

Te Kāuru Upper Ruamāhanga

A floodplain management plan for the Upper Wairarapa Valley

Phase 1 Summary – Volume 2 – Maps



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July 2014

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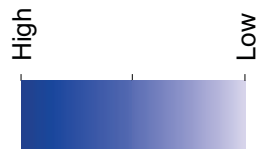
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TE KAURU
UPPER RUAMAHANGA
FMP MAPPING

FLOOD HAZARD

MAP 1
FLOOD HAZARD

Source :
GWRC (2014)

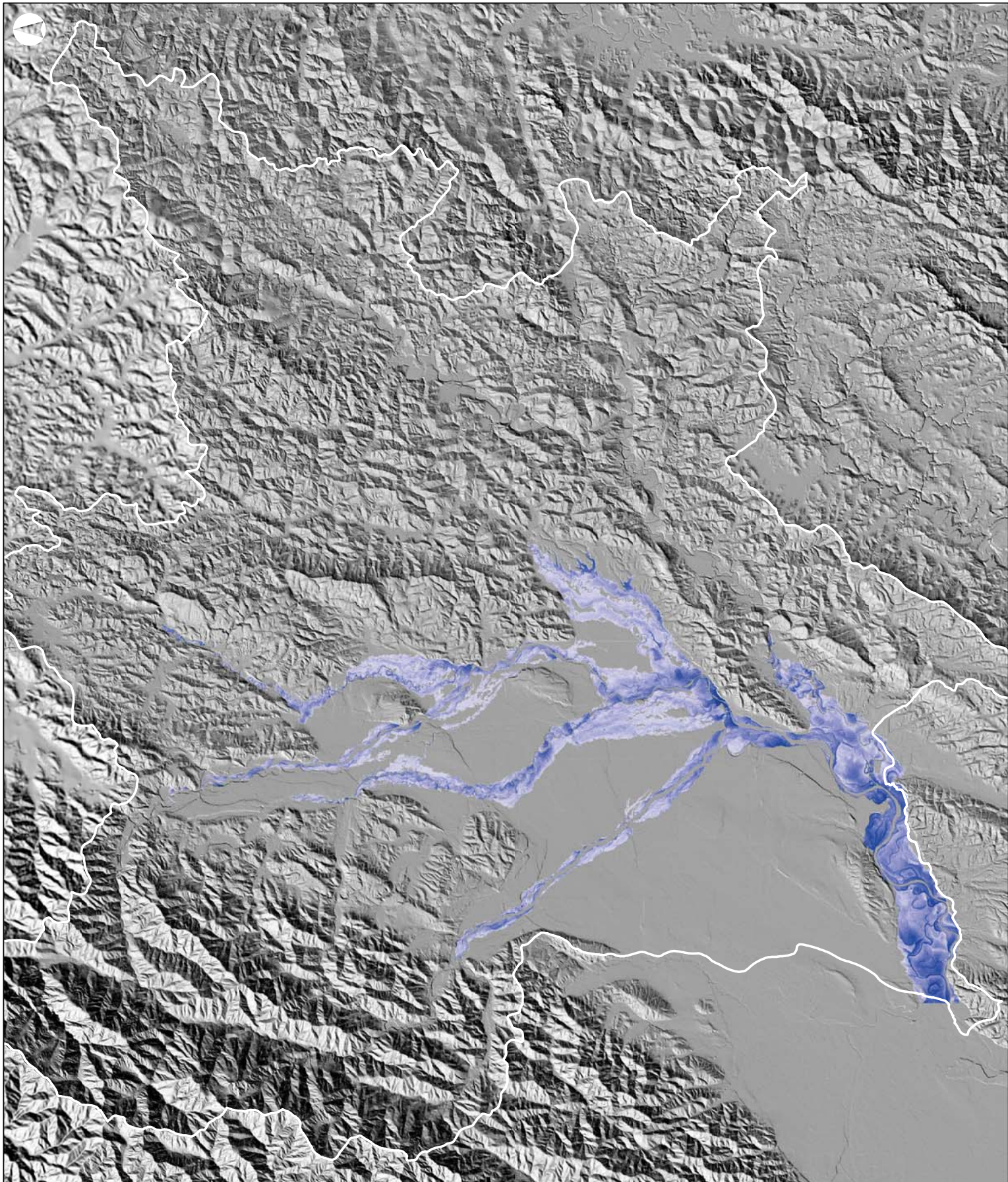
Date: July 2014

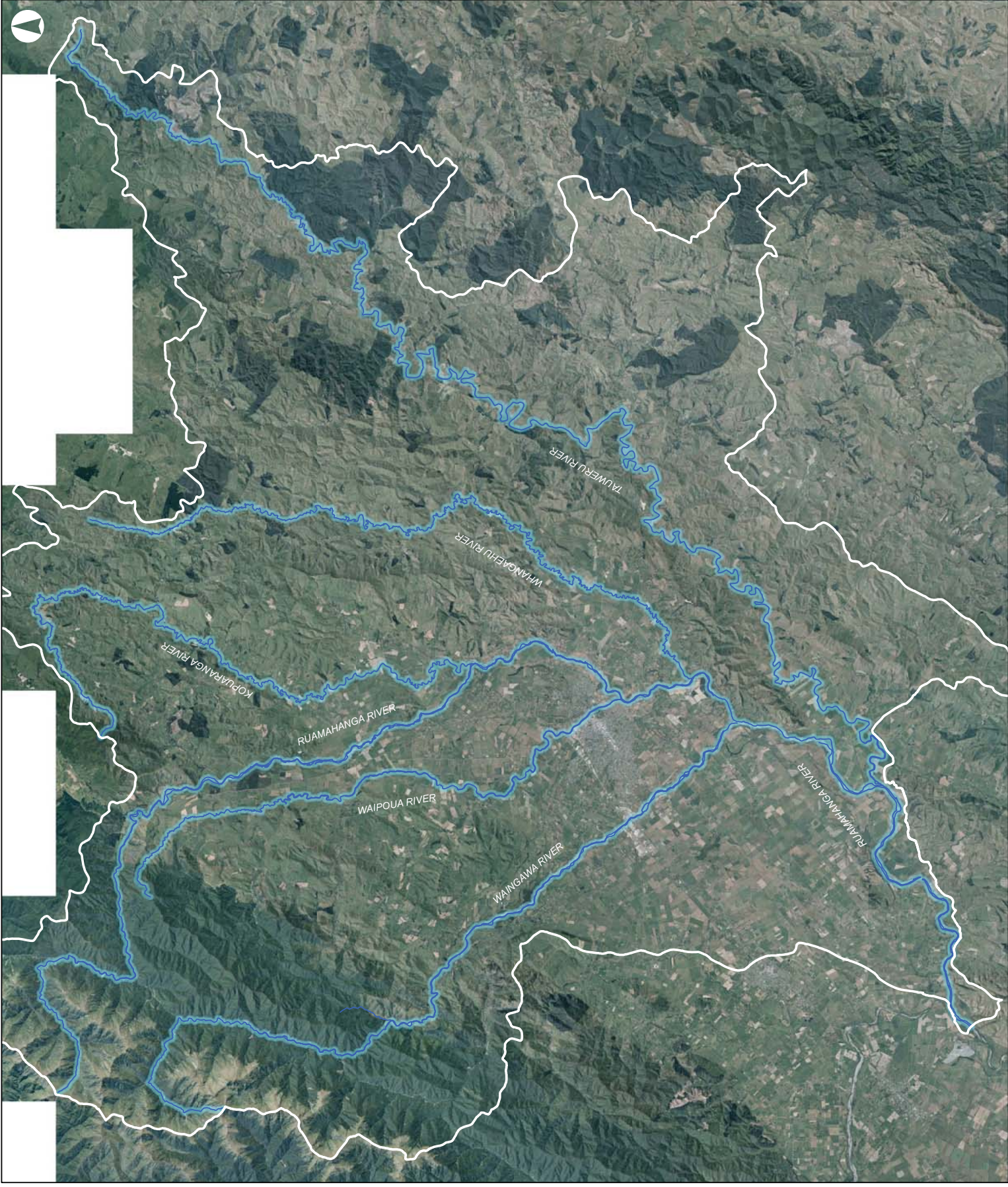
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STUDY AREA

MAP 2
CATCHMENT AREA

Source :
GWRC (2014)

Date: July 2014

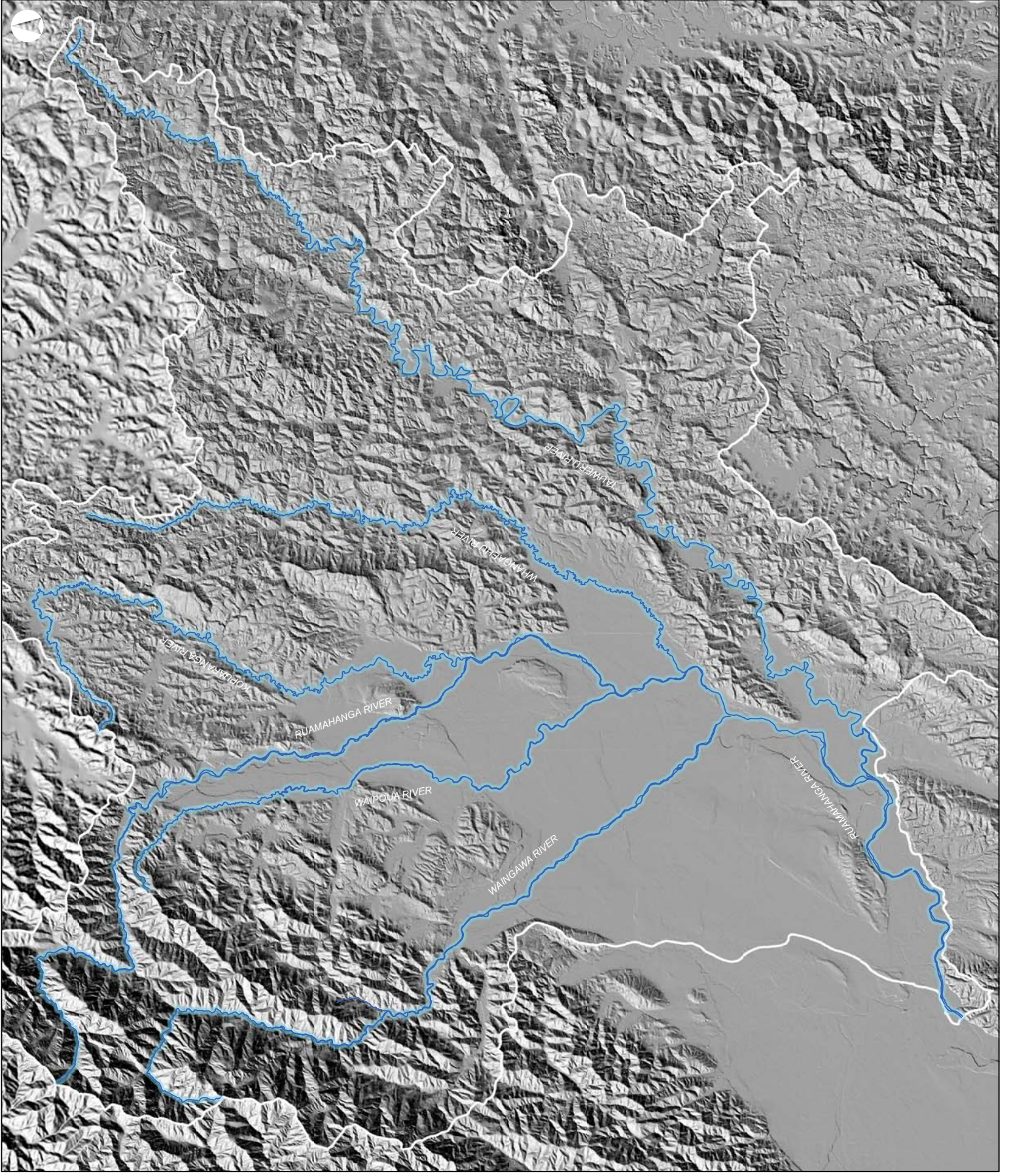
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STUDY AREA

MAP 3
HILLSHADE

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- Peat
- Loess & Windblown Sands
- Gravels
- Alluvium
- Mudstone
- Sandstone
- Conglomerate & Breccia
- Argillite
- Greywacke
- Limestone
- Open Water
- Urban Area



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GEOLOGY

MAP 4
GEOLOGY
(BASE ROCK)

Source : NZLRI

Date: July 2014

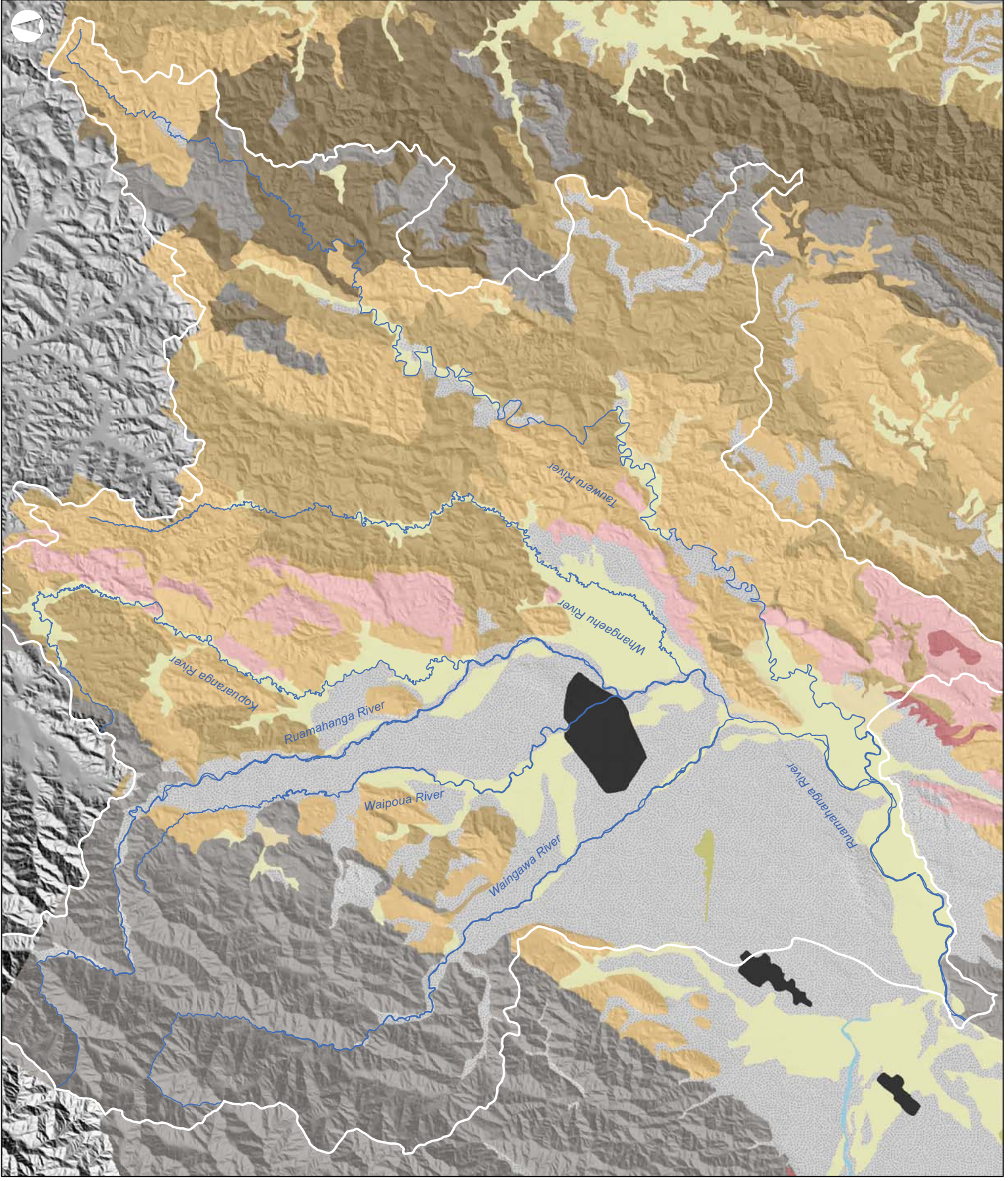
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Erosion Hazard Study Area



