

OHAU DOWNS - PROPOSED CONDITIONS FOR CRC100225 (7 APRIL 2010)

Works	
1)	<p>The works shall be limited to:</p> <p>(a) The construction, use and maintenance of:</p> <ul style="list-style-type: none"> (i) a intake gallery 140 metres long, 1 metre wide and 3.3 metre deep; (ii) a 0.8 metre diameter pipeline; and (iii) pumping stations. <p style="padding-left: 40px;">under the bed and banks of Lake Ohau.</p> <p>(b) The excavation and disturbance of the bed and banks of Lake Ohau associated with the activity described in condition (1)(a) including:</p> <ul style="list-style-type: none"> (i) a 3.3 metre deep, 4 metre wide and 150 metre long trench for the installation of the intake gallery; (ii) 2 metre wide trench for the installation of the pipeline; and (iii) excavation for the installation of pumping stations. <p>(c) The removal of vegetation on the banks of Lake Ohau to allow the installation of the pipeline and pumping stations.</p> <p>(d) The temporary deposition of excavated material on the bed and shoreline of Lake Ohau.</p> <p>(e) Maintenance of the gallery, pipeline and pumping stations.</p> <p>Note: For the purposes of this consent "maintenance" as described in condition (1)(e) of this consent includes, but is not limited to, repairs to the gallery, pipeline and pumping stations.</p>
2)	The works carried out in accordance with condition (1) shall be located at Lake Ohau, between map references NZMS 260 H38:6557-5344, NZMS 260 H38:6564-5358 and NZMS 260 H38:6580-5344, within the area detailed on Plan CRC100225A.
3)	The works shall be undertaken in accordance with the attached design plans CRC100225B and CRC10025C, which form part of this consent.
4)	Prior to commencing works, a copy of this resource consent shall be given to all persons undertaking activities authorised by this consent.
5)	The Canterbury Regional Council, Attention: RMA Compliance and Enforcement Manager, shall be notified not less than 3 working days prior to the commencement of works described in condition (1)(a)-(d) and as soon as practicable in relation to works associated with condition (1)(e).
6)	<p>(a) The duration of the works to undertake the activities authorised by condition (1)(a)-(d) shall not exceed 15 working days.</p> <p>(b) The consent holder shall advise the Canterbury Regional Council Attention: RMA Compliance and Enforcement Manager if condition (a) will not be met and provide reasons for this.</p>
7)	<p>(a) Works shall not be carried out on public holidays, nor on public holiday weekends.</p> <p>(b) Works shall only occur during the hours of 7am to 7pm.</p>
8)	All practicable measures shall be undertaken to minimise adverse effects on property, amenity values, wildlife, vegetation, and ecological values.
Access	

9)	Access to the lake to undertake the works shall be via the existing farm track.
10)	Where access to the margins of Lake Ohau is restricted due to works described in condition (1), the consent holder shall provide an alternative access route to the margins of Lake Ohau.
Erosion and sediment control	
11)	Works shall be undertaken to avoid, remedy or mitigate erosion of, or instability to the bed and banks of Lake Ohau.
12)	(a) The consent holder shall take all practicable steps to avoid cement material entering Lake Ohau including waste wash water from tools and machinery. (b) Cement shall be stored securely or removed from site overnight.
13)	When undertaking works on the banks of Lake Ohau, the consent holder shall adopt the best practicable options to: (a) Minimise soil disturbance and prevent soil erosion; (b) Prevent sediment from flowing into any surface water; and (c) Avoid placing cut or cleared vegetation, debris, or excavated material in a position such that it, or any leachate from it, may enter surface water. Note: Refer to Chapters 6 and 7 of Environment Canterbury Erosion and Sediment Control Guidelines (Report R06/23, February 2007).
14)	Water shall be removed from the gallery trench to minimize sediment movement through the bund during construction of the gallery, during removal of the bund and for the lesser of 5 days after completion of works or until the gallery water clears. It shall be transported off-site and disposed of on the consent holder's land in a manner that does not discharge into any waterways. The quantity of water transported off-site shall not exceed 10m ³ /day.
Construction	
15)	(a) All practicable measures shall be undertaken to prevent oil and fuel leaks from vehicles and machinery. (b) There shall be no storage of fuel or refuelling of vehicles and machinery within 20 metres of the bed of a river or lake. (c) Fuel shall be stored securely or removed from site overnight.
16)	Machinery shall be free of plants and plant seeds prior to use in Lake Ohau.
17)	Before gallery construction begins, a temporary bund, up to 4 m wide, shall be installed on the lake bed beyond and parallel to the proposed gallery trench. The bund shall be constructed from material from the lakebed or lake shoreline.
18)	If within 2 days of constructing the bund, water quality on the lake side of the bund is not consistent with the quality of water on the lake shoreline 500 m south west of the bund at or about NZMS 260 H:38653-565, armouring of the bund on the lake side using clean gravel shall be carried out.
19)	Material excavated from the gallery and pipeline trench shall be screened on site and the screened material used to provide bedding for the gallery and pipelines. The remaining lakebed material shall be placed over the screened backfill. Excess material shall be removed from site or used to reform the lake foreshore.
20)	If the excavated material dries out during screening, water shall be applied to the material to prevent dust.
21)	Works are to cease in severe weather conditions if wave action causes water to break over the bund wall. Works can continue when severe conditions subside.
22)	The bund shall be removed at the completion of works and the lake bed and shoreline shall be restored to a condition similar to that existing before construction began. Bund material

