

Level 1 - Habitat Survey Data Form

G3 Consulting Ltd

Forest District: Chilcotin Watershed Name: Homathko River
 Survey Date (YYYY/MM/DD): 1998/10/20 Watershed Code: 900-4069-000-000-000
 Weather: Clear, 1°C Survey Crew: FK/DB
 Subsampling Fractions: Riffles: 0/0 Pools: 6/13 Glides: 5/12 Cascades: 0/0 Other: 0/0
 Discharge (m³·s⁻¹): 0.93 m³·s⁻¹ NTS map sheets: 92N/9
 BCGS (TRIM) Maps: 92N.068, 92N.078

ID	Sub Basin Name	Reach Num	Zone	UTM			Dist (m)	Hab. Unit		Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
				Easting	Northing	Type		Cat	Bankfull (m)			Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt	
																								Zone
1	Homathko R.	4	10	401951	5727023	0	P	1	8	0.5	1.20	0.80	10.2	8.5	2.0	0.45	1.35	S	S	G	NA	R	H	
2	Homathko R.	4	10	NA	NA	8	G	1	30	0.5	0.70	0.42	9.1	7.7	NA	NA	NA	NA	S	G	NA	R	H	
3	Homathko R.	4	10	NA	NA	38	P	1	6	0.5	1.30	0.70	NA	NA	NA	NA	NA	NA	S	G	NA	R	H	
4	Homathko R.	4	10	NA	NA	42	G	1	10	0.5	NA	NA	NA	NA	NA	NA	NA	NA	G	S	NA	R	H	
5	Homathko R.	4	10	NA	NA	52	P	1	25	NA	NA	NA	10.3	9.6	NA	NA	NA	NA	S	G	NA	R	H	
6	Homathko R.	4	10	NA	NA	77	G	1	22	NA	1.05	0.66	NA	NA	NA	NA	NA	NA	G	S	NA	R	H	
7	Homathko R.	4	10	NA	NA	99	P	1	10	NA	1.40	1.20	10.1	8.2	1.7	0.6	1.10	S	S	G	NA	R	H	

ID	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
1	3	3	0	0	OV	20	DP	20	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool
2	0	NA	NA	NA	OV	10	IV	5	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary glide
3	1	0	1	0	OV	15	DP	30	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool, deep pool
4	2	0	0	0	OV	20	IV	5	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary glide
5	2	2	0	0	OV	30	DP	30	N	NA	NA	N	NA	NA	S	SHR	1	N	Long deep pool on outside of bend
6	0	NA	NA	NA	OV	20	IV	10	N	NA	NA	N	NA	NA	S	SHR	1	N	Deep glide, IV abundant
7	3	2	1	0	C	10	OV	10	N	NA	NA	N	NA	NA	S	SHR	1	N	Submerged tree group in primary pool

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	Sub Basin Name	Reach Num	UTM			Dist (m)	Hab. Unit		Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
			Zone	Easting	Northing		Type	Cat			Bankfull (m)	Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt
8	Homathko R.	4	10	NA	NA	109	G	1	40	0.5	0.85	0.60	10.0	10.0	NA	NA	NA	NA	G	S	NA	R	H
9	Homathko R.	4	10	NA	NA	149	P	1	11	0.5	NA	NA	10.8	10.7	NA	NA	NA	NA	S	S	NA	R	L
10	Homathko R.	4	10	NA	NA	160	G	1	8	0.5	0.92	0.65	9.3	8.8	NA	NA	NA	NA	S	G	NA	NA	NA
11	Homathko R.	4	10	NA	NA	168	P	1	10	0.5	NA	NA	8.6	7.4	2.1	0.60	1.50	S	S	G	NA	R	L
12	Homathko R.	4	10	401894	5727148	178	G	1	21	0.5	0.85	0.55	NA	NA	NA	NA	NA	NA	G	S	11	R	H
13	Homathko R.	4	10	NA	NA	199	P	1	7	0.5	NA	NA	10.8	9.7	NA	NA	NA	NA	G	S	10	R	H
14	Homathko R.	4	10	401849	5727175	206	G	1	51	0.5	NA	0.60	NA	NA	NA	NA	NA	NA	G	S	10	R	L
15	Homathko R.	4	10	NA	NA	257	P	1	6	0.5	1.45	1.20	8.6	8.1	2.6	0.60	2.0	S	S	G	NA	R	L
16	Homathko R.	4	10	NA	NA	262	G	1	24	NA	0.85	0.52	7.1	6.7	NA	NA	NA	NA	G	NA	NA	NA	NA
17	Homathko R.	4	10	401890	5727075	286	P	1	13	NA	1.80	1.50	14.6	14.1	3.0	0.21	2.89	S	S	G	NA	R	L

	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
8	2	0	2	0	OV	25	LWD	5	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary glide w/ embedded pool
9	0	NA	NA	NA	OV	15	DP	10	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary deep pool
10	0	NA	NA	NA	OV	10	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary glide, channel narrows
11	0	NA	NA	NA	OV	30	DP	20	N	NA	NA	EB	NA	NA	S	SHR	1	N	Potential for localized bank stability
12	2	0	2	0	OV	10	IV	10	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary glide
13	0	NA	NA	NA	DP	25	OV	15	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool, extensive spawning gravels
14	3	0	2	1	IV	15	LWD	5	N	NA	NA	EB	NA	NA	S	SHR	1	N	Potential point to apply bioengineering techniques
15	2	0	2	0	DP	20	OV	10	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool
16	2	0	2	0	OV	20	IV	15	N	NA	NA	N	NA	NA	S	SHR	1	N	Localized spawning habitat at head of glide, narrower channel, high amount of IV
17	0	0	0	0	DP	30	OV	10	N	NA	NA	N	NA	NA	S	SHR	1	N	Large, deep primary pool, channel widens

Level 1 - Habitat Survey Data Form (Cont.)

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	Sub Basin Name	Reach Num	UTM			Dist (m)	Hab. Unit		Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
			Zone	Easting	Northing		Type	Cat			Bankfull (m)	Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt
18	Homathko R.	4	10	NA	NA	299	G	1	61	NA	NA	8.1	7.6	NA	NA	NA	NA	G	S	NA	R	H	
19	Homathko R.	4	10	NA	NA	362	P	1	10	NA	NA	8.4	8.1	NA	NA	NA	NA	S	G	NA	R	L	
20	Homathko R.	4	10	NA	NA	372	G	1	67	NA	NA	7.8	7.4	NA	NA	NA	NA	S	G	NA	R	L	
21	Homathko R.	4	10	NA	NA	439	P	1	6	NA	NA	8.2	7.3	NA	NA	NA	NA	S	G	NA	R	L	
22	Homathko R.	4	10	NA	NA	445	G	1	36	0.90	0.49	8.3	8.1	NA	NA	NA	NA	G	S	40	R	L	
23	Homathko R.	4	10	NA	NA	481	P	1	7	0.5	1.80	1.40	9.8	9.5	2.0	0.49	1.51	S	S	G	NA	R	L
24	Homathko R.	4	10	401805	5727036	488	G	1	45	NA	NA	7.3	6.8	NA	NA	NA	NA	G	S	NA	R	L	
25	Homathko R.	4	10	NA	NA	533	P	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	R	L	

	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
18	2	NA	NA	NA	IV	15	C	5	N	NA	NA	N	NA	NA	S	SHR	1	N	Spawning gravel abundant
19	0	NA	NA	NA	OV	15	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool
20	5	NA	NA	NA	IV	10	OV	10	N	NA	NA	N	NA	NA	S	SHR	1	N	Potential to flush sediment and increase spawning quality
21	0	NA	NA	NA	DP	10	OV	5	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool
22	3	NA	NA	NA	DP	30	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	LWD not functioning in this reach, low gradient
23	0	NA	NA	NA	DP	10	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool
24	0	NA	NA	NA	OV	15	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary glide, channel narrows, POT
25	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N	Bank sluff UTM 10.401845,5727327

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Forest District: Chilcotin Watershed Name: Homathko River Reach 5
 Survey Date (YYYY/MM/DD): 1998/10/20 Watershed Code: 900-4069-000-000-000
 Weather: Clear, 1°C Survey Crew: FK/DB
 Subsampling Fractions: Riffles: 0/0 Pools: 7/12 Glides: 7/11 Cascades: 0/0 Other: 0/0
 Discharge (m³·s⁻¹): 0.93 m³·s⁻¹ NTS map sheets: 92N/9
 BCGS (TRIM) Maps: 92N.068, 92N.078

