

Resource Consent Application Form 14A

To extract gravel from the bed of a river



Otago
Regional
Council

This application is made under Section 88 of the Resource Management Act 1991 (as amended)

Phone: 0800 474 082

Website: www.orc.govt.nz

IMPORTANT NOTES TO THE APPLICANT

This form is intended to be used for gravel applications seeking greater than 500 cubic metres, significant gravel extraction applications such as those for commercial extraction purposes. Ensure that you complete this application Form 14A **and** Resource Consent Application Form 1 **in full**.

For smaller applications seeking a volume of less than 500 cubic metres Form 14B and Form 1 should be completed **in full**.

The Council strongly recommends that an appropriate **technical specialist** such as a Consulting Engineer experienced in river geomorphology and/or river management be engaged to assist with this application to provide technical advice, river morphology/hydrological reports and beach surveys as supportive evidence.

If all the necessary information is not entered on the form or supplied with the application then Otago Regional Council **may return your application**, request further information, or in some circumstances, publicly notify your application. This will lead to delays in the processing of your application and may increase processing costs. This application form and supporting documents, when properly completed, should provide an adequate "Assessment of Effects on the Environment" (AEE). However, this can only be determined on a case-by-case basis.

For activities located within a flood protection or drainage scheme identified in ORC's Flood Protection Management Bylaw 2022, please obtain authorisation / bylaw approval from ORC's Engineering Team before applying for resource consent.

Specific Notes Regarding Gravel Extraction

- Justification for what is acceptable and sustainable to be extracted from each location is to be provided by the applicant. The justification should be guided by the information requested in this form and supported by appropriate technical advice prepared by a suitably qualified and experienced person.
- Technical advice/evidence to support your answers below should be provided with the application. For example, evidence may take the form of:
 1. Details of the character, location, and source of sediment/gravel upstream of the proposed extraction site.
 2. Details of the relevant channel morphology and any sediment/gravel investigations and surveys
 3. Details of any flood frequency analysis or hydrological reports
 4. Details of any ecological investigations
 5. Details of any other consultation completed
 6. Details of any proposed minimum riverbed extraction level

PART A: Location and description of extraction location

1. (a) Which river are you seeking to extract gravel from: _____

Note: If you are seeking gravel from more than one river, please complete a separate Form 14A in addition to this one, with site specific details.

(b) Please provide GPS grid references from where you propose to extract gravel (Note: All GPS locations to be provided in NZTM 2000 format):

Location 1:

Mid point grid reference: _____ Easting _____ Northing

Upstream grid reference: _____ Easting _____ Northing

Downstream grid reference: _____ Easting _____ Northing

Location 2:

Mid point grid reference: _____ Easting _____ Northing

Upstream grid reference: _____ Easting _____ Northing

Downstream grid reference: _____ Easting _____ Northing

Location 3:

Mid point grid reference: _____ Easting _____ Northing

Upstream grid reference: _____ Easting _____ Northing

Downstream grid reference: _____ Easting _____ Northing

(c) Please describe the following aspects for each extraction location:

Location 1: **Length** _____ m
 Width _____ m
 Area _____ ha or m²
 Depth _____ m

Location 2: **Length** _____ m
 Width _____ m
 Area _____ ha or m²
 Depth _____ m

Location 3: **Length** _____ m
 Width _____ m
 Area _____ ha or m²
 Depth _____ m

(d) Please provide a detailed description of the location from which you wish to extract gravel: (Note: This should include a description of the river environment at each location, name of beach if known, total length and width of the beach, distance of proposed extraction from adjoining water level or elevation above low flow level and any other information relevant to site).

Plans maps/plans attached

(e) Please provide colour photographs of each extraction location looking both up and downstream. (Note: Please indicate on each photograph the direction the photographer is facing, the location the photograph is taken from and the date it was taken).

Photographs attached to this application form

PART B: Description of Proposed Extraction:

2. **For what purpose is the gravel being extracted:** _____
(e.g. road aggregate)

3. **Is this consent application seeking to replace an existing (current) consent?**

No

Yes: please give the following information

Consent Number: _____

Expiry date of consent: _____

If this consent application is granted, do you intend to:

Extract gravel under the current consent until it expires (Section 124 continuation rights to be confirmed by Council)

Surrender the current consent and operate under the new consent as soon as possible

4. **How much gravel do you propose to extract from each location?**

Location 1 _____ m³ per year

Total volume sought from Location 1 over the term of the consent _____ m³

Location 2 _____ m³ per year

Total volume sought from Location 2 over the term of the consent _____ m³

Location 3 _____ m³ per year

Total volume sought from Location 3 over the term of the consent _____ m³

5. What is the total volume of gravel you are seeking to extract?

_____ m³

6. Over what period are you seeking to extract gravel? _____ months/years

7. Please describe the type of extraction method to be used:

Beach skimming

Instream works

Dry bed channelisation (Note: please indicate to what depth the extraction will be below the adjoining water level on the cross sections to be provided (Q.8).