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EROSION

MAP 5
EROSION HAZARD
STUDY AREA

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GWRC (2013)

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— RAINFALL (Normal)



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RAINFALL

MAP 6
RAINFALL
(NORMAL)

Source :

Date: July 2014

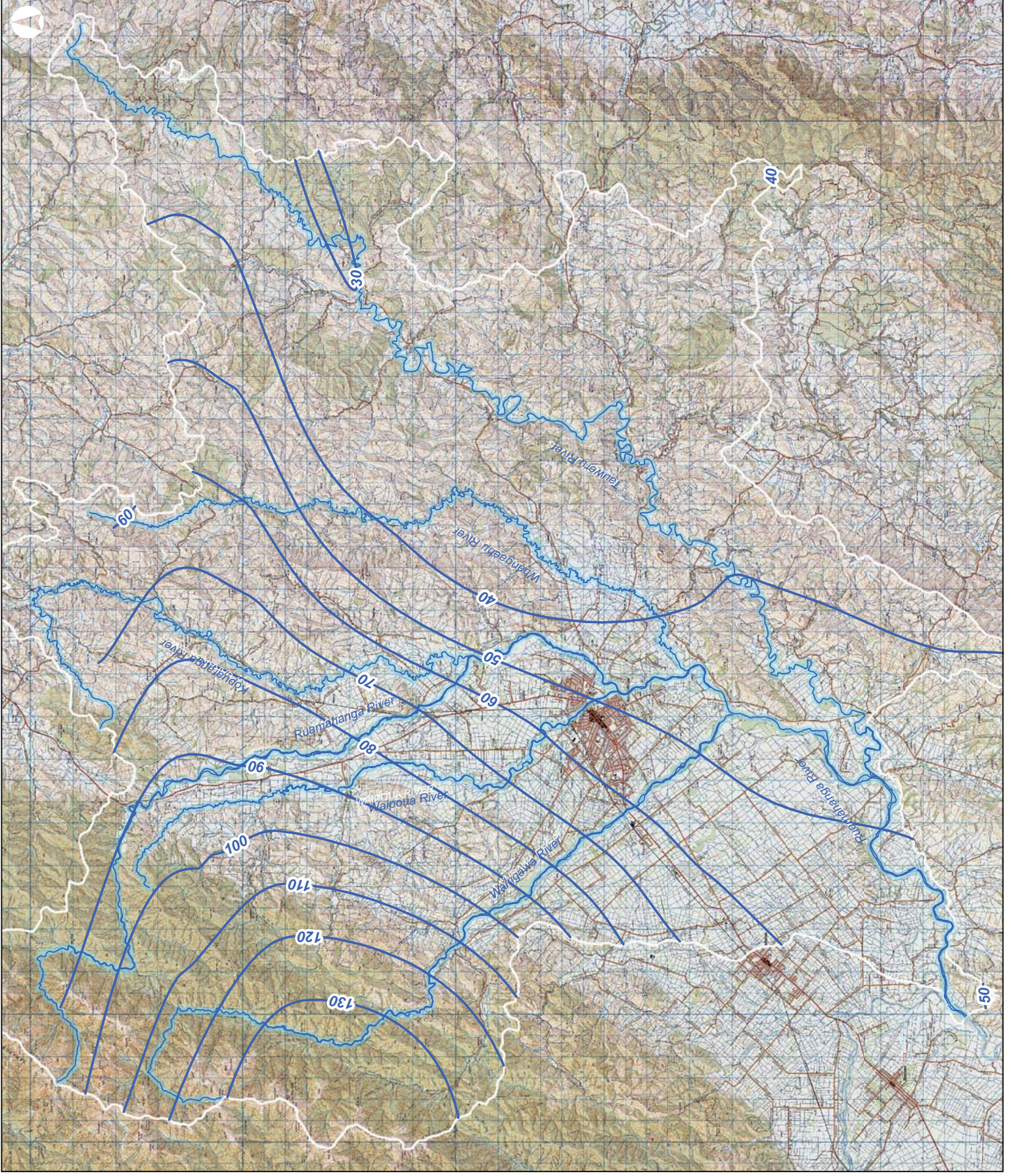
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- Central Plains
- Coastal Hill Country
- Gladstone
- Masterton
- Maungaraki
- Mauriceville
- Northern Plains
- Tararua/Rimutaka Ranges
- Tinui-Whareama
- Wainuioru
- Western Plains
- Whangapehu-Tauweira



TE KAURU
UPPER RUAMAHANGA
FMP MAPPING

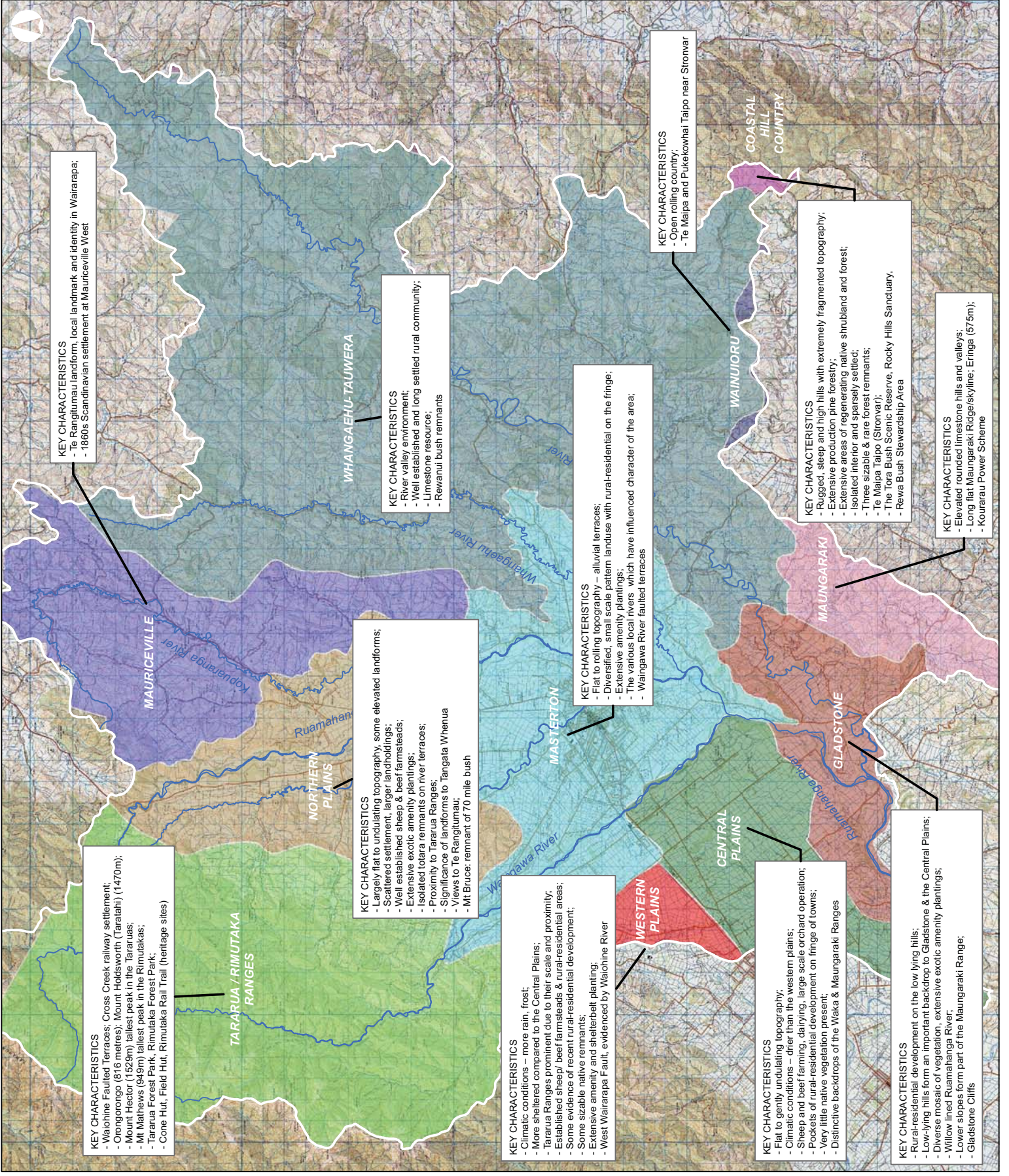
LANDSCAPE

MAP 8
LANDSCAPE
CHARACTER AREAS

Source :
Wairarapa Landscape Study (2010)

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KEY CHARACTERISTICS
- Te Rangitumu landform, local landmark and identity in Wairarapa;
- 1860s Scandinavian settlement at Mauriceville West

KEY CHARACTERISTICS
- River valley environment;
- Well established and long settled rural community;
- Limestone resources;
- Rewanui bush remnants

KEY CHARACTERISTICS
- Open rolling country;
- Te Maipa and Pukekōwhai Taipo near Stronvar

KEY CHARACTERISTICS
- Rugged, steep and high hills with extremely fragmented topography;
- Extensive production pine forestry;
- Extensive areas of regenerating native shrubland and forest;
- Isolated interior and sparsely settled;
- Three sizable & rare forest remnants;
- Te Maipa Taipo (Stronvar);
- The Toru Bush Scenic Reserve, Rocky Hills Sanctuary,
- Rewa Bush Stewardship Area

KEY CHARACTERISTICS
- Elevated rounded limestone hills and valleys;
- Long flat Maungaraki Ridge/skyline; Eringa (575m);
- Kourarau Power Scheme

KEY CHARACTERISTICS
- Flat to rolling topography – alluvial terraces;
- Diversified, small scale pattern landuse with rural-residential on the fringe;
- Extensive amenity plantings;
- The various local rivers, which have influenced character of the area;
- Waingawa River faulted terraces

KEY CHARACTERISTICS
- Largely flat to undulating topography, some elevated landforms;
- Scattered settlement, larger landholdings;
- Well established sheep & beef farmsteads;
- Extensive exotic amenity plantings;
- Isolated tohara remnants on river terraces;
- Proximity to tararua Ranges;
- Significance of landforms to Tangata Whenua
- Views to Te Rangitumuau;
- Mt Bruce; remnant of 70 mile bush

KEY CHARACTERISTICS
- Waiohine Faulted Terraces; Cross Creek railway settlement;
- Oronorongo (816 metres); Mount Holdsworth (Taratahi) (1470m);
- Mount Hector (1529m) tallest peak in the Tararua;
- Mt Mathews (949m) tallest peak in the Rimutaka;
- Tararua Forest Park, Rimutaka Forest Park;
- Cone Hut, Field Hut, Rimutaka Rail Trail (heritage sites)

KEY CHARACTERISTICS
- Climatic conditions – more rain, frost;
- More sheltered compared to the Central Plains;
- Tararua Ranges prominent due to their scale and proximity;
- Established sheep/ beef farmsteads & rural-residential areas;
- Some evidence of recent rural-residential development;
- Some sizable native remnants;
- Extensive amenity and shelterbelt planting;
- West Wairarapa Fault, evidenced by Waiohine River

KEY CHARACTERISTICS
- Flat to gently undulating topography;
- Climatic conditions – drier than the western plains;
- Sheep and beef farming, dairying, large scale orchard operation;
- Pockets of rural-residential development on fringe of towns;
- Very little native vegetation present;
- Distinctive backdrops of the Waka & Maungaraki Ranges

KEY CHARACTERISTICS
- Rural-residential development on the low lying hills;
- Low-lying hills form an important backdrop to Gladstone & the Central Plains;
- Diverse mosaic of vegetation, extensive exotic amenity plantings;
- Willow lined Ruamahanga River;
- Lower slopes form part of the Maungaraki Range;
- Gladstone Cliffs

-  Outstanding Natural Landscape
-  Outstanding Natural Landscape (Proposed)
-  Significant-Amenity Landscape
-  Significant-Amenity Landscape (Proposed)



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TE KAURU
UPPER RUAMAHANGA
FMP MAPPING

LANDSCAPE

**MAP 9
LANDSCAPE
CLASSIFICATION**

Source :
Weirarapa Landscape Study (2013)

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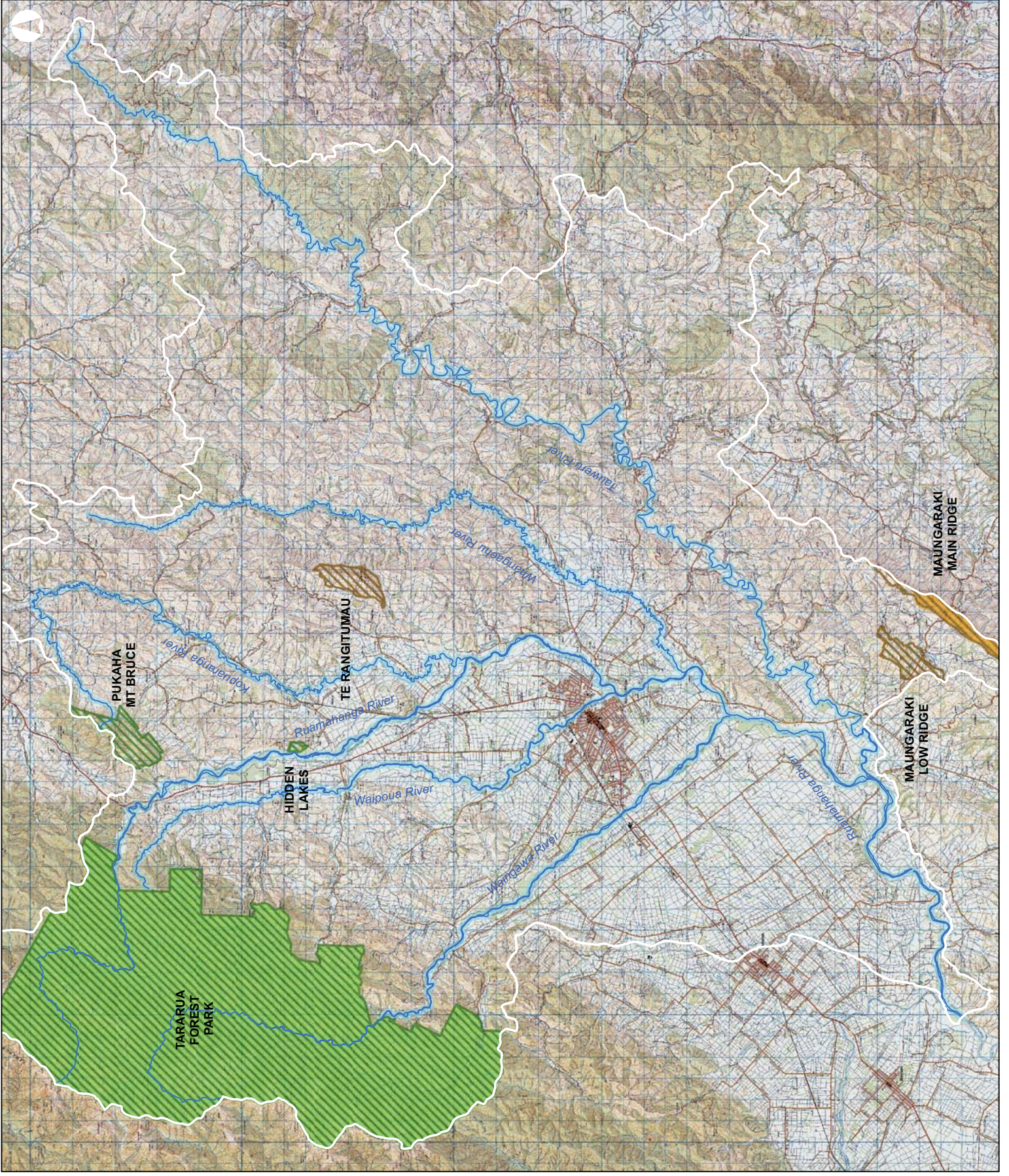
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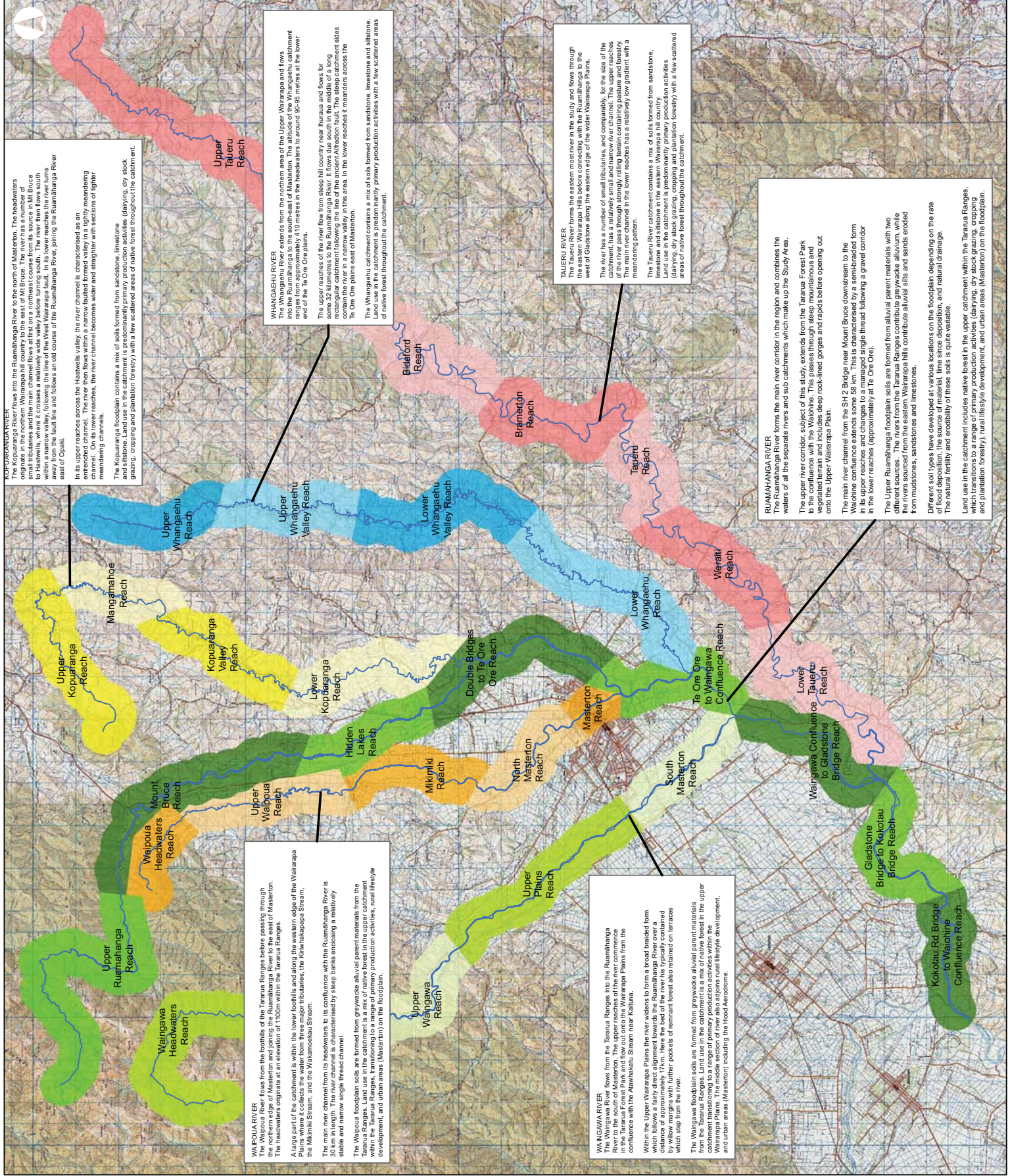
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KOPUARANGA RIVER
 The Kopuaranga River flows into the Ruamahanga River to the north of Masterton. The headwaters originate in the northern Waierapa hill country to the east of Mt Bruce. The river has a number of tributaries, including the Waipoua, Waingawa, and Waikare. The river flows south through the Waipoua valley, following the line of the West Waierapa fault. In its lower reaches the river turns away from the fault line and follows an old course of the Ruamahanga River, joining the Ruamahanga River east of Opaki.
 In its upper reaches across the Hasiwais valley, the river channel is characterised as an entrenched channel. The river then flows within a narrow faulted valley in a tightly meandering channel. The river channel becomes wider and straighter with sections of lighter meandering channels.
 The Kopuaranga floodplain contains a mix of soils formed from sandstone, limestone, and siltstone. Land use in the catchment is predominantly primary production activities with a few scattered areas of native forest throughout the catchment.

