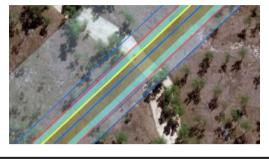
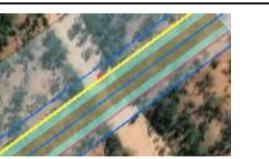
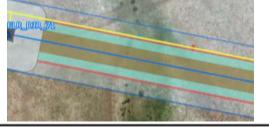
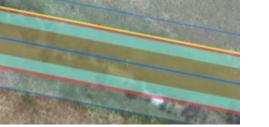
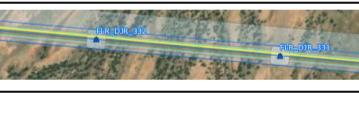
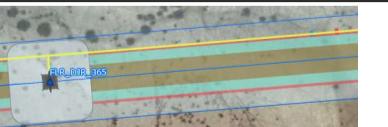


## Waterway Barrier Crossing Register: Major Risk Waterways

No.	Ref	Risk	Size	Project Image	Location	Flow status	Comment	WWBW Permit
WWB_28	383	Major	Large		In between Burdekin Falls Road and Ravenswood Ayr Rd.	Ephemeral	Creek loops under alignment (2 crossings WWB-28 & WWB-29). This location can be avoided if accessing the tower from the next crossing.	May not be required
WWB_29	295	Major	Large	As Above	As Above	Ephemeral	Unavoidable	Required
WWB_34	375	Major	Large		In between Burdekin Falls Road and Ravenswood Ayr Rd.	Ephemeral	Existing Track crossing creek. Also May not be required if use of Avoca Vale Road.	May not be required
WWB_35	378	Major	Large	As Above	As Above	Ephemeral	As Above	May not be required
WWB_49	363	Major	Large		West of Burdekin Falls	Ephemeral	Creek crossing avoided. Use Silver Valley Road.	May not be required
WWB_61	377	Major	Medium		Amity Road - West of Burdekin Falls Rd	Ephemeral	Use Amity Road	May not be required
WWB_79	229	Major	Medium		Burdekin River	Perennial	Unavoidable. New crossing required. Allows access to the western bank of the Burdekin River.	Required
WWB_83	230	Major	Major		Broughton Rd	Ephemeral	Use existing bridge crossing.	May not be required
WWB_93	232	Major	Large		South of Charters Towers	Ephemeral	Use existing access via Bluff and Cameron Downs	May not be required
WWB_98	286	Major	Large		Bluff Road	Ephemeral	Use existing road	May not be required
WWB_102	231	Major	Large		Between Hughenden and Pentland	Ephemeral	Could be avoided by using access via local Track and Cameron Downs	May not be required
WWB_113	347	Major	Large		South of Charters Towers	Ephemeral	Use existing crossing	May not be required
WWB_133	362	Major	Large		South West of Charters Towers	Perennial	Access required to Tower WDS_FLR_255 (Creek bend means this is impossible to avoid)	Required
WWB_142	345	Major	Major		Mid way between Charters Towers and Pentland	Perennial	Creek running North South (impossible to avoid)	Required
WWB_149	293	Major	Major		South East of Pentland Helenslee Rd	Ephemeral	Some sort of bridge structure in place	May not be required
WWB_155	289	Major	Medium		Homestead Laclees Rd	Ephemeral	Some sort of bridge structure in place	May not be required

WWB_166	294	Major	Large		South of Pentland	Ephemeral	Unavoidable	Required
WWB_168	290	Major	Medium		South of Pentland	Ephemeral	Unavoidable	Required
WWB_169	87	Major	Medium		Longton Rd (South of Pentland)	Ephemeral	Road appears to be in good order. No structure required.	May not be required
WWB_170	288	Major	Medium		Longton Rd (South of Pentland)	Ephemeral	Road appears to be in good order. No structure required.	May not be required
WWB_185	85	Major	Large		South of Pentland	Ephemeral	Unavoidable	Required
WWB_186	86	Major	Large		South of Pentland	Ephemeral	Unavoidable	Required
WWB_187	292	Major	Major		South of Pentland	Ephemeral	Big sandy crossing. Unavoidable	Required
WWB_192	291	Major	Large		South of Pentland	Ephemeral	Big sandy crossing. Unavoidable	Required