Definitions

Beach skimming – scrapping material off the surface layer of the dry bed of the river

Instream works - extracting material from within the wet bed of the river

Dry bed channelisation – cutting a channel into the dry bed adjacent to the main channel

8. For each extraction location please provide beach surveys which include an upstream, mid-point and downstream cross section profile indicating the current state of the beach/extraction location:

Beach survey cross section(s) attached

If available, please provide any other beach surveys for this location, to help demonstrate the long-term trends in the cross section.

9. Is gravel washing proposed as part of the extraction? If yes, please give details:

* The washing of gravel refers to the removal of any excess sediment from the gravel. If this activity is undertaken in the river further consents to take and use water, discharge sediment to water or for any disturbance to the bed may be required. (Note: A river bed is defined as the space of land over which the waters in the river cover at its fullest flow without overtopping its banks). Please contact Council to discuss further if unsure.

10. River Bed Access

(a) Please provide a grid reference for all river access points: (Note: All GPS locations to be provided in NZTM 2000 format):

Grid reference: Easting _____ Northing _____
Easting _____ Northing _____
Easting _____ Northing _____

(b) Please provide site photographs (6"x4" minimum size) of all proposed river bed access points.

Photographs attached to this application form

(c) Describe how the river bed will be accessed (e.g., track rolled ramp, culvert, existing track). Note: If the access is required to be formed, or you require access through the river, please provide details and show plans, including details of any alterations to the river bank*:

* Further consents may be required for works that alter the bed of a river, that discharge sediment to water or require the placement of instream structures. Where these may occur as a result of your extraction activities, please also complete Form 7 (Discharge to Water), Form 10C (Instream Works) and/or Form 37 (Culverts). Alternatively, please contact the Council to discuss.

(d) Describe the average width of the dry bed of the river at the access point. If accessing the wet bed also describe the depth of the river at the access point

Average width of dry bed (between base of bank and edge of the flowing channel) of the river _____ m
Average width of wet bed (the width of the flowing channel) of the river _____ m

(e) Describe the composition of the bed material of the dry bed of the river at the access point (e.g. Is the bed muddy, sandy, stony etc.).

If accessing the wet bed also describe its composition at the access point.

(f) Describe the proposed frequency of use of the access point/s.

11. Is stockpiling of gravel on the river bed or flood plain, (within 30 metres of the top of the river bank), proposed at any time during extraction? If yes, please provide details, specifically where gravel will be stockpiled*, the size of the stockpiles and the intended duration for any stockpiling. (Note 1: A river bed is defined as the space of land which waters of the river cover at its fullest flow without overtopping its banks. Note 2: The stockpiling of gravel is of concern where it may divert water). Please contact Council where unsure.

* If gravel stockpiles exceed 1,000 m³ and are located within Air Zone 1 or Air Zone 2 as defined in Schedule 2 of the Regional Plan: Air for Otago, and/or if the crushing or screening of gravel is at a rate exceeding 100 tonnes an hour, then consent to discharge dust to air may be required. For this please contact Council to discuss further. Alternatively, please complete Form 8, Discharge to Air.

12. Describe in detail your proposed management plan and extraction methodology program (Note: Include machinery types and numbers, locations of extractions over the proposed term of extraction, any sediment control measures or disturbance mitigation measures, any means for dealing with any biosecurity matters, backfilling/contouring/rehabilitation methods, and method of disposing of reject material.

Copy of Management Plan attached

13. Describe the proposed timing of work:

Hours of work: _____ am/pm to _____ am/pm

Days of work: _____ to _____ (Mon/Tue/Wed/Thur/Fri/Sat/Sun)

Total number of days each year to complete the proposed work (estimated):

Time of year extraction will occur: _____ to _____ (months of the year)

Periods where works will not occur (such as public holidays):

14. Have you consulted with the local territorial authority (e.g., DCC, CODC, CDC, WDC, QLDC etc) regarding any other consents required for the proposed extraction?

Yes No

Please list any other relevant land use consents required from the local authority:

15. Please provide the details of the contractor (or other person) who will undertake the proposed extraction work.

Contracting Company Name (if relevant): _____

Contact Person: _____

Contact Person's Phone Number: (office): _____

(Mobile): _____

PART C: Assessment of Environmental Effects

*Note: For some applicant's a number of the questions below may require answers/explanations that will take up more space than provided on this form. Please provide additional attachments, including written explanations, images, figures or graphs as required. Your consultant technical expert should assist with answering this section and providing evidence in the form of technical advice, to support your assessment of environmental effects:

16. (a) Please describe the river form at each extraction location: (e.g. braided, meandering or incised? Is gravel aggrading or degrading? Please provide quantitative details of the volume of gravel currently at the extraction location. Is there significant riverbank erosion?) Has the river changed since gravel extraction

has been undertaken on this stretch of the river? Please provide evidence such as river morphology/hydrological reports and beach surveys prepared by a suitably qualified and experienced person.

