

3. Schedule of human use values of Otago’s aquifers

Schedule 3A identifies the uses of groundwater from particular aquifers in Otago. These aquifers are identified on the C-series maps. Schedule 3B identifies the location of groundwater takes for the purpose of community water supply. The identification of these human use values provides a mechanism for recognising the existence of values which need to be taken into account and given appropriate protection in managing the taking of water and discharge of contaminants (see Policy 9.4.1). The opportunity to provide such protection will arise when considering applications for resource consents for these activities.

Those that utilise the groundwater do take the risk that it may not be suitable for human consumption due to the presence of contaminants.

3A Schedule of human uses of particular aquifers

Aquifer	Map	Values
Lower Waitaki Plains Aquifer	C15, C16 & C17	<ul style="list-style-type: none"> – Human consumption without treatment – Stock drinking water supply and farm dairy water.
Papakaio Aquifer	C15 & C17	<ul style="list-style-type: none"> – Irrigation
North Otago Volcanic Aquifer	C15, C16, C17 & C18	<ul style="list-style-type: none"> – Irrigation
Kakanui-Kauru Alluvium Aquifer	C17 & C18	<ul style="list-style-type: none"> – Human consumption without treatment – Stock drinking water supply and farm dairy water – Irrigation
Shag Alluvium Aquifer	C19	<ul style="list-style-type: none"> – Human consumption without treatment – Human consumption with treatment – Stock drinking water supply – Irrigation
Ettrick Basin Aquifer	C21	<ul style="list-style-type: none"> – Human consumption without treatment – Stock drinking water supply and farm dairy water – Irrigation
Roxburgh Basin Aquifer	C20	<ul style="list-style-type: none"> – Human consumption without treatment – Stock drinking water supply – Irrigation – Industrial
Lower Taieri Aquifer	C24 & C25	<ul style="list-style-type: none"> – Human consumption without treatment – Stock drinking water supply and farm dairy water – Irrigation – Industrial

SCHEDULE 3: HUMAN USE VALUES OF AQUIFERS

3B Schedule of groundwater takes for the purpose of community water supply

Site No.	Community Water Supply Takes (at NZMS 260 Series Map Grid Reference)	Rate (litres per second) and volume (cubic metres per day) authorised
1*	Glenorchy Water Supply at E41:459-841.	63 l/s; 5400 m ³ /day
2*	Arthurs Point Water Supply at E41:686-713.	49 l/s; 3385 m ³ /day
3*	Dalefield Water Supply at F41:739-724.	6 l/s; 300 m ³ /day
4*	Arrowtown Water Supply at: F41:806-773; F41:808-774; and F41:809-774.	108 l/s; 7800 m ³ /day
5*	Cromwell Water Supply at G41:119-671.	210 l/s; 18,000 m ³ /day
6*	Alexandra Water Supplies at: G42:253-444; G42:263-454; and G42:271-442	420 l/s; 21,600 m ³ /day 12.5 l/s; 675 m ³ /day 4 l/s; 345 m ³ /day
7*	Roxburgh Water Supply at G43:210132.	58 l/s; 3000 m ³ /day
8*	Dunedin and Outram Water Supplies at: I44:956-803; I44:956-805; and I44:956-804.	Combined total take of 382 l/s; 33,000 m ³ /day
11	Owaka Water Supply at H46:533-124.	4.4 l/s; 380 m ³ /day
12	Mosgiel Water Supply at: I44:048-789; I44:042-779; I44:036-776; I44:048-789; I44:036-788*; I44:051-787; I44:032-782; I44:051-789; and I44:042-784.	The combined total take shall not exceed 10,104 m ³ /day.
13*	Clydevale-Pomahaka Water Supply at G45:417-507.	60 l/s; 5160 m ³ /day

* Point of take located within 100 metres of a surface water body.