WANGAHEU RIVER
 The Wangaheue River flows from the northern hills of the Upper Waierapa and flows into the Ruamahanga to the south-east of Masterton. The altitude of the Wangaheue catchment ranges from approximately 410 metres in the headwaters to around 90-95 metres at the lower end of the Te Ore plains.
 The upper reaches of the river flow from steep hill country near Buraia and flows for some 32 kilometres to the Ruamahanga River. It flows due south in the middle of a long rectangular catchment following the line of the ancient Alfreton fault. The steep catchment sides contain the river in a narrow valley in this area. In the lower reaches it meanders across the Te Ore Plains east of Masterton.
 The Wangaheue catchment contains a mix of soils formed from sandstone, limestone and siltstone. Land use in the catchment is predominantly primary production activities with a few scattered areas of native forest throughout the catchment.

WAIPOUA RIVER
 The Waipoua River flows from the foothills of the Tararua Ranges before passing through the Waipoua valley to the west of Masterton. The headwaters originate at an elevation of 1100m within the Tararua Ranges. A large part of the catchment is within the lower foothills and along the western edge of the Waierapa Plateau. The Waipoua River is characterised by steep banks enclosing a relatively stable and narrow single thread channel.
 The main river channel from its headwaters to its confluence with the Ruamahanga River is formed from greywacke alluvial parent materials from the Waipoua Plateau. The Waipoua catchment contains a mix of soils formed from sandstone, limestone and siltstone. Land use in the catchment is predominantly primary production activities, rural lifestyle development, and urban areas (Masterton) on the floodplain.

HAKEU RIVER
 The Hakeu River forms the eastern most river in the study and flows through the eastern Waierapa Hills before connecting with the Ruamahanga to the west of Gladstone along the eastern edge of the wider Waierapa Plains.
 The river has a number of small tributaries, and comprises, for the size of the catchment, has a relatively small and narrow river channel. The upper reaches of the river pass through strongly rolling terrain containing pasture and forestry. The main river channel in the lower reaches has a relatively low gradient with a meandering pattern.
 The Tairāwhiti catchment contains a mix of soils formed from sandstone, limestone and siltstone. Land use in the catchment is predominantly primary production activities (dairy, dry stock grazing, cropping and plantation forestry) with a few scattered areas of native forest throughout the catchment.

RUAMAHANGA RIVER
 The Ruamahanga River forms the main river corridor in the region and combines the waters of all the separate rivers and sub-catchments which make up the Study Area.
 The upper river corridor, subject of this study, extends from the Tararua Forest Park to the confluence with the Waipoua. This passes through steep, mountainous and vegetated terrain and includes deep rock-lined gorges and rapids before opening out onto the Upper Waierapa Plains.
 The main river channel from the SH 2 Bridge near Mount Bruce downstream to the Waipoua Confluence is a managed single thread following a gravel corridor in the lower reaches (approximately at Te Ore).
 The Upper Ruamahanga floodplain soils are formed from alluvial parent materials with two main sources from the eastern Waierapa hills contribute alluvial silts and sands, eroded from mudstones, sandstones and limestones.
 Different soil types have been developed at various locations on the floodplain depending on the rate of flood deposition, the source of material, time since deposition, and natural drainage. The natural fertility and erodibility of these soils is quite variable.
 Land use in the catchment includes native forest in the upper catchment within the Tararua Ranges, which transitions to a range of primary production activities (dairy, dry stock grazing, cropping and plantation forestry), rural lifestyle development, and urban areas (Masterton) on the floodplain.

WANGAWA RIVER
 The Wangawa River flows from the Tararua Ranges into the Ruamahanga at the confluence with the Waipoua River. The headwaters originate in the Waierapa Hills to the east of Masterton, near the confluence with the Awahakatu Stream near Kaitiaki.
 Within the Upper Waierapa Plains the river widens to form a broad braided form which flows a fairly direct alignment towards the Ruamahanga River over a distance of approximately 17km. Here the bed of the river is typically contained by willow margins with further pockets of remnant forest also retained on terraces which step from the river.
 The Wangawa floodplain soils are formed from greywacke alluvial parent materials from the Tararua Ranges. Land use in the catchment is a mix of native forest in the upper reaches, a range of primary production activities (dairy, dry stock grazing, cropping and plantation forestry) including the Hood Aerodrome, and urban areas (Masterton).

UPPER TAUERU REACH
 This reach is located in the northern hills of the Upper Waierapa and flows into the Ruamahanga to the south-east of Masterton. The altitude of the Upper Taueru catchment ranges from approximately 410 metres in the headwaters to around 90-95 metres at the lower end of the Te Ore plains.

UPPER WHANGAHEU REACH
 The upper reaches of the river flow from steep hill country near Buraia and flows for some 32 kilometres to the Ruamahanga River. It flows due south in the middle of a long rectangular catchment following the line of the ancient Alfreton fault. The steep catchment sides contain the river in a narrow valley in this area. In the lower reaches it meanders across the Te Ore Plains east of Masterton.

UPPER WAIPOUA REACH
 The Waipoua River flows from the foothills of the Tararua Ranges before passing through the Waipoua valley to the west of Masterton. The headwaters originate at an elevation of 1100m within the Tararua Ranges. A large part of the catchment is within the lower foothills and along the western edge of the Waierapa Plateau. The Waipoua River is characterised by steep banks enclosing a relatively stable and narrow single thread channel.

UPPER KOPUARANGA REACH
 The Kopuaranga River flows into the Ruamahanga River to the north of Masterton. The headwaters originate in the northern Waierapa hill country to the east of Mt Bruce. The river has a number of tributaries, including the Waipoua, Waingawa, and Waikare. The river flows south through the Waipoua valley, following the line of the West Waierapa fault. In its lower reaches the river turns away from the fault line and follows an old course of the Ruamahanga River, joining the Ruamahanga River east of Opaki.

UPPER WHANGAHEU VALLEY REACH
 The Wangaheue River flows from the northern hills of the Upper Waierapa and flows into the Ruamahanga to the south-east of Masterton. The altitude of the Wangaheue catchment ranges from approximately 410 metres in the headwaters to around 90-95 metres at the lower end of the Te Ore plains.

UPPER WAIPOUA VALLEY REACH
 The Waipoua River flows from the foothills of the Tararua Ranges before passing through the Waipoua valley to the west of Masterton. The headwaters originate at an elevation of 1100m within the Tararua Ranges. A large part of the catchment is within the lower foothills and along the western edge of the Waierapa Plateau. The Waipoua River is characterised by steep banks enclosing a relatively stable and narrow single thread channel.

LOWER WHANGAHEU VALLEY REACH
 The upper reaches of the river flow from steep hill country near Buraia and flows for some 32 kilometres to the Ruamahanga River. It flows due south in the middle of a long rectangular catchment following the line of the ancient Alfreton fault. The steep catchment sides contain the river in a narrow valley in this area. In the lower reaches it meanders across the Te Ore Plains east of Masterton.

LOWER WHANGAHEU REACH
 The Wangaheue River flows from the northern hills of the Upper Waierapa and flows into the Ruamahanga to the south-east of Masterton. The altitude of the Wangaheue catchment ranges from approximately 410 metres in the headwaters to around 90-95 metres at the lower end of the Te Ore plains.

LOWER TAUERU REACH
 This reach is located in the northern hills of the Upper Waierapa and flows into the Ruamahanga to the south-east of Masterton. The altitude of the Upper Taueru catchment ranges from approximately 410 metres in the headwaters to around 90-95 metres at the lower end of the Te Ore plains.

LOWER WHANGAHEU REACH
 The Wangaheue River flows from the northern hills of the Upper Waierapa and flows into the Ruamahanga to the south-east of Masterton. The altitude of the Wangaheue catchment ranges from approximately 410 metres in the headwaters to around 90-95 metres at the lower end of the Te Ore plains.

LOWER TAUERU REACH
 This reach is located in the northern hills of the Upper Waierapa and flows into the Ruamahanga to the south-east of Masterton. The altitude of the Upper Taueru catchment ranges from approximately 410 metres in the headwaters to around 90-95 metres at the lower end of the Te Ore plains.

LOWER WHANGAHEU REACH
 The Wangaheue River flows from the northern hills of the Upper Waierapa and flows into the Ruamahanga to the south-east of Masterton. The altitude of the Wangaheue catchment ranges from approximately 410 metres in the headwaters to around 90-95 metres at the lower end of the Te Ore plains.

LOWER TAUERU REACH
 This reach is located in the northern hills of the Upper Waierapa and flows into the Ruamahanga to the south-east of Masterton. The altitude of the Upper Taueru catchment ranges from approximately 410 metres in the headwaters to around 90-95 metres at the lower end of the Te Ore plains.

LOWER WHANGAHEU REACH
 The Wangaheue River flows from the northern hills of the Upper Waierapa and flows into the Ruamahanga to the south-east of Masterton. The altitude of the Wangaheue catchment ranges from approximately 410 metres in the headwaters to around 90-95 metres at the lower end of the Te Ore plains.

LOWER TAUERU REACH
 This reach is located in the northern hills of the Upper Waierapa and flows into the Ruamahanga to the south-east of Masterton. The altitude of the Upper Taueru catchment ranges from approximately 410 metres in the headwaters to around 90-95 metres at the lower end of the Te Ore plains.

LANDSCAPE

MAP 10
 LANDSCAPE
 SUMMARY

Source : Boffa Miskell Ltd (2013)

Date: July 2014
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DOC Sites
DOC Tracks



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TE KAURU
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FMP MAPPING

RECREATION

MAP 11
DEPT OF CONSERVATION
TRACKS & SITES

Source :
DOC (2013)

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KAYAK ACCESS

- Public vehicle access
- Vehicle access requiring landowner permission
- Walking access only
- Other

KAYAK AREA

- Flat water with riffles and braids
- Grade 2+; boulder gardens and sharp ends
- Popular flat water; easily accessible for beginners
- Grade 2+; greywacke ledges



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TE KAURU
UPPER RUAMAHANGA
FMP MAPPING

RECREATION

MAP 12
KAYAKING
AREAS & ACCESS

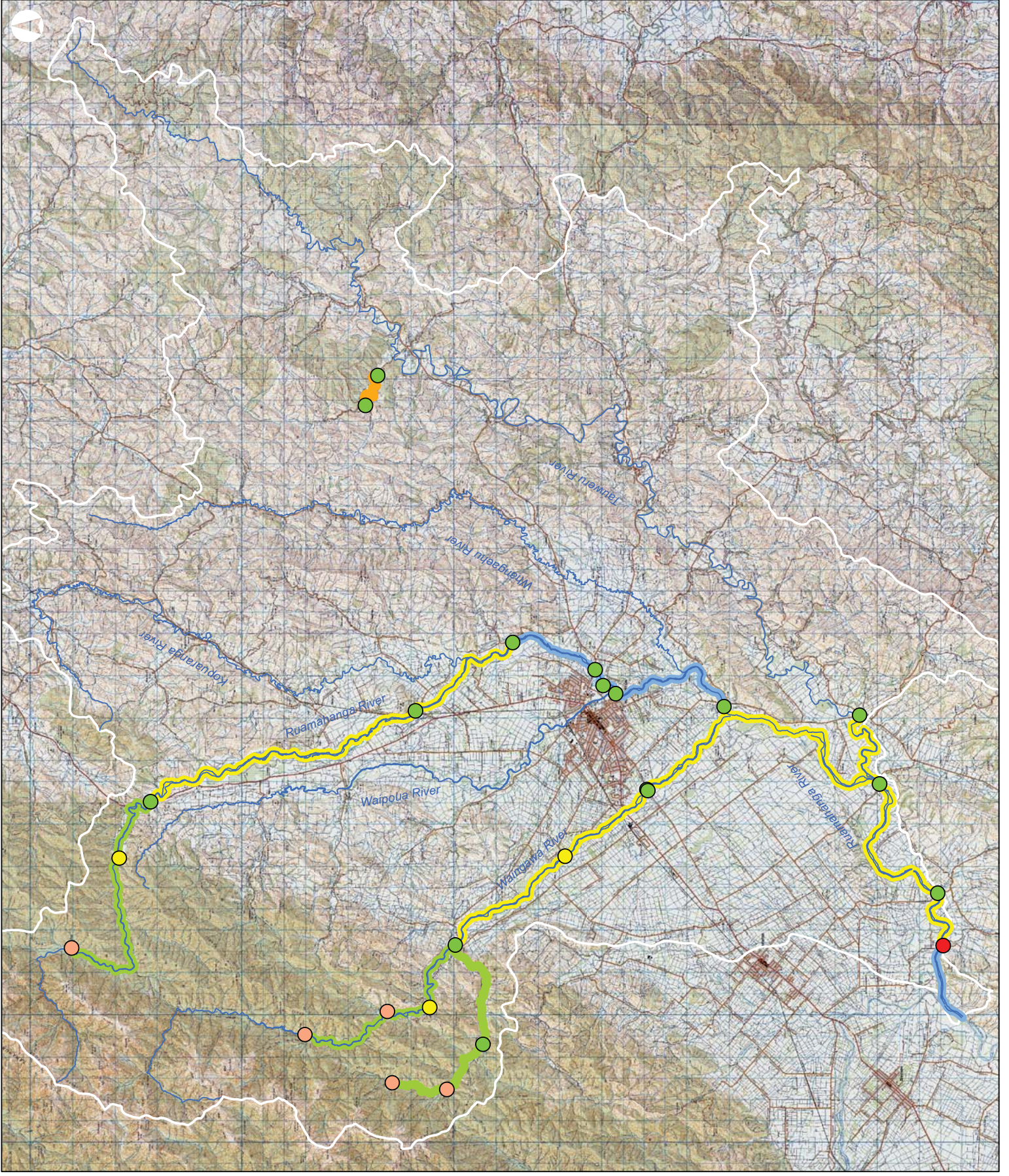
Source :
Wairarapa Paddlers (2013)

