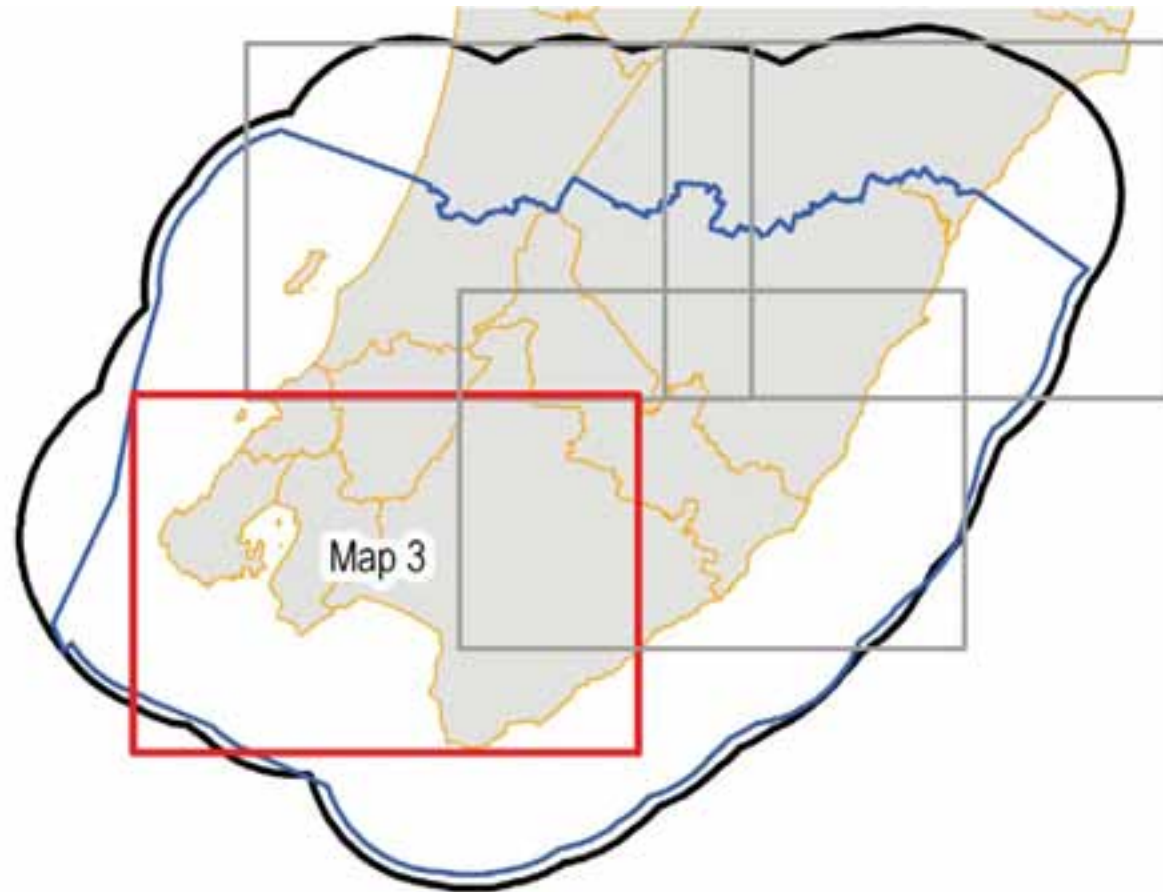
 Tararua Terraces

Tararua District
 None

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LEGEND

Territorial Authority

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 Coastal Region

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Coastal Landscape Units

Masterton District
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Coastal Landscape Units

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 Coastal Landscape Character Areas

