

FDIS Site Card

Reach # ILP Map # ILP # Site
1.0 1

Watershed Code: 900-406900-00600-00000-0000-0000-000-000-000-000-000

PROJECT			
Project Name: Mainland Coast 1:50000 Overview - 2000			
Stream Name (gaz.): HOMATHKO RIVER		Project Code: 4500	
Project Watershed Code: 900-406900-00000-00000-0000-0000-000-000-000-000-000			

WATERSHED							
Gazetted Name: CUMSACK CREEK				Local Name:			
Watershed Code: 900-406900-00600-00000-0000-0000-000-000-000-000-000							
ILP Map#:	ILP #:	NID Map #: 92K/15	NID #: 36	Reach #:	1.0	Site #: 1	
Field UTM(Zone/East/North/Method)		GIS UTM(Zone/East/North)		Site Lg: 106		Method: HC	
10	366900	5644050	MAP	10	366915	5644288	Access: H
Date: 2000/09/15				Time: 14:30		Agency: C060	
Crew: DM/FH				Fish Crd?: ☒		Incomplete: ☐	

CHANNEL													
	Mtd	width	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	GE	28.00	25.00	22.00	28.00	26.00	22.00						25.17
Wetted Width (m):	GE	27.00	13.00	17.00	16.00	21.00	18.00						18.67
Pool Depth (m):	GE	0.40	0.30	0.40	0.20								0.33
Wb Depth:		1.1	1.6	1.5	Avg: 1.40		Method: MS		Stage: L ☒ M ☐ H ☐		No Vis.Ch.: ☐ Intermittent: ☐		
												Dw: ☐ Tribs.: ☐	
COVER Total: A													
Type:	SWD	LWD	B	U	DP	OV	IV	CROWN CLOSURE					
Amount:	T	S	N	T	S	T	D	1 1-20%					
Loc: P/S/O:	☒	☒	☒	☒	☒	☒	☒	INSTREAM VEG: N ☐ A ☐ M ☐ V ☒					
LWD: F DIST: C													
LB SHP: V RB SHP: S													
Texture: ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A Texture: ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A													
RIP: M RIP: M													
STG: MF STG: MF													

WATER							
EMS:				Req #:			
Temp: 9		Method: T3		Cond.: 70		Method: S4	
pH: 6.5		Method: P4		Turb.: ☐ T ☐ M ☐ L ☒ C		Method: GE	
Flood Signs:				Method:			

MORPHOLOGY													
Bed Material:		Dominant: F		Subdom: NA									
D95: 0.10		D (cm): 0.10		Morph: LC		DISTURBANCE INDICATORS							
Pattern: IR						O1 B1 B2 B3 D1 D2 D3							
Islands: N						☐ ☐ ☐ ☐ ☐ ☐ ☐							
Coupling: DC						C1 C2 C3 C4 C5 S1 S2 S3 S4 S5							
Confinement: UN						☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐							
FSZ ☐						Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR							

HABITAT QUALITY	
Name	Comments
OverWinter Habitat	Good overwintering due to water depth.
Spawning Habitat	No spawning gravel observed.
Cover	Good cover complexing
Rearing Habitat	Good juvenile rearing - especially coho. Slow flowing deep river with lots of cover.

PHOTOS				
Photo	Foc Lg	Dir	Comments	
R: 21 F: 12	STD	D		
R: 21 F: 13	STD	U		

FDIS Site Card

Watershed Code: 900-406900-00600-00000-0000-0000-000-000-000-000-000

Reach #1.0

ILP Map #

ILP #

Site1

C O M M E N T S	
Section	Comments
SITE CARD	D and D95 entered as 0.1 because numerical value must be entered.
SITE CARD	Site moved downstream into reach 1
SITE CARD	Original site not accessible by helicopter. Channelized wetland. Original site also appeared quite deep from helicopter. Likely not shockable either
CHANNEL	No residual pool depth but overall depth provides good cover.
CHANNEL	Most of site exhibited water depth >1m.

