

Site	YPS-411	YPS-119	YPS-578	YPS-579	YPS-108	YPS-571	YPS-429	YPS-414	YPS-082	YPS-508
Sample Year	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015
Sample Date	22/07/2015	20/07/2015	23/07/2015	20/07/2015	29/07/2015	16/07/2015	21/07/2015	22/07/2015	29/07/2015	16/07/2015
Status	Test	Test	Test	Test	Test	Test	Test	Test	Test	Test
Bankfull Width (m)	8.2	1.5	3.6	3.3	12.6	5.3	18.5	12.3	10.7	15.1
Wetted Width (m)	1.7	1.5	1.1	3.1	4.1	3.5	15.2	11.7	3	4.7
Channel Depth Average (cm)	7.9	10.4	10	12.5	15	15	13.7	15.3	17	19.5
Channel Depth Max (cm)	11.4	12	15	16.5	18	19	19.5	20.5	23	24.5
Slope m/m	0.05	0.025	0.025	0.02	0.03	0.065	0.01	0.01	0.025	0.032
Max Water Velocity (m/s)	0.1	0.5	0.2	0.4	0.9	0.8	0.6	0.7	0.4	1
Average Water Velocity (m/s)	0.1	0.37	0.2	0.37	0.63	0.53	0.52	0.48	0.33	0.73
Dominant Substrate-1st	6.4 – 12.8 cm (cobble)	6.4 – 12.8 cm (cobble)	0.2 – 1.6 cm (gravel)	6.4 – 12.8 cm (cobble)	6.4 – 12.8 cm (cobble)	6.4 – 12.8 cm (cobble)	1.6 – 3.2 cm (pebble)	3.2 – 6.4 cm (pebble)	6.4 – 12.8 cm (cobble)	6.4 – 12.8 cm (cobble)
Dominant Substrate-2nd	3.2 – 6.4 cm (pebble)	1.6 – 3.2 cm (pebble)	6.4 – 12.8 cm (cobble)	1.6 – 3.2 cm (pebble)	12.8 – 25.6 cm (cobble)	12.8 – 25.6 cm (cobble)	6.4 – 12.8 cm (cobble)	6.4 – 12.8 cm (cobble)	12.8 – 25.6 cm (cobble)	3.2 – 6.4 cm (pebble)
Surrounding Substrate Material	1.6 – 3.2 cm (pebble)	0.2 – 1.6 cm (gravel)	0.1 – 0.2 cm (sand)	0.2 – 1.6 cm (gravel)	0.1 – 0.2 cm (sand)	1.6 – 3.2 cm (pebble)	0.1 – 0.2 cm (sand)	0.1 – 0.2 cm (sand)	0.2 – 1.6 cm (gravel)	0.2 – 1.6 cm (gravel)
Substrate Embeddedness	1/4 Embedded	1/2 Embedded	1/2 Embedded	1/4 Embedded	1/4 Embedded	Unembedded	1/2 Embedded	1/2 Embedded	1/2 Embedded	Unembedded
Pools	Absent	Present	Present	Absent	Absent	Present	Present	Absent	Absent	Present
Rapids	Absent	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent	Present
Riffles	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
Straight Run	Present	Absent	Present	Present	Absent	Absent	Present	Present	Present	Absent
Canopy Coverage (%)	Jan-25	76-100	76-100	76-100	Jan-25	Jan-25	Jan-25	26-50	Jan-25	Jan-25
Periphyton Coverage	Thin layer, no colour	Thin layer, no colour	Yellow-brown to light	Patches of thicker green	Thin layer, no colour	Thin layer, no colour	Thin layer, no colour	Thin layer, no colour	Thin layer, no colour	Thin layer, no colour
Macrophyte Coverage (%)	None	None	None	Jan-25	None	None	None	None	None	None
Riparian Vegetation-Coniferous	Present	Present	Present	Present	Present	Present	Absent	Present	Absent	Absent
Riparian Vegetation-Deciduous	Present	Present	Present	Present	Present	Absent	Present	Present	Present	Absent
Riparian Vegetation-Grasses/Ferns	Present	Present	Present	Present	Present	Absent	Present	Present	Present	Present
Riparian Vegetation-Shrubs	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present
General Conductivity (µS/cm)	528	412	64	285	194	162	164	173	231.4	290
Specific Conductance (µS/cm)	662	618	105	464	292.6	253	248	271	340.8	466
DO (mg/L)	9.66	11.8	11.26	11.98	11.14	10.62	10.97	11.33	10.88	11.04
pH (pH)	8.1	8	8	8	7.9	8.2	8.1	8.2	7.7	8.1
TDS (mg/L)	418	381	53	279	155	141	139	144	202	276
TSS (mg/L)	33	1.5	10	10	90	1.5	72	11	550	1.5
Air Temp (Degrees Celsius)	21	21	16	20	17	20	22	15	17	13
Water Temp (Degrees Celsius)	14.41	7.57	4.7	4.83	7.4	6.19	7.23	6.06	8.2	5.27
Turbidity (NTU)	59	0.36	4.9	0.46	19	0.04	84	4.8	350	0.43