ID	Sub Basin Name	Reach Num	Zone	UTM			Dist (m)	Hab. Unit		Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
				Easting	Northing	Type		Cat	Bankfull (m)			Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt	
																								Zone
1	Homathko R.	5	10	401266	5728500	0	P	1	6	0.5	NA	NA	11.9	10.9	0.82	0.58	NA	S	S	G	40	R	L	
2	Homathko R.	5	10	NA	NA	6	G	1	31	NA	0.76	0.36	9.1	8.6	NA	NA	NA	NA	S	G	NA	R	L	
3	Homathko R.	5	10	NA	NA	37	P	1	17	NA	1.90	1.40	8.1	7.2	2.20	0.36	NA	S	S	G	NA	R	L	
4	Homathko R.	5	10	NA	NA	54	G	1	56	NA	1.20	0.70	8.2	7.8	NA	NA	NA	NA	G	S	14	R	L	
5	Homathko R.	5	10	NA	NA	110	P	1	10	NA	NA	NA	9.5	8.3	NA	NA	NA	NA	S	G	NA	R	H	
6	Homathko R.	5	10	NA	NA	120	G	1	24	NA	1.00	0.50	12.0	10.1	NA	NA	NA	NA	G	S	15	R	H	
7	Homathko R.	5	10	NA	NA	144	P	1	11	NA	1.50	1.30	10.8	10.2	1.5	0.50	1.00	S	S	G	NA	R	L	

ID	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
1	11	3	4	1	DP	30	LWD	10	N	NA	NA	EB	MB	NA	N	SHR	NA	N	Primary pool in bend, elevated mid-channel bars
2	7	NA	NA	NA	OV	15	N	NA	N	NA	NA	N	NA	NA	N	SHR	NA	N	Shallow glide, channel narrows
3	3	NA	NA	NA	OV	10	DP	10	N	NA	NA	N	NA	NA	N	SHR	NA	N	Primary pool, narrow channel, deep pool
4	4	0	2	0	OV	15	N	NA	SC	G	NA	N	NA	NA	N	SHR	NA	N	Deep glide, side channel with good access
5	4	0	2	0	DP	30	OV	10	N	NA	NA	N	NA	NA	N	SHR	NA	N	Primary pool, good spawning gravel in secondary riffle
6	2	0	0	0	OV	5	N	NA	N	NA	NA	N	NA	NA	N	SHR	NA	N	Sediment layer on spawning gravel
7	0	0	0	0	DP	40	OV	10	N	NA	NA	N	NA	NA	N	SHR	NA	N	Primary pool, good deep pool cover

Level 1 - Habitat Survey Data Form (Cont.)

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	Sub Basin Name	Reach Num	UTM			Dist (m)	Hab. Unit Type	Unit Cat	Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
			Zone	Easting	Northing						Bankfull (m)	Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt
8	Homathko R.	5	10	401165	5728562	155	G	1	35	0.5	0.80	0.34	8.9	8.7	NA	NA	NA	NA	G	S	50	R	L
9	Homathko R.	5	10	NA	NA	190	P	1	15	0.5	NA	NA	8.1	6.3	NA	NA	NA	NA	G	S	NA	R	L
10	Homathko R.	5	10	NA	NA	205	G	1	30	0.5	NA	NA	NA	NA	NA	NA	NA	NA	G	S	48	R	H
11	Homathko R.	5	10	NA	NA	235	P	1	10	0.5	NA	NA	7.5	7.1	NA	NA	NA	NA	G	S	45	R	H
12	Homathko R.	5	10	401039	5728584	245	G	1	23	0.5	0.70	0.40	7.4	6.8	NA	NA	NA	NA	S	G	NA	R	L
13	Homathko R.	5	10	NA	NA	268	P	1	15	0.5	NA	NA	8.4	8.2	1.10	0.40	0.70	S	G	S	NA	NA	NA
14	Homathko R.	5	10	NA	NA	282	G	1	30	0.5	NA	NA	8.4	8.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	Homathko R.	5	10	NA	NA	312	P	1	6	0.5	0.72	0.35	7.1	6.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	Homathko R.	5	10	NA	NA	318	G	1	30	NA	NA	NA	10.2	10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	Homathko R.	5	10	401107	5728631	348	P	1	12	0.5	NA	NA	10.3	10.1	1.30	0.42	0.88	S	G	S	62	R	L

	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
8	8	8	0	0	LWD	20	OV	10	N	NA	NA	N	NA	NA	S	SHR	2	N	Clean gravel suited to fish spawning, embedded riffle section
9	30	0	30	0	LWD	80	OV	10	N	NA	NA	N	NA	NA	S	SHR	1	N	LWD build-up from banks and OV cover
10	14	NA	NA	NA	OV	15	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary glide, extensive spawning gravels
11	6	NA	NA	NA	OV	15	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool, narrow channel
12	5	NA	NA	NA	OV	10	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary glide, narrow channel
13	1	NA	NA	NA	DP	10	N	NA	SG	G	50	N	NA	NA	S	SHR	1	N	Peak flow sediment deposits
14	2	NA	NA	NA	OV	5	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary glide with extensive spawning gravel
15	3	0	2	0	DP	15	LWD	10	N	NA	NA	N	NA	NA	S	SHR	1	N	Less IV observed, LWD functions in pool
16	2	NA	NA	NA	OV	10	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary glide, channel widens
17	12	5	4	0	OV	10	DP	10	N	NA	NA	N	NA	NA	S	SHR	1	N	Wide primary pool, potential to scour gravel

Level 1 - Habitat Survey Data Form (Cont.)

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	Sub Basin Name	Reach Num	UTM			Dist (m)	Hab. Unit		Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
			Zone	Easting	Northing		Type	Cat			Bankfull (m)	Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt
18	Homathko R.	5	10	NA	NA	360	G	1	58	0.5	0.75	0.42	10.6	10.3	NA	NA	NA	NA	G	S	NA	NA	NA
19	Homathko R.	5	10	NA	NA	418	P	1	9	0.5	1.52	1.20	8.7	8.2	1.50	0.48	1.02	S	G	S	40	R	H
20	Homathko R.	5	10	NA	NA	427	G	1	23	0.5	NA	NA	9.4	9.3	NA	NA	NA	NA	G	S	NA	R	H
21	Homathko R.	5	10	NA	NA	450	P	1	7	0.5	NA	NA	8.0	7.8	NA	NA	NA	NA	G	S	NA	R	L
22	Homathko R.	5	10	NA	NA	457	G	1	18	0.5	0.70	0.38	8.7	8.4	NA	NA	NA	NA	G	S	45	R	H
23	Homathko R.	5	10	401044	5728697	475	P	1	9	0.5	NA	NA	10.1	9.2	2.5	0.40	2.10	S	S	G	NA	R	L

	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
18	12	3	6	0	OV	10	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	Embedded pool at 390 m Embedded riffle at 400 m
19	0	NA	NA	NA	DP	20	OV	5	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool, extensive spawning gravels
20	4	NA	NA	NA	OV	10	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	Embedded riffle at 438m, extensive spawning gravel
21	2	NA	NA	NA	DP	15	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool
22	3	NA	NA	NA	OV	5	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	Clean gravel suited to fish spawning, embedded 5 m riffle
23	7	0	1	0	DP	30	OV	10	N	NA	NA	N	NA	NA	S	SHR	1	N	LWD causing local scour, deep primary pool

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 Weather: Clear, 1°C Survey Crew: FK/DB
 Subsampling Fractions: Riffles: 0/0 Pools: 6/13 Glides: 5/12 Cascades: 0/0 Other: 0/0
 Discharge (m³·s⁻¹): 0.93 m³·s⁻¹ NTS map sheets: 92N/9
 BCGS (TRIM) Maps: 92N.068, 92N.078

ID	Sub Basin Name	Reach Num	Zone	UTM			Dist (m)	Hab. Unit		Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
				Easting	Northing	Type		Cat	Bankfull (m)			Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt	
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1	Homathko R.	4	10	401951	5727023	0	P	1	8	0.5	1.20	0.80	10.2	8.5	2.0	0.45	1.35	S	S	G	NA	R	H	
2	Homathko R.	4	10	NA	NA	8	G	1	30	0.5	0.70	0.42	9.1	7.7	NA	NA	NA	NA	S	G	NA	R	H	
3	Homathko R.	4	10	NA	NA	38	P	1	6	0.5	1.30	0.70	NA	NA	NA	NA	NA	NA	S	G	NA	R	H	
4	Homathko R.	4	10	NA	NA	42	G	1	10	0.5	NA	NA	NA	NA	NA	NA	NA	NA	G	S	NA	R	H	
5	Homathko R.	4	10	NA	NA	52	P	1	25	NA	NA	NA	10.3	9.6	NA	NA	NA	NA	S	G	NA	R	H	
6	Homathko R.	4	10	NA	NA	77	G	1	22	NA	1.05	0.66	NA	NA	NA	NA	NA	NA	G	S	NA	R	H	
7	Homathko R.	4	10	NA	NA	99	P	1	10	NA	1.40	1.20	10.1	8.2	1.7	0.6	1.10	S	S	G	NA	R	H	

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		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
1	3	3	0	0	OV	20	DP	20	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool
2	0	NA	NA	NA	OV	10	IV	5	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary glide
3	1	0	1	0	OV	15	DP	30	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool, deep pool
4	2	0	0	0	OV	20	IV	5	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary glide
5	2	2	0	0	OV	30	DP	30	N	NA	NA	N	NA	NA	S	SHR	1	N	Long deep pool on outside of bend
6	0	NA	NA	NA	OV	20	IV	10	N	NA	NA	N	NA	NA	S	SHR	1	N	Deep glide, IV abundant
7	3	2	1	0	C	10	OV	10	N	NA	NA	N	NA	NA	S	SHR	1	N	Submerged tree group in primary pool

Level 1 - Habitat Survey Data Form (Cont.)

