

CANTERBURY LAND AND WATER REGIONAL PLAN (LWRP)

Incorporating operative Plan Changes 1, 2, 3, 4, 5, 6 and proposed Plan Change 7

Series Sheet A - Map Units

Water Quality Management Units and Water Quality Classes

Rivers*

- Alpine Lower
- Alpine Upland
- Banks Peninsula
- Hill-fed Lower
- Hill-fed Lower Urban
- Hill-fed Upland
- Lake-fed
- Natural State
- Spring-fed Lower Basin
- Spring-fed Plains
- Spring-fed Plains-Urban
- Spring-fed Upland

~~Rivers and streams in areas covered by other regions~~

* These representations of stream and river centrelines may not align with the ground path of actual water bodies.

Lakes

- Large High Country Lake
- Small to Medium High Country Lake
- Artificial On-river Lake
- Artificial Other Lake
- Coastal Lake
- Natural State Lake

Areas where the surface water quality and the beds of rivers to be maintained in a natural state

A river or artificial watercourse that is not identified on the Map Volume: Part 1 - Planning Maps shall have the same Water Quality Management Unit and Water Quality Class as:
(a) the river it flows into; or
(b) the nearest river in the same catchment, if it does not flow into a river.

Freshwater Management Units (FMUs)

Valley and Tributaries FMU

- Valley and Tributaries Zone

Hakataramea FMU

- Flat Zone
- Hill Zone
- River Zone

Upper Waitaki FMU

- Upper Waitaki Hill Zone
- Ahuriri Zone
- Haldon Zone
- Mid Catchment Zone

Northern Fan FMU

- Greater Waikākahi Zone
- Whitneys Creek Zone

Orari Temuka Opihi Pareora FMUs

- Opihi FMU
- Orari FMU
- Pareora FMU
- Temuka FMU
- Timaru FMU

Waimakariri FMUs

- Ashley River/Rakahuri FMU
- Northern Waimakariri Tributaries FMU

Zones and other areas

- Christchurch Groundwater Protection Zone
- Refer to Hurunui Waiau River Regional Plan
- Phosphorus Sediment Risk Area
- Te Waihora Cultural Landscape/Values Management Area - Lake Area

Ashley Estuary (Te Aka Aka) and Coastal Protection Zone

Mātaitai Protection Zone

Rock Art Management Area

Groundwater Provinces

Area of Soils

- Deeper (M, D)
- Extremely light (XL - subset of Shallower)
- Hill (S1 - S4)
- Shallower (XL, VL, L)
- Wetter (Pd, PdL)

Nutrient Allocation Zones

- Lake Zone
- Unclassified
- Water Quality Outcomes Not Met
- At Risk
- Meets Water Quality Outcomes

Nutrient Allocation Sub-Areas

Waihao-Wainono Area

- Waihao-Wainono Hill sub-area
- Waihao-Wainono Plains sub-area

Northern Streams Area

- Northern Streams Hill sub-area: (includes Kohika Hill, Makaki Hill and Otaio Hill)
- Northern Streams Plains sub-area: (includes Horseshoe Plains, Kohika Plains, Makikihi Plains and Otaio Plains)

Morven-Sinclair's Area

- Morven-Sinclair's Plains sub-area

Hinds-Hekeao Area

- Hinds-Rangitata sub-area
- Lower Hinds-Hekeao Plains sub-area
- Upper Hinds-Hekeao Plains sub-area

Nitrate Management Areas

Orari Temuka Opihi Pareora

- Fairlie Basin High Nitrogen Concentration Area
- Levels Plain High Nitrogen Concentration Area
- Rangitata Orton High Nitrogen Concentration Area

Waimakariri

- Nitrate priority area
- Nitrate priority sub-area A
- Nitrate priority sub-area B
- Nitrate priority sub-area C
- Nitrate priority sub-area D
- Nitrate priority sub-area E

Series Sheet B - Map Units

Zones and other areas

- Minimum Flow Sites
- Salmon Spawning Sites
- Rivers Where Damming is Prohibited
- Main and Secondary Hinds Drain
- High Soil Erosion Risk
- Halswell / Huritini Catchment
- Woolston/Heathcote Groundwater Management Zone
- Hinds Coastal Strip Zone
- Indigenous Freshwater Species Habitat
- Inanga Spawning Habitats
- Wairewa Valley Floor Area
- Irrigation Scheme Area
- Surface Water Catchments
- Flow Sensitive Catchment Boundary
- Environmental Flow & Allocation Zones
- Sub Regional Chapter Boundary
- Surface Water Allocation Zones
- Ashley-Waimakariri Plains Area
- Planning Unit Boundary

Groundwater Allocation Zones

- Groundwater Allocation Zones
- Conjunctive Use Zone
- Upper Coopers

Combined Surface & Groundwater Allocation Zones

- Little Rakaia
- Rakaia-Selwyn
- Selwyn-Waimakariri

High Naturalness Waterbodies

- High naturalness rivers, including tributaries
- High naturalness lakes

Aquifer systems & sediments

- Coastal Confined Gravel Aquifer System
 - Semi-confined or unconfined aquifers
- (Remaining non-coloured areas contain mainly non-alluvial sediments)

High Runoff Risk Phosphorus Zone

Flow Protection Zones

- Hook River
- Makikihi River
- Otaio River
- Sir Charles Creek
- Upper Waimate Creek
- Waihao River
- Wainono Arm