

Appendix A10.3: Potential Impacts on Infrastructure, Properties and Cultural Heritage as a result of Groundwater Dewatering

1.1.1 This appendix provides an assessment of the impact of groundwater dewatering on infrastructure, properties, listed buildings and scheduled monuments and supports Chapter 10 (Geology, Soils and Groundwater). Data were obtained from review of historical and current maps, Ground Investigation data, consultation and site survey information and presented in Table 1.

Table 1: Potential Impacts on Infrastructure, Properties and Cultural Heritage as a Result of Groundwater Dewatering

Cutting ID	Approximate Chainage (m)	Nearby Receptors	Magnitude of Impact	Significance of Impact
W5	6100 - 6425	Existing A9	minor	Slight
W5	6100 - 6425	Isolated buildings	minor	Slight
W6	7200 - 8725	Existing A9	minor	Slight
W9	10300 - 10675	Existing A9	minor	Slight
W12	13450 - 14750	Multiple buildings	minor	Slight
W12	13450 - 14750	Existing A9	minor	Slight
W12	13450 - 14750	Local road	minor	Slight
W15	17100 - 17550	Existing A9	negligible	Neutral
W15	17100 - 17550	Local Road	negligible	Neutral
W16	18300 - 18800	Existing A9	negligible	Neutral
W16	18300 - 18800	Local Road	negligible	Neutral
W18	19950 - 20450	Existing A9	negligible	Neutral
W20	13100 - 13250	Existing A9	minor	Slight
W22	6450 - 7000	Isolated buildings	negligible	Neutral
W22	6450 - 7000	Existing A9	negligible	Neutral
W23	19000 - 19750	Existing A9	negligible	Neutral
W23	19000 - 19750	Local road	negligible	Neutral
W23	19000 - 19750	Isolated buildings	negligible	Neutral
W23	19000 - 19750	Heritage receptor 50911	negligible	Neutral
C3	0 - 300	Existing A9	negligible	Neutral
C5	0 - 325	Existing A9	negligible	Neutral
C5	0 - 325	Isolated buildings	negligible	Neutral

A9 Dualling Programme: Killiecrankie to Glen Garry

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Cutting ID	Approximate Chainage (m)	Nearby Receptors	Magnitude of Impact	Significance of Impact
C6	0 – 225	Existing A9	negligible	Neutral
C6	0 – 225	Railway	negligible	Neutral
C6	0 – 225	Isolated buildings	negligible	Neutral
C6	0 – 225	Local Road	negligible	Neutral
C7	330 – 620	Existing A9	negligible	Neutral
CS1	10 - 300	Existing A9	minor	Slight
CS1	10 - 300	Isolated buildings	minor	Slight
CS1	10 - 300	Railway	minor	Slight
CS1	10 - 300	Local Road	minor	Slight
CS2	0 – 550	Existing A9	negligible	Neutral
CS2	0 – 550	Isolated buildings	negligible	Neutral
CS2	0 – 550	Shierglas Quarry	negligible	Neutral
CS2	0 – 550	Heritage receptor 9515	negligible	Neutral
CS2	0 – 550	Heritage receptor 6039	negligible	Neutral
CS2	0 – 550	Heritage receptor 6040	negligible	Neutral
CS3	0 – 400	Existing A9	negligible	Neutral
CS3	0 – 400	Isolated buildings	negligible	Neutral
CS3	0 – 400	Shierglas Quarry	negligible	Neutral
CS3	0 – 400	Heritage receptor 9515	negligible	Neutral
CS4	620 - 780	Existing A9	minor	Slight
CS5	150 – 250	Existing A9	minor	Slight
CS7	150 - 300	Existing A9	minor	Slight
CS12	0 – 220	Existing A9	negligible	Neutral
CS12	0 – 220	Isolated buildings	negligible	Neutral
CS12	0 – 220	Footbridge	negligible	Neutral
CS16	80 – 425	Existing A9	negligible	Neutral
CS16	80 – 425	Isolated buildings	negligible	Neutral
CS16	80 – 425	Local Road	negligible	Neutral
CS20	1560 – 1760	Existing A9	negligible	Neutral

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Cutting ID	Approximate Chainage (m)	Nearby Receptors	Magnitude of Impact	Significance of Impact
CS20	1560 – 1760	Isolated buildings	negligible	Neutral
CS20	1560 – 1760	General Wade's Military Road	negligible	Neutral
CP4	3800	Existing A9	negligible	Neutral
CS39	1275 - 1325	Existing A9	negligible	Neutral
CS39	1275 - 1325	Isolated buildings	negligible	Neutral
CS40	0 - 160	Existing A9	negligible	Neutral
CS40	0 - 160	Isolated buildings	negligible	Neutral
CP4	3800	Railway	negligible	Neutral
CP4	3800	Isolated buildings	negligible	Neutral
CP4	3800	Local Road	negligible	Neutral
CP8	6700	Isolated buildings	negligible	Neutral
CP8	6700	Existing A9	negligible	Neutral
CP14	12600	Existing A9	minor	Slight
CP14	12600	Railway	minor	Slight
CP14	12600	Local Road	minor	Slight
CP15	13600	Existing A9	negligible	Neutral
CP15	13600	Local Road	negligible	Neutral
CP19	18200	Existing A9	negligible	Neutral
CP19	18200	Local Road	negligible	Neutral
CH9	0 - 50	Existing A9	minor	Slight
CH11	10 - 160	Existing A9	negligible	Neutral
CH12	200 - 310	Existing A9	negligible	Neutral
CH13	650 - 750	Existing A9	negligible	Neutral
CH13	650 - 750	Local Road	negligible	Neutral
CH13	650 - 750	Isolated buildings	negligible	Neutral
CH16	10 - 100	Existing A9	negligible	Neutral
CH16	10 - 100	Local Road	negligible	Neutral
CH18	10 - 70	Local Road	negligible	Neutral

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Cutting ID	Approximate Chainage (m)	Nearby Receptors	Magnitude of Impact	Significance of Impact
CH18	10 - 70	Isolated buildings	negligible	Neutral
CH33	80 - 330	Existing A9	negligible	Neutral