

ADDENDUM 1:

ROUND THE MOUNTAIN CYCLE TRAIL LANDSCAPE AND VISUAL ASSESSMENT REPORT

In response to **Item 10** of the Request For Further Information from Southland District Council to Resource Consent 11/134 -1917 Mossburn Five Rivers Road, Five Rivers -Parawa - Around the Mountain Cycle Trail.

The following schedule identifies the locations for gravel extraction for the Eyre Mountains sector of the trail based on the 8 sections identified in the Landscape and Visual Assessment Report. An estimate of the m³ required is given for each site and an allowance of 10% above what is anticipated is added as a contingency.

Without actually undertaking individual testpits there is no way of knowing the quality of the gravel or the depth of gravel available until the gravel extraction site is opened up. The applicant therefore has selected to nominate in some cases more than one site for gravel extraction per Section for consent purposes but will only use only one of the sites.

The sites for gravel extraction are all reasonably similar sites (apart from GE 2) i.e. located on the valley floor on low flats and terraces. General landscape principles have been set out in the landscape assessment report that apply to all sites i.e. principles that apply to all Borrow Pits (Gravel Extraction sites, refer 7. in main report). Additional comments on individual gravel extraction sites is added here where applicable.

Schedule of Gravel Extraction Sites

Section 1.

Department of Conservation Eyre Mountains Conservation Park Maps page 13/ 17, GE1 & GE 2

Only one gravel extraction site in section 1 will have gravel extracted from it. Total gravel extracted in section 1 (2,600 m³)

Gravel pit depth approximately 1 to 2 m

Assessment:

GE 1 is an open grass area on the floodplain situated between the Oreti River and the trail route. It occupies old watercourse and would be shaped when finished to blend with natural undulations in the floodplain and regrassed.

GE 2 is on the alluvial terrace against the eastern bush edge north of the Ashton Burn. The terrace is several metres above the valley floor and visually prominent from the valley floor. If this site was selected, gravel extraction would be set back from the edge of the terrace to minimise any visual impact. Because the terrace is elevated above the valley floor the actual borrow site (following extraction) will not be visible from the valley floor. The main visual consideration for this site would be the formation of the access track to the top of the terrace. The track would be cut into the southern side of the terrace and will create temporary visual impact from the southern end of the valley i.e. from the Ashton Burn south for some distance. The access track would be pulled back to reinstate the natural slope by hydraulic digger at the conclusion of construction and sown out in grasses.

Section 2.

**Department of Conservation Eyre Mountains Conservation Park
Maps page 17 to 20, GE 3,**

Gravel extraction sites GE 3, GE4 and GE 5. It is likely 1 or 2 gravel sites would be utilised in this section, total gravel extracted (4,900 m³)

Gravel pit extraction depth approximately 1 to 2 m

Assessment:

These are all reasonably similar sites on low river terraces on the eastern side of the valley approximately 50m from the cycle trail. The gravel extraction sites can be absorbed in these locations with minimal landscape and visual effects. The landscape principles outlined in the main report will apply to these sites.

Section 4.

**Department of Conservation Eyre Mountains Conservation Park
Maps page 22, GE 6, GE 7 & GE 8**

Gravel extraction sites GE 6, GE7 and GE8. Only one site will have gravel extracted, total gravel extraction (4,000 m³)

Gravel pit extraction depth approximately 1 to 2 m.

Assessment:

GE6 and GE7 are on also on river terraces on the true left of the Oreti River. Both sites are similar in character and are modified by past grazing. Gravel extraction will have short term visual effects but with careful shaping and regrassing at the completion of extraction can be easily absorbed in this landscape.

GE 8 is at the end of Section 4 near the first of the rocky knolls on the true left of the river flats upstream of Three Kings. The site is open grassy river flat. It is well away from the backwaters and wetlands downstream and from the river itself. As with all of the gravel extraction sites there will be temporary visual impacts during extraction. At the end of extraction the sites will be shaped and finished to integrate as close as possible to the natural contour and regrassed. Visual effects will continue to a lesser extent until revegetation establishes.

Section 6.

**Department of Conservation Eyre Mountains Conservation Park
Gravel extraction site also Environment Southland (river flats)
Map page 29, GE 9 & 10**

Gravel extraction site GE 9 & GE 10, total gravel extraction (4,400 m³)

Gravel extraction depth approximately 1 m i.e. above water level.

Assessment:

These sites are all on low grassy terraces and flats within the riverbed away from backwaters and wet areas. These sites can also absorb gravel extraction with minimal landscape or visual impact. The sites will be shaped at the conclusion of work and regrassed.

<p>Section 7. Department of Conservation Eyre Mountains Conservation Park Map page 32</p> <p>Note: GE 11 deleted from schedule</p> <p>Gravel extraction site GE 11A, total gravel extracted (4,400 m³)</p> <p>Gravel extraction depth 1m to 2m</p> <p>Assessment: GE 11A is located on a series of terrace landforms that step down towards the suspension bridge over the Oreti River with a mix of tall tussock scattered shrub and pasture grasses. As with all the sites there will be temporary visual effects during gravel extraction but the site will be shaped when extraction is completed to blend with the natural contour and resown in grass.</p>
<p>Section 8. Map page 37 Southland District Council, GE 12, existing gravel extraction site Assessment: Existing gravel quarry. No landscape or visual issues.</p>
<p>Map page 41 Environment Southland (river bed)</p> <p>Gravel extraction GE 12A, (7,000 m³) (Note: Outside the Eyre Mountains/Taka Ra Haka Conservation Park and not part of this assessment)</p> <p>Gravel extraction up to 1 m depth i.e. above water level</p>
<p>Map page 44 Environment Southland (river bed)</p> <p>Gravel extraction site GE 12 B (5,200 m³) (Note: Outside the Eyre Mountains/Taka Ra Haka Conservation Park and not part of this assessment)</p> <p>Gravel extraction up to 1 m depth i.e. above water level</p>

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