G3 Consulting Ltd.

	Sub Basin Name	Reach Num	UTM			Dist (m)	Hab. Unit		Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
			Zone	Easting	Northing		Type	Cat			Bankfull (m)	Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt
8	Homathko R.	4	10	NA	NA	109	G	1	40	0.5	0.85	0.60	10.0	10.0	NA	NA	NA	NA	G	S	NA	R	H
9	Homathko R.	4	10	NA	NA	149	P	1	11	0.5	NA	NA	10.8	10.7	NA	NA	NA	NA	S	S	NA	R	L
10	Homathko R.	4	10	NA	NA	160	G	1	8	0.5	0.92	0.65	9.3	8.8	NA	NA	NA	NA	S	G	NA	NA	NA
11	Homathko R.	4	10	NA	NA	168	P	1	10	0.5	NA	NA	8.6	7.4	2.1	0.60	1.50	S	S	G	NA	R	L
12	Homathko R.	4	10	401894	5727148	178	G	1	21	0.5	0.85	0.55	NA	NA	NA	NA	NA	NA	G	S	11	R	H
13	Homathko R.	4	10	NA	NA	199	P	1	7	0.5	NA	NA	10.8	9.7	NA	NA	NA	NA	G	S	10	R	H
14	Homathko R.	4	10	401849	5727175	206	G	1	51	0.5	NA	0.60	NA	NA	NA	NA	NA	NA	G	S	10	R	L
15	Homathko R.	4	10	NA	NA	257	P	1	6	0.5	1.45	1.20	8.6	8.1	2.6	0.60	2.0	S	S	G	NA	R	L
16	Homathko R.	4	10	NA	NA	262	G	1	24	NA	0.85	0.52	7.1	6.7	NA	NA	NA	NA	G	NA	NA	NA	NA
17	Homathko R.	4	10	401890	5727075	286	P	1	13	NA	1.80	1.50	14.6	14.1	3.0	0.21	2.89	S	S	G	NA	R	L

	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
8	2	0	2	0	OV	25	LWD	5	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary glide w/ embedded pool
9	0	NA	NA	NA	OV	15	DP	10	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary deep pool
10	0	NA	NA	NA	OV	10	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary glide, channel narrows
11	0	NA	NA	NA	OV	30	DP	20	N	NA	NA	EB	NA	NA	S	SHR	1	N	Potential for localized bank stability
12	2	0	2	0	OV	10	IV	10	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary glide
13	0	NA	NA	NA	DP	25	OV	15	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool, extensive spawning gravels
14	3	0	2	1	IV	15	LWD	5	N	NA	NA	EB	NA	NA	S	SHR	1	N	Potential point to apply bioengineering techniques
15	2	0	2	0	DP	20	OV	10	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool
16	2	0	2	0	OV	20	IV	15	N	NA	NA	N	NA	NA	S	SHR	1	N	Localized spawning habitat at head of glide, narrower channel, high amount of IV
17	0	0	0	0	DP	30	OV	10	N	NA	NA	N	NA	NA	S	SHR	1	N	Large, deep primary pool, channel widens

Level 1 - Habitat Survey Data Form (Cont.)

G3 Consulting Ltd.

	Sub Basin Name	Reach Num	UTM			Dist (m)	Hab. Unit		Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
			Zone	Easting	Northing		Type	Cat			Bankfull (m)	Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt
18	Homathko R.	4	10	NA	NA	299	G	1	61	NA	NA	8.1	7.6	NA	NA	NA	NA	G	S	NA	R	H	
19	Homathko R.	4	10	NA	NA	362	P	1	10	NA	NA	8.4	8.1	NA	NA	NA	NA	S	G	NA	R	L	
20	Homathko R.	4	10	NA	NA	372	G	1	67	NA	NA	7.8	7.4	NA	NA	NA	NA	S	G	NA	R	L	
21	Homathko R.	4	10	NA	NA	439	P	1	6	NA	NA	8.2	7.3	NA	NA	NA	NA	S	G	NA	R	L	
22	Homathko R.	4	10	NA	NA	445	G	1	36	0.90	0.49	8.3	8.1	NA	NA	NA	NA	G	S	40	R	L	
23	Homathko R.	4	10	NA	NA	481	P	1	7	0.5	1.80	1.40	9.8	9.5	2.0	0.49	1.51	S	S	G	NA	R	L
24	Homathko R.	4	10	401805	5727036	488	G	1	45	NA	NA	7.3	6.8	NA	NA	NA	NA	G	S	NA	R	L	
25	Homathko R.	4	10	NA	NA	533	P	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	R	L	

	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
18	2	NA	NA	NA	IV	15	C	5	N	NA	NA	N	NA	NA	S	SHR	1	N	Spawning gravel abundant
19	0	NA	NA	NA	OV	15	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool
20	5	NA	NA	NA	IV	10	OV	10	N	NA	NA	N	NA	NA	S	SHR	1	N	Potential to flush sediment and increase spawning quality
21	0	NA	NA	NA	DP	10	OV	5	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool
22	3	NA	NA	NA	DP	30	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	LWD not functioning in this reach, low gradient
23	0	NA	NA	NA	DP	10	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool
24	0	NA	NA	NA	OV	15	N	NA	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary glide, channel narrows, POT
25	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	N	Bank sluff UTM 10.401845,5727327

Level 1 - Habitat Survey Data Form

G3 Consulting Ltd

Forest District: Chilcotin Watershed Name: Homathko River Reach 11-1
 Survey Date (YYYY/MM/DD): 1998/10/19 Watershed Code: 900-4069-000-000-000
 Weather: Clear, 3°C Survey Crew: FK/DB
 Subsampling Fractions: Riffles: 0/0 Pools: 4/12 Glides: 7/13 Cascades: 0/0 Other: 0/0
 Discharge (m³·s⁻¹): 0.88 m³·s⁻¹ NTS map sheets: 92N/9
 BCGS (TRIM) Maps: 92N.068, 92N.078

	Sub Basin Name	Reach Num	Zone	UTM		Dist (m)	Hab. Unit Type	Cat	Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
				Eastings	Northing						Bankfull (m)	Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt
1	Homathko R.	11-1	10	397973	5737382	0	G	1	12	0.5	0.58	0.28	3.9	3.7	NA	NA	NA	NA	S	G	9	R	L
2	Homathko R.	11-1	10	NA	NA	12	P	1	6	0.5	0.78	0.44	2.8	2.2	0.66	0.22	0.44	S	S	G	NA	R	L
3	Homathko R.	11-1	10	NA	NA	18	G	1	12	NA	NA	NA	4.0	3.8	NA	NA	NA	NA	G	S	NA	R	H
4	Homathko R.	11-1	10	NA	NA	20	P	1	4	NA	NA	NA	4.9	4.5	NA	NA	NA	NA	S	G	NA	R	L
5	Homathko R.	11-1	10	NA	NA	34	G	1	10	NA	NA	NA	5.7	5.7	NA	NA	NA	NA	G	S	NA	R	H
6	Homathko R.	11-1	10	NA	NA	44	P	1	6	NA	NA	NA	5.8	5.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
7	Homathko R.	11-1	10	NA	NA	50	G	1	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
1	0	NA	NA	NA	OV	60	CB	10	N	NA	NA	EB	NA	NA	S	SHR	2	N	Primary glide; good OV cover
2	2	0	2	0	DP	30	LWD	10	N	NA	NA	EB	NA	NA	S	SHR	1	N	Primary pool; narrow channel
3	0	NA	NA	NA	OV	30	N	NA	N	NA	NA	EB	NA	NA	S	NA	2	N	Repetitive pool/glide sequence; largely LWD or gravel bar deposition formed
4	4	0	3	0	DP	30	LWD	20	N	NA	NA	EB	NA	NA	S	NA	3	N	Primary pool
5	2	2	0	0	OV	10	N	NA	N	NA	NA	EB	NA	NA	S	NA	3	N	Primary glide; extensive spawning gravels
6	2	NA	NA	NA	OV	10	LWD	5	SC	G	50	EB	NA	NA	S	NA	3	N	Primary pool; side channel with good access

7	1	NA	NA	NA	OV	60	LWD	5	N	NA	NA	EB	NA	NA	S	NA	3	N	Primary glide; good OV cover
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Level 1 - Habitat Survey Data Form (Cont.)

