

Appendix 4. **Stream Habitat and Fisheries Assessment Field Sheets, 2005**

Quiet Lake Tributary – Crater Creek	36
Quiet Lake Tributary – Inlet Stream (unnamed).....	37
Sandy Lake Tributary – Brown Creek	38
Morley Lake Tributary – Unnamed tributary on north shore	39
Morley Lake Tributary – Unnamed tributary on south shore	40

Quiet Lake Tributary – Crater Creek

Stream Survey Data, 2005		QUIET LAKE TRIBUTARIES						
Waterbody ID Site ID	Crater Ck	Weather Northing	Overcast, cool		Date: Aug 2, 2005		Crew: JW,DS,FS	
	R#1 S#1		6771529		Easting		0603450	
STREAM CHARACTERISTICS			Distance Surveyed (m)	300 m	Photos	Yes		
Temp.(°C)	7.4	Habitat Type (%)		Substrate Type (%)		Cover Type (%)		
Cond. (uS/cm)	70	Pool	20 %	Organic		Deep pool	50 %	
pH	7.5	Run	50 %	Silt	10 %	LOD	10 %	
Colour	Clear	Riffle	30 %	Sand		Boulder		
Stage (H/M/L)	M	Flat		Gravel	20 %	Cutbank	10 %	
Gradient (%)	1%	Rapids		Cobble	70 %	Instream veg.		
Wet Width (m)	8.4	Other		Boulder		Overstream veg.	30 %	
Chnl Width (m)	11.2			Bedrock				
Ave. Depth (m)	0.65	Stream Bank		Substrate Type (%)				
Vel'y (m/s)	0.33	Slope (%)	10 %	Organic		Cobble	70 %	
		Height (m)	1.5	Silt	10 %	Boulder		
		% unstable	40 %	Sand	10 %	Bedrock		
				Gravel	10 %	Other		
Riparian Veg: spruce, alder, willow								
Comments: large accumulation of LWD on gravel bar in lower part of creek (not a barrier)								

Stream Survey Data, 2005		QUIET LAKE		Stream body: Crater Creek				
FISHERIES RESOURCES			Species Composition & Abundance					
Sampling Methods			Species		YOY	Juvenile	Adult	Total
Method	Hrs or min. set	# of sets	Chinook					
MT	24 hrs	7	Lake Trout					
BS			Bull Trout					
GN			Round Whitefish					
AN			Lake Whitefish					
EF			Broad Whitefish					
COMMENTS: No jcs captured			Slimy Sculpin				3	3
			Longnose Sucker					
			Arctic Grayling					
			Inconnu					
			Least Cisco					
			Northern Pike					
			Burbot					

Quiet Lake Tributary – Inlet Stream (unnamed)

Stream Survey Data, 2005 QUIET LAKE TRIBUTARIES							
Waterbody ID	Inlet Stream	Weather	Overcast, cool		Date: Aug 2, 2005	Crew: FS,DS,JW	
	Site ID		R#2, S#1	Northing			
STREAM CHARACTERISTICS			Distance Surveyed (m)		250 m	Photos	Yes
Temp.(°C)	7.0	Habitat Type (%)		Substrate Type (%)		Cover Type (%)	
Cond. (uS/cm)	130	Pool	40%	Organic		Deep pool	50%
pH	7.5	Run	60%	Silt	40%	LOD	
Colour	Green/brwn	Riffle		Sand	50%	Boulder	
Stage (H/M/L)	M	Flat		Gravel	10%	Cutbank	
Gradient (%)	<1%	Rapids		Cobble		Instream veg.	
Wet Width (m)	7.1	Other		Boulder		Overstream veg.	50%
Chnl Width (m)	7.3			Bedrock			
Depth (m)	0.62	Stream Bank		Substrate Type (%)			
Vel'y (m/s)	0.25	Slope (%)	1%	Organic	20%	Cobble	
		Height (m)	0.5	Silt	10%	Boulder	
		% unstable	30%	Sand	70%	Bedrock	
				Gravel		Other	
Riparian Veg: grasses, alder, willow							
Comments: reach is slow slough like							

Stream Survey Data, 2005 QUIET LAKE Stream body: Inlet Stream							
FISHERIES RESOURCES				Species Composition & Abundance			
Sampling Methods			Species	YOY	Juvenile	Adult	Total
Method	Hrs or min. set	# of sets	Chinook				
MT	24 hrs	5	Lake Trout				
BS			Bull Trout				
GN			Round Whitefish				
AN			Lake Whitefish				
EF			Broad Whitefish				
			Slimy Sculpin				
COMMENTS: No fish captured			Longnose Sucker				
			Arctic Grayling				
			Inconnu				
			Least Cisco				
			Northern Pike				
			Burbot				