WWB_216	97	Major	Large		West of Hughenden	Ephemeral	Grassy creek crossing. Unavoidable	Required
WWB_217	100	Major	Large		West of Hughenden	Ephemeral	Grassy creek crossing. Unavoidable	Required
WWB_218	271	Major	Large		Mid way between Richmond and Hughenden	Perennial	Cluster of 3 towers through 4 major crossing (271, 96, 98, 99); it is possible to avoid crossing 271 & 96)	May not be required
WWB_219	96	Major	Large	As Above	Mid way between Richmond and Hughenden	Perennial	As Above	May not be required
WWB_220	98	Major	Large	As Above	Mid way between Richmond and Hughenden	Perennial	As Above	Required
WWB_221	99	Major	Large	As Above	Mid way between Richmond and Hughenden	Perennial	As Above	Required
WWB_234	92	Major	Medium		West of Richmond	Ephemeral	Cluster of 4 towers through 3 major crossing (92, 94 & 95); As the river splits, it is not possible to avoid	Required
WWB_235	94	Major	Medium	As Above	West of Richmond	Ephemeral	As Above	Required
WWB_236	95	Major	Large	As Above	West of Richmond	Ephemeral	As Above	Required
WWB_237	117	Major	Large		Mid way between Richmond and Julia Creek	Ephemeral	Cluster of towers through split creeks	Required
WWB_238	124	Major	Large	As Above	Mid way between Richmond and Julia Creek	Ephemeral	Cluster of towers through split creeks	Required
WWB_239	123	Major	Medium	As Above	Mid way between Richmond and Julia Creek	Ephemeral	Cluster of towers through split creeks	Required
WWB_240	119	Major	Large		East of Julia Creek	Perennial	Lots wet and unavoidable	Required
WWB_241	115	Major	Small		East of Julia Creek	Ephemeral	Appears very minor, but needs to be crossed to access tower site	Required
WWB_242	114	Major	Large		East of Julia Creek	Perennial	Possible to avoid by only accessing from the western side (utilising Crossing 118)	May not be required
WWB_243	120	Major	Large		MINAMERE NELIA ROAD	Perennial	Crossing already exists in some form	May not be required
WWB_244	121	Major	Large		MINAMERE NELIA ROAD	Perennial	Crossing already exists in some form	May not be required
WWB_245	122	Major	Large		MINAMERE NELIA ROAD	Perennial	Crossing already exists in some form	May not be required
WWB_246	118	Major	Medium	See 114	East of Julia Creek	Ephemeral	Unavoidable	Required
WWB_247	116	Major	Medium	See 118	East of Julia Creek	Ephemeral	Unavoidable	Required

## Copperstring 2.0

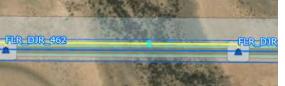
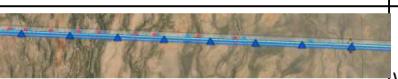
## Waterway Barriers

Line No.	Line From	Line To	Crossing No.	FID	Creek Category	Size	Waterway Barrier Control Type and Size - Access Track Bed				Erosion Control Access Track Batters / Steep Stream Banks			DA Required
							Bog Mats	Bed Level Crossing	Culvert Crossing	Control Dimensions (m)	Rip Rap Stabilisation	Soil Binders	Control Dimensions (m2)	
L1	Woodstock Substation	Flinders Substation	WWB_01	409	High	Medium	-	1	-	20	-	1	80	1
			WWB_02	314	Moderate	Small	-	1	-	15	-	-	-	-
			WWB_03	381	Low	Small	1	-	-	10	-	-	-	-
			WWB_04	404	Moderate	Small	-	1	-	15	-	-	-	-
			WWB_05	353	Low	Small	1	-	-	10	-	-	-	-
			WWB_06	328	Moderate	Medium	-	1	-	20	1	-	80	-
			WWB_07	315	Low	Small	1	-	-	10	-	-	-	-
			WWB_08	387	Low	Small	1	-	-	10	-	-	-	-
			WWB_09	380	Low	Small	1	-	-	10	-	-	-	-
			WWB_10	354	Low	Small	1	-	-	10	-	-	-	-
			WWB_11	410	Low	Small	1	-	-	10	-	-	-	-