Site	YPS-347	YPS-164	YPS-572	YPS-575	YPS-568	YPS-541	YPS-569	YPS-576	YPS-573	YPS-506
Sample Year	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015
Sample Date	23/07/2015	20/07/2015	16/07/2015	31/07/2015	16/07/2015	27/07/2015	29/07/2015	22/07/2015	30/07/2015	16/07/2015
Status	Test	Test	Test	Test	Test	Test	Test	Test	Test	Test
Bankfull Width (m)	15.8	9.8	34.5	6.7	14	9.5	11.8	26	10.7	36
Wetted Width (m)	3.8	8.6	5.2	6.5	6.1	6.7	6.2	8.3	7	11.2
Channel Depth Average (cm)	25.8	18.7	24	26	22.5	25.4	20.4	26.2	25.2	26.1
Channel Depth Max (cm)	27.5	28.5	30	30	31.5	33	34	35.5	39	40
Slope m/m	0.015	0.015	0.02	0.005	0.025	0.015	0.015	0.02	0.01	0.021
Max Water Velocity (m/s)	0.6	1.1	0.8	1.1	0.8	0.8	1.8	0.9	1	1.1
Average Water Velocity (m/s)	0.57	0.84	0.62	0.94	0.52	0.56	0.98	0.68	0.68	0.7
Dominant Substrate-1st	3.2 – 6.4 cm (pebble)	3.2 – 6.4 cm (pebble)	3.2 – 6.4 cm (pebble)	6.4 – 12.8 cm (cobble)	6.4 – 12.8 cm (cobble)	12.8 – 25.6 cm (cobble)	12.8 – 25.6 cm (cobble)	6.4 – 12.8 cm (cobble)	12.8 – 25.6 cm (cobble)	6.4 – 12.8 cm (cobble)
Dominant Substrate-2nd	6.4 – 12.8 cm (cobble)	12.8 – 25.6 cm (cobble)	6.4 – 12.8 cm (cobble)	12.8 – 25.6 cm (cobble)	12.8 – 25.6 cm (cobble)	6.4 – 12.8 cm (cobble)	6.4 – 12.8 cm (cobble)	12.8 – 25.6 cm (cobble)	6.4 – 12.8 cm (cobble)	12.8 – 25.6 cm (cobble)
Surrounding Substrate Material	1.6 – 3.2 cm (pebble)	1.6 – 3.2 cm (pebble)	0.1 – 0.2 cm (sand)	0.1 – 0.2 cm (sand)	1.6 – 3.2 cm (pebble)	0.2 – 1.6 cm (gravel)	1.6 – 3.2 cm (pebble)	0.2 – 1.6 cm (gravel)	0.2 – 1.6 cm (gravel)	1.6 – 3.2 cm (pebble)
Substrate Embeddedness	1/4 Embedded	1/2 Embedded	1/4 Embedded	Unembedded	1/4 Embedded	1/4 Embedded	1/2 Embedded	1/2 Embedded	1/4 Embedded	Unembedded
Pools	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Present	Present	Absent
Rapids	Absent	Absent	Present	Absent	Absent	Present	Present	Present	Absent	Absent
Riffles	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
Straight Run	Absent	Absent	Absent	Present	Absent	Present	Absent	Absent	Present	Absent
Canopy Coverage (%)	Jan-25	26-50	Jan-25	Jan-25	Jan-25	Jan-25	None	Jan-25	Jan-25	Jan-25
Periphyton Coverage	Patches of thicker green	Thin layer, no colour	Thin layer, no colour	Thin layer, no colour	Thin layer, no colour	Thin layer, no colour	Thin layer, no colour	Yellow-brown to light	Thin layer, no colour	Thin layer, no colour
Macrophyte Coverage (%)	None	None	None	Jan-25	None	None	None	None	None	None
Riparian Vegetation-Coniferous	Present	Absent	Present	Present	Absent	Present	Absent	Present	Present	Present
Riparian Vegetation-Deciduous	Present	Present	Absent	Absent	Absent	Present	Absent	Present	Absent	Present
Riparian Vegetation-Grasses/Ferns	Absent	Absent	Absent	Present	Absent	Present	Absent	Absent	Present	Absent
Riparian Vegetation-Shrubs	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
General Conductivity (µS/cm)	61	312	291	106.2	247	124.2	162.7	172	162	252
Specific Conductance (µS/cm)	99	439	456	162.4	353	199.6	236.2	266	235.8	337
DO (mg/L)	10.3	10.47	11.2	10.92	88.1	11.41	10.83	11.17	10.54	10.06
pH (pH)	8.2	8	8.3	7.9	8.1	7.6	7.6	8	8	8.2
TDS (mg/L)	50	258	272	85	209	106	135	142	132	198
TSS (mg/L)	9	7	1.5	12	1.5	222	199	8	484	54
Air Temp (Degrees Celsius)	20	20	10	15	22	15	16	22	12	26
Water Temp (Degrees Celsius)	4.55	9.9	6.06	6.9	9.18	5.2	8.7	6.47	8.6	11.82
Turbidity (NTU)	2.6	2.2	0.66	2.2	0.1	53	120	3.9	660	57

