

SCHEDULE 16: DISCHARGE THRESHOLDS

16 Schedule of permitted activity discharge thresholds for water quality

Schedule 16 describes the thresholds that apply to discharges permitted under Rule 12.C.1.1A in the catchments of each discharge threshold area. Discharge Threshold Areas 1 and 2 catchments are shown on the J-series Maps.

16A Permitted activity discharge thresholds for water quality by discharge threshold area

Discharge Threshold Area 1 Catchments	Nitrate-nitrite nitrogen	Dissolved reactive phosphorus	Ammoniacal nitrogen	<i>Escherichia coli</i>
Timeframe	1 April 2020			
<ul style="list-style-type: none"> ▪ Catlins ▪ Careys Creek ▪ Kaikorai ▪ Leith ▪ Mokoreta (within Otago) ▪ Owaka ▪ Pomahaka, downstream of Glenken ▪ Tahakopa ▪ Tokomairiro ▪ Tuapeka ▪ Waitahuna ▪ Waitati ▪ Waiwera ▪ Any unlisted tributary on the true right bank of the Clutha/Mata-Au, south of Judge Creek ▪ Any unlisted tributary on the true left bank of the Clutha/Mata-Au, south of the Tuapeka ▪ Any unlisted catchment that discharges to the coast, south of Taieri Mouth 	3.6 mg/l	0.045 mg/l	0.2 mg/l	550 cfu/100 ml

SCHEDULE 16: DISCHARGE THRESHOLDS

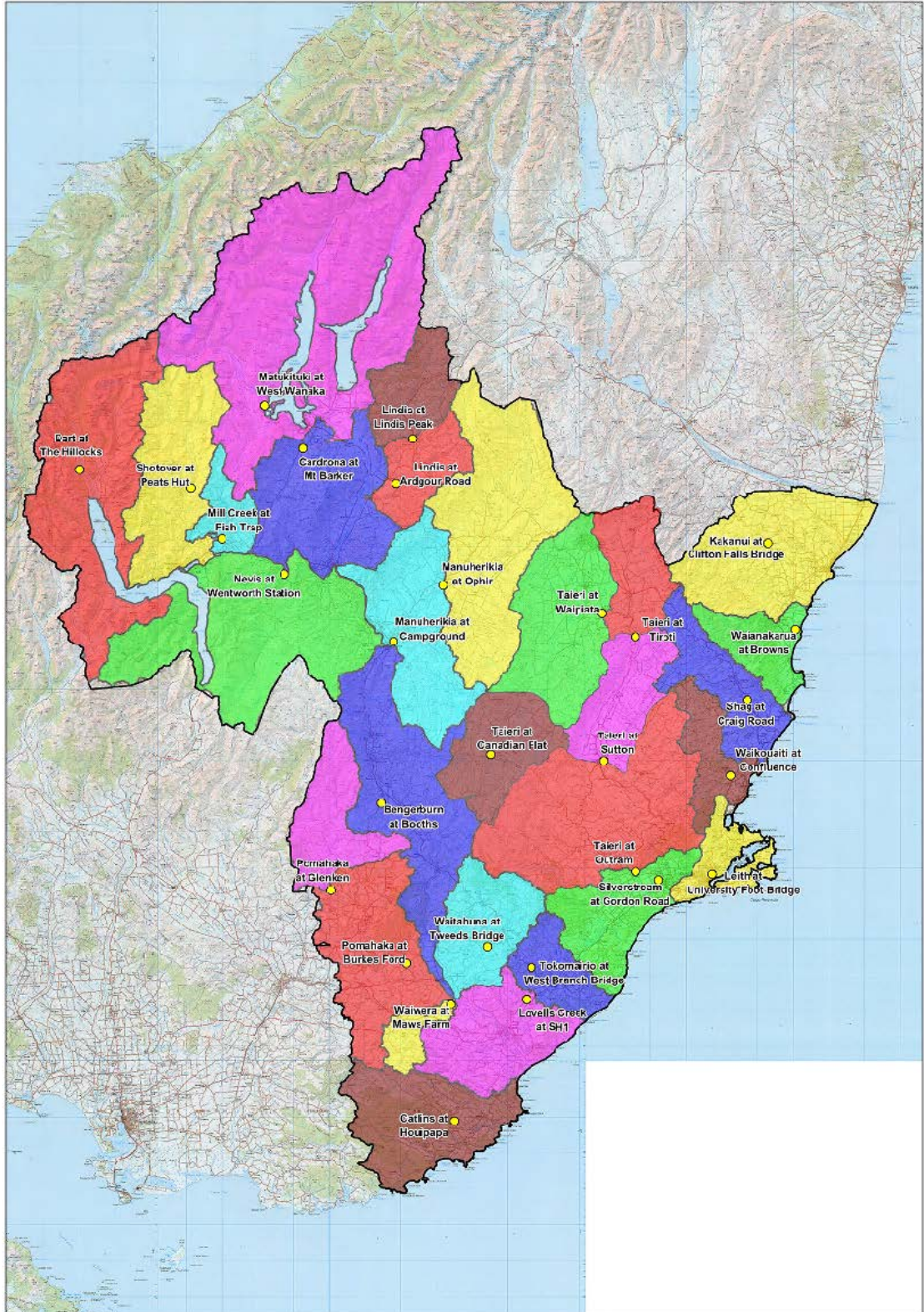
Discharge Threshold Area 2 Catchments	Nitrate-nitrite nitrogen	Dissolved reactive phosphorus	Ammoniacal nitrogen	<i>Escherichia coli</i>
Timeframe	1 April 2020			
<ul style="list-style-type: none"> ▪ Cardrona ▪ Clutha/Mata-Au (above Luggate) ▪ Clutha/Mata-Au and any unlisted tributary (Luggate to mouth, including Lake Roxburgh, and excluding tributaries described in Discharge Threshold Catchment Area 1) ▪ Fraser ▪ Kakanui ▪ Kawarau ▪ Lake Dunstan ▪ Lake Hayes ▪ Lake Hawea and any tributary ▪ Lake Johnson ▪ Lake Onslow ▪ Lake Tuakitoto ▪ Lake Waipori & Waihola ▪ Lake Wakatipu and any tributary ▪ Lake Wanaka and any tributary ▪ Lindis ▪ Luggate ▪ Manuherikia ▪ Mill Creek (tributary to Lake Hayes) ▪ Pomahaka, upstream of Glenken ▪ Shag ▪ Shotover ▪ Taieri ▪ Trotters ▪ Waianakarua ▪ Waikouaiti ▪ Waipori ▪ Waitaki tributaries within Otago ▪ Any unlisted catchment that discharges to the coast, north of Taieri Mouth 	1.0 mg/l	0.035 mg/l	0.2 mg/l	550 cfu/100 ml