			WWB_12	384	Low	Small	1	-	-	10	-	-	-	-
			WWB_13	350	Moderate	Medium	-	1	-	20	-	-	-	-
			WWB_14	400	Moderate	Small	-	1	-	15	-	-	-	-
			WWB_15	401	Moderate	Small	-	1	-	15	-	-	-	-
			WWB_16	402	Moderate	Small	-	1	-	15	-	-	-	-
			WWB_17	399	Low	Medium	1	-	-	10	1	-	40	-
			WWB_18	325	Moderate	Medium	-	1	-	20	-	-	-	-
			WWB_19	403	Low	Medium	1	-	-	10	1	-	40	-
			WWB_20	316	Low	Small	1	-	-	10	-	-	-	-
			WWB_21	323	Moderate	Small	-	1	-	15	-	-	-	-
			WWB_22	351	Low	Small	1	-	-	10	-	-	-	-
			WWB_23	388	Low	Medium	-	1	-	20	1	-	80	-
			WWB_24	361	Low	Medium	-	1	-	20	-	-	-	-
			WWB_25	385	Low	Medium	-	1	-	20	-	-	-	-
			WWB_26	386	Low	Small	1	-	-	10	-	-	-	-
			WWB_27	317	Low	Small	1	-	-	10	-	-	-	-
			WWB_28	383	Major	Large	-	1	-	30	-	1	120	TBC
			WWB_29	295	Major	Large	-	1	-	30	1	1	120	1
			WWB_30	352	Low	Small	1	-	-	10	-	-	-	-
			WWB_31	329	Moderate	Medium	-	1	-	20	-	-	-	-
			WWB_32	331	Moderate	Medium	-	1	-	20	-	-	-	-
			WWB_33	327	Moderate	Medium	-	1	-	20	-	-	-	-
			WWB_34	375	Major	Large	-	1	-	30	-	1	120	TBC
			WWB_35	378	Major	Large	-	1	-	30	-	1	120	TBC
			WWB_36	398	Low	Small	1	-	-	10	-	-	-	-
			WWB_37	360	Low	Medium	-	1	-	20	-	-	-	-
			WWB_38	376	High	Medium	-	1	-	20	-	1	80	1
			WWB_39	312	Moderate	Medium	-	1	-	20	-	-	-	-
			WWB_40	349	Moderate	Medium	-	1	-	20	-	-	-	-
			WWB_41	313	Low	Medium	-	1	-	20	-	-	-	-
			WWB_42	382	Low	Medium	-	1	-	20	-	-	-	-
			WWB_43	364	Low	Small	1	-	-	10	-	-	-	-
			WWB_44	397	Low	Medium	-	1	-	20	-	-	-	-
			WWB_45	374	High	Large	-	1	-	30	-	1	120	1
			WWB_46	330	Moderate	Large	-	1	-	30	-	-	-	-
			WWB_47	406	Moderate	Large	-	1	-	30	-	-	-	-
			WWB_48	237	Moderate	Medium	-	1	-	20	-	-	-	-
			WWB_49	363	Major	Large	-	1	-	30	-	1	120	TBC
			WWB_50	219	Low	Small	1	-	-	10	-	-	-	-
			WWB_51	303	Moderate	Medium	-	1	-	20	-	-	-	-
			WWB_52	218	Low	Small	1	-	-	10	-	-	-	-
			WWB_53	319	Low	Small	1	-	-	10	-	-	-	-
			WWB_54	318	Low	Medium	-	1	-	20	-	-	-	-
			WWB_55	396	Moderate	Medium	-	1	-	20	-	-	-	-
			WWB_56	221	Low	Small	1	-	-	10	-	-	-	-
			WWB_57	210	Moderate	Medium	-	1	-	20	-	-	-	-
			WWB_58	391	High	Medium	-	1	-	20	-	1	80	1
			WWB_59	405	Moderate	Medium	-	1	-	20	-	-	-	-
			WWB_60	348	Moderate	Medium	-	1	-	20	-	-	-	-
			WWB_61	377	Major	Medium	-	1	-	20	-	1	80	TBC
			WWB_62	366	Low	Medium	-	1	-	20	-	-	-	-
			WWB_63	326	Moderate	Medium	-	1	-	20	-	-	-	-
			WWB_64	379	Low	Small	1	-	-	10	-	-	-	-
			WWB_65	324	Moderate	Medium	-	1	-	20	-	-	-	-
			WWB_66	332	Moderate	Medium	-	1	-	20	-	-	-	-
			WWB_67	365	Moderate	Small	-	1	-	15	-	-	-	-
			WWB_68	373	High									

		WWB_117	339	Low	Medium	-	1	-	20	-	-	-	-	-
		WWB_118	227	Low	Medium	-	1	-	20	-	-	-	-	-
		WWB_119	338	Low	Medium	-	1	-	20	-	-	-	-	-
		WWB_120	395	Moderate	Medium	-	1	-	20	-	-	-	-	-
		WWB_121	390	High	Large	-	1	-	30	1	1	120	1	
		WWB_122	370	High	Large	-	1	-	30	-	1	120	1	
		WWB_123	340	Low	Small	1	-	-	10	-	-	-	-	
		WWB_124	341	Low	Small	1	-	-	10	-	-	-	-	
		WWB_125	299	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_126	301	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_127	393	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_128	224	Low	Small	1	-	-	10	-	-	-	-	
		WWB_129	334	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_130	333	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_131	320	Low	Small	1	-	-	10	-	-	-	-	