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 900-406900-00600-00000-00000-00000-000-000-000-000-000

1.0

WATERBODY														
Gazetted Name: CUMSACK CREEK										Local:				
Project Code: 900-406900-00000-00000-00000-00000-000-000-000-000-0														
WS Code: 900-406900-00600-00000-00000-00000-000-000-000-000-000														
Waterbody ID:				ILP Map #:				ILP #:		Reach #:		1 -		
Project ID: 4500								Lake/Stream: S		Lake From Date:				
Fish Permit #:		FC2000-70		Date:		2000/09/15		To:		2000/09/15		Agency: C060		
										Crew: FH/DM		Resample: ☐		
SITE / METHOD														
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO	Temp	Cond	Turbid	Comment			
1	92K/15	36	10	366900	5644050	MAP	EF	1	9	70	C			
A. GEAR SETTINGS														
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment							
1	EF	1	1	2000/09/15	14:35	2000/09/15	15:00							
C. ELECTROFISHER SPECIFICATIONS														
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model			
1	EF	1	1	O	189	50.0	1.5	200	80	6	SMITH-ROOT	12B-POW		
FISH SUMMARY														
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment					
1	EF	1	1	NFC		0								
COMMENTS														
Section			Comments											
WATERBODY			Site was moved from reach 5 to reach 1 due to inaccessibility (no landing spot)											
WATERBODY			Stream inaccessible for shocking. Too deep. Shocked a back channel, but dried up after approx. 50m											

Upstream photo of watershed code 900-406900-00600, Reach 1, Site 1. Photo archived on CD 2988, Image #49.



Downstream photo of watershed code 900-406900-00600, Reach 1, Site 1. Photo archived on CD 2988, Image #48.



FDIS Site Card

Watershed Code: 900-406900-08700-00000-00000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP # Site 2

PROJECT

Project Name: Mainland Coast 1:50000 Overview - 2000
Stream Name (gaz.): HOMATHKO RIVER
Project Watershed Code: 900-406900-00000-00000-00000-0000-000-000-000-000-000

Project Code: 4500

WATERSHED

Gazetted Name: SMITH CREEK
Watershed Code: 900-406900-08700-00000-00000-0000-000-000-000-000-000
ILP Map #: ILP #: NID Map #: 92N/2

Local Name:

NID #: 37

Reach #: 1.0

Site #: 2

Field UTM(Zone/East/North/Method)				GIS UTM(Zone/East/North)		
10	362850	5652300	GPU	10	362692	5652554

Site Lg: 110

Method: HC

Access: H

Ref. Name:

Date: 2000/09/15

Time: 15:40

Agency: C060

Crew: DM/FH/JB/SP

Fish Crd?: ☒

Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	GE	23.00	18.00	30.00	21.00	17.00	20.00					21.50
Wetted Width (m):	GE	20.00	16.00	26.00	18.00	15.00	19.00					19.00
Pool Depth (m):	MS	0.20	0.30	0.80	0.20	0.50	0.35					0.39

	Gadient %		Mtd	Avg
Method I:	3.0	3.0	C	3.00
Method II:			C	

No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

Wb Depth: .8 1.5 .9 Avg: 1.07

Method: MS

Stage: L ☐ M ☒ H ☐

COVER

Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	T	D	N	S	T	N
Loc: P/S/O:	☒	☒	☒	☒	☒	☒	☒

CROWN CLOSURE

2 21-40%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

LWD: F

DIST: E

LB SHP: V

Texture: ☐ F ☐ G ☒ C ☒ B ☐ R ☐ A

RIP: M

STG: MF

RB SHP: S

Texture: ☐ F ☐ G ☒ C ☒ B ☐ R ☐ A

RIP: M

STG: MF

WATER

EMS:
Temp: 10
pH: 6.5
Flood Signs:

Method: T3
Method: P4
Method:

Req #:

Cond.: 20

Turb.: ☐ T ☐ M ☒ L ☐ C

Method: S4

Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: B
D95: 95.0 D (cm): 27.00 Morph: RP
Pattern: S1
Islands: O
Coupling: DC
Confinement: UN
FSZ ☐

	O1	B1	B2	B3	D1	D2	D3			
DISTURBANCE INDICATORS	☐	☐	☐	☐	☐	☐	☐			
	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Bars: ☐ N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

HABITAT QUALITY

Name	Comments
Rearing Habitat	Excellent rearing habitat, good pool cover and functioning LWD.
Spawning Habitat	Good spawning habitat, below bridge there are sections of gravel, good flow, velocity not too fast.

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 40 F: 17	STD	D	
R: 40 F: 18	STD	U	

COMMENTS

Section	Comments
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FDIS Site Card

Watershed Code: 900-406900-08700-00000-0000-0000-000-000-000-000-000		Reach #	ILP Map #	ILP #	Site
		1.0			2
COMMENTS					
Section	Comments				
WATER	Stream too deep and fast to cross. Edge habitat sampled for fish.				