Sandy Lake Tributary – Brown Creek

Stream Survey Data, 2005		SANDY LAKE TRIBUTARIES					
Waterbody ID	Brown Ck	Weather	Overcast, cool		Date: Aug 3, 2005	Crew: DS,FS,JD	
Site ID	R#1, S#1	Northing	6787976		Easting	0594803	
STREAM CHARACTERISTICS			Distance Surveyed (m)	250 m	Photos	Yes	
Temp.(°C)	7.2	Habitat Type (%)	Substrate Type (%)		Cover Type (%)		
Cond. (uS/cm)	--	Pool	10%	Organic		Deep pool	20%
pH	7.5	Run	70%	Silt	10%	LOD	10%
Colour	Clear	Riffle	20%	Sand	40%	Boulder	
Stage (H/M/L)	M	Flat		Gravel	40%	Cutbank	10%
Gradient (%)	<1%	Rapids		Cobble	10%	Instream veg.	
Wet Width (m)	9.5	Other		Boulder		Overstream veg.	60%
Chnl Width (m)	18.9			Bedrock			
Ave Depth (m)	0.85	Stream Bank		Substrate Type (%)			
Vel'y (m/s)	0.50	Slope (%)	1%	Organic		Cobble	10%
		Height (m)	0.5	Silt	10%	Boulder	
		% unstable	40%	Sand	40%	Bedrock	
				Gravel	40%	Other	
Riparian Veg: spruce, alder, willow							
Comments:							

Stream Survey Data, 2005		SANDY LAKE		Stream body: Brown Creek			
FISHERIES RESOURCES			Species Composition & Abundance				
Sampling Methods			Species	YOY	Juvenile	Adult	Total
Method	Hrs or min. set	# of sets	Chinook				
MT	23 hrs	5	Lake Trout				
BS			Bull Trout				
GN			Round Whitefish				
AN			Lake Whitefish				
EF			Broad Whitefish				
			Slimy Sculpin			2	2
COMMENTS: No jcs captured			Longnose Sucker				
			Arctic Grayling				
			Inconnu				
			Least Cisco				
			Northern Pike				
			Burbot			1	

Morley Lake Tributary – Unnamed tributary on north shore

Stream Survey Data, 2005 MORLEY LAKE TRIBUTARIES							
Waterbody ID	Trib #1 (north)	Weather		Date: July 25, 2005	Crew: DS,FS		
Site ID	R#1	Northing	6656125	Easting	0660089		
STREAM CHARACTERISTICS		Distance Surveyed (m)	250 m	Photos			
Temp.(°C)	8.8	Habitat Type (%)		Substrate Type (%)		Cover Type (%)	
Cond. (uS/cm)		Pool		Organic		Deep pool	
PH		Run		Silt	80%	LOD	50%
Colour	Clear	Riffle		Sand		Boulder	
Stage (H/M/L)	L	Flat		Gravel		Cutbank	
Gradient (%)		Rapids		Cobble	20%	Instream veg.	
Wet Width (m)		Other		Boulder		Overstream veg.	50%
Chnl Width (m)				Bedrock			
Depth (m)		Stream Bank		Substrate Type (%)			
Vel'y (m/s)		Slope (%)		Organic		Cobble	
		Height (m)		Silt		Boulder	
		% unstable		Sand		Bedrock	
				Gravel		Other	
Riparian Veg: extensive willow growth, 40% crown closure							
Comments: Creek has low flow and silty bottom, lots of large woody debris in stream							

Stream Survey Data, 2005 MORLEY LAKE Stream body: Unnamed tributary on north shore (#1)							
FISHERIES RESOURCES			Species Composition & Abundance				
Sampling Methods			Species	YOY	Juvenile	Adult	Total
Method	Hrs or min. set	# of sets	Chinook				
MT	24hrs	6	Lake Trout				
BS			Bull Trout				
GN			Round Whitefish				
AN			Lake Whitefish				
EF			Broad Whitefish				
			Slimy Sculpin				
COMMENTS: No fish captured			Longnose Sucker				
			Arctic Grayling				
			Inconnu				
			Least Cisco				
			Northern Pike				
			Burbot				

Morley Lake Tributary – Unnamed tributary on south shore

Stream Survey Data, 2005		MORLEY LAKE TRIBUTARIES					
Waterbody ID	Trib #2 (south)	Weather		Date: July 25, 2005	Crew: DS,FS		
Site ID	R#1	Northing	6657456	Easting	0662935		
STREAM CHARACTERISTICS			Distance Surveyed (m)	300 m	Photos		
Temp.(°C)	9.3	Habitat Type (%)	Substrate Type (%)		Cover Type (%)		
Cond. (uS/cm)		Pool		Organic		Deep pool	
PH		Run		Silt		LOD	
Colour	Clear	Riffle		Sand	20%	Boulder	
Stage (H/M/L)	M	Flat		Gravel		Cutbank	
Gradient (%)		Rapids		Cobble	80%	Instream veg.	
Wet Width (m)		Other		Boulder		Overstream veg.	
Chnl Width (m)				Bedrock			
Depth (m)		Stream Bank		Substrate Type (%)			
Vel'y (m/s)		Slope (%)		Organic		Cobble	
		Height (m)		Silt		Boulder	
		% unstable		Sand		Bedrock	
				Gravel		Other	
Riparian Veg: abundant willow growth, 50% crown closure							
Comments:							

Stream Survey Data, 2005		MORLEY LAKE		Stream body: Unnamed tributary on south shore (#2)			
FISHERIES RESOURCES			Species Composition & Abundance				
Sampling Methods			Species	YOY	Juvenile	Adult	Total
Method	Hrs or min. set	# of sets	Chinook				
MT	24 hrs	6	Lake Trout				
BS			Bull Trout				
GN			Round Whitefish				
AN			Lake Whitefish				
EF			Broad Whitefish				
			Slimy Sculpin				
COMMENTS: No fish captured. Observed unidentified juvenile fish in stream			Longnose Sucker				
			Arctic Grayling				
			Inconnu				
			Least Cisco				
			Northern Pike				
			Burbot				