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SWIM SITE



1:165,000

TE KAURU
UPPER RUAMAHANGA
FMP MAPPING

RECREATION

MAP 13
SWIMMING
SITES

Source :
GWRC Brochure (2005)

Date: July 2014
Revision: 1

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- Angler Access**
- USAGE**
- Infrequently fished
 - Low / moderate value fishing
 - Popular fishing area / Recognised fishing / spawning area
 - Recognised fishing / spawning area
 - Wilderness fishing opportunities



1:165,000

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UPPER RUAMAHANGA
FMP MAPPING

RECREATION

MAP 14 ANGLER ACCESS & FISHING AREAS

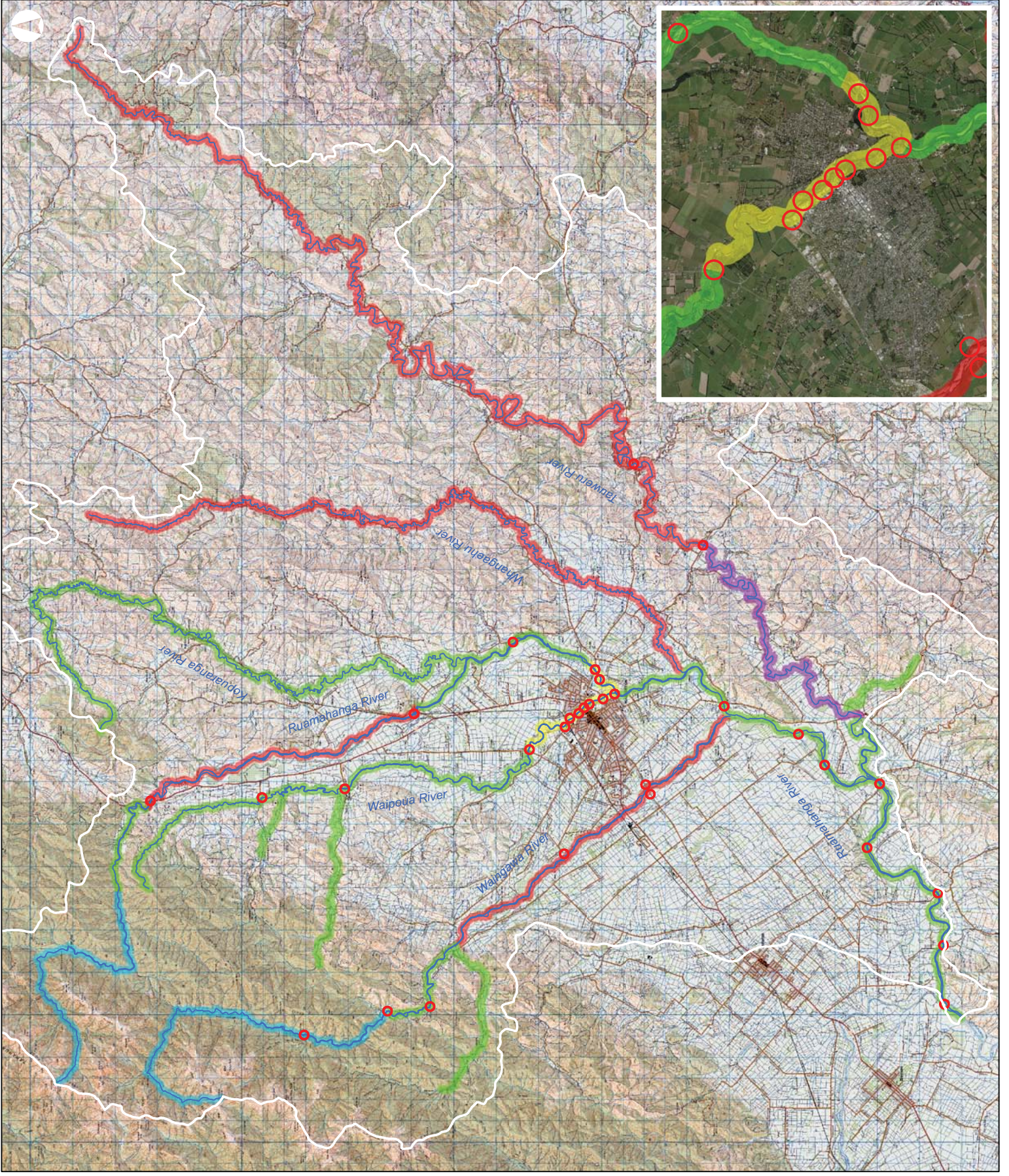
Sources :
Wairarapa Fishing Club (2013)
Fish and Game (2013)

Date: July 2014
Revision: 1
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● Game Bird Areas



1:165,000

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UPPER RUAMAHANGA
FMP MAPPING

RECREATION

MAP 15
GAME BIRD AREAS

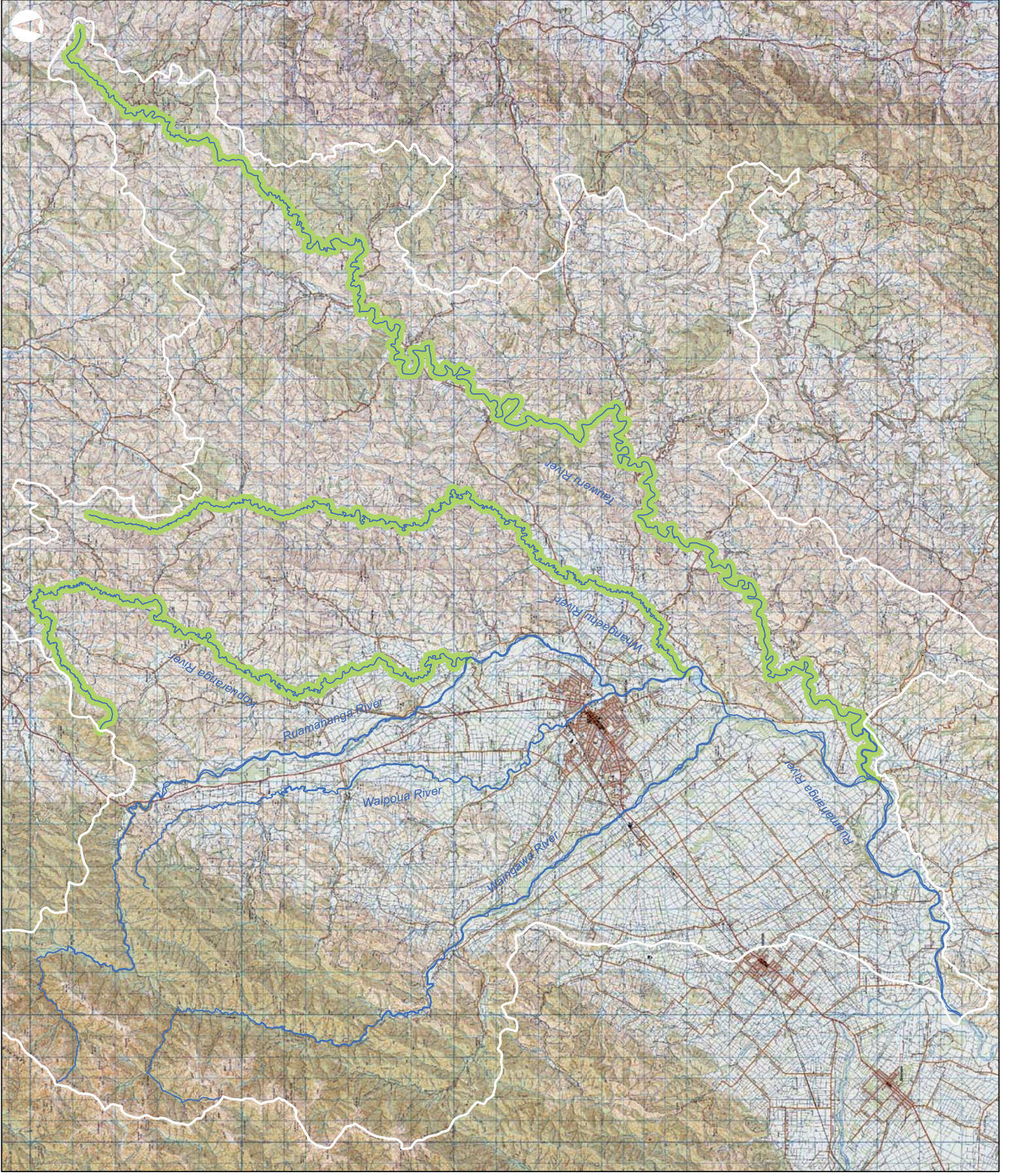
Source :
Ducks Unlimited (2013)

Date: July 2014
Revision: 1
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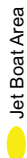


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Jet Boat Access



Jet Boat Area



1:165,000

TE KAURU
UPPER RUAMAHANGA
FMP MAPPING

RECREATION

MAP 16 JET BOAT ACCESS & AREAS

Source :
Jet Boating NZ Inc (2013)

Date: July 2014

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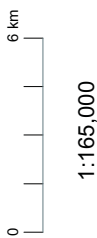


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RIVER VALUES

- Kopuaranga River
- Ruamahanga River
- Taueru River
- Waingawa River
- Waipoua River
- Whangaehu River



TE KAURU
UPPER RUAMAHANGA
FMP MAPPING

CULTURAL

**MAP 17
RIVER VALUES**

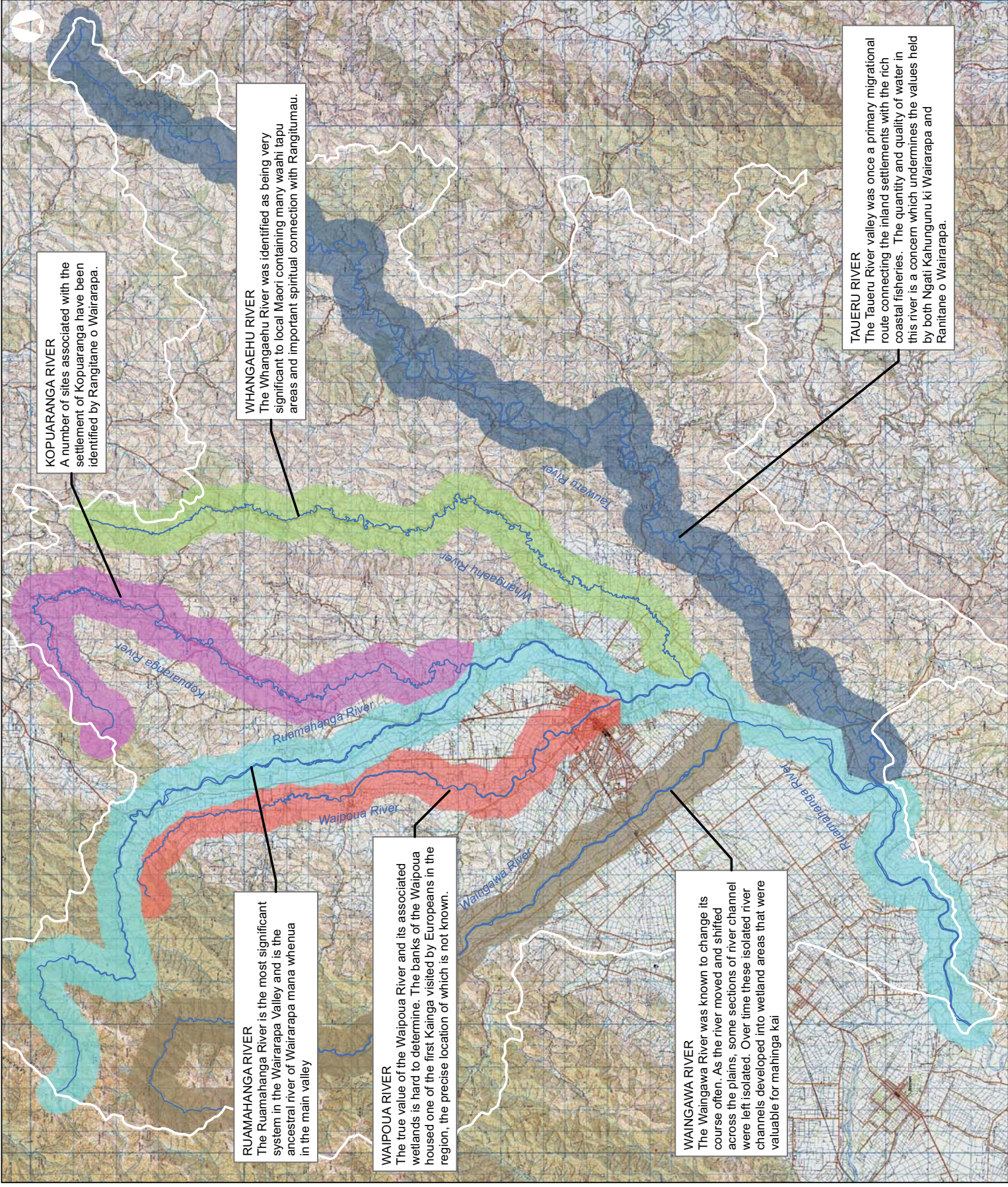
Sources:
Caleb Royal (2011)
Dane Rimene & Ra Smith (2013)

Date: July 2014
Revision: 1
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KOPUARANGA RIVER
A number of sites associated with the settlement of Kopuaranga have been identified by Rangitane o Wairarapa.

WHANGAEHU RIVER
The Whangaehu River was identified as being very significant to local Maori containing many waahi tapu areas and important spiritual connection with Rangitumau.

RUAMAHANGA RIVER
The Ruamahanga River is the most significant system in the Wairarapa Valley and is the ancestral river of Wairarapa mana whenua in the main valley

WAIPOUA RIVER
The true value of the Waipoua River and its associated wetlands is hard to determine. The banks of the Waipoua housed one of the first Kainga visited by Europeans in the region, the precise location of which is not known.

WAINGAWA RIVER
The Waingawa River was known to change its course often. As the river moved and shifted across the plains, some sections of river channel were left isolated. Over time these isolated river channels developed into wetland areas that were valuable for mahinga kai

TAUERU RIVER
The Taueru River valley was once a primary migrational route connecting the inland settlements with the rich coastal fisheries. The quantity and quality of water in this river is a concern which undermines the values held by both Ngati Kahungunu ki Wairarapa and Ranitane o Wairarapa.

