

Memo

Date	20 May 2019
To	Andrea Richardson - Senior Planner
CC	Carl Hanson - Groundwater Science Manager
From	Matt Smith - Principal Consents Planner & Fouad Alkhaier - Senior Scientist: Groundwater

Proposed amendments to the boundary of Rakaia-Selwyn Combined Surface and Groundwater Allocation Zone

The issue

The boundary of the Combined Surface and Groundwater Allocation Zone for Rakaia-Selwyn as shown in the Land and Water Regional Plan (LWRP) Planning Maps (2014), finishes at approximately the edge of lake Te Waihora/Lake Ellesmere. The boundary however does not go precisely with the lake's edge. This leaves some wells located on the lake side out of any groundwater allocation zone. An example of this situation is presented in figure 1.

Proposed solution

For the Omnibus Plan Change 2019, we recommend creating a 100m buffer inward from the lake shore to include any potential well that can be drilled there, as in figure 2.

Impact

The revisions to the LWRP Planning Maps will ensure that every well in this area belongs to an allocation zone.

External review:	Carl Hanson, Groundwater Science Manager	May, 2019
Approved for release:	Tim Davie, Chief Scientist	May, 2019



Figure 1: the current boundary of the Rakaia-Selwyn Combined Surface and Groundwater Allocation Zone

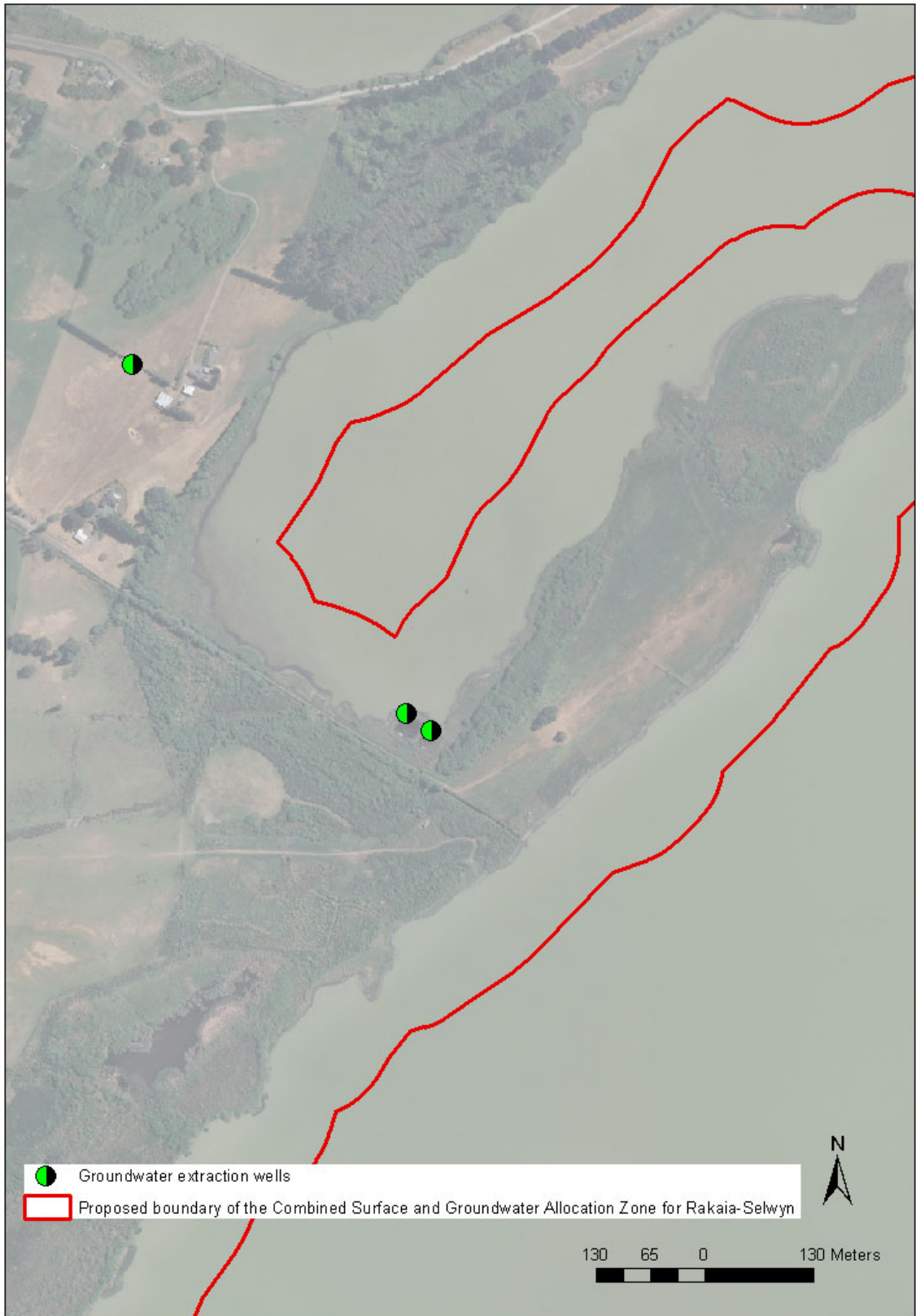


Figure 2. the proposed boundary of the Rakaia-Selwyn Combined Surface and Groundwater Allocation Zone