		WWB_132	225	Low	Small	1	-	-	10	-	-	-	-	
		WWB_133	362	Major	Large	-	-	-	30	-	1	120	1	
		WWB_134	392	High	Large	-	1	-	30	-	1	120	1	
		WWB_135	337	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_136	305	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_137	304	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_138	214	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_139	215	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_140	311	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_141	217	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_142	345	Major	Major	-	-	-	50	-	1	200	1	
		WWB_143	220	Low	Small	1	-	-	10	-	-	-	-	
		WWB_144	251	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_145	283	Low	Small	1	-	-	10	-	-	-	-	
		WWB_146	284	Low	Small	1	-	-	10	-	-	-	-	
		WWB_147	285	Low	Small	1	-	-	10	-	-	-	-	
		WWB_148	244	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_149	293	Major	Major	-	-	-	50	-	1	200	TBC	
		WWB_150	66	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_151	282	Low	Small	1	-	-	10	-	-	-	-	
		WWB_152	281	Low	Small	1	-	-	10	-	-	-	-	
		WWB_153	280	Low	Small	1	-	-	10	-	-	-	-	
		WWB_154	84	High	Medium	-	1	-	20	-	1	80	1	
		WWB_155	289	Major	Medium	-	1	-	20	-	1	80	TBC	
		WWB_156	67	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_157	72	Low	Small	1	-	-	10	-	-	-	-	
		WWB_158	239	Low	Small	1	-	-	10	-	-	-	-	
		WWB_159	240	Low	Small	1	-	-	10	-	-	-	-	
		WWB_160	279	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_161	56	Low	Small	1	-	-	10	-	-	-	-	
		WWB_162	59	Low	Small	1	-	-	10	-	-	-	-	
		WWB_163	65	High	Medium	-	1	-	20	-	1	80	1	
		WWB_164	62	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_165	63	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_166	294	Major	Large	-	-	-	30	-	1	120	1	
		WWB_167	57	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_168	290	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_169	87	Major	Medium	-	1	-	20	-	1	80	TBC	
		WWB_170	288	Major	Medium	-	1	-	20	-	1	80	TBC	
		WWB_171	243	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_172	68	High	Medium	-	1	-	20	-	1	80	1	
		WWB_173	242	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_174	247	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_175	61	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_176	64	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_177	249	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_178	278	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_179	250	Low	Small	1	-	-	10	-	-	-	-	
		WWB_180	74	Low	Small	1	-	-	10	-	-	-	-	
		WWB_181	238	Low	Small	1	-	-	10	-	-	-	-	
		WWB_182	60	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_183	241	Low	Small	1	-	-	10	-	-	-	-	
		WWB_184	83	High	Large	-	1	-	30	-	1	120	1	
		WWB_185	85	Major	Large	-	-	-	30	-	1	120	1	
		WWB_186	86	Major	Large	-	-	-	30	-	1	120	1	
		WWB_187	292	Major	Major	-	-	-	50	-	1	200	1	
		WWB_188	71	Low	Small	1	-	-	10	-	-	-	-	
		WWB_189	70	Low	Small	1	-	-	10	-	-	-	-	
		WWB_190	69	Low	Small	1	-	-	10	-	-	-	-	
		WWB_191	88	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_192	291	Major	Large	-	-	-	30	-	1	120	1	
		WWB_193	248	Low	Small	1	-	-	10	-	-	-	-	
		WWB_194	58	Low	Small	1	-	-	10	-	-	-	-	
