

Table 3-4: Watercourse Crossing Details

UID	Crossing	Crossing Station ³	Crossing Location ³		Estimated Channel Width (m)	Assumed Water Width (m)	Abutment Offset (m)		Total Crossing Length (m)	Catchment (km ²)	Flow (m ³ /s)		Structure Type	Culverts (mm)			Fish Habitat Assessment Location		Approximate Instream HADD Area (m ²)	Approximate Riparian HADD Area (m ²)	
			Northing	Easting			North (m)	South (m)			10%	1%		Single	Double	Triple	Northing	Easting			
63	Petopeko Creek	90+908	5743626.958	660674.101	25.000	22.000	7.000	7.000	36.000	14.2	2.21	3.97	Single Span Structure, Box or Multiple Culverts	2200	1500	1400	5743626.958	660674.101	660	840	
64	Unnamed Crossing	91+353	5744059.297	660568.827						2.2	0.35	0.64	Single Span Structure, Box or Multiple Culverts	1050	750	600	5744059.297	660568.827			
65	Unnamed Crossing	93+129	5745784.933	660148.635						19.2	2.86	5.07	Single Span Structure, Box or Multiple Culverts	2400	1800	1400	5745485.499	659969.111			
66	Unnamed Crossing	93+665	5746316.702	660099.611						9.5	1.49	2.70	Box or Multiple Culverts	1800	1400	1050	5746008.294	659669.411			
67	Unnamed Crossing	99+900	5749043.298	655031.087						0.2	0.03	0.06	Single Culvert	600	-	-	5748972.215	654724.209			
68	Unnamed Crossing	109+350	5757652.713	653261.283						1.0	0.16	0.30	Single or Multiple Culverts	750	600	-	5757876.944	653053.667			
69	Bradbury River	110+578	5758704.839	652705.578	80.000	77.000	7.000	7.000	91.000	555.8	37.94	65.69	MultiSpan Structure (minimum 2 river piers anticipated)	-	-	-	5758705.263	652708.115	2,310	840	
70	Unnamed Crossing	122+150	5768311.570	646927.911						2.0	0.31	0.56	Single or Multiple Culverts	900	750	600	5768094.861	646795.389			
71	Unnamed Crossing	124+225	5769311.438	645109.701						5.1	0.81	1.47	Single or Multiple Culverts	1400	1050	900	5769130.541	644990.182			
72	Unnamed Crossing	125+605	5769976.411	643900.482						2.2	0.35	0.64	Single or Multiple Culverts	1050	750	600	5770034.090	643933.828			
73	Unnamed Crossing	129+790	5773798.602	642669.685						27.7	3.97	6.94	Multiple Culverts	-	2000	1600	5773830.180	642749.020			
74	Unnamed Crossing	131+950	5775928.064	642307.754						7.4	1.18	2.12	Single or Multiple Culverts	1600	1200	1050	5775952.728	642380.097			
75	Unnamed Crossing	133+295	5777253.644	642080.285						9.9	1.56	2.82	Single or Multiple Culverts	1800	1400	1200	5777283.301	642094.451			
76	Unnamed Crossing	140+379	5784108.086	641781.541						0.0	0.00	0.00	Single Culvert	600	-	-	5784108.086	641781.541			
77	Pigeon River	141+149	5784770.476	642159.702	75.000	72.000	12.000	7.000	91.000	19,038.1	327.28	456.03	MultiSpan Structure (minimum 1 river pier anticipated)	-	-	-	5784770.476	642159.702	2,160	1,140	
78	Unnamed Crossing	142+610	5786134.456	642608.278	125.000	20.000	7.000	7.000	34.000	2.4	0.38	0.68	Single or Multiple Culverts	1050	750	600	5786468.179	642152.269	600	840	
79	Unnamed Crossing	144+795	5788295.269	642932.489	185.000	12.000	4.000	4.000	20.000	4.4	0.69	1.24	Box or Multiple Culverts	1400	900	900	5788766.793	642241.688	360	480	
80	Unnamed Crossing	145+965	5789428.078	642751.626	15.000	7.000	4.000	4.000	15.000	11.8	1.86	3.35	Single Span Structure, Box or Multiple Culverts	2000	1400	1200	5789281.031	642288.536	210	480	
81	Unnamed Crossing	151+589	5794723.499	643906.899						3.2	0.51	0.92	Single or Multiple Culverts	1200	900	750	5794723.499	643906.899			
82	Unnamed Crossing	152+582	5795714.991	643859.487	200.000	7.000	4.000	4.000	15.000	3.6	0.56	1.01	Single or Multiple Culverts	1200	900	750	5795714.984	643859.487	210	480	
83	Unnamed Crossing	155+815	5798630.340	642703.255						0.9	0.14	0.25	Single or Multiple Culverts	750	600	-	5798429.624	642708.365			
84	Berens River	156+105	5798915.708	642734.893	55.000	52.000	12.000	12.000	76.000	21,121.4	301.25	509.94	MultiSpan Structure (minimum 1 river pier anticipated)	-	-	-	5798915.696	642734.893	1,560	1,440	
																	Totals	11,100	14,460		

Notes:

1 Approximate stream channel width determined from low-level ortho-imagery collected in 2009 based on aquatic assessment locations.

2 Estimated riparian width derived from the difference between total crossing length and approximate stream channel width.

3 Watercourse crossing stations and coordinates based on alignment drawings RT-01 to RT-05 Revision 10

Blue Color - These crossings have been identified as having low likelihood of HADD

Crossing names in bold text - Largest crossings along the ASR