

HOROWHENUA CATCHMENT

STATE OF ENVIRONMENT SUMMARY 2019

Publish date: September 2019

MAIN WATER BODIES

Lake Horowhenua, Lake Waiwiri (Papaitonga), Ōhau River, Waikawa Stream

CLIMATE AND AIR

Mean annual rainfall ranges from around **900 mm** near the coast to over **2,000 mm** in the Tararua Range.

Potential climate impact: The frequency of extreme winds is likely to increase in the lower North Island.

Air quality is not currently monitored in the Horowhenua.

LAND

CATCHMENT AREA: **39,500 hectares**

HIGHLY ERODIBLE LAND:
76 ha

1% OF THE CATCHMENT

VERSATILE SOILS:
5,143 ha

13% OF THE CATCHMENT

LAND USE:

16% Sheep and/or beef
35% Native cover
19% Dairy
7% Forestry
23% Other



BIODIVERSITY

KNOWN WETLANDS:
682 ha

33
SITES

KNOWN BUSH REMNANTS:
2,312 ha

32
SITES

GROUNDWATER QUALITY

PREDOMINANT TYPE: **OXIDISING**

8

BORES MONITORED QUARTERLY FOR GROUNDWATER QUALITY

20

BORES SURVEYED MONTHLY FOR GROUNDWATER LEVEL

0% OF SITES SHOW DECLINING WATER LEVELS

25% OF SITES SHOW INCREASING WATER LEVELS

WATER QUANTITY

0 COMMERCIAL HYDROELECTRICITY SCHEMES

1

GROUND WATER MANAGEMENT ZONE

HOROWHENUA **14%** ALLOCATED

6

WATER MANAGEMENT ZONES AND **8** SUB ZONES, OF WHICH:

8

HAVE WATER AVAILABLE

0

ARE WITHIN 95 - 100% OF TOTAL ALLOCATION

0

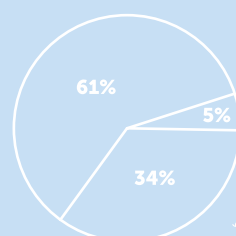
OVER-ALLOCATED

WATER USE

EXCLUDING HYDROELECTRICITY

CONSENTED WATER USE:

61% Agriculture and Horticulture
34% Municipal
5% Industry/Other



LAKES

LAKES OVER 1 HECTARE IN SIZE: **11**

2

LAKES SURVEYED FOR ECOLOGICAL HEALTH USING LAKESPI

0

EXCELLENT HEALTH

0

MODERATE - HIGH HEALTH

2

NON-VEGETATED OR POOR HEALTH

ESTUARIES AND COAST

TOTAL NUMBER OF ESTUARIES: **5**

VULNERABILITY TO SEDIMENT AND NUTRIENTS

LOW-MODERATE

3

MODERATE

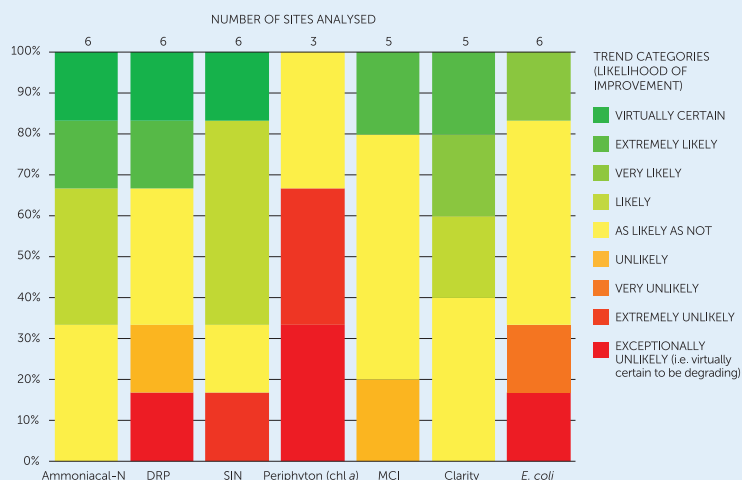
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MODERATE-HIGH

2

RIVER WATER QUALITY

PROPORTION OF SITES SHOWING IMPROVING TRENDS FOR THE 10 YEAR PERIOD ENDING JULY 2017



STATE COMPARED TO ONE PLAN TARGETS



SWIM SPOTS

Proportion of the length of large rivers (Order 4 and above) in the catchment currently assessed as suitable for swimming under the National Policy Statement for Freshwater Management (**NPS-FM**): **73%**

TOTAL STREAM LENGTH IN THE CATCHMENT:
614 km

TOTAL STREAM LENGTH FOR LARGE RIVERS (> ORDER 4):
70 km