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 900-406900-08700-00000-0000-0000-000-000-000-000-000

1.0

WATERBODY																	
Gazetted Name: SMITH CREEK										Local:							
Project Code: 900-406900-00000-00000-0000-0000-000-000-000-0																	
WS Code: 900-406900-08700-00000-0000-0000-000-000-000-000																	
Waterbody ID:					ILP Map #:					ILP #:		Reach #: 1 -					
Project ID: 4500					Lake/Stream: S					Lake From Date:							
Fish Permit #: FC2000-70					Date: 2000/09/15			To: 2000/09/15			Agency: C060		Crew: JB/SP		Resample: ☐		
SITE / METHOD																	
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO		Temp	Cond	Turbid	Comment						
2	92N/2	37	10	362850	5652300	MAP	EF	1	10	20	L						
A. GEAR SETTINGS																	
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment										
2	EF	1	1	2000/09/15	15:00	2000/09/15	15:30										
C. ELECTROFISHER SPECIFICATIONS																	
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Width	Voltage	Frequency	Pulse	Make	Model						
2	EF	1	1	O	540	110.0	2.0	800	70	6	SMITH-ROOT	12B-POW					
FISH SUMMARY																	
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment							
2	EF	1	1	DV	J	1	58	58	R								
2	EF	1	1	CCT	J	2+	2	130	148	R							
2	EF	1	1	BT	J	1	101	101	R								
2	EF	1	1	DV/BT	J	1	97	97	R								
2	EF	1	1	CCT	J	1	100	100	R								
2	EF	1	1	RB	J	1	110	110	R								
2	EF	1	1	CO	A	2+	2	300	340	R							
INDIVIDUAL FISH DATA																	
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment	
								Str/Smpl#	Age	Str/Smpl#							
2	EF	1	1	CO	340	445.0	U	U	SC	1	2+		FR	1	40	15	coho
2	EF	1	1	CCT	148	33.8	U	U	SC	2	2+		FR	2	40	16	
2	EF	1	1	CO	300	326.4	U	U									coho
2	EF	1	1	DV	97	9.3	U	U				1					
2	EF	1	1	CCT	130	19.7	U	U	SC	3	2+		FR	3			
2	EF	1	1	BT	101	10.9	U	U				2					
2	EF	1	1	DV/BT	58	1.6	U	U									
2	EF	1	1	RB	110	14.7	U	U				3					
2	EF	1	1	CCT	100	11.5	U	U				4					
COMMENTS																	
Section				Comments													
WATERBODY				Stream too deep and fast to cross. Edge habitat sampled for fish.													

Upstream photo of watershed code 900-406900-08700, Reach 1, Site 2. Photo archived on CD 2708, Image #54.



Downstream photo of watershed code 900-406900-08700, Reach 1, Site 2. Photo archived on CD 2708, Image #53.



FDIS Site Card

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # 92N/2 ILP # 2 Site 3

PROJECT

Project Name: Mainland Coast 1:50000 Overview - 2000
Stream Name (gaz.): HOMATHKO RIVER
Project Watershed Code: 900-406900-00000-00000-0000-0000-000-000-000-000-000

Project Code: 4500

WATERSHED

Gazetted Name: Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000
ILP Map#: 92N/2 ILP #: 2 NID Map #: 92N/2 NID #: 38 Reach #: 1.0 Site #: 3
Field UTM(Zone/East/North/Method) GIS UTM(Zone/East/North) Site Lg: 75 Method: HC Access: V2
10 364347 5652582 GPU 10 364329 5652617 Ref. Name:
Date: 2000/09/18 Time: 08:30 Agency: C060 Crew: DM/SP Fish Crd?: ☒ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg		Gadient %	Mtd	Avg
Channel Width (m):	T	5.80	5.00	4.90	5.20	6.80	6.50					5.70	Method I:	2.0	C	2.00
Wetted Width (m):	T	4.20	3.60	3.40	4.00	4.40	4.20					3.97	Method II:		C	
Pool Depth (m):	MS	0.20	0.15		0.20	0.10	0.40					0.21				

Wb Depth: 1.2 1.4 1.0 Avg: 1.20 Method: MS Stage: L ☒ M ☐ H ☐
No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	D	S	N	S	T	T	N
Loc: P/S/O:	☒	☒	☒	☒	☒	☒	☒

CROWN CLOSURE

2 21-40%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

LWD: F DIST: C

LB SHP: S

Texture: ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A

RIP: D

STG: YF

RB SHP: U

Texture: ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A

RIP: D

STG: YF

WATER

EMS: Req #: Temp: 7 Method: T3 Cond.: 10 Method: S4
pH: 6.4 Method: P4 Turb.: ☐ T ☐ M ☐ L ☒ C Method: GE
Flood Signs: Method:

