

# RANGITĪKEI CATCHMENT

## STATE OF ENVIRONMENT SUMMARY 2019

Publish date: September 2019

### MAIN WATER BODIES

Rangitīkei River, Porewa and Hautapu Rivers, Lake Moawhango, coastal lakes

### CLIMATE AND AIR

Mean annual rainfall ranges from around **800 mm** near the coast to over **2,000 mm** in the ranges.

**Potential climate impact:** The Rangitīkei catchment is likely to experience higher evapotranspiration resulting in less recharge to aquifers and less soil moisture, particularly near Taihape.

The air quality monitoring site in Taihape currently meets the national standard for air quality and are expected to improve as more homes switch to more efficient heating sources.

### LAND

CATCHMENT AREA: **426,400 hectares**

HIGHLY ERODIBLE LAND:  
**30,263 ha**

**7%** OF THE CATCHMENT

VERSATILE SOILS:  
**49,411 ha**

**12%** OF THE CATCHMENT

LAND USE:

**46%** Sheep and/or beef  
**37%** Native cover  
**7%** Dairy  
**2%** Forestry  
**8%** Other



### BIODIVERSITY

KNOWN WETLANDS:  
**1,825 ha**

**64** SITES

KNOWN BUSH REMNANTS:  
**6,045 ha**

**118** SITES

### GROUNDWATER QUALITY

PREDOMINANT TYPE: **REDUCING**

**5**

BORES MONITORED QUARTERLY FOR GROUNDWATER QUALITY

**26**

BORES SURVEYED MONTHLY FOR GROUNDWATER LEVEL

**31%** OF SITES SHOW **DECLINING WATER LEVELS**

**19%** OF SITES SHOW **INCREASING WATER LEVELS**

### WATER QUANTITY

**2** COMMERCIAL HYDROELECTRICITY SCHEMES

**2**

GROUND WATER MANAGEMENT ZONES

RANGITĪKEI **67%** ALLOCATED

NORTHERN RANGITĪKEI UNSPECIFIED

**6**

WATER MANAGEMENT ZONES AND **16** SUB ZONES, OF WHICH:

**9**

HAVE WATER AVAILABLE

**6**

ARE WITHIN 95 - 100% OF TOTAL ALLOCATION

**1**

OVER-ALLOCATED

### WATER USE

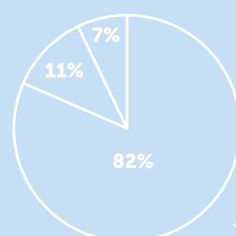
EXCLUDING HYDROELECTRICITY

CONSENTED WATER USE:

**82%** Agriculture and Horticulture

**7%** Municipal

**11%** Industry/Other



### LAKES

LAKES OVER 1 HECTARE IN SIZE: **49**

**11**

LAKES SURVEYED FOR ECOLOGICAL HEALTH USING LAKESPI

**1**

EXCELLENT HEALTH

**7**

MODERATE – HIGH HEALTH

**3**

NON-VEGETATED OR POOR HEALTH

### ESTUARIES AND COAST

TOTAL NUMBER OF ESTUARIES: **10**

VULNERABILITY TO SEDIMENT AND NUTRIENTS

LOW-MODERATE

**10**

MODERATE

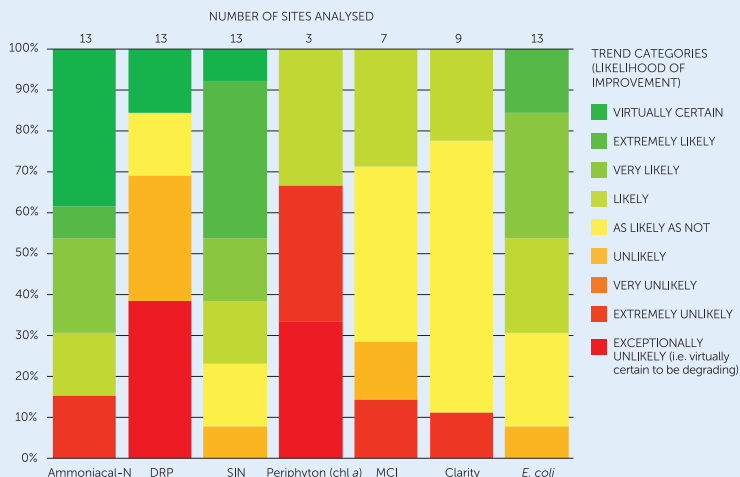
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MODERATE-HIGH

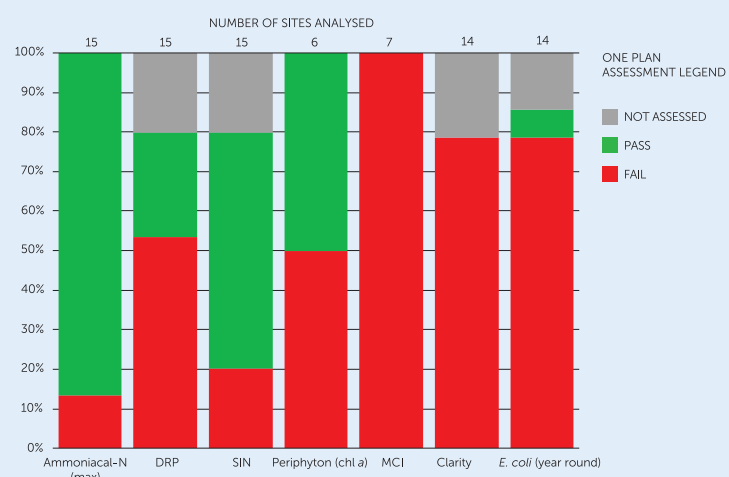
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### RIVER WATER QUALITY

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**): **68%**

TOTAL STREAM LENGTH IN THE CATCHMENT:  
**6,726 km**

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