(b) How will the proposed extraction affect river form (e.g. erosion potential, aggradation/degradation effects)? What are the gravel replenishment rates and volumes? Please provide quantitative supportive evidence prepared by a suitably qualified and experienced person:

(c) Will the extraction of gravel alter the river flows during flood or low flow events? Please provide details of any flood frequency analysis.

17. Describe whether there are any adverse effects that may be caused by machinery access to the bed of the river, and the way in which these adverse effects are to be avoided, remedied and mitigated:

18. Please define the maximum gravel extraction depth (intended river profile level) at each location. Please provide supportive evidence, such as beach surveys and river morphology reports, outlining how this level has been calculated. If no profile level is to be used, please justify reasons why not:

19. Are there any structures near to the extraction site (within 3 kilometres)? If yes, will the extraction have any effect on these structures? Please provide specific details including the type of structure, owner of structure, distance from gravel extraction activity, what effects the proposed extraction will have on the stability/function of the structure:

20. Will the proposed gravel extraction have any river management benefits? If yes, please describe what those benefits will be and how they have been determined:

21. Please justify the volume of gravel and the term of consent sought with regard to the overall river system:
(Note: Evidence prepared by a suitably qualified and experienced person must be supplied that justifies the volume being sought is consistent with the purpose of the extraction and that the extraction is sustainable in terms of the overall effects on the total gravel resource within the catchment).

(Council's Environmental Engineering and Natural Hazards Unit have channel morphology and sediment analysis reports on file which may help with this application. Please contact them to discuss).

22. How will the proposed extraction affect the overall river catchment? Especially consider the downstream effects of the extraction on the river form and behaviour: (e.g. where does the gravel end up (another river, ocean)? Will there be any effects from the loss of this gravel from within the catchment?)

23. How will the proposed extraction affect other downstream gravel takes?

24. Does the area from which you propose to extract gravel have any of the following values associated with it:

- Native fish
- Sports fish
- Aquatic habitat
- Bird life
- Water supply
- Visual amenity
- Recreational amenity (e.g., fishing, walking, swimming, kayaking etc)
- Heritage values
- Other (describe): _____

Please refer to Schedule 1 of the Regional Plan: Water or Council's Resource Science Unit to assist with answering this question. They may have information on file.

If the location has any of the above values, please describe how you intend to avoid, remedy or mitigate adverse effects of the proposed gravel extraction on these values. *(Note: It is advisable that a separate ecological assessment be provided with this application which has been undertaken by a suitably qualified, independent ecologist experienced in river ecological management).

* Note: For applications to take gravel via instream methods an ecologist’s report is required. This report should include a description of the plant, fish and invertebrate species present, and an assessment of the effects of the disturbance and gravel extraction from the site

25. What alternative gravel sources have been considered including ‘out of river’ sources? Please state why the proposed site has been chosen?

26. **Considering the answers to the questions above, will the proposed extraction have a more than minor adverse effect on the overall river system? Please provide supporting evidence for your assessment:**

27. **Considering the answers to the questions above, will the proposed extraction have a more than minor adverse effect on the extent and values of the river, including natural character as a result of the take? Please provide supporting evidence for your assessment:**

28. **Are you proposing any other works in addition to removing gravel? Please describe these works below: (for example, riparian planting, placing rock rip rap material or other instream works)**

29. **Please comment on any consultation undertaken with those persons/parties who may be affected by your proposal to extract gravel:**

30. **Please provide any written approvals obtained:**

- Written approvals attached on Form 1

31. **In order to submit a complete application, have you remembered to?**

- Fully completed this application form and Form 1
- Attached an Assessment of Environmental Effects? (if required)
- Attached the Policy Sheet, or an assessment against the relevant policy documents
- Attached maps, technical drawings and photographs as appropriate
- Attached technical reports appropriate
- Attached a Certificate of Title for the site that is less than 3 months old
- Attached any written approvals
- Paid your deposit

Additional Notes to Applicant:

- (a) Obtaining permission for access to the extraction area is the applicant's responsibility. The granting of a consent to extract the gravel does not imply permission to access the land.
- (b) Land use consents to extract gravel from river beds confer no rights to exclusively occupy any land either on or outside of the river bed.
- (c) The applicant is to be aware that neighbours might be affected by noise or dust from the gravel extraction and screening work. Please consult the Territorial Local Authority about noise limits and related time restrictions. The granting of consent to extract gravel does not allow for any objectionable noise or dust to travel beyond the site.
- (d) Under Section 36 of the Resource Management Act 1991 and the Local Government Act 2002, the consent holder must pay an inspection and management fee to the Consent Authority.

**If you have any queries relating to information requirements,
please contact the Otago Regional Council Offices:**

Freephone: 0800 474 082

Website: www.orc.govt.nz

Email: consent.enquiries@orc.govt.nz