G3 Consulting Ltd.

	Sub Basin Name	Reach Num	UTM			Dist (m)	Hab. Unit Type	Unit Cat	Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
			Zone	Easting	Northing						Bankfull (m)	Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt
8	Homathko R.	11-1	10	NA	NA	65	G	1	43	0.5	0.83	0.51	5.2	4.6	NA	NA	NA	NA	G	S	NA	R	H
9	Homathko R.	11-1	10	NA	NA	108	P	1	5	0.5	0.94	0.63	4.8	4.4	NA	NA	NA	NA	G	S	NA	R	L
10	Homathko R.	11-1	10	NA	NA	113	G	1	33	0.5	0.80	0.50	5.1	4.5	NA	NA	NA	NA	G	S	NA	R	L
11	Homathko R.	11-1	10	397920	5737470	146	P	1	6	0.5	1.10	0.80	6.0	6.0	1.20	0.50	0.70	S	S	G	NA	R	L
12	Homathko R.	11-1	10	NA	NA	152	G	1	23	1.0	1.00	0.70	1.5	1.4	NA	NA	NA	NA	S	G	NA	R	L
13	Homathko R.	11-1	10	NA	NA	175	P	1	3	0.5	NA	NA	4.1	3.5	NA	NA	NA	NA	S	G	NA	R	L
14	Homathko R.	11-1	10	NA	NA	178	G	1	21	0.5	NA	NA	4.0	3.0	NA	NA	NA	NA	S	G	NA	R	L
15	Homathko R.	11-1	10	NA	NA	199	P	1	6	0.5	0.85	0.45	5.3	4.2	0.90	0.45	0.45	S	S	G	NA	R	L
16	Homathko R.	11-1	10	NA	NA	205	G	1	10	NA	0.70	0.40	3.1	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
17	Homathko R.	11-1	10	397902	5737550	215	P	1	7	0.5	NA	NA	4.6	4.0	NA	NA	NA	NA	S	G	NA	R	L

	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
8	8	NA	NA	NA	OV	10	N	NA	N	NA	NA	EB	NA	NA	S	SHR	2	N	Embedded pool at 73 m; long glide no primary pools
9	3	2	0	0	N	NA	N	NA	N	NA	NA	EB	NA	NA	S	SHR	2	N	Primary pool
10	1	1	0	0	OV	15	N	NA	N	NA	NA	EB	NA	NA	S	SHR	2	N	Emerged from forested riparian area to agricultural clearing
11	0	NA	NA	NA	OV	30	N	NA	SC	P	20	EB	NA	NA	S	SHR	2	N	Large primary pool with side-channel inlet at head; beaver activity in side-channel,
12	0	NA	NA	NA	OV	20	N	NA	N	NA	NA	EB	NA	NA	S	SHR	1	N	Primary glide; constricted channel
13	0	NA	NA	NA	OV	30	N	NA	N	NA	NA	EB	NA	NA	S	SHR	1	BD	Beaver dam at 160 m; small pool US of dam, largely infilled with fines
14	0	NA	NA	NA	OV	15	N	NA	N	NA	NA	EB	NA	NA	S	SHR	1	N	Beaver dam removed previously
15	0	NA	NA	NA	DP	20	C	15	N	NA	NA	EB	NA	NA	S	SHR	1	N	Dominantly sand substrate; primary pool
16	0	NA	NA	NA	OV	10	C	15	N	NA	NA	EB	NA	NA	S	SHR	1	N	Primary glide; cutbanks present

17	0	NA	NA	NA	DP	15	C	10	N	NA	NA	EB	NA	NA	S	SHR	1	N	Primary pool; sediment settling pond
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Level 1 - Habitat Survey Data Form (Cont.)

G3 Consulting Ltd.

	Sub Basin Name	Reach Num	UTM			Dist (m)	Hab. Unit		Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
			Zone	Easting	Northing		Type	Cat			Bankfull (m)	Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt
18	Homathko R.	11-1	10	NA	NA	222	G	1	38	0.5	0.75	0.40	4.8	3.9	NA	NA	NA	NA	S	G	NA	R	L
19	Homathko R.	11-1	10	NA	NA	260	P	1	7	0.5	NA	NA	5.2	4.1	NA	NA	NA	NA	S	G	NA	R	L
20	Homathko R.	11-1	10	NA	NA	271	G	1	11	0.5	NA	NA	3.3	3.2	NA	NA	NA	NA	S	G	NA	R	L
21	Homathko R.	11-1	10	NA	NA	276	P	1	5	0.5	NA	NA	4.5	4.4	NA	NA	NA	NA	S	G	NA	R	L
22	Homathko R.	11-1	10	NA	NA	286	G	1	10	0.5	NA	NA	3.2	3.1	NA	NA	NA	NA	S	G	NA	R	L
23	Homathko R.	11-1	10	NA	NA	290	P	1	4	0.5	NA	NA	4.2	4.0	NA	NA	NA	NA	S	G	NA	R	L
24	Homathko R.	11-1	10	NA	NA	294	G	1	9	0.5	0.75	0.28	3.3	3.2	NA	NA	NA	NA	G	S	NA	R	H
25	Homathko R.	11-1	10	NA	NA	303	P	1	6	0.5	0.81	0.60	5.1	4.6	0.66	0.19	0.47	S	G	S	NA	R	L

	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
18	0	NA	NA	NA	OV	15	C	5	N	NA	NA	EB	NA	NA	S	SHR	1	N	Typical glide; embedded pool 240m
19	0	NA	NA	NA	DP	25	C	5	N	NA	NA	EB	NA	NA	S	SHR	1	N	Sediment settling in pool
20	0	NA	NA	NA	OV	15	C	5	N	NA	NA	EB	NA	NA	S	SHR	1	N	Increase scour with LWD/RW
21	0	NA	NA	NA	DP	15	C	5	N	NA	NA	EB	NA	NA	S	SHR	1	N	Primary pool
22	0	NA	NA	NA	OV	15	C	5	N	NA	NA	EB	NA	NA	S	SHR	1	N	Primary glide; scour may increase gravel abundance
23	0	NA	NA	NA	DP	20	C	10	N	NA	NA	EB	NA	NA	S	SHR	1	N	Primary pool
24	3	3	0	0	OV	15	C	5	N	NA	NA	EB	NA	NA	S	SHR	1	N	Potential scour restoration; extensive spawning gravel
25	0	NA	NA	NA	DP	25	C	10	N	NA	NA	EB	NA	NA	S	SHR	1	N	Primary pool

Level 1 - Habitat Survey Data Form

G3 Consulting Ltd

Forest District: Chilcotin Watershed Name: Homathko River Reach 12
 Survey Date (YYYY/MM/DD): 1998/10/19 Watershed Code: 900-4069-000-000-000
 Weather: Clear, 3°C Survey Crew: FK/DB
 Subsampling Fractions: Riffles: 6/9 Pools: 3/5 Glides: 0/0 Cascades: 0/0 Other: 0/0
 Discharge (m³·s⁻¹): 0.88 m³·s⁻¹ NTS map sheets: 92N/9
 BCGS (TRIM) Maps: 92N.068, 92N.078

ID	Sub Basin Name	Reach Num	Zone	UTM			Dist (m)	Hab. Unit		Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
				Easting	Northing	Type		Cat	Bankfull (m)			Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt	
																								Zone
1	Homathko R.	12	10	397196	5738504	0	R	1	24	2.0	0.55	0.15	4.6	3.4	NA	NA	NA	NA	G	S	60	R	H	
2	Homathko R.	12	10	NA	NA	24	P	1	4	0.5	0.57	0.41	4.5	2.8	0.62	0.14	0.48	S	G	S	NA	R	H	
3	Homathko R.	12	10	NA	NA	28	R	1	94	2.0	0.40	0.18	4.9	3.7	0.40	0.18	0.22	S	G	C	NA	R	H	
4	Homathko R.	12	10	NA	NA	122	P	1	3	0.5	0.65	0.35	5.1	3.8	NA	NA	NA	NA	G	S	70	R	L	
5	Homathko R.	12	10	NA	NA	125	R	1	15	2.0	NA	0.18	4.8	3.6	NA	NA	NA	NA	G	C	NA	R	L	
6	Homathko R.	12	10	NA	NA	140	P	1	6	0.5	NA	0.30	3.8	1.7	NA	NA	NA	NA	G	S	NA	R	L	
7	Homathko R.	12	10	397046	573824	146	R	1	95	2.5	0.48	0.14	5.2	2.8	NA	NA	NA	NA	G	C	70	R	L	

ID	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
1	0	0	0	0	OV	5	NA	NA	PD	G	N	EB	MC	LR	S	SHR	1	N	Confluence with Quakie Creek
2	3	0	2	0	OV	40	DP	5	N	NA	NA	N	NA	NA	S	SHR	2	N	Primary pool, extensive spawning gravels
3	2	0	2	0	OV	10	C	5	N	NA	NA	N	NA	NA	S	SHR	1	N	typical stream section
4	0	0	0	0	OV	5	NA	NA	N	NA	NA	EB	NA	NA	S	SHR	1	N	Apparent channelized section
5	2	2	0	0	N	NA	NA	NA	N	NA	NA	LR	MC	NA	S	SHR	1	N	Primary riffle
6	0	0	0	0	DP	10	OV	5	N	NA	NA	N	NA	NA	S	SHR	1	N	Primary pool, channel narrows
7	1	0	0	0	N	NA	NA	NA	N	NA	NA	LR	MC	EB	S	SHR	1	N	Extensive primary riffle; end of channelization; pool formation at 232 m

Level 1 - Habitat Survey Data Form (Cont.)

