

Level 1 - Habitat Diagnosis Summary Form
G3 Consulting Ltd.

Watershed Name: Homathko River

UTM (Zone, Easting, Northing): 10.403535.5722350

Watershed Code: 900-4069-000-000-000-000

Forest District: Chilcotin

Sub Basin Name	Reach Num	% Pools		Pool Frequency		LWD Pieces/Channel Width		% Wood Cover				Substrates		Off-Channel Habitat		Spawning Gravel			Spawning Access		Holding Pools/km		Scour		Nutrients		Comments	
		V	R	V	R	V	R	W	B	O	R	D	S	R	V	R	Q	Q	R	Q	R	Q	R	Q	R	Q		R
		a	a	a	a	a	a	o	o	o	a	o	u	u	a	a	t	t	a	a	t	t	t	t	t	t		t
Homathko River	1	<40	P	2-4	F	<1	P	<5	0	10	F	S	G	F	NA	G	P	P	P	G	G	>15	G	NA	NA	NA	NA	Point Assessment; stream entered wetland area ~200 m upstream of mouth; slow flow, good holding and rearing habitat
Homathko River	3	<40	P	2-4	F	>1	F	<10	0	<20	F	S	G	F	NA	NA	F	F	F	G	G	>15	G	NA	NA	NA	NA	Point Assessment; good OV cover, in-stream conditions similar to Reach 4,5
Homathko River	4	27	P	3.6	F	0.6	P	<5	0	16	F	S	G	F	0	P	F	F	F	G	G	24	G	NA	NA	NA	NA	In-stream vegetation and pool depth providing cover in pools
Homathko River	5	26	P	3.5	F	2.7	G	8	0	9	F	G	S	F	2	F	F	F	F	G	G	25	G	NA	NA	NA	NA	Sediment deposition in some areas reducing spawning gravel quality
Homathko River	6	<40	P	2-4	F	>1	F	<10	0	10	F	G	S	F	NA	NA	F	F	F	G	G	>15	G	NA	NA	NA	NA	Point Assessment; habitat conditions similar to Reach 4,5,8; bank erosion observed in two locations
Homathko River	8	<40	P	2-4	F	>1	F	<10	0	10	F	G	S	F	NA	NA	F	F	F	G	G	>15	G	NA	NA	NA	NA	Point Assessment; habitat conditions similar to Reach 4,5,6
Homathko River	10	>40	F	<1	P	<1	P	<5	0	<10	P	S	S	P	0	P	P	P	P	G	G	>15	G	NA	NA	NA	NA	Continuous deep glide, sand /silt bed with in-stream vegetation, agricultural clearing adjacent to reach, beaver activity
Homathko River	11	25	P	4.3	P/F	1.3	F	3	0	18	F	S	G	F	2	F	F	P	P/F	G	G	39	G	NA	NA	NA	NA	Embedded pools not included in % Pools, gravel dominant substrate in some areas, beaver activity at Quakie Ck. confluence
Homathko River	12	3.5	P	13.2	P	0.3	P	0	0	36	F	G	S/C	F	1	F	F	F	F	G	G	9	P	NA	NA	NA	NA	Recently formed channel, evidence of debris flow activity, channel shifting and channelization
Homathko River	13,14	<5	P	>10	P	>1	F	<10	<10	<10	F	C	B	P	0	P	F	F	F	F	F	<10	P	NA	NA	NA	NA	Point Assessment; disturbed, aggraded channel; debris flow apparently from upstream scarp at Reach 15

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Watershed Name: Mosley Creek

UTM (Zone, Easting, Northing): 10.359850.5715150 (Reach 1)

Watershed Code: 900-4069-392-000-000-000

Forest District: Chilcotin

Sub Basin Name	Reach Num	% Pools		Pool Frequency		LWD Pieces/Channel Width		% Wood Cover				Substrates		Off-Channel Habitat		Spawning Gravel			Spawning Access		Holding Pools/km		Scour		Nutrients		Comments	
		V	R	V	R	V	R	W	B	O	R	D	S	R	V	R	Q	Q	R	Q	R	Q	R	Q	R	Q		R
		a	a	a	a	a	a	o	o	o	a	o	u	u	u	a	a	t	t	t	t	t	t	t	t	t		t
Mosley Creek	10-2	20	P	3.9	F	3.8	G	10	<5	5.5	P	G	C	F	4	F/G	G	F	G	G	G	13	G	NA	NA	NA	NA	Embedded pools not included in % Pools calculation, OV cover in pools is high at 17.5%, sand subdominant in most pools
Mosley Creek	11-1	15	P	5.4	P	3.3	G	31	<5	4.1	F	C	G	F	3	F	F	G	F	G	G	12	F	NA	NA	NA	NA	Pools at log jams included in %Pools calculation and Holding Pools/km
Mosley Creek	11-2	<20	P	2-4	F	>2	F	>15	<5	5	F	C	G	F	2	G	F	G	F	G	G	>10	G	NA	NA	NA	NA	Point Assessment and pool count/LWD tally; over 600 m subreach; 12 pools , LWD abundant with >80 pieces
Mosley Creek	12-1	5	P	15.3	P	1.0	F	19	5	6.6	F/P	C	B/G	F	3	G	F	F	F	G	G	5.3	P	NA	NA	NA	NA	Pool Frequency value increased by three large riffle/glide sections, spawning gravel absent in several areas

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Watershed Name: Skinner Creek