MORPHOLOGY

Bed Material: Dominant: F Subdom: G O1 B1 B2 B3 D1 D2 D3
D95: 6.00 D (cm): 4.00 Morph: RP DISTURBANCE INDICATORS
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
Islands: N
Coupling: DC
Confinement: UN
FSZ ☐ Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

HABITAT QUALITY

Name	Comments
Spawning Habitat	One section of spawning gravel measuring 8m by 1m in size. Substrate ranged from between 2 and 6cm. Some silt in interstices but gravel still moveable with foot.
Rearing Habitat	Fair to good rearing for juvenile salmonids. Good cover complexing.

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 37 F: 16	STD	U	
R: 37 F: 17	STD	D	
R: 37 F: 18	STD	U	photo of culvert

COMMENTS

FDIS Site Card

	Reach #	ILP Map #	ILP #	Site
Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000	1.0	92N/2	2	3

Section	Comments
SITE CARD	this site replaces 900-406900-10500, reach 5
CHANNEL	This stream flows into ILP 3 - 75m downstream from road crossing
CHANNEL	stream is filled with alder leaves

FDIS Fish Form

Watershed Code:

000-000000-00000-00000-0000-0000-000-000-000-000-000-000

Reach #

ILP Map #

ILP #

1.0

92N/2

2

WATERBODY																			
Gazetted Name:										Local:									
Project Code: 900-406900-00000-00000-0000-000-000-000-000-0																			
WS Code: 000-000000-00000-00000-0000-000-000-000-000-000-000																			
Waterbody ID:					ILP Map #: 92N/2					ILP #:			2		Reach #: 1 -				
Project ID: 4500					Lake/Stream: S					Lake From Date:									
Fish Permit #: FC2000-70				Date: 2000/09/18				To: 2000/09/18				Agency: C060			Crew: DM/SP			Resample: ☐	
SITE / METHOD																			
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO		Temp	Cond	Turbid	Comment							
3	92N/2	38	10	364347	5652582	GPU	EF	1	7	10	C								
A. GEAR SETTINGS																			
Site#	MTD/NO		H/P	Date In	Time In	Date Out	Time Out	Comment											
3	EF	1	1	2000/09/18	08:40	2000/09/18	09:15												
C. ELECTROFISHER SPECIFICATIONS																			
Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model							
3	EF	1	1	O	239	75.0	1.5	600	90	6	SMITH-ROOT	12B-POW							
FISH SUMMARY																			
Site#	MTD/NO		H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment								
3	EF	1	1	CO	J		3	66	90	R									
INDIVIDUAL FISH DATA																			
Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic		Roll #	Frame#	Comment			
									Str/Smpl#	Age		Str/Smpl#							
3	EF	1	1	CO	90		U	U											
3	EF	1	1	CO	77		U	U											
3	EF	1	1	CO	66		U	U						37	19				
COMMENTS																			
Section				Comments															
WATERBODY				Replacement site for 900-406900-10500 reach 5 (approved by contract monitor)															

Upstream photo of ILP 2, 92N/2, Reach 1, Site 3. Photo archived on CD 2708, Image #101.



Downstream photo of ILP 2, 92N/2, Reach 1, Site 3. Photo archived on CD 2708, Image #102.



FDIS Site Card

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 Reach # 1.0 ILP Map # 92N/2 ILP # 3 Site 4

PROJECT

Project Name: Mainland Coast 1:50000 Overview - 2000
Stream Name (gaz.): HOMATHKO RIVER Project Code: 4500
Project Watershed Code: 900-406900-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Gazetted Name: Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000
ILP Map#: 92N/2 ILP #: 3 NID Map #: 92N/2 NID #: 39 Reach #: 1.0 Site #: 4
Field UTM(Zone/East/North/Method) GIS UTM(Zone/East/North) Site Lg: 105 Method: HC Access: V2
10 364452 5652678 GPU 10 364498 5652716 Ref. Name:
Date: 2000/09/18 Time: 07:10 Agency: C060 Crew: DM/SP Fish Crd?: ☒ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg		Gadient %	Mtd	Avg
Channel Width (m):	T	6.10	5.30	6.60	5.80	6.20	6.00					6.00	Method I:	2.0	C	2.00
Wetted Width (m):	T	4.00	4.60	4.20	4.00	4.30	4.50					4.27	Method II:		C	
Pool Depth (m):	MS	0.60	0.40	0.30	0.40	0.30						0.40	No Vis.Ch.:	☐	Intermittent:	☐
Wb Depth:	.5	.6	.5										Dw:	☐	Tribs.:	☐