Cultural Site

- Tangata Whenua Site (identified within Wairarapa Combined District Plan)



1:165,000

TE KAURU
UPPER RUAMAHANGA
FMP MAPPING

CULTURAL

MAP 18
SITES OF
CULTURAL VALUE

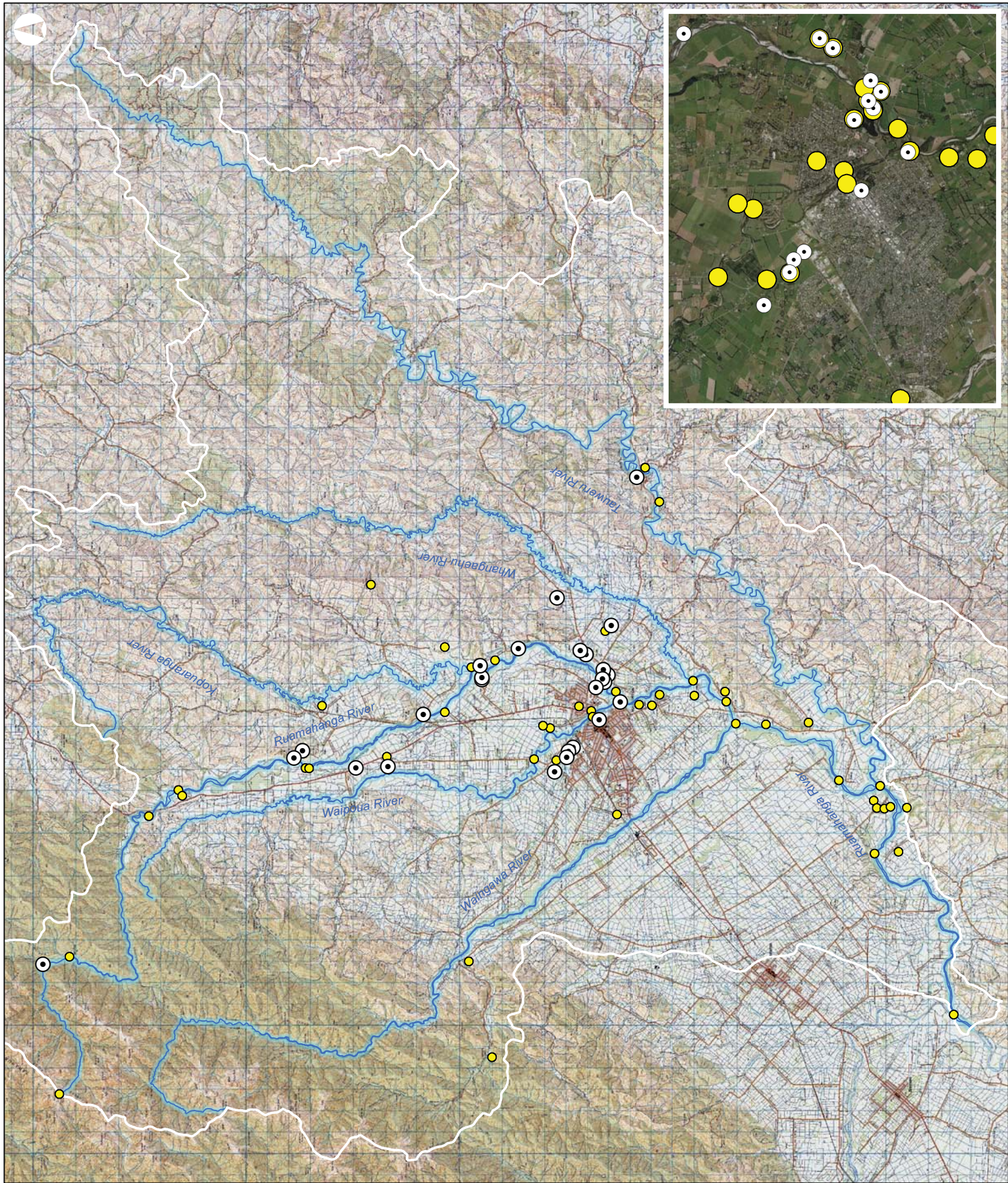
Sources:
Caleb Royal (2011), WCDP (2013)
Dane Rimerne & Ra Smith (2013)

Date: July 2014
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- ⊙ Archaeological Site
- Historic Place



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UPPER RUAMAHANGA
FMP MAPPING

HERITAGE

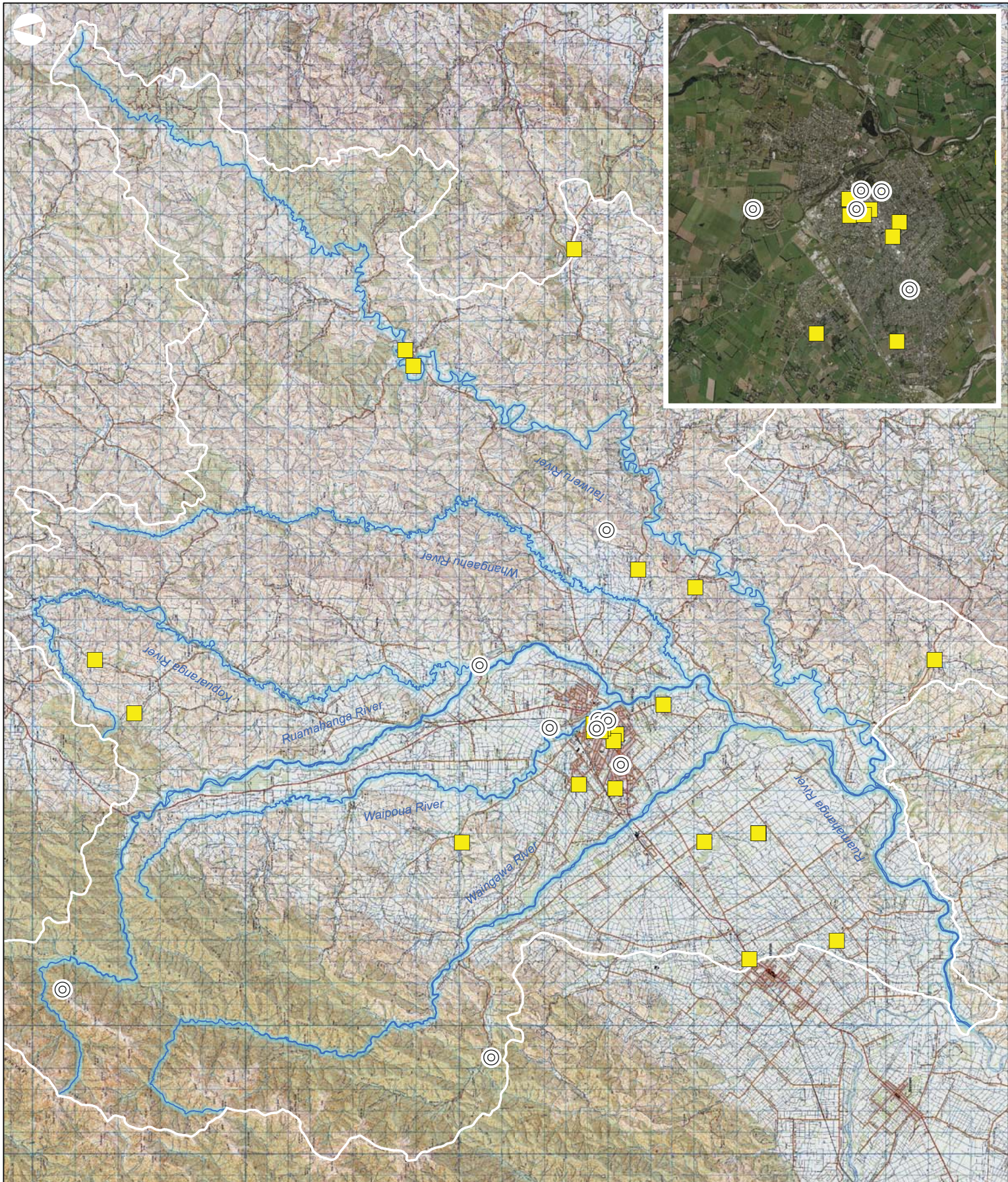
MAP 19
ARCHAEOLOGICAL
& HISTORIC SITES

Sources :
NZAA, HZHPT (2013)
Date: July 2014
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- Heritage Sites
- Heritage Areas

(As identified within the
Wairarapa Combined
District Plan)



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TE KAURU
UPPER RUAMAHANGA
FMP MAPPING

HERITAGE

MAP 20
HERITAGE SITES / AREAS
(WAIRARAPA COMBINED
DISTRICT PLAN)

Sources :
WCDP (2013)

Date: July 2014

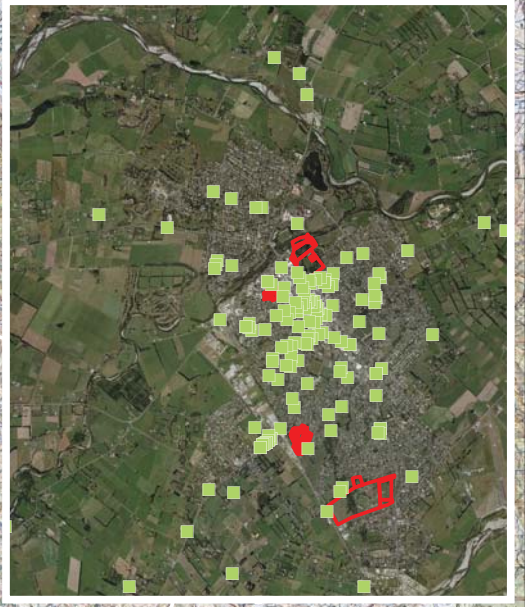
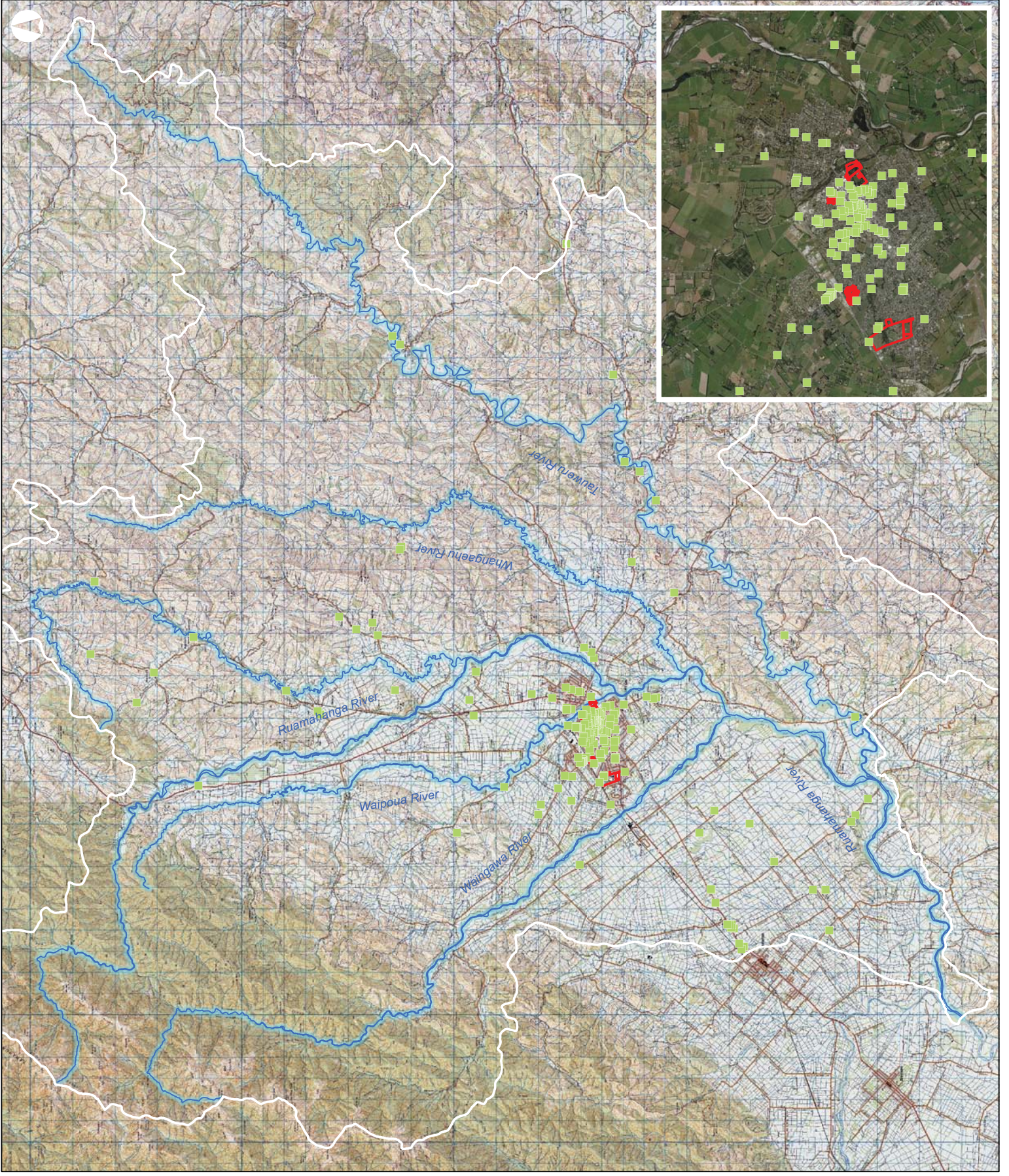
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NOTE
 The methodology of identifying vegetation communities was predominantly undertaken as a desktop exercise using available aerial photography at 1: 5,000 scale. Whilst best endeavours were taken to determine vegetation communities and vegetation structural classes, this may have resulted in some of the vegetation communities being mapped incorrectly. Given the scale of the Study Area and the limited public access to some of the areas of vegetation being mapped, only a small number of sites were visited for field verification.



1:165,000

TE KAURU
 UPPER RUAMAHANGA
 FMP MAPPING

ECOLOGY

**MAP 21
 VEGETATION
 OVERVIEW**

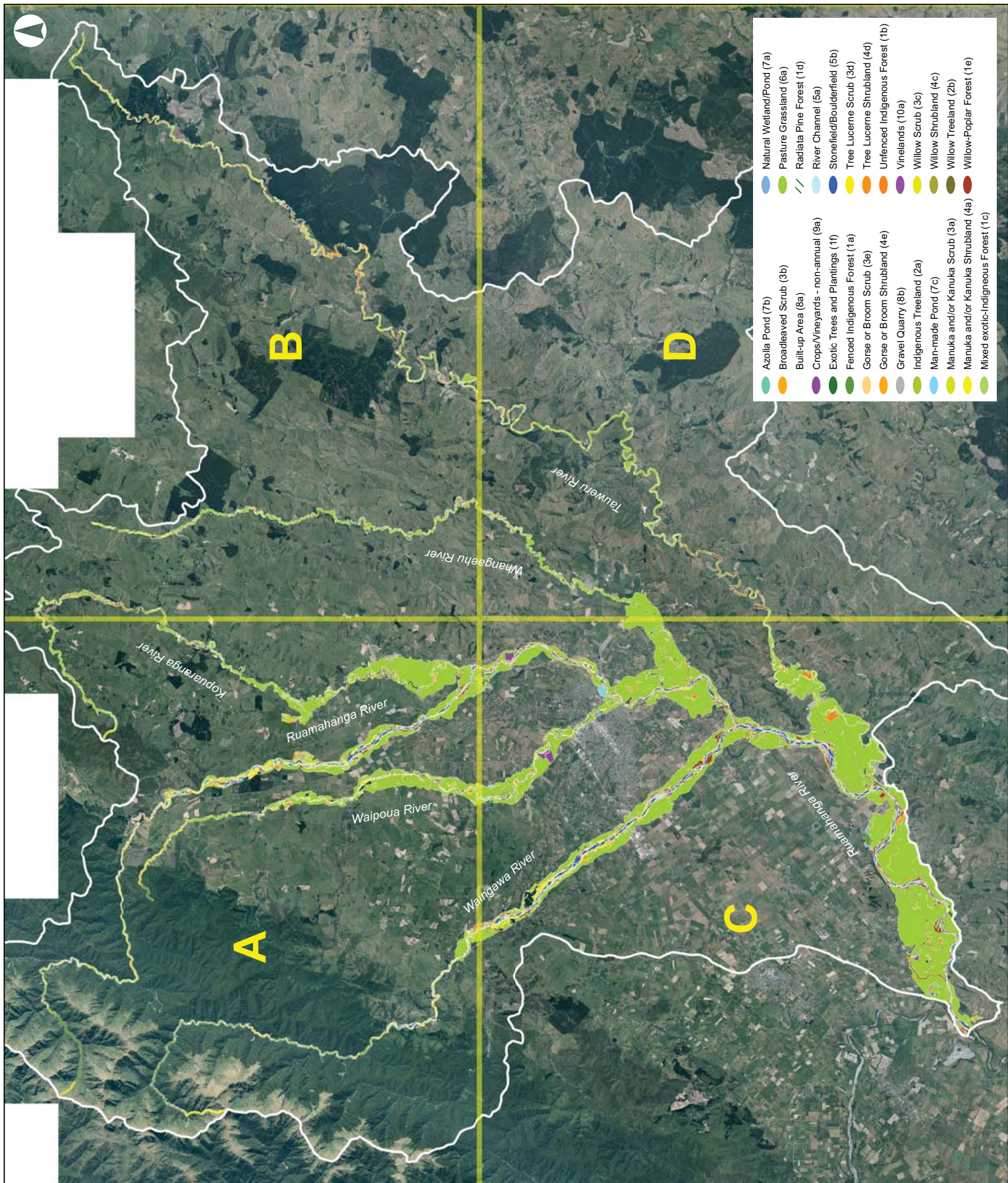
Source :
 Boffa Miskell Ltd (2013)