G3 Consulting Ltd.

	Sub Basin Name	Reach Num	UTM			Dist (m)	Hab. Type	Unit Cat	Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
			Zone	Easting	Northing						Bankfull (m)	Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt
8	Homathko R.	12	10	397066	5738757	235	R	1	47	2.0	0.70	0.28	3.0	2.3	NA	NA	NA	NA	C	G	120	R	L
9	Homathko R.	12	10	397039	5738813	282	R	1	97	2.0	0.68	0.14	5.3	4.4	NA	NA	NA	NA	C	G	130	R	L
10	Homathko R.	12	10	NA	NA	385	P	1	4	0.5	0.73	0.42	4.0	3.0	0.54	0.23	0.31	S	G	S	NA	R	H
11	Homathko R.	12	10	NA	NA	389	R	1	50	2.0	NA	NA	4.4	3.2	NA	NA	NA	NA	G	C	100	R	L
12	Homathko R.	12	10	NA	NA	439	P	1	3	0.5	NA	NA	3.8	2.4	NA	NA	NA	NA	G	S	NA	R	L
13	Homathko R.	12	10	NA	NA	441	R	1	50	2.0	0.38	0.18	3.9	1.9	NA	NA	NA	NA	G	C	110	R	L
14	Homathko R.	12	10	NA	NA	491	R	1	50	2.5	NA	NA	4.2	3.7	NA	NA	NA	NA	G	C	150	R	L

	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
8	8	2	6	0	OV	60	C	5	N	NA	NA	EB	LR	NA	S	SHR	3	N	Deeper narrower channel, OV closer to banks
9	14	NA	NA	NA	OV	50	C	5	N	NA	NA	EB	LR	NA	S	SHR	3	N	Channel widens at old break-through,
10	2	0	2	0	OV	20	N	NA	N	NA	NA	EB	NA	NA	S	SHR	3	N	Primary pool; LWD in form of stumps; extensive spawning gravels
11	3	0	3	0	OV	60	N	NA	N	NA	NA	EB	LR	NA	S	SHR	3	N	Tertiary pool at 402 m
12	3	0	3	0	OV	80	DP	10	N	NA	NA	N	NA	NA	S	SHR	3	N	Primary pool
13	2	0	0	1	OV	30	N	NA	N	NA	NA	MB	NA	NA	S	SHR	2	N	Potential pool formation at 457m and 490m
14	3	NA	NA	NA	OV	40	N	NA	N	NA	NA	LR	NA	NA	M	YF	3	N	Evidence of d. flows, mixed riparian veg., POT at 541m UTM 10.396910.5738932

Level 1 - Habitat Survey Data Form

G3 Consulting Ltd

Forest District: Chilcotin Watershed Name: Mosley Creek Reach 10
 Survey Date (YYYY/MM/DD): 1998/10/18 Watershed Code: 900-4069-392-000-000
 Weather: Overcast, cold, -1.0 °C Survey Crew: DB/FK
 Subsampling Fractions: Riffles: 3/13 Pools: 4/15 Glides: 1/4 Cascades: 0/0 Other: 0/0
 Discharge (m³·s⁻¹): 2.54 m³·s⁻¹ NTS map sheets: 92N/10
 BCGS (TRIM) Maps: 92N.005,92N.056,92N.066, 02N.076

ID	Sub Basin Name	Reach Num	Zone	UTM			Dist (m)	Hab. Unit		Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
				Easting	Northing	Type		Cat	Bankfull (m)			Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt	
1	Mosley Creek	10-2	10	376281	5730292	0	G	1	50	0.5	0.51	0.31	15.8	12.3	NA	NA	NA	NA	C	G	100	R	H	
2	Mosley Creek	10-2	10	NA	NA	50	P	1	26	<0.5	1.20	0.90	13.1	11.1	1.50	0.30	1.20	S	G	S	72	R	H	
3	Mosley Creek	10-2	10	NA	NA	76	G	1	43	NA	NA	NA	13.0	11.5	NA	NA	NA	NA	G	C	NA	R	H	
4	Mosley Creek	10-2	10	NA	NA	119	P	1	17	NA	NA	NA	13.5	11	NA	NA	NA	NA	G	S	NA	R	H	
5	Mosley Creek	10-2	10	NA	NA	136	R	1	54	NA	NA	NA	12.4	6.5	NA	NA	NA	NA	G	C	NA	R	H	
6	Mosley Creek	10-2	10	NA	NA	190	P	1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	G	C	NA	R	H	
7	Mosley Creek	10-2	10	NA	NA	200	R	1	34	NA	0.51	0.32	13.8	9.2	NA	NA	NA	NA	G	C	80	R	H	

ID	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
1	15	4	2	0	OV	<5	LWD	<5	PD/SC	G	NA	PD	NA	NA	D/S	MF	1	N	SOD abundant, bridge crossing at 15m from POC, side channel LB
2	12	7	3	1	LWD	10	OV	<5	PD/SC	NA	NA	PD	NA	NA	S/D	MF	1	N	Long primary pool, side channel parallel to creek LB
3	15	NA	NA	NA	NA	NA	NA	NA	N	NA	NA	NA	NA	NA	S/D	MF	1	N	Primary glide, LWD parallel
4	0	NA	NA	NA	NA	NA	NA	NA	N	NA	NA	NA	NA	NA	S/D	MF	1	N	Primary pool, channel bar opposite LB
5	7	NA	NA	NA	NA	NA	NA	NA	N	NA	NA	NA	NA	NA	D/S	YF	1	N	Large RB point bar
6	5	NA	NA	NA	NA	NA	NA	NA	N	NA	NA	NA	NA	NA	S/D	YF	1	N	Primary pool, extensive spawning gravel
7	4	0	0	2	OV	<5	LWD	<5	N	NA	NA	EB	PD	NA	S/D	YF	1	N	LWD abundant on bar, undercut banks present

Level 1 - Habitat Survey Data Form (Cont.)

G3 Consulting Ltd.

	Sub Basin Name	Reach Num	UTM			Dist (m)	Hab. Unit Type	Unit Cat	Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type						
			Zone	Easting	Northing						Bankfull (m)	Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt		
8	Mosley Creek	10-2	10	NA	NA	234	G	1	66	NA	NA	12.0	10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9	Mosley Creek	10-2	10	376432	5730582	300	P	1	12	<0.5	1.10	0.80	11.0	9.0	1.30	0.40	0.90	S	G	S	80	R	H		
10	Mosley Creek	10-2	10	NA	NA	312	R	1	23	NA	NA	25.0	8.0	NA	NA	NA	NA	G	C	70	R	H			
11	Mosley Creek	10-2	10	NA	NA	335	P	1	16	NA	NA	10.5	8.5	NA	NA	NA	NA	G	S	NA	R	H			
12	Mosley Creek	10-2	10	NA	NA	351	R	1	89	1.0	NA	NA	18.0	9.0	NA	NA	NA	NA	G	C	NA	R	H		
13	Mosley Creek	10-2	10	NA	NA	440	P	1	18	NA	NA	12.5	8.6	NA	NA	NA	NA	G	S	NA	R	H			
14	Mosley Creek	10-2	10	NA	NA	458	R	1	62	NA	NA	14.0	8.5	NA	NA	NA	NA	G	C	NA	R	H			
15	Mosley Creek	10-2	10	376567	5730588	520	p	1	17	NA	NA	14.0	12.9	NA	NA	NA	NA	G	C	70	R	H			
16	Mosley Creek	10-2	10	NA	NA	537	G	1	44	NA	NA	15.1	12.2	NA	NA	NA	NA	G	S	70	R	H			
17	Mosley Creek	10-2	10	NA	NA	581	R	1	27	1.0	0.50	0.26	15.0	12.2	NA	NA	NA	NA	G	C	68	R	H		