	will be used for the reconstruction of the lakebed and shoreline. Excess material will be removed
23)	The consent holder shall ensure that works do not prevent the passage of fish or cause the stranding of fish in pools.
Maintenance	
24)	The infrastructure shall be maintained to ensure proper functionality.
25)	Cleaning of the gallery using compressed air: (a) shall not be undertaken during calm lake conditions; (b) shall not be undertaken during weekends; (c) shall only be undertaken subject to condition (7).
26)	The consent holder shall ensure that the use of the pump station associated with this consent does not exceed an operational noise level of 40dBA.
Ecology	
27)	(a) Vehicles and/or machinery shall not operate within 100 metres of birds which are nesting or rearing their young on the banks of Lake Ohau. (b) For the purposes of this condition birds are defined as those bird species listed in Appendix A.
28)	Works shall not occur during the period of 1 August to 31 October inclusive, in any year.
29)	To prevent the spread of Didymo or any other aquatic pest, the consent holder shall ensure that activities authorised by this consent are undertaken in accordance with the Biosecurity New Zealand's hygiene procedures. Note: You can access the most current version of these procedures from the Biosecurity New Zealand website http://www.biosecurity.govt.nz or Environment Canterbury Customer Services.
30)	(a) All disturbed areas shall be stabilised and/or revegetated following completion of the works. (b) All spoil and other waste material from the works shall be removed from site on completion of works.
Discovery protocol	
31)	In the event of any disturbance of Koiwi Tangata (human bones) or taonga (treasured artefacts), the consent holder shall immediately: (a) Advise the Canterbury Regional Council of the disturbance; (b) Advise the Upoko Runanga of Arowhenua, Moeraki and Waihao, or their representative, and the New Zealand Historic Places Trust, of the disturbance; and (c) Cease earthmoving operations in the affected area until an area has been marked off around the site, and Kaumatua and archaeologists have given approval for the earthmoving to recommence. Note: This condition is in addition to any agreements that are in place between the consent holder and the Upoko Runanga (Cultural Site Accidental Discovery Protocol) or the New Zealand Historic Places Trust.
Fish Screen	
32)	The consent holder shall ensure that water is abstracted using a gallery intake and shall be designed to prevent native and exotic fish species from entering the system. The fish screen

