

Application for Gravel Extraction (PART B)



This application is made under Section 88 of the Resource Management Act 1991

A complete Part A form needs to be provided with this Part B form. The purpose of this Part B form is to provide applicants with guidance on information that is required under the Resource Management Act 1991. These forms are to act as a guide only and Environment Southland reserves the right to request additional information. **Please also refer to Appendix A of the Regional Water Plan for Southland, 2010.**

To: Environment Southland
Private Bag 90116
Invercargill 9840

NOTE: A completed Gravel Extraction Evaluation Form must be submitted with this form. This form can be found on our website www.es.govt.nz

1 **What is this application for?**

a new gravel extraction consent the renewal of existing consent ref no: AUTH-123456

2 **What duration of resource consent is sought?** 5 years

3 **Which river(s) do you propose to take gravel from?**

BLUE RIVER

4 **For what purpose(s) will the gravel be extracted?**

ROAD REBUILD

5 **Details of the contractor (or any other person) who will undertake the proposed extraction work.**

Contracting company name: ROADING WORKS INC

Contact person: TOMMY ROADS

Phone number: 03 123 4567

6 **GPS co-ordinates of the site(s) you propose to extract gravel from**

Site 1: NZTM 2000 1234567 E 1234567 N

Site 2: NZTM 2000 1234567 E 1234567 N

7 **Please provide the following details for the extraction site(s)**

Site 1: Length: 100 m Width: 50 m

Area: 5,000 m² Depth: 1 m

Site 2: Length: _____ m Width: _____ m

Area: _____ m² Depth: _____ m

8 What is the maximum volume of gravel that you propose to extract each year?

Site 1: 1,000 m³ per year Site 2: _____ m³ per year

9 What is the total volume of gravel that you propose to extract?

Site 1: 5,000 m³ per year Site 2: _____ m³ per year

10 Please describe the proposed method for extraction.

- Will the work involve beach skimming or pond/pit methods of excavation?
- Will the work require access through flowing water?
- Will gravel be extracted only from the dry bed of the river?
- What buffer distances will be maintained between the extraction points and flowing water?

EXTRACTION WILL BE UNDERTAKEN USING BEACH SKIMMING METHODS ON TRUE RIGHT HAND BANK OF RIVER.

NO ACCESS THROUGH WATER IS REQUIRED. EXISTING ACCESS ROAD ON TRUE RIGHT HAND BANK OF RIVER.

NO EXTRACTION WILL BE UNDERTAKEN WITHIN 10 M OF WATERS EDGE.

NO WORKS WILL BE UNDERTAKEN IN WET BED OF RIVER.

ONE 10 TONNE EXCAVATOR AND ONE HAULAGE TRUCK ON RIVER BED ONLY.

11 Will there be any additional processing of gravel on-site e.g. washing, crushing? Are there likely to be any associated discharges of contaminants to land, water or air?

If *yes*, please give details and explain how any discharges will be minimised.

NO - GRAVEL LOADED ONTO TRUCK AND TRANSPORTED OFFSITE.

NO ONSITE WASHING, SORTING OR PROCESSING OF GRAVEL.

WORKS UNDERTAKEN ON DRY BED ONLY SO NO DISCHARGES OF SILT TO WATER.

NO REFUELLING OF VEHICLES IN THE RIVER BED SO LESS RISK OF FUEL SPILLAGE.

Note: the washing of gravel refers to the removal of any excess sediment from the gravel. Further consents to discharge contaminants (silt & sediment) to water may be required (please refer to the relevant Part B form).

Note: the crushing of gravel at the extraction site may result in the discharge of dust to air. Further consents to discharge contaminants to air may be required (please refer to the relevant Part B form).

12 Is the stock piling of gravel proposed at any time?

If *yes*, please give details including where the gravel will be stockpiled, the size of stockpiles, and the intended duration of any stockpiles.

NO.

Existing Environment

13 Are any of the following features found within the existing environment of the proposed activity? Describe these features in the space below, along with details of the assessment undertaken to determine the presence of these features.