		WWB_195	73	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_196	81	High	Large	-	1	-	30	-	1	120	1	
		WWB_197	245	Low	Small	1	-	-	10	-	-	-	-	
		WWB_198	246	Low	Small	1	-	-	10	-	-	-	-	

		WWB_238	124	Major	Large	-	-	-	30	-	1	120	1	
		WWB_239	123	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_240	119	Major	Large	-	-	-	30	-	1	120	1	
		WWB_241	115	Major	Small	1	-	-	10	-	1	40	1	
		WWB_242	114	Major	Large	-	-	-	30	-	1	120	TBC	
		WWB_243	120	Major	Large	-	-	-	30	-	1	120	TBC	
		WWB_244	121	Major	Large	-	-	-	30	-	1	120	TBC	
		WWB_245	122	Major	Large	-	-	-	30	-	1	120	TBC	
		WWB_246	118	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_247	116	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_248	12	Low	Small	1	-	-	10	-	-	-	-	
		WWB_249	30	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_250	29	Low	Small	1	-	-	10	-	-	-	-	
		WWB_251	126	High	Large	-	1	-	30	-	1	120	1	
		WWB_252	145	High	Large	-	1	-	30	-	1	120	1	
		WWB_253	31	Low	Small	1	-	-	10	-	-	-	-	
		WWB_254	32	Low	Small	1	-	-	10	-	-	-	-	
		WWB_255	144	High	Medium	-	1	-	20	-	1	80	1	
		WWB_256	266	Major	Large	-	-	-	30	-	1	120	1	
		WWB_257	275	Major	Large	-	1	-	30	-	1	120	1	
		WWB_258	127	High	Medium	-	1	-	20	-	1	80	1	
		WWB_259	125	High	Large	-	1	-	30	-	1	120	1	
		WWB_260	128	High	Medium	-	1	-	20	-	1	80	1	
		WWB_261	41	Low	Small	1	-	-	10	-	-	-	-	
		WWB_262	206	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_263	49	Low	Small	1	-	-	10	-	-	-	-	
		WWB_264	191	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_265	190	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_266	192	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_267	261	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_268	270	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_269	269	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_270	257	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_271	256	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_272	255	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_273	254	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_274	268	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_275	267	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_276	262	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_277	272	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_278	263	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_279	252	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_280	273	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_281	260	Major	Large	-	-	-	30	-	1	120	1	
		WWB_282	274	Major	Large	-	-	-	30	-	1	120	1	
		WWB_283	258	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_284	253	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_285	276	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_286	277	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_287	259	Major	Medium	-	1	-	20	-	1	80	1	
		WWB_288	194	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_289	193	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_290	40	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_291	6	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_292	7	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_293	25	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_294	129	High	Large	-	1	-	30	-	1	120	1	