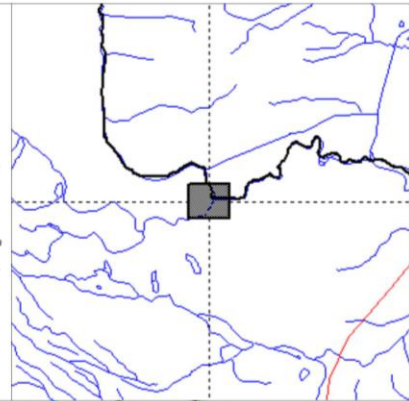
	shall be designed and constructed in a manner that ensures the principals of the NIWA fish screening guidelines are achieved.
33)	<p>Upon completion of the intake structure a report to the Canterbury Regional Council shall be prepared by the consent holder for certification, the report shall demonstrate compliance with the following:</p> <ul style="list-style-type: none"> (a) Design plan for the gallery specifying gallery dimensions; (b) Detail of depths and sizes of layers of gravel over the gallery; (c) Photographic evidence of key stages of construction of the gallery; (c) Any ongoing maintenance required by the manufacturer is carried out in accordance with their specifications.
Review and lapse	
34)	The Canterbury Regional Council may, once per year, on any of the last five working days of May or November, serve notice of its intention to review the conditions of this consent for the purposes of dealing with any adverse effect on the environment which may arise from the exercise of the consent and which it is appropriate to deal with at a later stage.
35)	The lapsing date for the purposes of section 125 shall be 31 March 2015.
<p>APPENDIX A LIST OF BIRD SPECIES</p> <p>South Island Pied Oystercatcher Black Stilt Pied Stilt Wrybill Banded Dotterel Black-fronted Dotterel Spur-winged Plover Paradise Shelduck Grey Duck NZ Shoveler Grey Teal NZ Scaup Black-billed Gull Red-billed Gull Caspian Tern White-fronted Tern Black-fronted Tern White-winged Black Tern Australasian Bittern Marsh Crake Spotless Crake Cormorant/shag colonies</p>	