- (a) Signs of instream life (e.g. fish, eels, bullies, crayfish, native birds, frogs)?
- (b) Areas where food is gathered from a water body (e.g. watercress, eels, wildfowl)?
- (c) Wetlands, wildlife habitats or bird nesting habitats (e.g. swamp areas)?
- (d) Other activities occurring in the area (e.g. commercial activity, fishing, swimming, boating)?
- (e) Areas of particular aesthetic, cultural, heritage or scientific value (e.g. archaeological sites)?
- (f) Waste discharges, water takes and/or monitoring sites?
- (g) Any other gravel extractions?

	Yes	No
(a)	X	
(b)	X	
(c)		X
(d)	X	
(e)		X
(f)		X
(g)	X	

BLUE RIVER IS KNOWN FOR ITS SALMON POPULATIONS, WHICH ATTRACT ANGLERS. HOWEVER, THEY FISH FURTHER UP THE RIVER, WITH ACCESS VIA LONG ROAD, WHICH IS 1 KM UPSTREAM FROM THE PROPOSED ABSTRACTION SITE.

OFFICER FROM DoC VISITED THE SITE ON 1 MAY 2016 AND NOTED THERE WERE NO SIGNS OF SALMON SPAWNING AND NO SIGNS OF BIRD NESTING HABITATS. NO OTHER HABITATS IDENTIFIED IN OR AROUND THE EXTRACTION AREA.

TALKED TO TE AO MARAMA INC (DATE) AND THEY DID NOT KNOW OF ANY SPECIAL CULTURAL SITES NEARBY.

NEW ZEALAND HISTORIC PLACES TRUST SEARCH SHOWED NO REGISTRERED HISTORUC SITES NEARBY.

ES STAFF (NAME) ADVISED NO SCIENTIFIC MONITORING SITES NEARBY.

SCIENTIFIC VALUES ASSOCIATED WITH THE SITE.

NO KNOWN WATER TAKES, DISCHARGES OR MONITORING SITES.

NEAREST OTHER ACTIVE GRAVEL EXTRACTION SITES ARE 3 KM UPSTREAM AND 1 KM DOWNSTREAM.

Please also include relevant photographs of the proposed extraction sites, looking both upstream and downstream of the extraction sites.

Please also include a map and/or site plan showing the above mentioned features and the following:

- roads, property boundaries and neighbouring properties, along with the names of adjacent landowners;
- buildings;
- rivers, streams creeks, drains or any other water bodies;
- structures, stop banks and other flood protection works

Assessment of Effects

14 Will the extraction of gravel alter river flows during flood or low flow events?

EXTRACTION IS VIA BEACH SKIMMING AND THE RIVER IS 150 M WIDE AT THE GRAVEL EXTRACTION SITE SO NO SIGNIFICANT EFFECT ON FLOWS ARE EXPECTED.

FLOWS SHOULD NOT BE DIVERTED DUE TO BEACH SKIMMING METHOD BEING USED AND THE RIVER BEING 150 M WIDE

HEIGHT OF BEACH WILL NOT BE LOWERED TO BELOW WATER LEVEL OR .

15 Will the extraction of gravel cause significant riverbed erosion, either at the site or downstream? If yes, please provide a discussion of the potential risks.

THERE IS NO REASON TO EXPECT THAT THIS WILL OCCUR BECAUSE THE BEACH IS NOT TO BE LOWERED TO LOWER THAN THE WATER LEVEL OR HIEGHT OF AND THE PROPOSED EXTRACTION SITE IS 10 M FROM THE RIVER BANK.

16 Are there any structures or flood protection works in the vicinity of the proposed works? If yes, will the works have any effect on these structures? Please provide specific details.

COUNCIL FLOOD STOP BANKS ARE LOCATED ON THE TRUE RIGHT BANK OF THE RIVER, APPROXIMATELY 25 FROM INLAND FROM THE PROPOSED EXTRACTION SITE. THE EXTRACTION WILL NOT RESULT IN THE UNDERMINING OF THESE STRUCTURES GIVEN THE DISTANCE FROM THEM.

17 Pursuant to Schedule 4 of the Resource Management Act, 1991, there are a number of matters that must be addressed by an assessment of environmental effects. Please discuss what effects the proposed activity will have on the following:

(a) any effect on those in the neighbourhood and, where relevant, the wider community, including any social, economic, or cultural effects

COST-EFFECTIVE SOURCE OF GRAVEL REQUIRED FOR ROADING PROJECTS TO IMPROVE SOUTHLAND'S INFRASTRUCTURE.