Site	YPS-147	YPS-379	YPS-542	YPS-084	YPS-348	YPS-149	YPS-574	YPS-201	YPS-577	YPS-540
Sample Year	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015
Sample Date	30/07/2015	27/07/2015	27/07/2015	29/07/2015	23/07/2015	30/07/2015	31/07/2015	21/07/2015	22/07/2015	27/07/2015
Status	Test	Test	Test	Test	Test	Test	Test	Test	Test	Test
Bankfull Width (m)	16.7	20.9	7.8	7.4	21.6	5.2	6.7	31	22.6	16.6
Wetted Width (m)	15.5	15.3	6.3	5	13.9	4.5	5.7	18	11.4	7.6
Channel Depth Average (cm)	32.8	35	29.4	31.2	35	32.4	37	39.8	35.2	43
Channel Depth Max (cm)	40	41	42	44	48	48	52	53.5	56	56
Slope m/m	0.02	0.02	0.015	0.005	0.01	0.025	0.015	0.01	0.005	0.02
Max Water Velocity (m/s)	1.1	0.9	1.1	0.8	0.7	1.1	0.9	1	0.6	1
Average Water Velocity (m/s)	0.8	0.84	0.86	0.7	0.56	0.84	0.72	0.74	0.44	0.78
Dominant Substrate-1st	> 25.6 cm (boulder)	6.4 – 12.8 cm (cobble)	6.4 – 12.8 cm (cobble)	6.4 – 12.8 cm (cobble)	3.2 – 6.4 cm (pebble)	12.8 – 25.6 cm (cobble)	12.8 – 25.6 cm (cobble)	6.4 – 12.8 cm (cobble)	3.2 – 6.4 cm (pebble)	6.4 – 12.8 cm (cobble)
Dominant Substrate-2nd	12.8 – 25.6 cm (cobble)	3.2 – 6.4 cm (pebble)	12.8 – 25.6 cm (cobble)	0.2 – 1.6 cm (gravel)	6.4 – 12.8 cm (cobble)	6.4 – 12.8 cm (cobble)	6.4 – 12.8 cm (cobble)	12.8 – 25.6 cm (cobble)	6.4 – 12.8 cm (cobble)	12.8 – 25.6 cm (cobble)
Surrounding Substrate Material	0.2 – 1.6 cm (gravel)	0.2 – 1.6 cm (gravel)	0.1 – 0.2 cm (sand)	<0.1 cm (silt)	0.1 – 0.2 cm (sand)	1.6 – 3.2 cm (pebble)	1.6 – 3.2 cm (pebble)	1.6 – 3.2 cm (pebble)	0.1 – 0.2 cm (sand)	0.1 – 0.2 cm (sand)
Substrate Embeddedness	1/2 Embedded	1/4 Embedded	1/4 Embedded	1/2 Embedded	1/2 Embedded	1/4 Embedded	1/4 Embedded		1/2 Embedded	Unembedded
Pools	Absent	Present	Present	Absent	Present	Absent	Present	Present	Present	Present
Rapids	Present	Absent	Present	Absent	Absent	Present	Present	Absent	Absent	Present
Riffles	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
Straight Run	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
Canopy Coverage (%)	Jan-25	Jan-25	Jan-25	Jan-25	26-50	26-50	Jan-25	Jan-25	Jan-25	Jan-25
Periphyton Coverage	Thin layer, no colour	Thin layer, no colour	Thin layer, no colour	Thin layer, no colour	Yellow-brown to light	Thin layer, no colour	Thin layer, no colour	Yellow-brown to light	Yellow-brown to light	Thin layer, no colour
Macrophyte Coverage (%)	None	None	None	None	None	None	None	None	Jan-25	None
Riparian Vegetation-Coniferous	Present	Present	Present	Absent	Present	Present	Present	Present	Present	Present
Riparian Vegetation-Deciduous	Present	Present	Present	Present	Present	Present	Absent	Present	Present	Present
Riparian Vegetation-Grasses/Ferns	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present
Riparian Vegetation-Shrubs	Present	Present	Present	Present	Present	Present	Present	Absent	Present	Present
General Conductivity (µS/cm)	166.6	162.6	156.8	79.4	120	120.2	46.6	156	112	128
Specific Conductance (µS/cm)	249.1	253.2	257.1	137.5	170	184.8	75.2	204	162	190.7
DO (mg/L)	11.15	11.07	11.4	11.89	10.08	11.2	11.39	9.83	10.32	10.62
pH (pH)	8	7.7	7.7	7.3	8.2	7.6	7	8.1	8.3	7.4
TDS (mg/L)	141	142	143	97	91	105	39	107	85	105
TSS (mg/L)	20	52	8	795	12	17	5	7	8	114
Air Temp (Degrees Celsius)	12	16	16	13	11	12	9	22	18	19
Water Temp (Degrees Celsius)	7.6	6.3	4.6	5.2	9.43	6.7	5.2	12.69	7.72	7.8
Turbidity (NTU)	11	15	2.4	150	3.9	7.8	0.93	1.9	0.27	40