	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments	
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure			
8	9	NA	NA	NA	NA	NA	NA	NA	N	NA	NA	NA	NA	NA	NA	S/D	YF	1	N	Embedded pool at 282m, agriculture RB, SOD abundant
9	7	0	5	0	OV	25	LWD	10	N	NA	NA	EB	PD	NA	S/D	YF	1	N	Agriculture RB	
10	9	NA	NA	NA	NA	NA	NA	NA	N	NA	NA	MB	MC	NA	S/D	YF	1	N	Slight channel aggradation	
11	12	NA	NA	NA	NA	NA	NA	NA	N	NA	NA	WG	NA	NA	S/D	YF	1	N	Large extensive sediment wedge	
12	19	0	0	2	NA	NA	NA	NA	N	NA	NA	BC	WG	NA	S/D	YF	1	N	Isolated channel in bend, elevated point bar, secondary pool	
13	11	0	0	1	NA	NA	NA	NA	N	NA	NA	NA	NA	NA	S/D	YF	1	N	Large log spanning creek	
14	7	0	0	2	NA	NA	NA	NA	N	NA	NA	NA	NA	NA	S/D	YF	1	N	Secondary pool present	
15	9	0	0	1	NA	NA	NA	NA	WL	NA	NA	PD	NA	NA	S	SHR	1	N	Off channel habitat, primary pool	
16	17	0	0	3	NA	NA	NA	NA	N	NA	NA	PD	NA	NA	S/D	PS	1	N	LWD abundant. oriented parallel	
17	10	3	2	1	LWD	10	OV	<5	N	NA	NA	NA	NA	NA	D	MF	1	N	Primary riffle	

Level 1 - Habitat Survey Data Form (Cont.)

G3 Consulting Ltd.

	Sub Basin Name	Reach Num	UTM			Dist (m)	Hab. Unit		Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
			Zone	Easting	Northing		Type	Cat			Bankfull (m)	Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt
18	Mosley Creek	10-2	10	NA	NA	606	P	1	20	NA	NA	10.0	5.9	1.60	0.40	1.20	S	G	S	63	R	L	
19	Mosley Creek	10-2	10	NA	NA	626	R	1	70	NA	NA	14.0	9.1	NA	NA	NA	NA	G	C	70	R	H	
20	Mosley Creek	10-2	10	376635	5730525	696	P	1	17	NA	NA	11.0	7.0	NA	NA	NA	NA	G	C	62	R	H	
21	Mosley Creek	10-2	10	NA	NA	713	R	1	32	NA	NA	13.0	10.1	NA	NA	NA	NA	G	C	71	R	H	
22	Mosley Creek	10-2	10	NA	NA	745	P	1	13	1.0	NA	NA	14.1	8.5	NA	NA	NA	NA	G	S	62	R	H
23	Mosley Creek	10-2	10	NA	NA	758	R	1	37	NA	NA	14.9	10.0	NA	NA	NA	NA	G	C	68	R	H	
24	Mosley Creek	10-2	10	NA	NA	795	P	1	10	NA	NA	13.0	9.5	NA	NA	NA	NA	G	S	60	R	L	
25	Mosley Creek	10-2	10	NA	NA	805	R	1	27	NA	NA	14.5	14.1	NA	NA	NA	NA	G	C	75	R	H	
26	Mosley Creek	10-2	10	NA	NA	832	P	1	11	NA	NA	17.5	12.3	NA	NA	NA	NA	G	S	70	R	H	
27	Mosley Creek	10-2	10	NA	NA	843	R	1	48	NA	0.52	0.32	12.5	9.7	NA	NA	NA	NA	G	C	75	R	H

	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments	
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure			
18	7	1	2	0	OV	30	LWD	20	N	NA	NA	NA	NA	NA	NA	D	MF	1	N	Branches over pool- LWD cover
19	5	0	0	1	NA	NA	NA	NA	N	NA	NA	NA	NA	NA	NA	S/D	YF	1	N	Deep secondary pool at 670 m, side channel(braiding) 30m long
20	6	0	0	0	NA	NA	NA	NA	N	NA	NA	NA	PD	NA	NA	S/D	YF	1	N	Primary pool, elevated point bar, parallel LWD
21	16	0	0	1	NA	NA	NA	NA	N	NA	NA	NA	NA	NA	NA	S/D	YF	1	N	Large LWD peices
22	10	0	5	0	NA	NA	NA	NA	N	NA	NA	NA	PD	NA	NA	S/D	YF	1	N	LWD oriented parallel, abundant primary pool
23	8	0	0	1	NA	NA	NA	NA	N	NA	NA	NA	NA	NA	NA	S/D	YF	1	N	Secondary pool at 766m, mid-channel bar, SOD abundant
24	8	0	0	1	NA	NA	NA	NA	N	NA	NA	NA	PD	NA	NA	D	YF	1	N	Primary pool, localized spawning gravels
25	20	0	0	2	NA	NA	NA	NA	N	NA	NA	NA	PD	NA	NA	D	YF	1	N	LWD abundant on RB
26	6	0	0	0	NA	NA	NA	NA	SC	NA	NA	NA	NA	NA	NA	D/S	YF	1	N	Small pool(~ 50% of stream area), side channel present

27	5	0	0	2	NA	NA	NA	NA	N	NA	NA	NA	NA	NA	D/S	YF	1	N	Embedded pool at 852m
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Level 1 - Habitat Survey Data Form (Cont.)

G3 Consulting Ltd.

	Sub Basin Name	Reach Num	Zone	UTM		Dist (m)	Hab. Unit		Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
				Easting	Northing		Type	Cat			Bankfull (m)	Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt
28	Mosley Creek	10-2	10	NA	NA	891	P	1	11	NA	1.45	1.20	12.2	9.0	1.60	0.35	1.25	S	G	C	82	R	H
29	Mosley Creek	10-2	10	NA	NA	902	R	1	26	NA	NA	NA	8.5	8.3	NA	NA	NA	NA	G	C	81	R	H
30	Mosley Creek	10-2	10	NA	NA	928	P	1	16	NA	NA	10.3	6.7	NA	NA	NA	NA	G	C	65	R	H	
31	Mosley Creek	10-2	10	NA	NA	944	R	1	45	1.0	NA	NA	13.0	9.5	NA	NA	NA	NA	C	G	76	R	L
32	Mosley Creek	10-2	10	NA	NA	989	P	1	15	NA	NA	10.7	8.7	NA	NA	NA	NA	C	G	75	R	L	

	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
28	10	0	0	0	OV	10	DP	20	N	NA	NA	PD	NA	NA	D	YF	1	N	Primary pool, fines settling
29	3	0	0	0	NA	NA	NA	NA	SC	P	NA	NA	NA	NA	D	YF	1	N	Side channel (high flow only) at 915m
30	4	0	0	0	NA	NA	NA	NA	N	NA	NA	NA	NA	NA	D	YF	1	N	Primary pool, extensive spawning gravels
31	3	0	0	0	NA	NA	NA	NA	N	NA	NA	NA	NA	NA	D	YF	1	N	Primary riffle
32	2	0	0	0	NA	NA	NA	NA	N	NA	NA	NA	NA	NA	S/D	YF	1	N	Reach break upstream, RB vegetated with shrub/LB with young forest

Level 1 - Habitat Survey Data Form

G3 Consulting Ltd

Forest District: Chilcotin Watershed Name: Mosley Creek Reach 11-1
 Survey Date (YYYY/MM/DD): 1998/10/18 Watershed Code: 900-4069-392-000-000
 Weather: Overcast, cold, 0 °C Survey Crew: FK/DB
 Subsampling Fractions: Riffles: 10/10 Pools: 4/9 Glides: 2/2 Cascades: 0/0 Other: 0/0
 Discharge (m³·s⁻¹): 2.54 m³·s⁻¹ NTS map sheets: 92N/10
 BCGS (TRIM) Maps: 92N.005,92N.056,92N.066, 02N.076

ID	Sub Basin Name	Reach Num	Zone	UTM			Dist (m)	Hab. Unit		Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
				Easting	Northing	Type		Cat	Bankfull (m)			Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt	
																								Zone
1	Mosley Creek	11-1	10	NA	NA	0	R	1	198	1.5	0.74	0.32	15.7	13.1	NA	NA	NA	NA	C	G	110	AR	L	
2	Mosley Creek	11-1	10	NA	NA	203	P	1	7	<0.5	1.40	0.85	14.0	10.2	1.45	0.43	1.02	S	C	S	NA	R	L	
3	Mosley Creek	11-1	10	NA	NA	210	G	1	44	1.0	0.75	0.42	12.4	10.5	NA	NA	NA	NA	G	C	67	R	H	
4	Mosley Creek	11-1	10	NA	NA	254	R	1	50	1.5	NA	NA	19.6	12.3	NA	NA	NA	NA	C	G	NA	R	L	
5	Mosley Creek	11-1	10	377212	5730698	304	JAM	1	15	1.5	NA	NA	38.0	11.1	NA	NA	NA	NA	C	G	70	NA	L	
6	Mosley Creek	11-1	10	NA	NA	319	R	1	74	1.5	NA	NA	13.1	11.5	NA	NA	NA	NA	C	G	115	R	H	
7	Mosley Creek	11-1	10	NA	NA	393	P	1	23	<0.5	NA	NA	12.2	5.6	NA	NA	NA	NA	C	G	NA	R	H	