mg/l = milligrams per litre

cfu/100 ml = colony-forming units per 100 millilitres

16B Representative flow monitoring sites and reference flows

Map 16B Representative flow monitoring sites for every part of Otago
 Representative flow monitoring sites are shown on the Water Info website (<http://water.orc.govt.nz/WaterInfo/Default.aspx>).



SCHEDULE 16: DISCHARGE THRESHOLDS

Table 16B Reference flows at each representative flow monitoring site

Reference flows are fixed and have been calculated using median flow data from 01/01/2007 to 01/01/2013. River flows for Otago are available on the Water Info website (<http://water.orc.govt.nz/WaterInfo/Default.aspx>).

Monitoring Flow Site	Reference flow (cumecs)
Bengerburn at Booths	0.37
Cardrona at Mt Barker	1.95
Catlins at Houipapa	2.34
Dart at The Hillocks	51.49
Kakanui at Clifton Falls Bridge	1.29
Leith at University Foot Bridge	0.34
Lindis at Ardgour Road	3.50
Lindis at Lindis Peak	3.51
Lovells Creek at SH1	0.14
Manuherikia at Campground	11.60
Manuherikia at Ophir	8.01
Matukituki at West Wanaka	44.99
Mill Creek at Fish Trap	0.35
Nevis at Wentworth Station	7.25
Pomahaka at Burkes Ford	15.48
Pomahaka at Glenken	7.00
Shag at Craig Road	0.65
Shotover at Peats	18.12
Silverstream at Gordon Road	0.30
Taieri at Canadian Flat	2.45
Taieri at Outram	15.86
Taieri at Sutton	10.52
Taieri at Tiroiti	7.88
Taieri at Waipiata	6.02
Tokomairiro at West Branch Bridge	0.44
Waiakarua at Browns	0.78
Waikouaiti at Confluence	1.34
Waitahuna at Tweeds Bridge	1.55
Waiwera at Maws Farm	1.58