COVER

Total: M

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	D	N	S	S	T	N
Loc: P/S/O:	☒	☒	☒	☒	☒	☒	☒

CROWN CLOSURE

3 41-70%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

LWD: F

DIST: C

LB SHP: U

Texture: ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A

RIP: D

STG: MF

RB SHP: S

Texture: ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A

RIP: D

STG: MF

WATER

EMS: Req #: 10
Temp: 9 Method: T3 Cond.: 10 Method: S4
pH: 6.0 Method: P4 Turb.: ☐ T ☐ M ☐ L ☒ C Method: GE
Flood Signs: Method:

MORPHOLOGY

Bed Material: Dominant: F Subdom: NA O1 B1 B2 B3 D1 D2 D3
D95: 0.10 D (cm): 0.10 Morph: RP DISTURBANCE INDICATORS
Pattern: SI C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
Islands: O
Coupling: DC
Confinement: UN
FSZ ☐ Bars: ☐ N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

HABITAT QUALITY

Name	Comments
Spawning Habitat	One area os spawning gravel located at bridge crossing (where adults observed) and one area of smaller substrate (approx. 1-2mm rounded) halfway down site.
Rearing Habitat	Fair to good rearing. Good for smaller numbers of fish as there will be competition for cover. Middle of stream is shallow with no cover, but banks provide a good variety of cover types.

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 37 F: 14	STD	U	
R: 37 F: 15	STD	D	
R: 37 F: 20	STD	BD	photo from bridge of adult coho

FDIS Site Card

Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000-000

Reach # 1.0 ILP Map # 92N/2 ILP # 3 Site 4

PHOTOS						
Photo		Foc Lg		Dir	Comments	
R:	37	F:	21	STD	BD	photo of male and female adult coho
R:	37	F:	22	STD	BD	photo of male and female again
WILDLIFE						
Group		Observations				
MAM		silviculture crew spotted grizzly in the area 2 days ago				
COMMENTS						
Section		Comments				
SITE CARD		.1 entered for D and D95 to appease FDIS gods.				
SITE CARD		Reach number estimated from NTS map.				
SITE CARD		replacement site for 900-406900-10500, reach 23. (Heakamie)				

FDIS Fish Form

Watershed Code:

000-000000-00000-00000-0000-0000-000-000-000-000-000-000

Reach #

ILP Map #

ILP #

1.0

92N/2

3

WATERBODY																	
Gazetted Name:										Local:							
Project Code: 900-406900-00000-00000-0000-000-000-000-000-0																	
WS Code: 000-000000-00000-00000-0000-000-000-000-000-000																	
Waterbody ID:					ILP Map #: 92N/2					ILP #:		3		Reach #:		1 -	
Project ID: 4500					Lake/Stream: S							Lake From Date:					
Fish Permit #: FC2000-70					Date: 2000/09/18			To: 2000/09/18			Agency: C060		Crew: DM/SP		Resample: ☐		
SITE / METHOD																	
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO		Temp	Cond	Turbid	Comment						
4	92N/2	39	10	364452	5652678	GPU	EF	1	9	10	C						
A. GEAR SETTINGS																	
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment										
4	EF	1	1	2000/09/18	07:10	2000/09/18	07:50										
C. ELECTROFISHER SPECIFICATIONS																	
Site#	MTD/NO		H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model					
4	EF	1	1	O	499	105.0	2.0	600	90	6	SMITH-ROOT	12B-POW					
FISH SUMMARY																	
Site#	MTD/NO		H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment						
4	EF	1	1	L	A		3	150	180	R							
4	EF	1	1	CO	J		6	41	74	R							
INDIVIDUAL FISH DATA																	
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment	
								Str	Smpl#	Age		Str	Smpl#				
4	EF	1	1	CO	46		U	U									
4	EF	1	1	CO	70		U	U									
4	EF	1	1	CO	74		U	U									
4	EF	1	1	CO	41		U	U									
4	EF	1	1	CO	60		U	U									
4	EF	1	1	CO	51		U	U									
4	EF	1	1	L	150		U	U			1						
4	EF	1	1	L	160		U	U			2						
4	EF	1	1	L	180		U	U			3						
COMMENTS																	
Section				Comments													
WATERBODY				3 adult spawning coho observed directly below bridge (using bridge as cover)													
WATERBODY				Two salmonids (approx. 150mm length) visually observed while shocking. However, due to good visibility (clear water) they avoided our capture attempts.													