		WWB_295	199	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_296	24	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_297	135	High	Medium	-	1	-	20	-	1	80	1	
		WWB_298	134	High	Medium	-	1	-	20	-	1	80	1	
		WWB_299	138	High	Medium	-	1	-	20	-	1	80	1	
		WWB_300	137	High	Medium	-	1	-	20	-	1	80	1	
		WWB_301	101	Major	Large	-	-	-	30	-	1	120	TBC	
		WWB_302	102	Major	Large	-	-	-	30	-	1	120	TBC	
		WWB_303	93	Major	Large	-	-	-	30	-	1	120	TBC	
		WWB_304	140	High	Large	-	1	-	30	-	1	120	1	
		WWB_305	139	High	Large	-	1	-	30	-	1	120	1	
		WWB_306	142	High	Medium	-	1	-	20	-	1	80	1	
		WWB_307	103	Major	Large	-	-	-	30	-	1	120	TBC	
		WWB_308	136	High	Large	-	1	-	30	-	1	120	1	
		WWB_309	195	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_310	196	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_311	16	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_312	17	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_313	186	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_314	187	Moderate	Medium	-	1	-	20	-	-	-	-	
		WWB_315	43	Low	Medium	-	1	-	20	-	-	-	-	
		WWB_316	407	Low	Small	1	-	-	10	-	-	-	-	
L3	Dajarra Road Substation	Mount Isa	WWB_317	207	Moderate	Medium	-	1	-	20	-	-	-	-
			WWB_318	4	Low	Small	1	-	-	10	-	-	-	-
			WWB_319	5	Low	Small	1	-	-	10	-	-	-	-
			WWB_320	23	Low	Medium	-	1	-	20	-	-	-	-
			WWB_321	19	Low	Small	1	-	-	10	-	-	-	-
			WWB_											

WWB_359	46	Low	Small	1	-	-	10	-	-	-	-	-	-
WWB_360	47	Low	Small	1	-	-	10	-	-	-	-	-	-
WWB_361	48	Low	Small	1	-	-	10	-	-	-	-	-	-
WWB_362	163	Low	Small	1	-	-	10	-	-	-	-	-	-
WWB_363	166	Low	Small	1	-	-	10	-	-	-	-	-	-
WWB_364	169	Low	Small	1	-	-	10	-	-	-	-	-	-
WWB_365	197	Moderate	Medium	-	1	-	20	-	-	-	-	-	-
WWB_366	189	Moderate	Medium	-	1	-	20	-	-	-	-	-	-
WWB_367	168	Low	Small	1	-	-	10	-	-	-	-	-	-
WWB_368	113	High	Large	-	1	-	30	-	1	120	-	1	
WWB_369	165	Low	Small	1	-	-	10	1	-	40	-	-	
WWB_370	173	Moderate	Medium	-	1	-	20	1	-	80	-	-	
WWB_371	184	Moderate	Medium	-	1	-	20	-	-	-	-	-	
WWB_372	167	Low	Small	1	-	-	10	-	-	-	-	-	
WWB_373	91	Major	Large	-	-	-	30	-	1	120	TBC		
WWB_374	90	Major	Large	-	-	-	30	-	1	120	TBC		
WWB_375	89	Major	Large	-	-	-	30	-	1	120	TBC		
WWB_376	170	Moderate	Medium	-	1	-	20	-	-	-	-	-	
WWB_377	112	High	Large	-	1	-	20	-	1	80	1		
WWB_378	111	High	Medium	-	1	-	20	-	1	80	1		
WWB_379	110	High	Medium	-	1	-	20	1	1	80	1		
WWB_380	162	Low	Small	1	-	-	10	-	-	-	-	-	
WWB_381	172	Moderate	Medium	-	1	-	20	-	-	-	-	-	
WWB_382	147	Low	Small	1	-	-	10	-	-	-	-	-	
WWB_383	156	Low	Small	1	-	-	10	-	-	-	-	-	
WWB_384	178	Low	Small	1	-	-	10	-	-	-	-	-	
WWB_385	183	Low	Small	1	-	-	10	-	-	-	-	-	
WWB_386	182	Low	Small	1	-	-	10	-	-	-	-	-	
WWB_387	181	Low	Medium	-	1	-	20	1	-	80	-	-	
WWB_388	177	Low	Small	1	-	-	10	-	-	-	-	-	
WWB_389	80	Moderate	Medium	-	1	-	20	-	-	-	-	-	
WWB_390	79	Moderate	Medium	-	1	-	20	1	-	80	-	-	
WWB_391	346	High	Medium	-	1	-	20	-	1	80	1		
WWB_392	78	Moderate	Medium	-	1	-	20	-	-	-	-	-	
WWB_393	77	Moderate	Medium	-	1	-	20	-	-	-	-	-	
WWB_394	76	Moderate	Medium	-	1	-	20	-	-	-	-	-	
WWB_395	75	Moderate	Medium	-	1	-	20	-	-	-	-	-	
WWB_396	208	Low	Small	1	-	-	10	-	-	-	-	-	
WWB_397	179	Low	Small	1	-	-	10	-	-	-	-	-	
WWB_398	180	Low	Small	1	-	-	10	-	-	-	-	-	
		Total	127	235	0		19	123	13,840	93			