Date: July 2014
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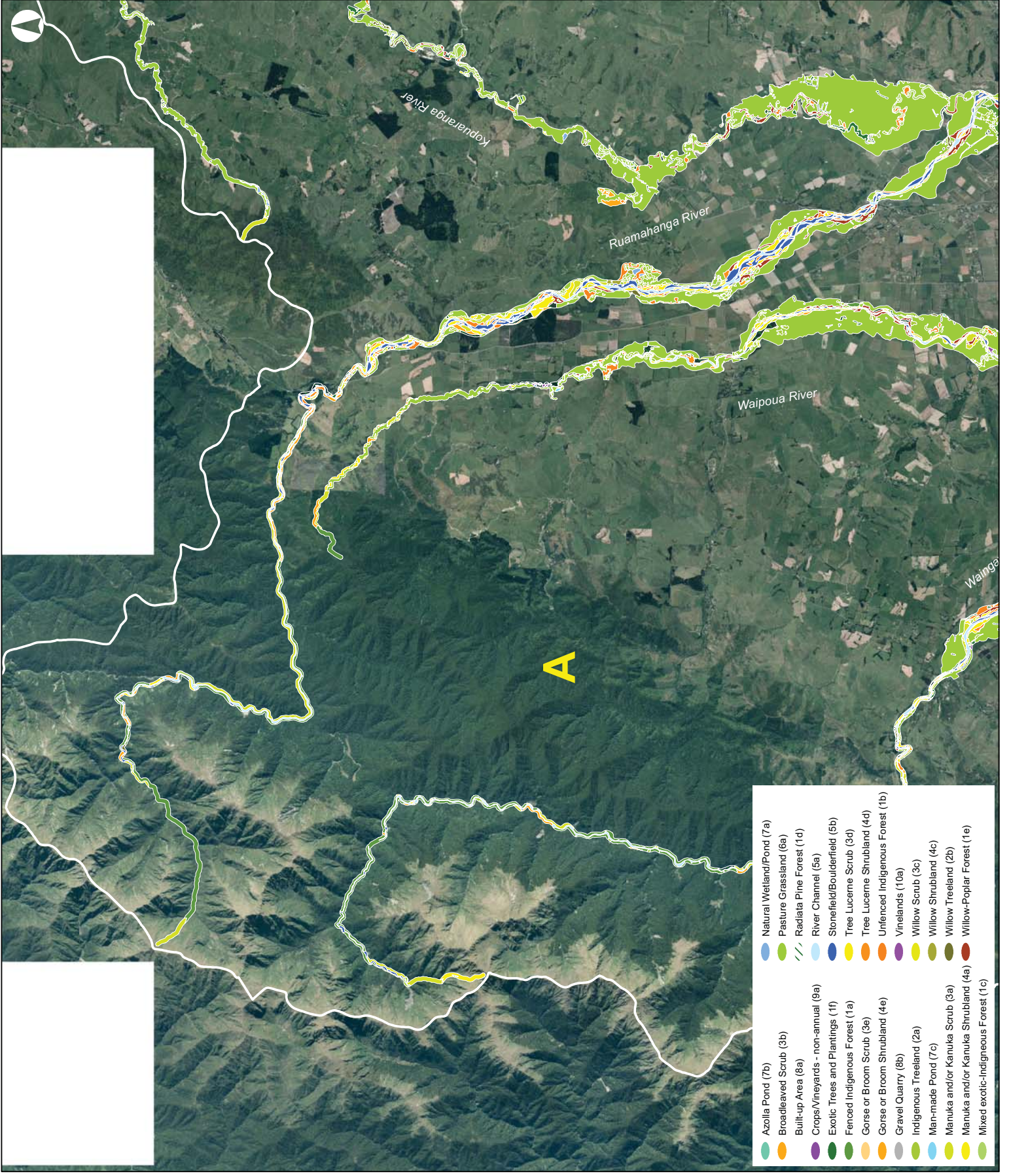
TE KAURU
 UPPER RUAMAHANGA
 FMP MAPPING

ECOLOGY

**MAP 21A
 VEGETATION**

Source :
 Boffa Mistekill Ltd (2013)
 Date: July 2014
 Revision: 1
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1:82,500

TE KAURU
 UPPER RUAMAHANGA
 FMP MAPPING

ECOLOGY

**MAP21B
 VEGETATION**

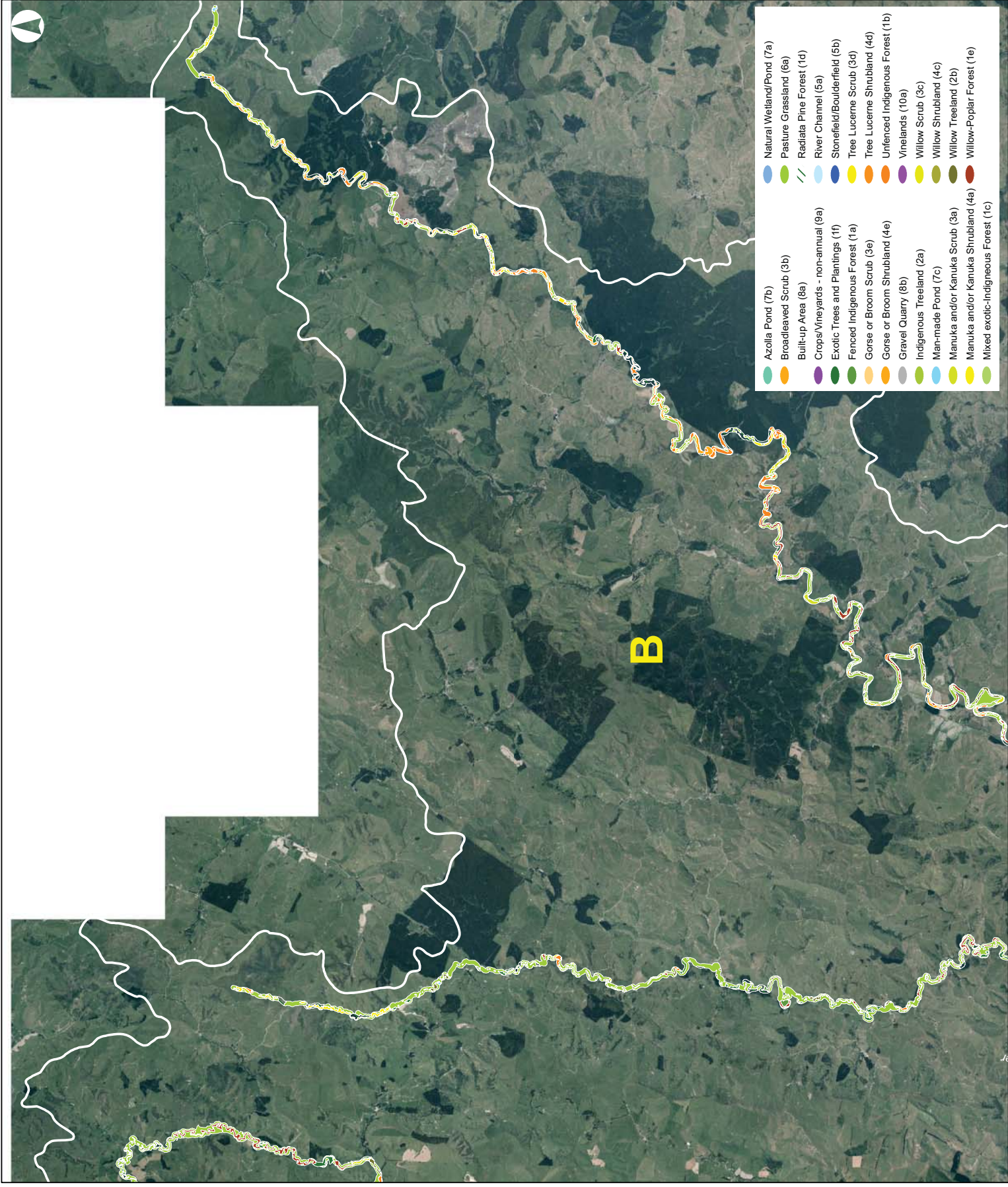
Source :
 Boffa Miskell Ltd (2013)

Date: July 2014
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1:82,500

TE KAURU
 UPPER RUAMAHANGA
 FMP MAPPING

ECOLOGY

**MAP 21C
 VEGETATION**

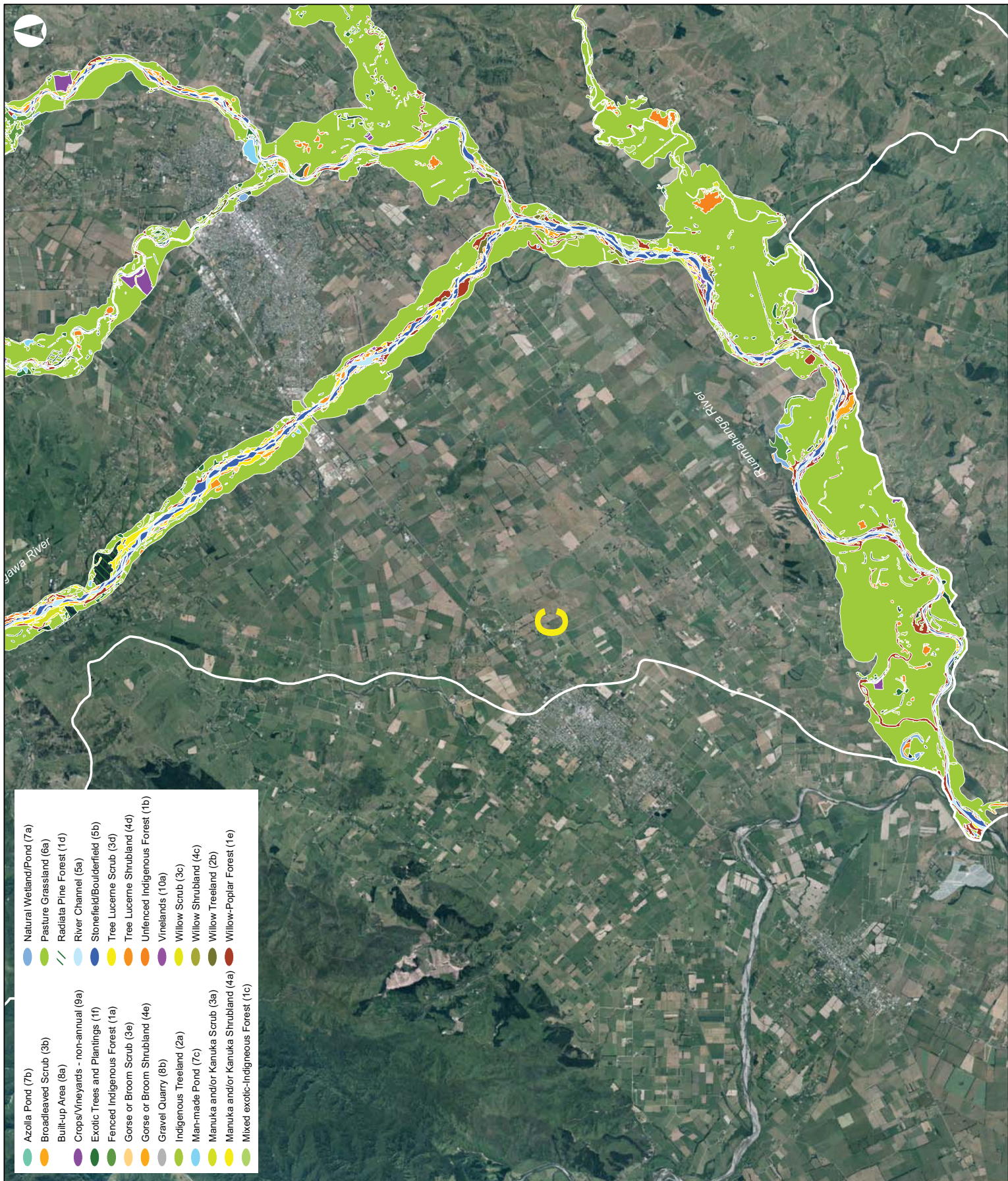
Source :
 Boffa Miskell Ltd (2013)

Date: July 2014
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1:82,500

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 UPPER RUAMAHANGA
 FMP MAPPING

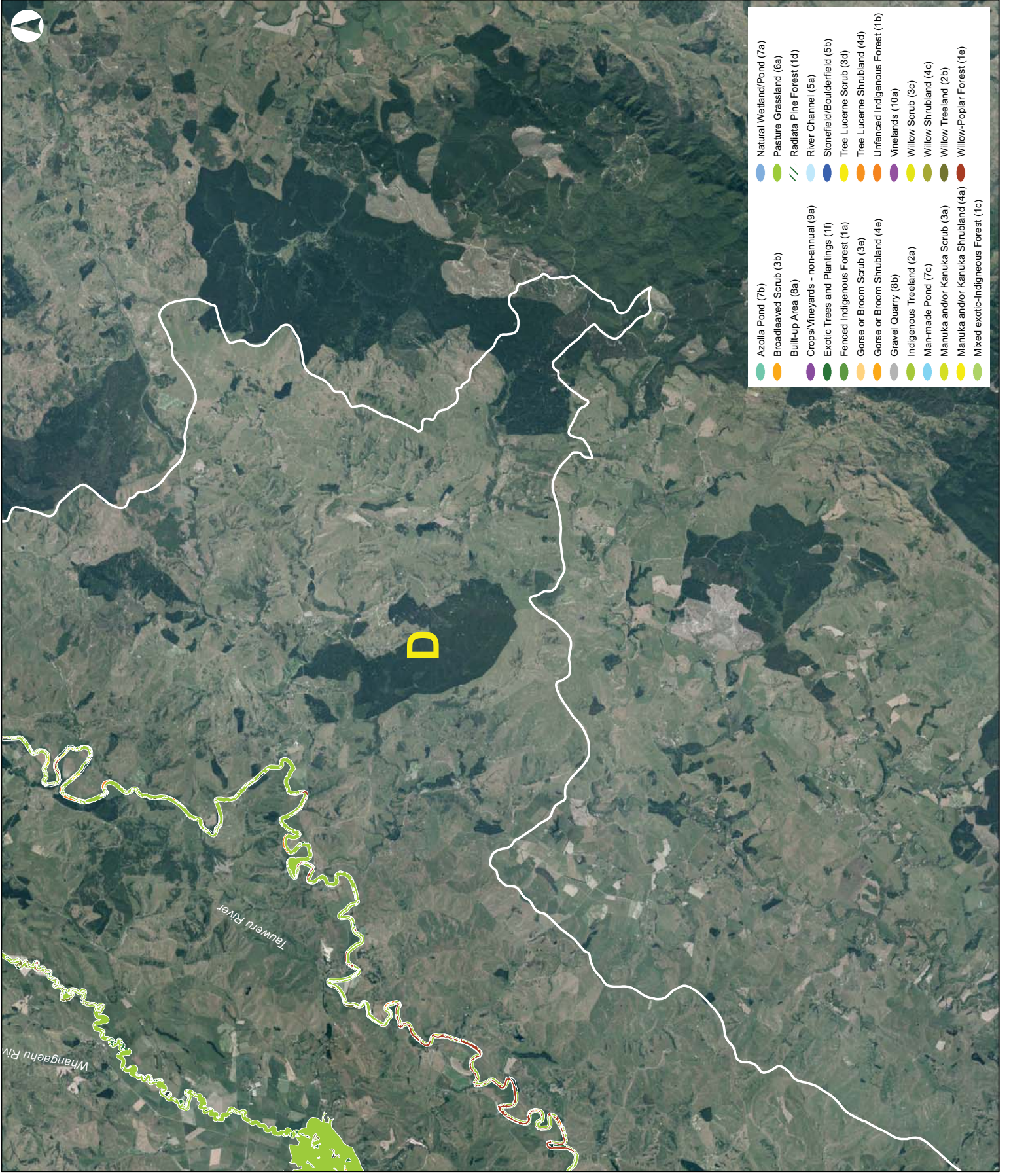
ECOLOGY

**MAP 21D
 VEGETATION**

Source :
 Boffa Miskell Ltd (2013)

Date: July 2014
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- Azolla Pond (7b)
- Broadleaved Scrub (3b)
- Built-up Area (8a)
- Crops/Vineyards - non-annual (9a)
- Exotic Trees and Plantings (1f)
- Fenced Indigenous Forest (1a)
- Gorse or Broom Scrub (3e)
- Gorse or Broom Shrubland (4e)
- Gravel Quarry (8b)
- Indigenous Treeland (2a)
- Man-made Pond (7c)
- Manuka and/or Kanuka Shrub (3a)
- Manuka and/or Kanuka Shrubland (4a)
- Mixed exotic-Indigenous Forest (1c)
- Natural Wetland/Pond (7a)
- Pasture Grassland (6a)
- // Radiata Pine Forest (1d)
- // River Channel (5a)
- Stonefield/Boulderfield (5b)
- Tree Lucerne Scrub (3d)
- Tree Lucerne Shrubland (4d)
- Unfenced Indigenous Forest (1b)
- Vinelands (10a)
- Willow Scrub (3c)
- Willow Shrubland (4c)
- Willow Treeland (2b)
- Willow-Poplar Forest (1e)

-  Freshwater Fish
-  Bird Count
-  LAWA Monitoring Site
-  RAP Sites

NOTE
RAP Sites identified along river
corridor only.