Upstream photo of ILP 3, 92N/2, Reach 1, Site 4. Photo archived on CD 2708, Image #99.



Downstream photo of ILP 3, 92N/2, Reach 1, Site 4. Photo archived on CD 2708, Image #100.



FDIS Site Card

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # 92N/2 ILP # 1 Site 5

PROJECT

Project Name: Mainland Coast 1:50000 Overview - 2000
Stream Name (gaz.): HOMATHKO RIVER
Project Watershed Code: 900-406900-00000-00000-0000-0000-000-000-000-000-000

Project Code: 4500

WATERSHED

Gazetted Name: Local Name:
Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000
ILP Map#: 92N/2 ILP #: 1 NID Map #: 92N/2 NID #: 40 Reach #: 1.0 Site #: 5
Field UTM(Zone/East/North/Method) GIS UTM(Zone/East/North) Site Lg: 100 Method: GE Access: V2
10 366319 5658742 GPU 10 366262 5658810 Ref. Name:
Date: 2000/09/18 Time: 09:00 Agency: C060 Crew: JB/FH Fish Crd?: ☒ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	MS	3.20	2.90	3.30	2.50	3.00	2.90					2.97
Wetted Width (m):	MS	0.80	1.10	1.30	0.00	0.00	0.00					0.53
Pool Depth (m):	MS	0.30	0.20	0.30	0.15	0.25	0.20					0.23

	Gadient %		Mtd	Avg
Method I:	12.0	10.0	C	12.75
Method II:	4.0	25.0	C	

Wb Depth:	.6	.5	.5	Avg: 0.53	Method: MS	Stage: L ☒ M ☐ H ☐
-----------	----	----	----	-----------	------------	--

No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER

Total: A

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	S	D	T	T	T	S	N
Loc: P/S/O:	☒	☒	☒	☒	☒	☒	☒

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☐ A ☐ M ☒ V ☒

LWD: F

DIST: E

LB SHP: O

Texture: ☒ F ☐ G ☒ C ☐ B ☐ R ☐ A

RIP: M

STG: YF

RB SHP: S

Texture: ☒ F ☐ G ☒ C ☐ B ☐ R ☐ A

RIP: M

STG: YF

WATER

EMS: Temp: 10 pH: 6.5 Flood Signs: Method: T3 Method: P4 Method: Req #: Cond.: 40 Turb.: ☐ T ☐ M ☐ L ☒ C Method: S4 Method: GE

MORPHOLOGY

Bed Material: Dominant: C Subdom: F D95: 45.0 D (cm): 4.00 Morph: SP
Pattern: Si Islands: N Coupling: CO Confinement: CO FSZ ☐

O1	B1	B2	B3	D1	D2	D3													
☐	☐	☐	☐	☐	☐	☐													
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5										
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐										

Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR

FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)
92N/2	104	FSB					R: 38 F: 9 L: #:		10 366262 5658810 GIS
Comments: shows subsurface flow area									
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)
92N/2	103	BR					R: 38 F: 5, 6 L: #:		10 366262 5658810 GIS
Comments: downstream shot. Shows pool above road in disrepair									

HABITAT QUALITY

Name

Comments

FDIS Site Card

Watershed Code: 000-000000-00000-00000-0000-000-000-000-000-000-000

Reach # 1.0 ILP Map # 92N/2 ILP # 1 Site 5

HABITAT QUALITY					
Name			Comments		
Other			Access from Homathko River appears good but sections of stream may become isolated when water levels drop which seems to be the case here.		
Rearing Habitat			Moderate rearing habitat, good cover from pools and LWD but flow is very low and could possibly dry up.		
Spawning Habitat			Fair spawning habitat, some gravels present and gradient from FSB to mouth is fairly low.		
PHOTOS					
Photo		Foc Lg	Dir	Comments	
R:	38 F: 5	STD	D	shows bridge	
R:	38 F: 6	STD	D	shows bridge	
R:	38 F: 7	STD	U		
R:	38 F: 8	STD	D		
R:	38 F: 9	STD	U	shows subsurface flow above the road.	
COMMENTS					
Section		Comments			
SITE CARD		Site appears to be located in what would be reach 1. Trib. Not broken out into reaches.			
CHANNEL		stream not visible on NTS, only at 1:20000 scale			
SITE CARD		substrate: gravels present as well			
CHANNEL		Trib. Gradient increases around area of subsurface flow approx. 30m upstream from bridge.			
SITE CARD		This site replaces 900-406900-11600, reach 10 (Jewakwa)			
WATER		water appears to run subsurface under road as well.			
CHANNEL		stream runs subsurface approx. 30m upstream from the road.			

