

Information on the following for every in-stream structure and “fish facility”

Clause 3(a) of Schedule 9 of the FTAA requires Westpower to provide detailed information about every structure and fish facility which is a complex freshwater fisheries activity. This information is provided in the table below.

Culvert number (Refer Appendix X)	Length (m)	Diameter (cm)	Class / Structure Type	Coordinates (at or about)		Placement of the structure or fish facility	Water flows:	Operating regime:
				EASTING	NORTHING			
McLean Farm								
1	26.4	1050	RRJ CLASS 4	1415847	5228834	Parallel with direction of flow.	Flow rates unknown. Likely Ephemeral.	See Notes 1 and 2
2	12.5	Twin 900	RRJ CLASS 4	1415764	5228698			See Notes 1 and 2
3	12.5	750	RRJ CLASS 4	1415753	5228377	Inverts below existing bed level		See Notes 1 and 2
4	12.5	750	RRJ CLASS 4	1415891	5228065			See Notes 1 and 2
5	10.5	4m wide x 2 m wide	BOX CULVERT	1416085	5227732			See Notes 1 and 2
6	10.5	4m wide x 2 m wide	BOX CULVERT	1416069	5227550			See Notes 1 and 2
7	10	450	RRJ CLASS 4	1416243	5226783			See Notes 1 and 2
8	10	450	RRJ CLASS 4	1416233	5226663	See Notes 1 and 2		
9	10	450	RRJ CLASS 4	1416194	5226212	See Notes 1 and 2		
Macgregor Creek Crossing								
N/A	100		HYNDS DRIFTDECK Culverted Ford	1415775	5225528	Pre-cast culvert ford sections placed on concrete foundations	Ephemeral Rates unknown	See Notes 1 and 2

Culvert number (Refer Appendix X)	Length (m)	Diameter (cm)	Class / Structure Type	Coordinates (at or about)		Placement of the structure or fish facility	Water flows:	Operating regime:
				EASTING	NORTHING			
From Macgregor Creek to Power Station Site								
10	16.8	1050	RRJ CLASS 6	1415495	5225220	Parallel with direction of flow.	Flow rates unknown. Likely Ephemeral.	See Notes 1 and 2
11	14.4	450	RRJ CLASS 6	1415467	5225154			See Notes 1 and 2
12	12	600	RRJ CLASS 6	1415461	5225116	Inverts below existing bed level		See Notes 1 and 2
13	14.4	600	RRJ CLASS 6	1415409	5224979			See Notes 1 and 2
14	12	600	RRJ CLASS 6	1415407	5224762			See Notes 1 and 2
15	14.4	600	RRJ CLASS 6	1415456	5224584			See Notes 1 and 2
16	14.4	600	RRJ CLASS 6	1415466	5224569			See Notes 1 and 2
17	12	600	RRJ CLASS 6	1415487	5224535			See Notes 1 and 2
18	12	600	RRJ CLASS 6	1415505	5224487			See Notes 1 and 2
19	12	450	RRJ CLASS 6	1415501	5224414			See Notes 1 and 2
20	14.4	600	RRJ CLASS 6	1415492	5224390			See Notes 1 and 2
21	12	750	RRJ CLASS 6	1415484	5224373			See Notes 1 and 2
22	14.4	600	RRJ CLASS 6	1415467	5224339			See Notes 1 and 2
23	12	600	RRJ CLASS 6	1415459	5224324			See Notes 1 and 2
24	21.6	600	RRJ CLASS 6	1415426	5224266			See Notes 1 and 2
25	12	450	RRJ CLASS 6	1415415	5224235			See Notes 1 and 2
26	12	450	RRJ CLASS 6	1415412	5224218			See Notes 1 and 2
27	12	600	RRJ CLASS 6	1415410	5224155			See Notes 1 and 2
28	12	450	RRJ CLASS 6	1415411	5224109			See Notes 1 and 2
29	12	450	RRJ CLASS 6	1415411	5224097			See Notes 1 and 2
30	12	750	RRJ CLASS 6	1415412	5224045			See Notes 1 and 2

Culvert number (Refer Appendix X)	Length (m)	Diameter (cm)	Class / Structure Type	Coordinates (at or about)		Placement of the structure or fish facility	Water flows:	Operating regime:
				EASTING	NORTHING			
31	12	750	RRJ CLASS 6	1415411	5223976			See Notes 1 and 2
32	21.6	600	RRJ CLASS 6	1415413	5223925			See Notes 1 and 2
Alpha Creek Crossing	4 m wide 2 m high 12 m long		BOX CULVERT	1415412	5223840		Perennial	See Notes 1 and 2
33	19.2	750	RRJ CLASS 6	1415346	5223742		Flow rates unknown. Likely Ephemeral.	See Notes 1 and 2
Waitaha River Diversion Weir								
Diversion Weir			Weir	1415919	5222162	<p>Perpendicular to the direction of flow.</p> <p>Weir invert minimises upstream impoundment.</p> <p>Includes purpose-built fish pass for koaro while excluding passage of other fish species</p>	<p>Perennial</p> <p>Waitaha River Flows (refer to Hydrology Report)</p>	See Note 3
Headworks (Temporary Access Track to Construction Staging Area 1)								See Notes 1 and 2
34	7.2	750	RRJ CLASS 6	1415919	5222162			See Notes 1 and 2

Culvert number (Refer Appendix X)	Length (m)	Diameter (cm)	Class / Structure Type	Coordinates (at or about)		Placement of the structure or fish facility	Water flows:	Operating regime:
				EASTING	NORTHING			
35	12	750	RRJ CLASS 6	1415941	5222147	Parallel with direction of flow.	Flow rates unknown. Likely Ephemeral.	See Notes 1 and 2
36	12	750	RRJ CLASS 6	1415959	5222136			See Notes 1 and 2
37	9.6	750	RRJ CLASS 6	1415982	5222129	Inverts below existing bed level		See Notes 1 and 2
38	12	750	RRJ CLASS 6	1416029	5222109			See Notes 1 and 2

Note 1: In-stream structure will be passively operated. That is, once installed, there is no active operational changes needed.

Note 2: Maintenance of in-stream structure will be undertaken in accordance with plans set out in the SOMP and any other specific requirements set out in the Consents.

Note 3: Diversion weir sluice gate and residual flow gate structures will be operated in accordance with the SOMP. Maintenance of the diversion weir and associated gates and fish pass will be undertaken in accordance with plans set out in the SOMP and any other specific requirements set out in the Consents.