

## Central and East Northland

### Lake Waingaro (Central Northland), NRC Lake No. 167



Lake Waingaro showing the dam edge and planted pines.

**Summary** from 2001 survey

#### Overall ranking

**Moderate-Low:** This artificially dammed reservoir has limited ecological value.

#### Threats

Probably low impact of invasive species due to steep topography.

#### Management recommendations

No monitoring.

#### Description

This reservoir (1679774E, 6097659N) is formed from a dam on the Waiwhakangarongaro Stream. The lake is 22 ha in size and over 10 m deep. Surrounding catchment is mostly pasture and forest. The reservoir is closed to the public with no boat access.

#### Wetland vegetation

Emergent vegetation is absent due to the steep topography and exposed nature of the lake.

#### Submerged vegetation

An open charophyte meadow (predominantly *Nitella pseudoflabellata* and *N. sp. aff. cristata*) extended from 0.5 to 6.4 m deep with scattered plants of *Potamogeton ochreatus* emerged from this vegetation (up to 1m tall) at low density extending to 6.7 m.

## LakeSPI

LakeSPI score is not generated from previous survey data.

## Water birds

The restricted emergent vegetation would provide limited water bird habitat, but the lake is fairly isolated. Only common species were recorded in the recent survey.

## Fish

No fish were seen. The coarse fish tench (*Tinca tinca*) was recorded on the NIWA FBIS database.

## Aquatic invertebrates

No invertebrates were recorded.

## Endangered species

No threatened species were reported.

## Lake Ecological Value

Lake Ecological Value score for Lake Waingaro is estimated as 4 "Moderate-Low". Diversity is low, but charophyte meadows extend to 6.4 m deep.

## Threats

Lake Waingaro is very unlikely to have any weed introductions under current management conditions because there is no public access. *Egeria densa* was sampled in neighbouring streams and dams but should this or other weeds establish the probable impact would be low due to steep topography.

## Management recommendations

No monitoring.