ID	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
1	16	8	4	0	OV	10	LWD	5	N	NA	NA	PD	NA	NA	M	YF	1	N	Homogenous primary riffle, LWD deposit formed small pool habitat
2	3	0	1	2	LWD	15	DP	10	N	NA	NA	PD	NA	NA	M	YF	1	N	Pool covers ~50% of bankfull width
3	6	3	3	0	LWD	10	N	NA	N	NA	NA	PD	NA	NA	M	YF	1	N	Homogenous glide
4	3	0	0	0	NA	NA	NA	NA	N	NA	NA	PD	NA	NA	D	YF	1	N	Secondary pools and glide in small channel braids
5	50	NA	NA	NA	LWD	80	OV	5	N	NA	NA	JM	NA	NA	D	MF	1	N	Log jam habitat/pool/glide 2 distinct jams
6	25	NA	NA	NA	LWD	20	N	NA	N	NA	NA	EB	JM	NA	D	MF	1	N	Bank suited to stabilization options: log jam
7	5	3	2	0	LWD	15	DP	10	N	NA	NA	EB	NA	NA	D	MF	1	N	Primary pool

Level 1 - Habitat Survey Data Form (Cont.)

G3 Consulting Ltd.

	Sub Basin Name	Reach Num	UTM			Dist (m)	Hab. Unit			Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
			Zone	Easting	Northing		Type	Cat	Bankfull (m)			Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt	
8	Mosley Creek	11-1	10	NA	NA	416	R	1	242	1.0	NA	NA	4.1	11.5	NA	NA	NA	NA	C	G	120	R	L	
9	Mosley Creek	11-1	10	377547	5730750	658	P	1	14	<0.5	1.60	1.20	12.4	10.2	2.50	0.55	1.95	S	S	G	NA	R	L	
10	Mosley Creek	11-1	10	NA	NA	672	R	1	29	1.0	NA	NA	13.0	9.5	NA	NA	NA	NA	G	G	NA	R	NA	
11	Mosley Creek	11-1	10	NA	NA	701	P	1	16	<0.5	1.50	1.20	17.0	7.0	1.00	0.65	0.35	S	G	C	NA	R	L	
12	Mosley Creek	11-1	10	NA	NA	717	R	1	22	1.0	NA	NA	14.5	9.0	NA	NA	NA	NA	C	G	120	R	L	
13	Mosley Creek	11-1	10	377592	5730762	739	JAM	1	121	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
14	Mosley Creek	11-1	10	NA	NA	860	G	1	55	0.5	1.10	0.38	12.6	11.0	NA	NA	NA	NA	C	G	150	R	L	
15	Mosley Creek	11-1	10	377760	5730688	915	C	1	181	1.5	1.00	0.39	11.1	7.9	NA	NA	NA	NA	C	B	150	R	L	
16	Mosley Creek	11-1	10	NA	NA	1096	P	1	11	<0.5	1.40	1.10	13.5	11.0	NA	NA	NA	NA	C	G	NA	R	H	
17	Mosley Creek	11-1	10	NA	NA	1096	R	1	50	1.0	1.00	0.32	122.6	10.5	NA	NA	NA	NA	G	C	NA	R	H	

	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
8	18	NA	NA	NA	NA	NA	NA	NA	N	NA	NA	PD	FP	NA	NA	NA	NA	N	Tertiary pool at 557m, homogenous riffle(Potential LWD placement)
9	7	2	4	2	DP	35	LWD	15	N	NA	NA	N	NA	NA	M	YF	1	N	Primary pool, root wads present
10	2	0	0	0	LWD	5	OV	5	N	NA	NA	N	NA	NA	M	YF	1	N	Short homogenous riffle
11	0	NA	NA	NA	DP	30	OV	15	N	NA	NA	DW	MD	NA	M	YF	1	N	Long/shallow pool/glide
12	0	NA	NA	NA	NA	NA	NA	NA	SC	P	120	DW	MD	JM	D	YF	1	JM	Log jam and disturbed/redirection channel
13	JAM	NA	NA	NA	LWD	90	N	NA	SC	P	120	EB	JM	NA	M	MF	1	N	Side channel restoration potential SC at 1.0% gradient
14	4	NA	NA	NA	LWD	5	N	NA	N	NA	NA	N	NA	NA	D	MF	1	N	Glide
15	18	4	6	4	LWD	20	BD	5	N	NA	NA	N	NA	NA	C	MF	1	N	Embedded pool at 981 m & at 1022 m
16	7	2	3	2	DP	20	OV	20	N	NA	NA	N	NA	NA	C	MF	1	N	Primary pool
17	3	0	0	0	N	NA	N	NA	N	NA	NA	N	NA	NA	M	MF	1	N	Complexed riffle

Level 1 - Habitat Survey Data Form (Cont.)

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	Sub Basin Name	Reach Num	UTM			Dist (m)	Hab. Unit		Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
			Zone	Easting	Northing		Type	Cat			Bankfull (m)	Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt
18	Mosley Creek	11-1	10	NA	NA	1144	P	1	18	0.5	NA	0.95	13.4	8.9	NA	NA	NA	NA	G	C	100	R	H
19	Mosley Creek	11-1	10	NA	NA	1162	R	1	26	1.0	0.70	0.38	21.0	12.0	NA	NA	NA	NA	G	C	100	R	L
20	Mosley Creek	11-1	10	NA	NA	1186	P	1	10	0.5	NA	NA	10.1	8.0	NA	NA	NA	NA	G	C	NA	R	L
21	Mosley Creek	11-1	10	NA	NA	1198	R	1	3	NA	NA	NA	12.2	11.1	NA	NA	NA	NA	G	C	NA	R	H
22	Mosley Creek	11-1	10	NA	NA	1228	P	1	6	NA	NA	NA	10.0	7.5	NA	NA	NA	NA	G	C	NA	R	H
23	Mosley Creek	11-1	10	NA	NA	1234	R	1	19	NA	NA	NA	14.6	10.3	NA	NA	NA	NA	G	C	NA	R	H
24	Mosley Creek	11-1	10	NA	NA	1253	P	1	19	NA	NA	NA	14.5	8.5	NA	NA	NA	NA	C	G	NA	R	L
25	Mosley Creek	11-1	10	NA	NA	1272	JAM	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	C	G	NA	R	L

	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
18	7	NA	NA	1	LWD	40	DP	10	N	NA	NA	N	NA	NA	M	MF	2	N	Primary pool
19	6	NA	NA	1	LWD	NA	NA	NA	N	NA	NA	N	NA	NA	M	MF	2	N	Well complexed riffle
20	20 JAM	NA	NA	5	LWD	NA	NA	NA	N	NA	NA	JM	NA	NA	M	MF	1	N	LWD jam forming pool
21	8	NA	NA	1	LWD	NA	NA	NA	N	NA	NA	N	NA	NA	M	MF	1	N	Small complex riffle
22	12	NA	NA	2	LWD	NA	NA	NA	SC	G	30	N	NA	NA	C	MF	1	N	Beaver dam
23	8	NA	NA	0	LWD	NA	NA	NA	N	NA	NA	N	NA	NA	C	MF	1	N	Complexed riffle
24	6	NA	NA	0	LWD	NA	NA	NA	N	NA	NA	N	NA	NA	C	MF	1	N	Large primary pool
25	30 JAM	NA	NA	NA	LWD	NA	NA	NA	SC	G	NA	M	NA	NA	M	MF	1	N	Channel disturbance/flow change, large aggraded jam

Level 1 - Habitat Survey Data Form

G3 Consulting Ltd

Forest District: Chilcotin Watershed Name: Mosley Creek Reach 12-1
 Survey Date (YYYY/MM/DD): 1998/10/18 Watershed Code: 900-4069-392-000-000
 Weather: Overcast, cold, 0 °C Survey Crew: FK/DB
 Subsampling Fractions: Riffles: 12/14 Pools: 4/9 Glides: 4/4 Cascades: 0/0 Other: 0/0
 Discharge (m³·s⁻¹): 2.03 m³·s⁻¹ NTS map sheets: 92N/10
 BCGS (TRIM) Maps: 92N.005,92N.056,92N.066, 02N.076