FDIS Fish Form

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000 Reach # 1.0 ILP Map # 92N/2 ILP # 1

WATERBODY																	
Gazetted Name:										Local:							
Project Code: 900-406900-00000-00000-0000-0000-000-000-000-000-0																	
WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000																	
Waterbody ID:					ILP Map #: 92N/2					ILP #:		1		Reach #: 1 -			
Project ID: 4500					Lake/Stream: S					Lake From Date:							
Fish Permit #: FC2000-70					Date: 2000/09/18			To: 2000/09/18			Agency: C060		Crew: JB/FH		Resample: ☐		
SITE / METHOD																	
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment							
5	92N/2	40	10	366319	5658742	GPU	EF	1	10	40	C						
A. GEAR SETTINGS																	
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment										
5	EF	1	1	2000/09/18	09:00	2000/09/18	09:15										
C. ELECTROFISHER SPECIFICATIONS																	
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Width	Voltage	Frequency	Pulse	Make	Model						
5	EF	1	1	O	177	30.0	2.0	500	80	6	SMITH-ROOT	12B-POW					
FISH SUMMARY																	
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment								
5	EF	1	1	CCT	A	3+	2	99	155	R							
5	EF	1	1	CCT	J	1+	1	105	105	R							
5	EF	1	1	TR	J		2	35	40	R							
5	EF	1	1	CCT	J		3	69	93	R							
INDIVIDUAL FISH DATA																	
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment	
								Str/Smpl#	Age	Str/Smpl#							
5	EF	1	1	CCT	155	41.7	U	U	SC	1	3+		FR	1	38	4	
5	EF	1	1	CCT	105	10.3	U	U	SC	2	1+		FR	2			
5	EF	1	1	CCT	80	5.4	U	U				1					
5	EF	1	1	CCT	99	11.8	U	U	SC	3	3+		FR	3			
5	EF	1	1	CCT	93	8.9	U	U									
5	EF	1	1	CCT	69	2.8	U	U									
5	EF	1	1	TR	35	.3	U	U				2					probable CT
5	EF	1	1	TR	40	.6	U	U									probable CT
COMMENTS																	
Section		Comments															
WATERBODY		replacement site for 900-406900-11600 reach 10. (approved by contract monitor)															
WATERBODY		Only able to shock 30m due to sub-surface flow															

Upstream photo of ILP 1, 92N/2, Reach 1, Site 5. Photo archived on CD 2988, Image #112.



Downstream photo of ILP 1, 92N/2, Reach 1, Site 5. Photo archived on CD 2988, Image #113.



FDIS Site Card

Watershed Code: 900-406900-16700-00000-00000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP # 6 Site # 6