EXISTING PRIVATE ACCESS AGREEMENT WITH ADJACENT LANDOWNER.

NO SIGNIFICANT ADVERSE CULTURAL EFFECTS EXPECTED.

(b) any physical effect on the locality, including any landscape and visual effects

EXISTING ACTIVITY. ONE EXCAVATOR AND ONE TRUCK IN THE RIVER ONLY.

(c) any effect on plants or animals and any physical disturbance of habitats in the vicinity

GRAVEL HAS BEEN UNDERTAKEN INTERMITTENTLY AT THE SITE FOR THE PAST 10 YEARS SO THE HABITAT IS MODIFIED ALREADY. BED DISTURBANCE WILL BE KEPT TO A MINIMUM.

(d) any effect on natural and physical resources having visual, recreational, historical, or cultural value

NO SPECIAL AESTHETIC VALUES ASSOCIATED WITH THE SITE. HIGHLY MODIFIED FORM EXISTING GRAVEL ACTIVITY. NO SIGNIFICANT EFFECTS ON ANY OTHER INSTREAM VALUES EXPECTED AS WORKS WILL NOT OCCUR IN WET BED OF THE RIVER. BED DISTURBANCE WILL BE KEPT TO A MINIMUM.

- (e) any discharge of contaminants into the environment

NO DISCHARGE PROPOSED. WORKS WILL BE OUTSIDE OF THE WET BED OF THE RIVER. MACHINERY FUELLED OUTSIDE OF THE RIVER BED TO PREVENT RISK OF SPILLAGES

- (f) any risk to the neighbourhood, the wider community, or the environment through natural hazards

NONE ANTICIPATED GIVEN THE ACTIVITY WILL NOT EXACERBATE FLOOD RISK. THE WHOLE OF THE RIVER BED IS UNDER WATER IN FLOOD EVENTS SO ANY MODIFICATIONS CAUSED BY GRAVEL EXTRACTION ARE LIKELY TO BE QUICKLY LEVELLED.

- 18 Please include a description of the monitoring or mitigation measures to be undertaken to help avoid, reduce or remedy effects on the environment.**

BEACH LEVELS NOT LOWERED TO BELOW WATER LEVEL OR HEIGHT OF .
BED DISTURBANCE TO BE KEPT TO A MINIMUM. ONE EXCAVATOR AND ONE HAULAGE TRUCK ONSITE ONLY.
NO WASHING/SORTING/PROCESSING OF GRAVEL ON SITE.
10 M BUFFER TO WATERS EDGE TO BE MAINTAINED.
VEHICLES WASHED BEFORE COMING ONSITE TO REDUCE RISK OF SPREADING DIDYMO.

- 19 Please describe how you will minimise the release of silt, sediment and other contaminants into water.**

BED DISTURBANCE TO BE KEPT TO A MINIMUM. ONE EXCAVATOR AND ONE HAULAGE TRUCK ONSITE ONLY.
NO WORKS IN WET BED OF RIVER.
10 M BUFFER TO WATERS EDGE TO BE MAINTAINED.

- 20 Please include evidence of any consultation undertaken for this application. This may include (but not be limited to) consultation with adjoining landowners, other consent holders in the immediate area, iwi (e.g. Te Rūnanga O Ngāi Tahu, Te Ao Marama Inc.), government departments/ministries (e.g. DOC), territorial authorities and recreational associations.

Please note that in accordance with Schedule 4 of the RMA, you may also be required to provide an assessment of whether or not the proposed activity is contrary to any of the relevant provisions of the following documents.

- (a) Regional Policy Statement for Southland, 1997 (and any proposed/ subsequent versions)*
- (b) Regional Water Plan for Southland, 2010 (and any proposed/ subsequent versions)*
- (c) National Policy Statement for Freshwater Management, 2014*
- (d) National Environmental Standard for Sources of Human Drinking Water, 2007*

Staff are able to advise whether this is required, as it is dependant on the location, scale and complexity of your proposal. We invite you to come in for a pre-application meeting with Environment Southland consents staff to discuss this.

END OF FORM