ID	Sub Basin Name	Reach Num	Zone	UTM			Dist (m)	Hab. Unit Type	Cat	Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
				Easting	Northing	Bankfull (m)						Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt	
																								Zone
1	Mosley Creek	12-1	10	378891	5731850	0	G	1	44	1.0	0.80	0.35	13.1	9.9	NA	NA	NA	NA	C	G	110	R	L	
2	Mosley Creek	12-1	10	NA	NA	44	R	1	38	1.5	0.70	0.30	13.0	6.2	NA	NA	NA	NA	C	B	270	N	N	
3	Mosley Creek	12-1	10	NA	NA	82	P	1	10	0.5	1.10	0.92	10.3	5.0	1.64	0.33	1.31	S	S	G	90	R	L	
4	Mosley Creek	12-1	10	NA	NA	92	R	1	53	2.0	0.72	0.38	11.0	7.3	NA	NA	NA	NA	C	B	270	N	N	
5	Mosley Creek	12-1	10	NA	NA	145	P	1	15	0.5	1.50	1.10	12.5	8.2	1.75	0.40	1.35	S	C	G	120	R	L	
6	Mosley Creek	12-1	10	NA	NA	160	R	1	40	2.0	0.85	0.52	12.8	10.2	NA	NA	NA	NA	C	G	NA	N	N	
7	Mosley Creek	12-1	10	NA	NA	200	P	1	15	0.5	NA	NA	8.0	6.4	NA	NA	NA	NA	C	G	NA	R	L	

ID	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
1	2	0	2	0	OV	10	N	NA	N	NA	NA	EB	NA	NA	D	MF	1	N	Limited bank erosion on LB, potential live-staking at 50m
2	2	2	0	0	OV	10	B	5	N	NA	NA	PD	NA	NA	D	MF	1	N	Cascade/boulders present
3	2	0	2	0	DP	30	LWD	10	N	NA	NA	N	NA	NA	D	YF	1	N	Primary pool
4	6	2	4	0	B	10	N	NA	N	NA	NA	N	NA	NA	D	PS	1	N	Cascade/boulders abundant
5	3	0	1	0	DP	30	OV	15	N	NA	NA	N	NA	NA	D	PS	1	N	Deep primary pool
6	9	4	4	1	BC	5	N	NA	SC	G	4S	MC	NA	NA	D	YF	1	N	Channel braiding
7	30	NA	NA	NA	LWD	30	N	NA	N	NA	NA	JM	NA	NA	D	YF	1	N	LWD jam forming pool

Level 1 - Habitat Survey Data Form (Cont.)

G3 Consulting Ltd.

	Sub Basin Name	Reach Num	UTM			Dist (m)	Hab. Unit		Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
			Zone	Easting	Northing		Type	Cat			Bankfull (m)	Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt
8	Mosley Creek	12-1	10	379148	5731947	215	R	1	63	1.0	0.64	0.31	11.0	9.1	NA	NA	NA	NA	C	B	140	N	N
9	Mosley Creek	12-1	10	NA	NA	282	R	1	74	2.5	0.90	0.40	12.2	8.5	NA	NA	NA	NA	C	B	NA	N	N
10	Mosley Creek	12-1	10	NA	NA	350	R	1	36	1.0	1.00	0.35	14.0	10.2	NA	NA	NA	NA	C	G	150	N	N
11	Mosley Creek	12-1	10	379262	5732109	392	R	1	158	2.0	0.95	0.34	12.0	8.8	NA	NA	NA	NA	B	C	NA	N	N
12	Mosley Creek	12-1	10	NA	NA	550	G	1	55	1.0	0.98	0.40	12.1	10.6	NA	NA	NA	NA	C	G	150	R	L
13	Mosley Creek	12-1	10	NA	NA	605	P	1	10	<0.5	1.50	0.90	13.1	7.8	1.50	0.43	1.07	S	C	G	160	R	L
14	Mosley Creek	12-1	10	NA	NA	615	R	1	219	1.5	1.10	0.40	13.2	10.3	NA	NA	NA	NA	C	B	260	N	N
15	Mosley Creek	12-1	10	NA	NA	834	P	1	11	0.5	1.63	1.20	11.1	6.3	1.60	0.39	NA	S	C	S	NA	R	L
16	Mosley Creek	12-1	10	379356	5732443	845	R	1	155	2.0	1.15	0.48	12.1	9.0	NA	NA	NA	NA	C	B	230	N	N

	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
8	3	NA	NA	NA	OV	10	LWD	10	N	NA	NA	N	NA	NA	D	MF	1	N	Fan from Clay Creek enters on RB, fan appears stable/vegetated
9	4	NA	NA	NA	B	5	N	NA	N	NA	NA	N	NA	NA	D	MF	1	N	Steep riffle/cascade w/ boulders
10	1	NA	NA	NA	N	NA	NA	NA	N	NA	NA	EB	NA	NA	D	MF	1	N	Large substrate in riffle area
11	0	NA	NA	NA	OV	15	B	5	SC	G	45	EB	FP	NA	D	YF	1	N	Potential for bank stabilization(200m) with live staking, steep riffle
12	2	0	0	0	OV	20	N	NA	N	NA	NA	FP	NA	NA	D	YF	1	N	Highly compact substrate, potential boulder placement for scour
13	4	0	0	0	DP	10	LWD	10	N	NA	NA	EB	NA	NA	D	YF	1	N	Fast flow in pool area
14	5	0	0	0	B	5	OV	5	N	NA	NA	EB	FP	NA	D	MF	1	N	Several embedded glides within dominant cascade, potential boulder placement
15	12	12	0	0	DP	30	LWD	15	N	NA	NA	N	NA	NA	D	MF	1	N	LWD cluster and rootwad form pool
16	4	0	0	0	B	10	OV	5	N	NA	NA	PD	EB	NA	M	MF	1	N	Glide section ~25m long within cascade habitat, boulder placement potential

Level 1 - Habitat Survey Data Form (Cont.)

G3 Consulting Ltd.

	Sub Basin Name	Reach Num	Zone	UTM		Dist (m)	Hab. Unit		Length (m)	Grad (%)	Mean Depth		Mean Width		Pools Only				Bed Material Type				
				Easting	Northing		Type	Cat			Bankfull (m)	Water (m)	Bankfull (m)	Wetted (m)	Max. Depth (m)	Crest (m)	Residual (m)	Pool Type	Dom.	Sub-Dom.	D90 (mm)	SG Type	SG Amt
17	Mosley Creek	12-1	10	379425	5732574	1000	G	1	30	0.5	0.58	0.36	11.2	9.3	NA	NA	NA	NA	C	B	240	R	L
18	Mosley Creek	12-1	10	NA	NA	1030	R	1	83	1.0	0.60	0.31	11.1	9.1	NA	NA	NA	NA	C	B	270	R	L
19	Mosley Creek	12-1	10	NA	NA	1113	G	1	12	1.0	0.65	0.48	11.0	9.5	NA	NA	NA	NA	C	G	110	R	L
20	Mosley Creek	12-1	10	NA	NA	1125	R	1	90	1.0	0.51	0.21	12.4	8.7	NA	NA	NA	NA	C	G	NA	R	L
21	Mosley Creek	12-1	10	NA	NA	1215	P	1	12	0.5	1.40	1.20	12.2	9.3	2.0	0.21	1.79	S	G	S	NA	R	H
22	Mosley Creek	12-1	10	379393	5732695	1227	R	1	83	1.0	NA	NA	14.0	8.2	NA	NA	NA	NA	C	G	110	R	L
23	Mosley Creek	12-1	10	NA	NA	1310	P	1	6	0.5	1.00	0.60	14.6	8.2	NA	NA	NA	NA	NA	NA	NA	R	L
24	Mosley Creek	12-1	10	NA	NA	1316	R	1	16	1.0	0.43	0.20	14.8	12.2	NA	NA	NA	NA	G	C	NA	R	H

	Total LWD Tally	Functional LWD Tally			Cover				Offchannel Habitat			Disturbance Indicators			Riparian Vegetation			Barriers	Comments
		10 - 20 cm	20 - 50 cm	> 50 cm	Cover Type	%	Cover Type	%	Type	Access	Length (m)	1	2	3	Type	Struc.	Canopy Closure		
17	1	1	0	0	OV	5	C	5	N	NA	NA	EB	NA	NA	M	MF	1	N	Kings cabin POC, bank stabilization opportunity
18	6	NA	NA	NA	OV	20	B	5	N	NA	NA	PD	NA	NA	M	MF	1	N	Long riffle
19	0	NA	NA	NA	B	10	NA	NA	N	NA	NA	N	NA	NA	M	MF	1	N	Bridge
20	0	NA	NA	NA	OV	10	B	5	SC	G	NA	N	NA	NA	M	YF	1	N	Confluence at 160m, side channel
21	6	2	3	1	LWD	25	DP	25	N	NA	NA	N	NA	NA	M	YF	1	N	Deep primary pool with LWD, complex and cover
22	0	2	3	0	N	NA	NA	NA	N	NA	NA	N	NA	NA	M	MF	1	N	Riffle, little complexity
23	9	2	3	0	LWD	40	DP	10	N	NA	NA	N	NA	NA	M	MF	1	N	Primary pool, quite small - approx. 6m
24	0	NA	NA	NA	N	NA	NA	NA	N	NA	NA	N	NA	NA	M	MF	1	N	Short riffle section