1:165,000

TE KAURU
UPPER RUAMAHANGA
FMP MAPPING

ECOLOGY

**MAP 22
ECOLOGICAL
SITES**

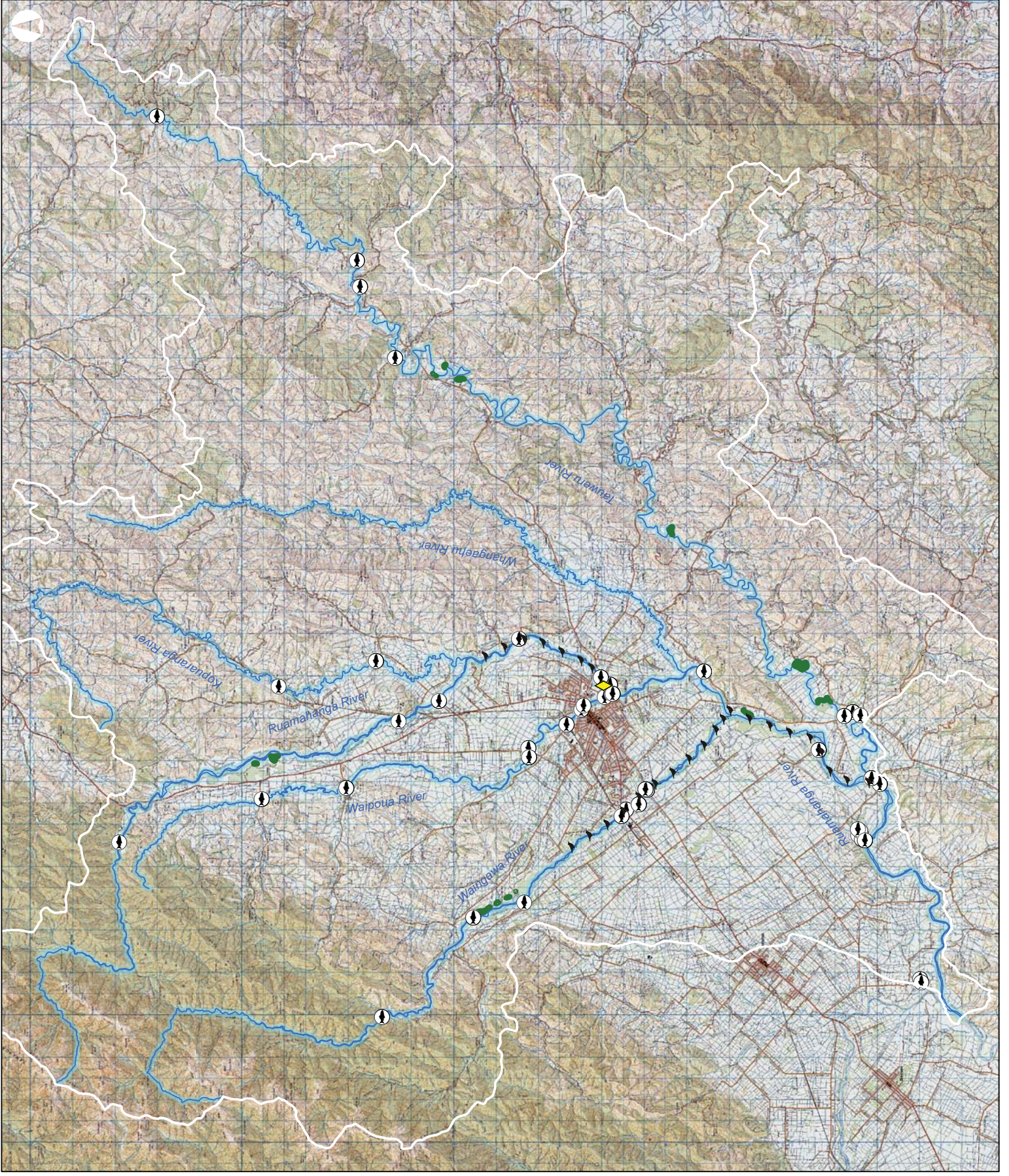
Source :
DoC, GWRC, NIWA




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-  Erosion Hazard Area
-  Flood Alert
-  Flood Hazard Area

Identified within Wairarapa Combined District Plan (2013)



1:165,000

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UPPER RUAMAHANGA
FMP MAPPING

LANDUSE & PLANNING

**MAP 23
FLOOD HAZARD &
FLOOD ALERT AREAS**

Source :
Wairarapa Combined District Plan (2013)

Date: July 2014
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 Selected Land Use Register



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LANDUSE & PLANNING

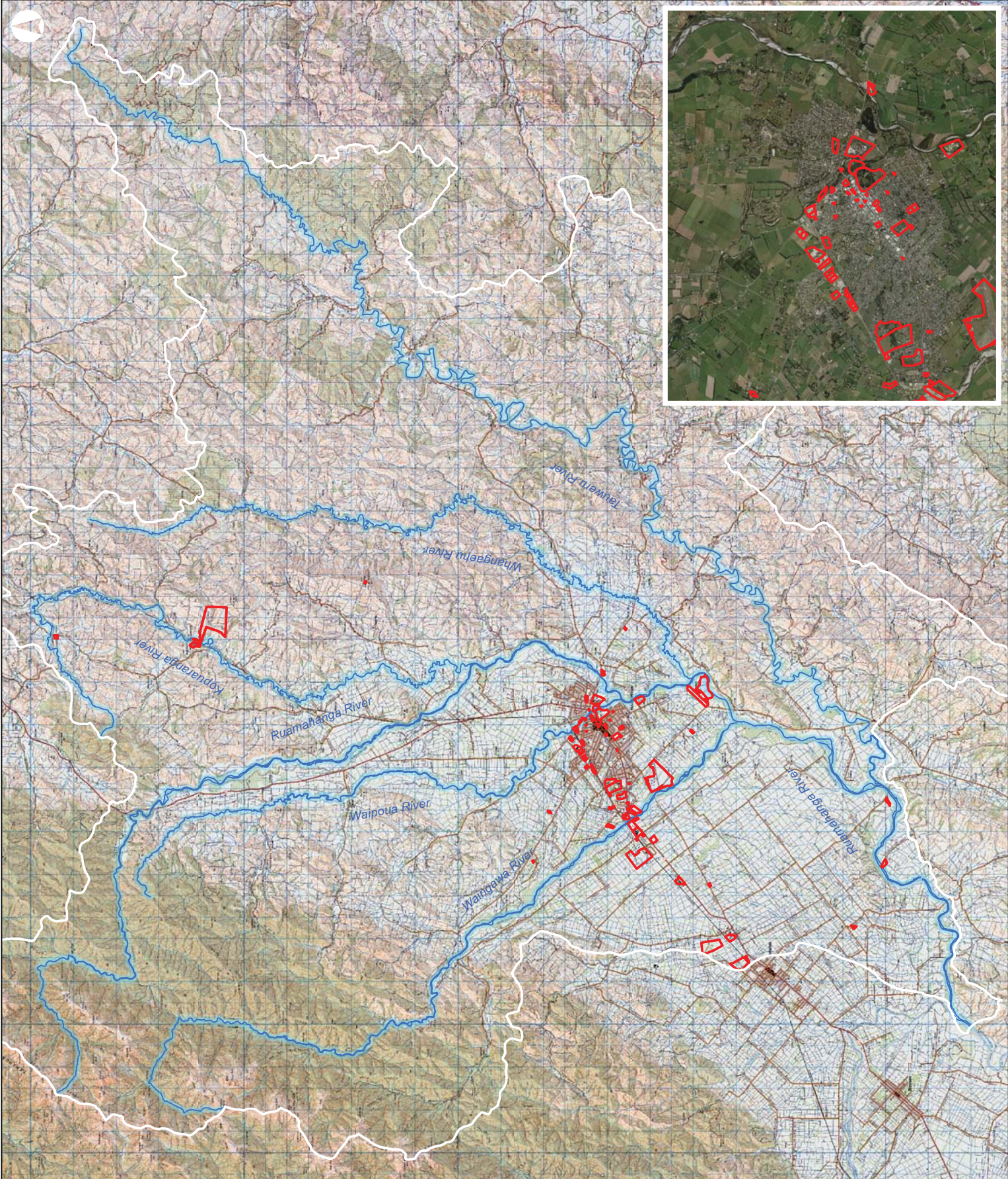
**MAP 24
SLUR
(Selected Land
Use Register)**

Source :
GWRC (2013)
Date: July 2014
Revision: 1
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FUTURE DEVELOPMENT

- Industrial
- Residential

Identified within Wairarapa Combined District Plan (2013)



1:165,000

TE KAURU
UPPER RUAMAHANGA
FMP MAPPING

LANDUSE & PLANNING

MAP 25 FUTURE DEVELOPMENT

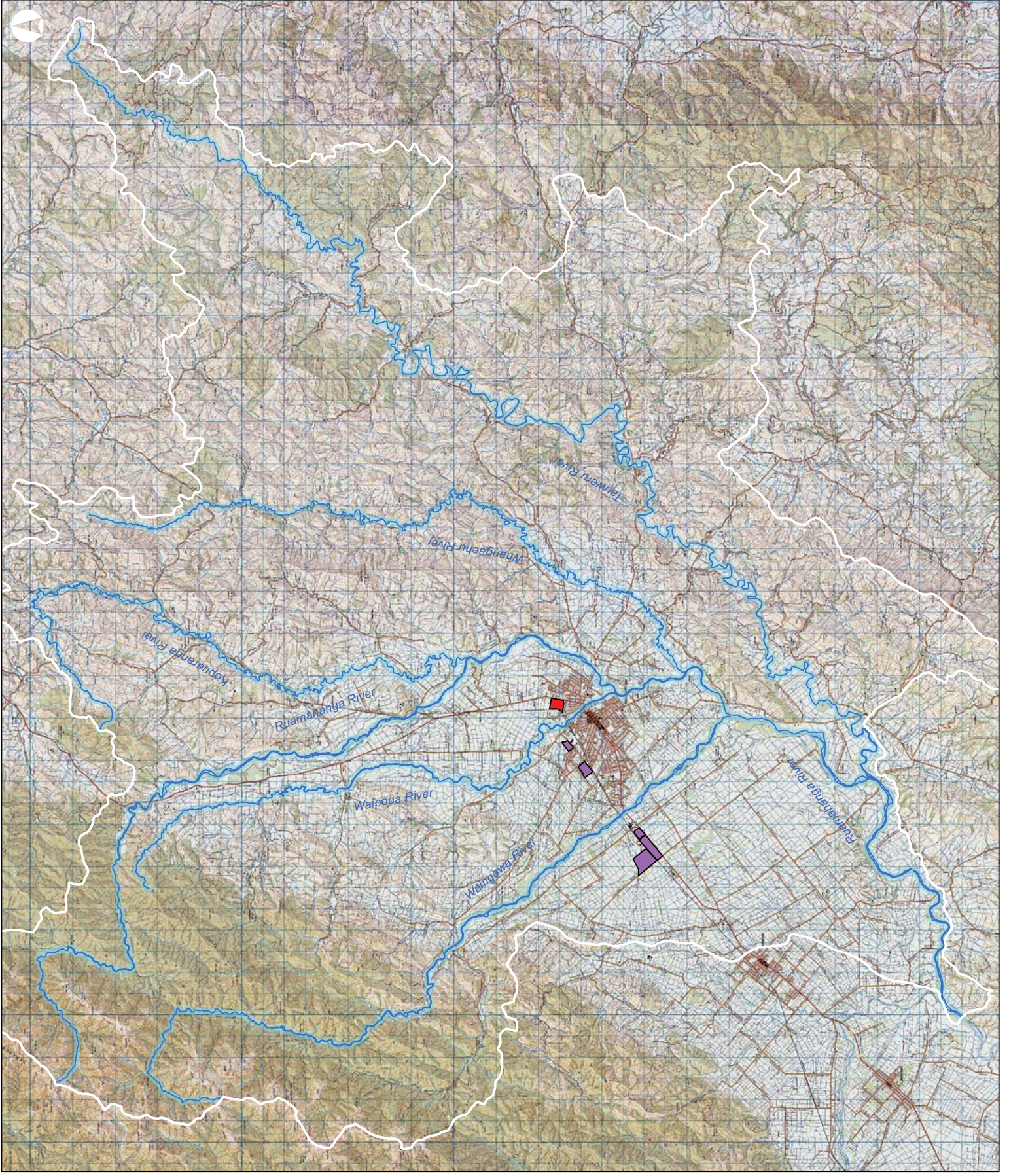
Source :
Wairarapa Combined District Plan (2013)

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Buildings (plus 100m buffer)