Coastal Landscape Units

Upper Hutt City
 None

Hutt City
 None

Wellington City
 Urban Character Area

Porirua City
 None

Horowhenua District
 LANDSCAPE DOMAINS

Coastal Area

Moutoua-Opiki Plains

Kuku

Levin-Koputaroa

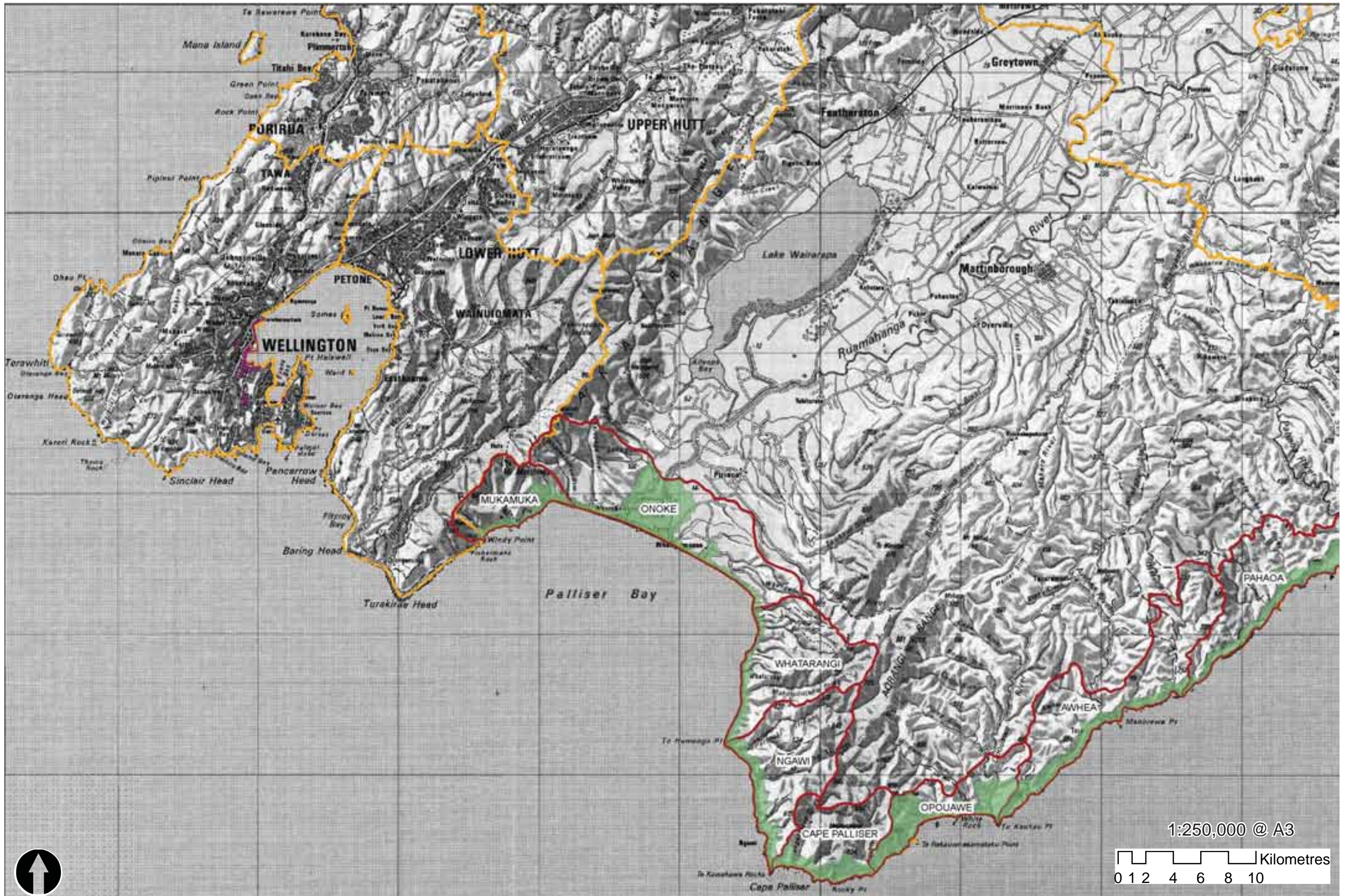
Levin-Ohau

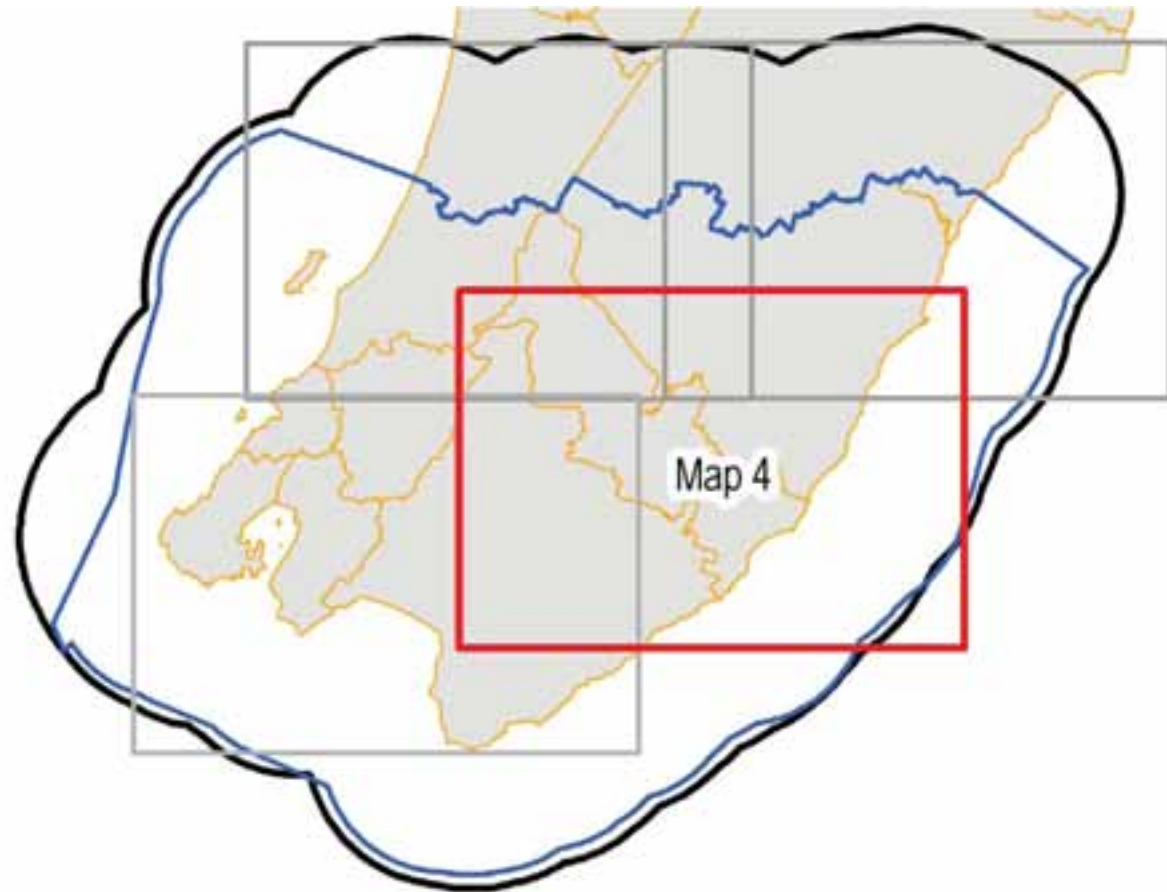
Tararua Terraces

Tararua District
 None

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Territorial Authority

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 None

Hutt City
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Wellington City
 Urban Character Area

Porirua City
 None

Horowhenua District
 LANDSCAPE DOMAINS

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