UTM (Zone, Easting, Northing): NA

Watershed Code: 900-4069-865-000-000

Forest District: Chilcotin

Sub Basin Name	Reach Num	% Pools		Pool Frequency		LWD Pieces/Channel Width		% Wood Cover				Substrates			Off-Channel Habitat		Spawning Gravel			Spawning Access		Holding Pools/km		Scour		Nutrients		Comments	
		V	R	V	R	V	R	W	B	O	R	D	S	R	V	R	Q	Q	R	Q	R	Q	R	Q	R	Q	R		Q
		u	e	e	n	e	n	e	n	e	n	d	d	r	d	n	g	g	g	g	g	g	g	g	g	g	g	g	g
Skinner Creek	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Point Assessment; stream bed dry	
Skinner Creek	6	>10	F	2-4	F	<1	P	<5	0	<10	P	S	S	P	1	F	P	P	P	F	F	>10	F	NA	NA	NA	NA	Point Assessment; continous glide in argricultural clearing; wetland areas present	
Skinner Creek	10	>10	F	2-4	F	>1	F	>5	<5	>10	F	G	S	F	NA	NA	F	F	F	F	F	>10	F	NA	NA	NA	NA	Point Assessment at culvert, stable RP morphology	

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Watershed Name: Valleau Creek

UTM (Zone, Easting, Northing): 10.379774.5732803

Watershed Code: 900-4069-392-786-000

Forest District: Chilcotin

Sub Basin Name	Reach Num	% Pools		Pool Frequency		LWD Pieces/Channel Width		% Wood Cover				Substrates			Off-Channel Habitat		Spawning Gravel			Spawning Access		Holding Pools/km		Scour		Nutrients		Comments
		V	R	V	R	V	R	W	B	O	R	D	S	R	V	R	Q	Q	R	Q	R	Q	R	Q	R	Q	R	
Valleau Creek	1	1.0	P	18	P	<1	P	8	10	6	P	C/B	G/B	F	3	F	P	G	P	F	F	2	P	NA	NA	NA	NA	Channel aggraded, abundant debris flow activity evident from upstream source; fish habitat quality appeared low,

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Watershed Name: Butler Creek

UTM (Zone, Easting, Northing): 10.381458.573682

Watershed Code: 900-4069-392-801-000

Forest District: Chilcotin

Sub Basin Name	Reach Num	% Pools		Pool Frequency		LWD Pieces/Channel Width		% Wood Cover				Substrates			Off-Channel Habitat		Spawning Gravel			Spawning Access		Holding Pools/km		Scour		Nutrients		Comments
		V	R	V	R	V	R	W	B	O	R	D	S	R	V	R	Q	Q	R	Q	R	Q	R	Q	R	Q	R	
		alue	ating	alue	ating	alue	ating	ood	oouldr	overhd	ating	om	ub	ating	alue	ating	ty	ual	ating	ual	ating	ty	ating	ty	ating	ual	ating	
Butler Creek	1	7.7	P	6.3	P	0.9	P	16	0	23	G	S/C	G	F	3	F	F	F	F	F	F	9	P	NA	NA	NA	NA	Channel braids through forest in lower 100 m of reach, bed material fines downstream, possible debris flow disturbance
Butler Creek	2	<30	F	2-4	F	>1	F	>10	>5	>20	F	C	B	F	NA	NA	F	F	F	F	F	>10	F	NA	NA	NA	NA	Point Assessment; CP to SP morphology, large boulders

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Watershed Name: Cherry Creek

UTM (Zone, Easting, Northing): 10.379543.5732899

Watershed Code: 900-4069-392-801-000

Forest District: Chilcotin

Sub Basin Name	Reach Num	% Pools		Pool Frequency		LWD Pieces/Channel Width		% Wood Cover				Substrates		Off-Channel Habitat		Spawning Gravel			Spawning Access		Holding Pools/km		Scour		Nutrients		Comments	
		V	R	V	R	V	R	W	B	O	R	D	S	R	V	R	Q	Q	R	Q	R	Q	R	Q	R	Q		R
		alue	ating	alue	ating	alue	ating	ood	oou	ver	ating	om	ub	ating	alue	ating	ty	ual	ating	ual	ating	ty	ating	ty	ating	ual	ating	
Cherry Creek	1-1	<5	P	21	P	0.3	P	<5	<10	32	P	C	G	F	N	P	L	F	F	P	P	5	F	NA	NA	NA	NA	Culvert 20m US of mouth Lower ~200m aggrading and lacking pools CP/SP morphology upstream

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Watershed Name: Cochin Creek

UTM (Zone, Easting, Northing): NA

Watershed Code: 900-4069-901-000-000-000

Forest District: Chilcotin

Sub Basin Name	Reach Num	% Pools		Pool Frequency		LWD Pieces/Channel Width		% Wood Cover				Substrates		Off-Channel Habitat		Spawning Gravel			Spawning Access		Holding Pools/km		Scour		Nutrients		Comments	
		V	R	V	R	V	R	W	B	O	R	D	S	R	V	R	Q	Q	R	Q	R	Q	R	Q	R	Q		R
		alue	ating	alue	ating	alue	ating	ood	oou	ver	ating	om	ub	ating	alue	ating	ty	ual	ating	ual	ating	ty	ating	ty	ating	ual	ating	
Cochin Creek	3-1	25	P	4	F	>1	F	>5	0	>10	F	G	S	F	0	P	F	F	F	F/P	F/P	>10	F	NA	NA	NA	NA	Point Assessment; RP morphology, dense canopy, downstream of culvert private road and upstream of highway culvert
Cochin Creek	3-2	>5	P	2-4	F	<1	P	<5	0	>5	P	S	G	P	1	G	P	P	P	F	F	>5	F	NA	NA	NA	NA	Point Assessment; continous glide in agricultural clearing; long slough runs parallel with flow into Cochin Lake
Cochin Creek	5	<20	F	2-4	F	>1	F	>10	>5	>20	F	G	S	F	NA	NA	F	F	F	F	F	>10	F	NA	NA	NA	NA	Point Assessment; RP morphology