Identified on LINZ Topo50 Map Series



1:165,000

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FMP MAPPING

LANDUSE & PLANNING

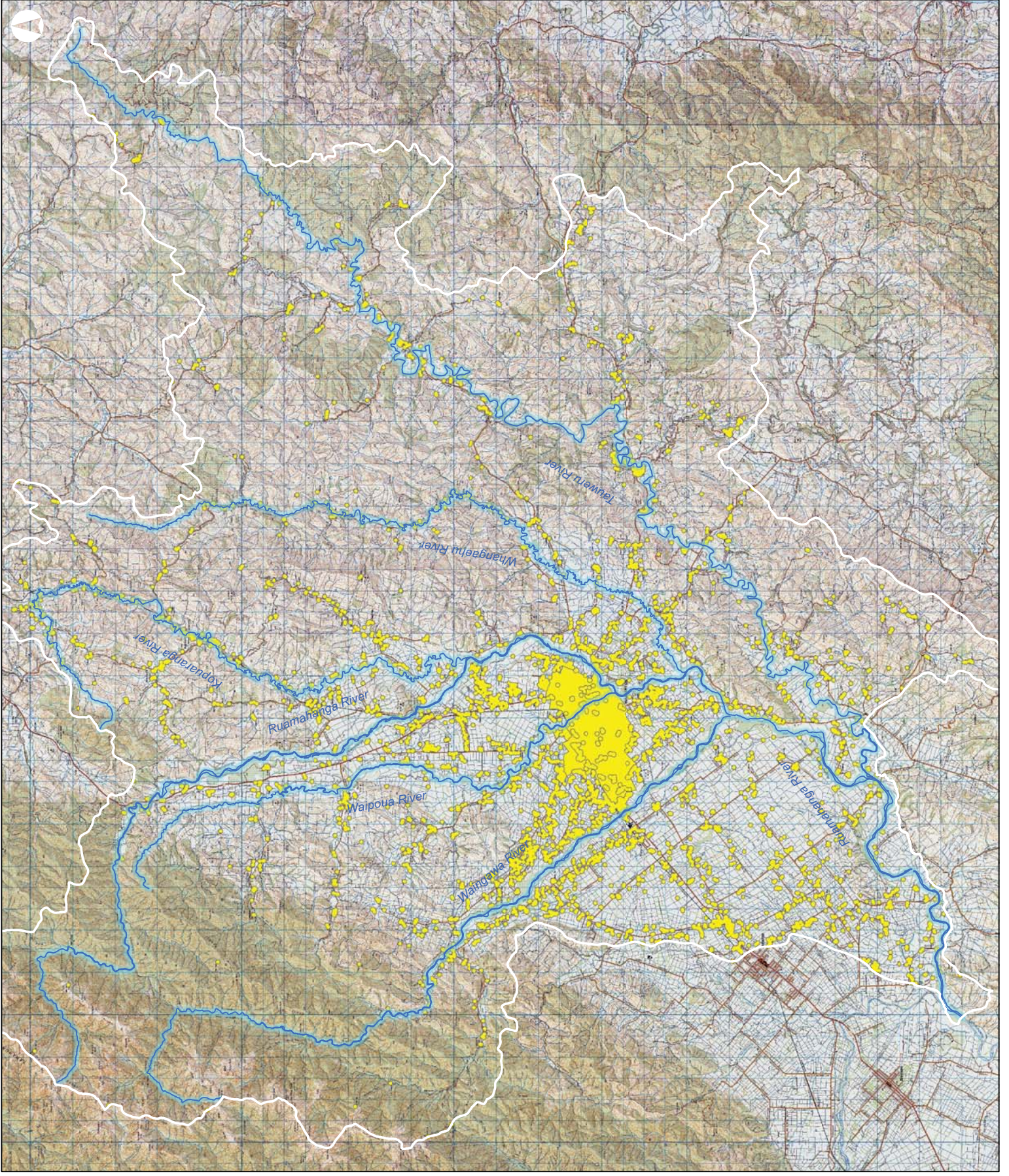
MAP 26
BUILDINGS

Source :
LINZ Topo50 Map Series
Date: July 2014
Revision: 1
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Park

Identified by Dept of Conservation and
within Wairarapa Combined District Plan
(2013)



1:165,000

TE KAURU
UPPER RUAMAHANGA
FMP MAPPING

LANDUSE & PLANNING

MAP 27
PARKS

Sources :
DoC, WCDP

Date: July 2014

Revision: 1

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- Commercial
- Industrial
- Rail
- Residential
- River
- Road
- Primary Production
- Conservation Mgt
- Special Rural

Identified within Wairarapa Combined District Plan (2013)



1:165,000

TE KAURU
UPPER RUAMAHANGA
FMP MAPPING

LANDUSE & PLANNING

MAP 28
DISTRICT PLAN
ZONES

Source :
Wairarapa Combined District Plan (2013)

Date: July 2014

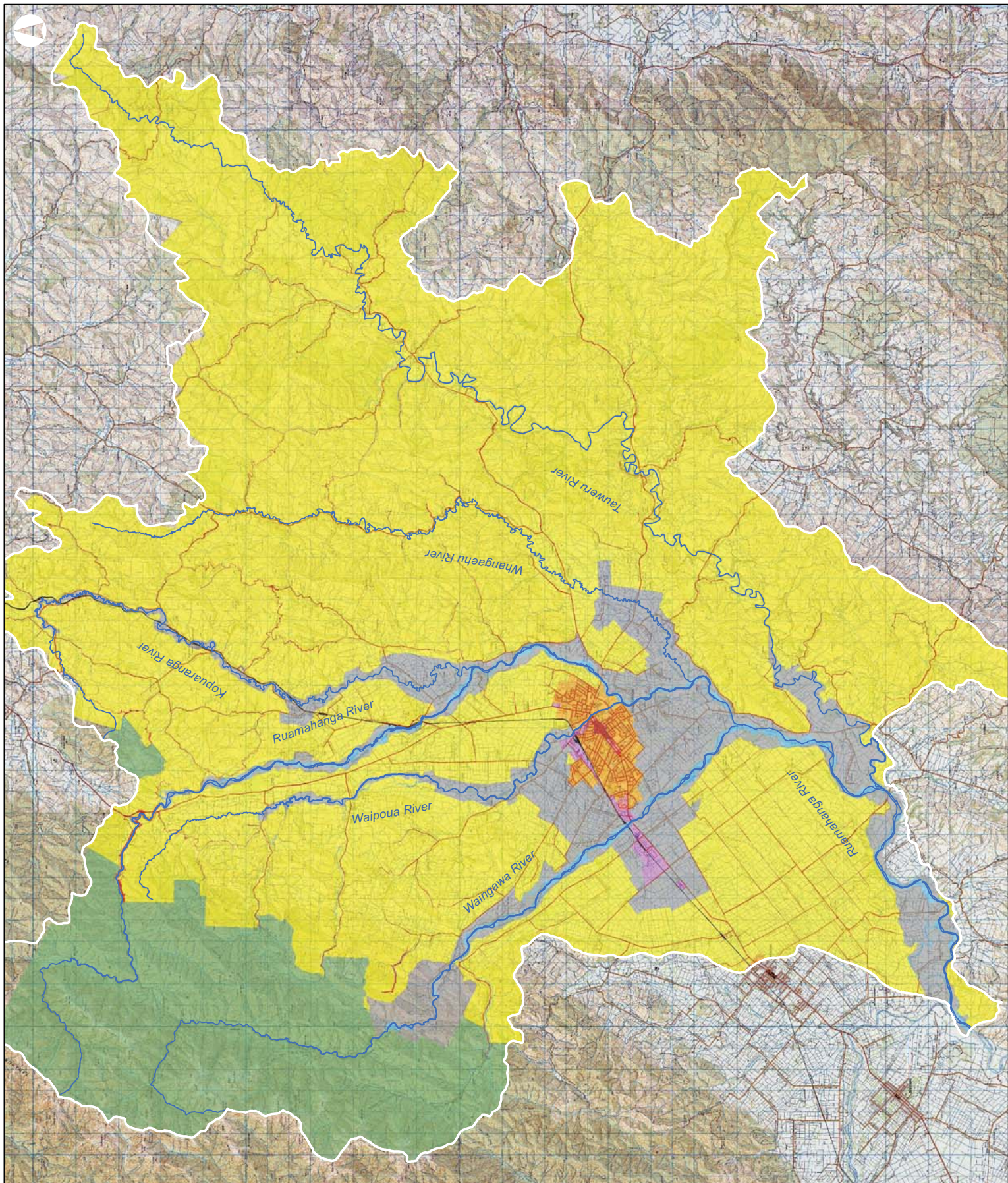
Revision: 1

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- Beef
- Dairy
- Deer
- Grazing
- Sheep
- Mixed Sheep & Beef



1:165,000

TE KAURU
UPPER RUAMAHANGA
FMP MAPPING

LANDUSE & PLANNING

MAP 29
FARM TYPES

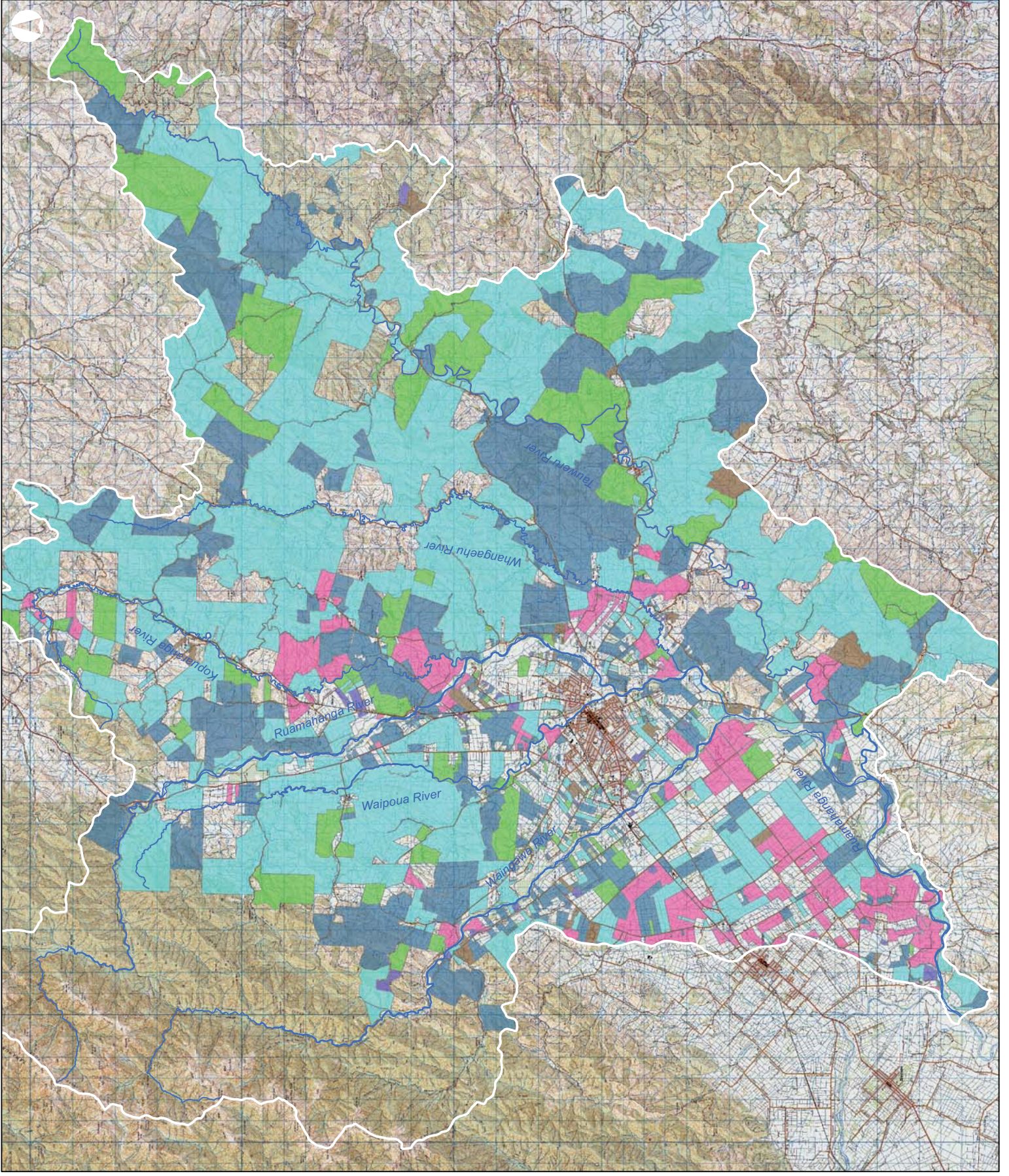
Source :
AgriQuality NZ (Dec 2000)

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DESIGNATIONS

- Flood Protection
- Other Designations

NOTE

Designations include current areas which enable GWRC to maintain, operate, upgrade and protect flood protection works and structures for the Ruamahanga, Waipoua and Waingawa Rivers. In addition other infrastructure works and services are identified such as wastewater treatment plant, state highway and railway line in addition to designations serving other cemetery, amenity, education or recreation purposes.

Identified within Wairarapa Combined District Plan (2013)



1:165,000

TE KAURU
UPPER RUAMAHANGA
FMP MAPPING

LANDUSE & PLANNING

MAP 30 DISTRICT PLAN DESIGNATIONS

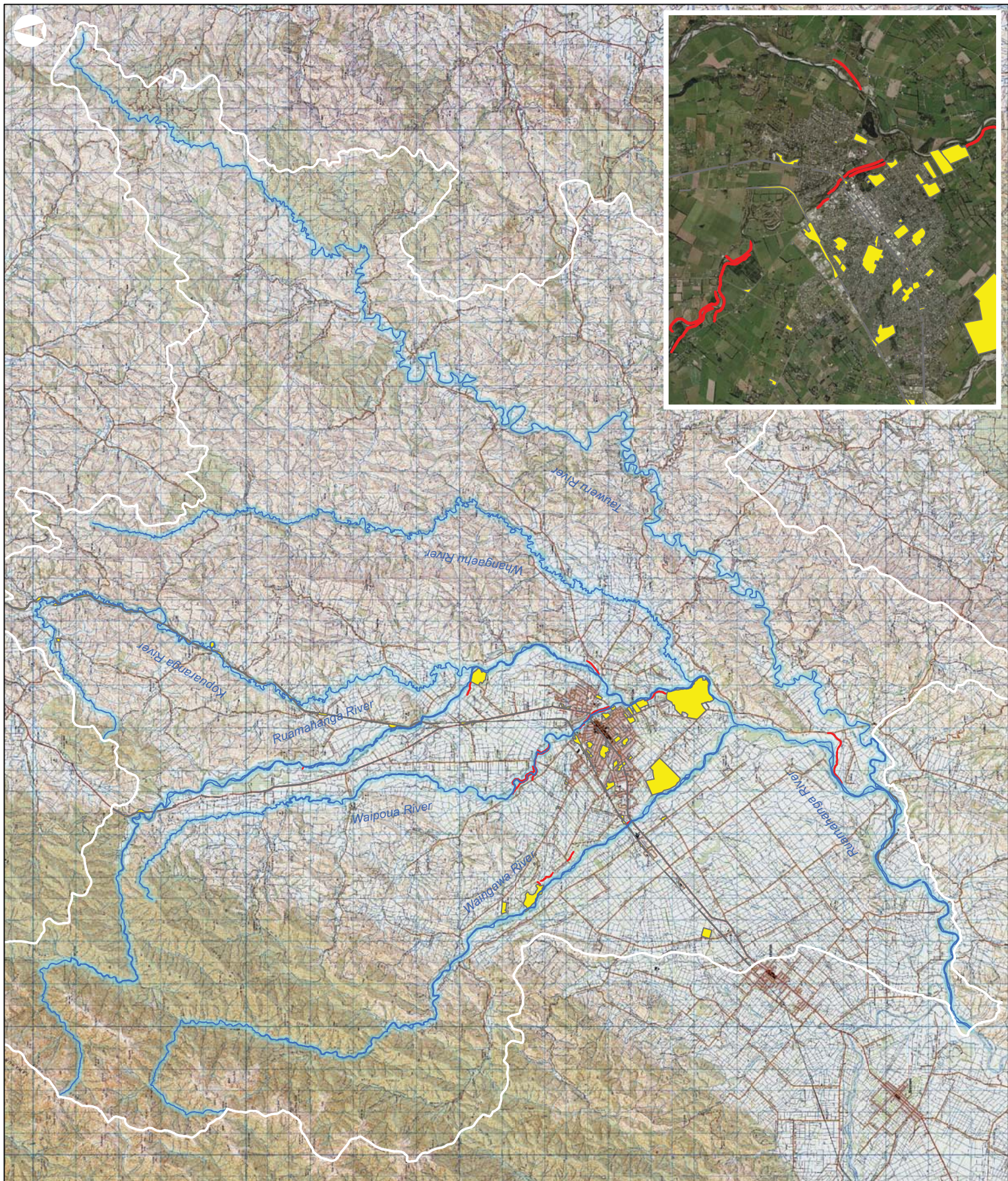
Source :
Wairarapa Combined District Plan (2013)

Date: July 2014
Revision: 1
Plan Prepared for GWRC
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- Linear Assets
- Polygon Assets
- Management Fairways



1:165,000

TE KAURU
UPPER RUAMAHANGA
FMP MAPPING

FLOOD PROTECTION

MAP 31
FLOOD PROTECTION
ASSETS &
DESIGN FAIRWAYS

Source : GWRC (2014)

Date: July 2014

Revision: 1

Plan Prepared for GWRC
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