Plan CRC100225A
Five Rivers Limited

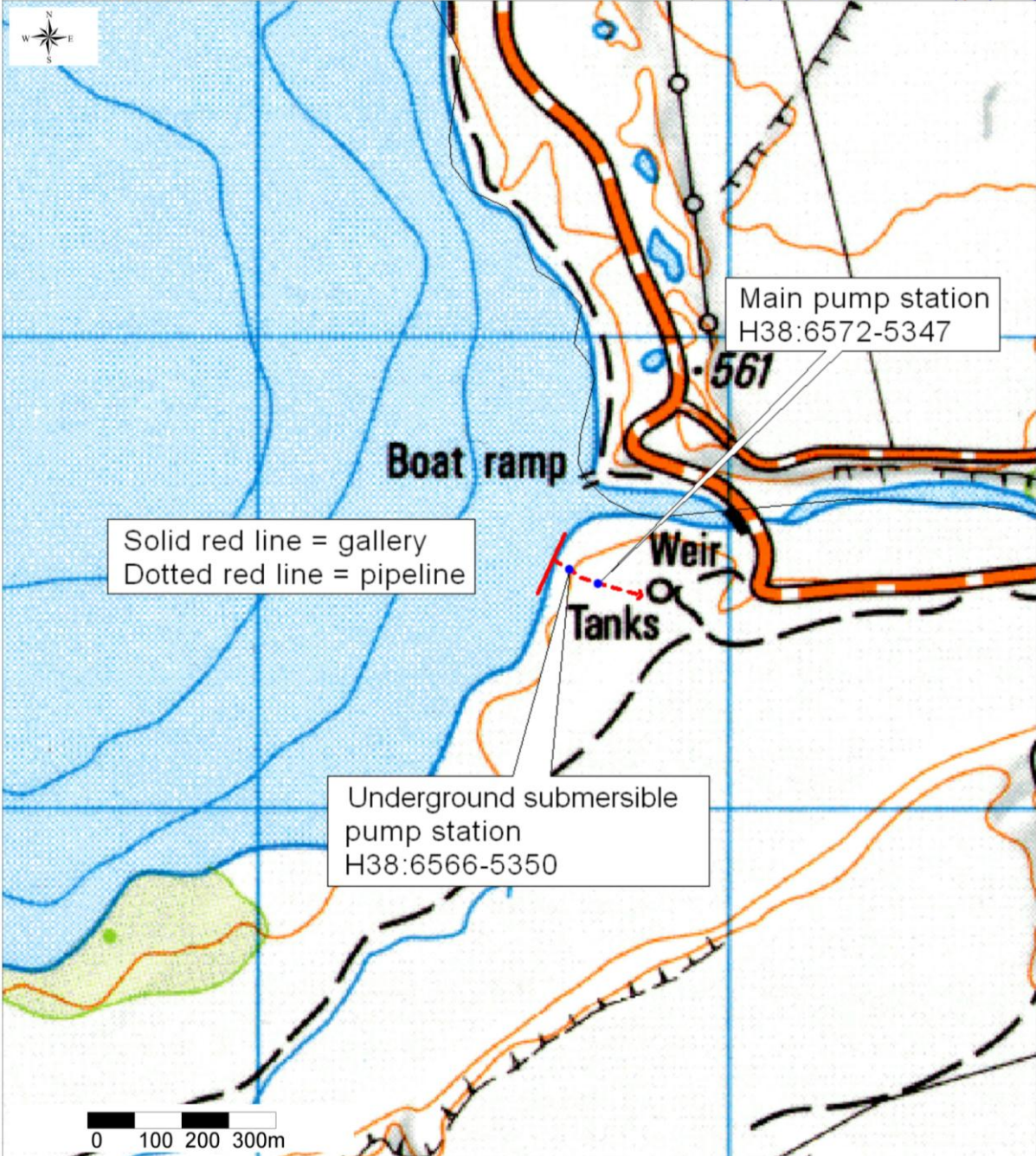
Produced by: susannah
Date: 24/02/2010 9:03:16 a.m.
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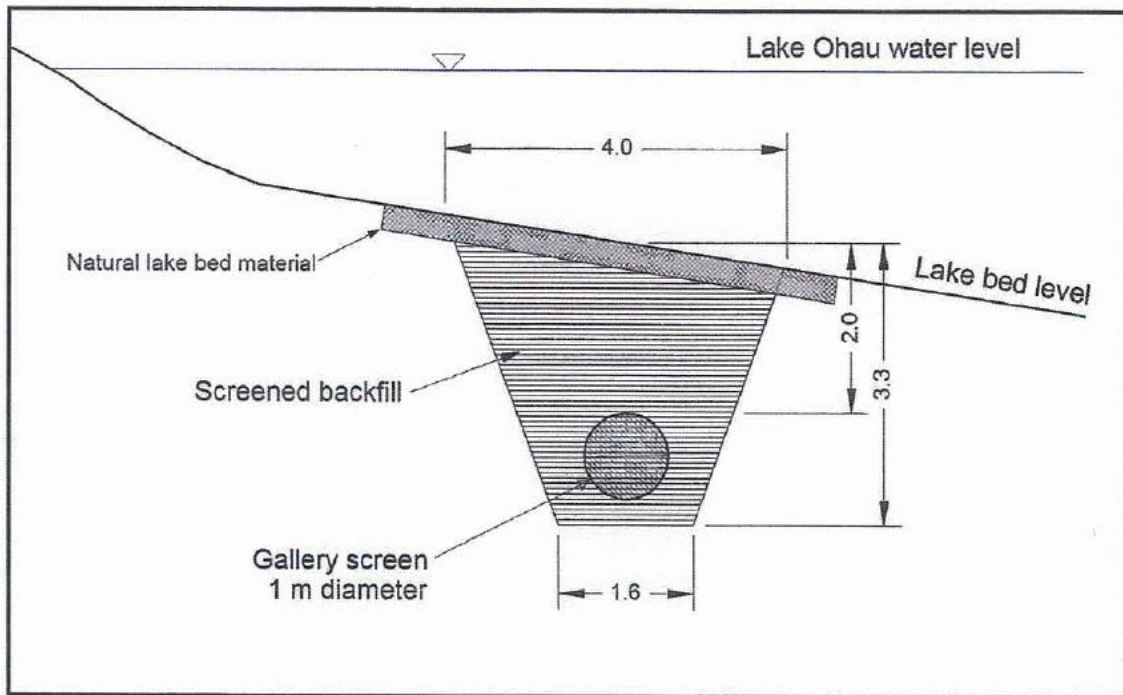
TLA BOUNDARIES



Location of proposed works



Plan CRC100225B



Plan CRC100225C