WWB_256	266	Major	Large		South of Julia Creek	Ephemeral	Unavoidable due to branching creeks	Required
WWB_257	275	Major	Large		South of Julia Creek	Ephemeral	Unavoidable due to branching creeks	Required
WWB_267	261	Major	Medium		West of Julia Creek	Ephemeral	261, 270, 269, 257, 256, 255, 254, 268, 267, 262; cluster of branched creeks, impossible to avoid	Required
WWB_268	270	Major	Medium	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_269	269	Major	Medium	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_270	257	Major	Medium	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_271	256	Major	Medium	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_272	255	Major	Medium	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_273	254	Major	Medium	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_274	268	Major	Medium	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_275	267	Major	Medium	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_276	262	Major	Medium	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_277	272	Major	Medium		West of Julia Creek	Ephemeral	272, 263, 252, 273, 260, 274, 258, 253, 276, 277, 259; cluster of branched creeks, impossible to avoid	Required
WWB_278	263	Major	Medium	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_279	252	Major	Medium	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_280	273	Major	Medium	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_281	260	Major	Large	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_282	274	Major	Large	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_283	258	Major	Medium	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_284	253	Major	Medium	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_285	276	Major	Medium	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_286	277	Major	Medium	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_287	259	Major	Medium	As Above	West of Julia Creek	Ephemeral	As Above	Required
WWB_301	101	Major	Large		OORINDI MCKINLAY ROAD	Ephemeral	Use existing culvert/bridge structure in place	May not be required
WWB_302	102	Major	Large		OORINDI MCKINLAY ROAD	Ephemeral	Use existing culvert/bridge structure in place	May not be required
WWB_303	93	Major	Large		OORINDI MCKINLAY ROAD	Ephemeral	Use existing culvert/bridge structure in place	May not be required
WWB_307	103	Major	Large	NA		Ephemeral	Crossing no longer needed.	May not be required
WWB_352	264	Major	Medium	NA	Roxmere Rd	Ephemeral	Use existing culvert/bridge structure in place	May not be required
WWB_353	265	Major	Major		South of Cloncurry	Perennial	Concurry River - Avoidable (can approach from both directions)	May not be required
WWB_373	91	Major	Large		Between Selwyn and Cloncurry	Ephemeral	Cluster of 3 crossing (91, 90 & 89); may be able to be avoided by approaching form the north and south	May not be required
WWB_374	90	Major	Large	As Above	Between Selwyn and Cloncurry	Ephemeral	Cluster of 3 crossing (91, 90 & 89); may be able to be avoided by approaching form the north and south	May not be required
WWB_375	89	Major	Large	As Above	Between Selwyn and Cloncurry	Ephemeral	Cluster of 3 crossing (91, 90 & 89); may be able to be avoided by approaching form the north and south	May not be required

May not be required	29
Required	47