PROJECT																																																																														
Project Name: Mainland Coast 1:50000 Overview - 2000										Project Code: 4500																																																																				
Stream Name (gaz.): HOMATHKO RIVER																																																																														
Project Watershed Code: 900-406900-00000-00000-00000-0000-000-000-000-000-000-000																																																																														
WATERSHED																																																																														
Gazetted Name: BREW CREEK										Local Name:																																																																				
Watershed Code: 900-406900-16700-00000-00000-00000-000-000-000-000-000-000																																																																														
ILP Map#:		ILP #:		NID Map #: 92N/3			NID #: 41			Reach #: 1.0		Site #: 6																																																																		
Field UTM(Zone/East/North/Method) 10 358522 5662520 GPU					GIS UTM(Zone/East/North) 10 358398 5662685					Site Lg: 100		Method: GE		Access: H																																																																
Date: 2000/09/17					Time: 12:30		Agency: C060		Crew: DM/SP		Fish Crd?: ☒		Incomplete: ☐																																																																	
CHANNEL																																																																														
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Mtd</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>Avg</th> </tr> </thead> <tbody> <tr> <td>Channel Width (m):</td> <td>GE</td> <td>85.00</td> <td>110.00</td> <td>55.00</td> <td>50.00</td> <td>70.00</td> <td>60.00</td> <td></td> <td></td> <td></td> <td></td> <td>71.67</td> </tr> <tr> <td>Wetted Width (m):</td> <td>GE</td> <td>35.00</td> <td>100.00</td> <td>50.00</td> <td>45.00</td> <td>65.00</td> <td>55.00</td> <td></td> <td></td> <td></td> <td></td> <td>58.33</td> </tr> <tr> <td>Pool Depth (m):</td> <td>MS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> </tr> </tbody> </table>														Mtd	width	width	width	width	width	width	width	width	width	width	Avg	Channel Width (m):	GE	85.00	110.00	55.00	50.00	70.00	60.00					71.67	Wetted Width (m):	GE	35.00	100.00	50.00	45.00	65.00	55.00					58.33	Pool Depth (m):	MS											0.00	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Gadient %</th> <th>Mtd</th> <th>Avg</th> </tr> </thead> <tbody> <tr> <td>Method I:</td> <td>5.0</td> <td></td> <td>C</td> </tr> <tr> <td>Method II:</td> <td></td> <td></td> <td>C</td> </tr> </tbody> </table>			Gadient %	Mtd	Avg	Method I:	5.0		C	Method II:			C
	Mtd	width	width	width	width	width	width	width	width	width	width	Avg																																																																		
Channel Width (m):	GE	85.00	110.00	55.00	50.00	70.00	60.00					71.67																																																																		
Wetted Width (m):	GE	35.00	100.00	50.00	45.00	65.00	55.00					58.33																																																																		
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	Gadient %	Mtd	Avg																																																																											
Method I:	5.0		C																																																																											
Method II:			C																																																																											
Wb Depth:		4.0	1.5	2.5	Avg: 2.67			Method: GE		Stage: L ☐ M ☒ H ☐		No Vis.Ch.: ☐ Intermittent: ☐ Dw: ☐ Tribs.: ☐																																																																		
COVER Total: M																																																																														
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Type:</th> <th>SWD</th> <th>LWD</th> <th>B</th> <th>U</th> <th>DP</th> <th>OV</th> <th>IV</th> </tr> </thead> <tbody> <tr> <td>Amount:</td> <td>T</td> <td>S</td> <td>D</td> <td>T</td> <td>T</td> <td>S</td> <td>N</td> </tr> <tr> <td>Loc: P/S/O:</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> </tr> </tbody> </table>								Type:	SWD	LWD	B	U	DP	OV	IV	Amount:	T	S	D	T	T	S	N	Loc: P/S/O:	☒	☒	☒	☒	☒	☒	☒	CROWN CLOSURE 1 1-20%																																														
Type:	SWD	LWD	B	U	DP	OV	IV																																																																							
Amount:	T	S	D	T	T	S	N																																																																							
Loc: P/S/O:	☒	☒	☒	☒	☒	☒	☒																																																																							
LWD: F DIST: C								INSTREAM VEG: N ☒ A ☐ M ☐ V ☐																																																																						
LB SHP: V								RB SHP: S																																																																						
Texture: ☒ F ☐ G ☒ C ☐ B ☐ R ☐ A								Texture: ☒ F ☒ G ☒ C ☐ B ☐ R ☐ A																																																																						
RIP: M								RIP: M																																																																						
STG: MF								STG: MF																																																																						
WATER																																																																														
EMS:					Req #:					Cond.:																																																																				
Temp: 5					Method: T3					Method: S4																																																																				
pH: 6.7					Method: P4					Method: GE																																																																				
Flood Signs:					Turb.: ☒ T ☐ M ☐ L ☐ C																																																																									
MORPHOLOGY																																																																														
Bed Material: Dominant: C					Subdom: B					O1 B1 B2 B3 D1 D2 D3																																																																				
D95: 61.0 D (cm): 61.00					Morph: LC					<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </table>					☐	☐	☐	☐	☐	☐	☐																																																									
☐	☐	☐	☐	☐	☐	☐																																																																								
Pattern: S1					DISTURBANCE INDICATORS					C1 C2 C3 C4 C5 S1 S2 S3 S4 S5																																																																				
Islands: O										<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </table>					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																																					
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																																																				
Coupling: DC																																																																														
Confinement: UN																																																																														
FSZ ☐										Bars: ☐ N ☐ SIDE ☐ DIAG ☒ MID ☐ SPAN ☐ BR																																																																				
HABITAT QUALITY																																																																														
Name					Comments																																																																									
Other					Habitat assessment is subjective due to turbidity and lack of access.																																																																									
Spawning Habitat					Fair spawning. Gravel observed between main and smaller bar (3-6cm in diameter)																																																																									
Cover					Good cover complexing along the banks.																																																																									
Rearing Habitat					Fair rearing for species preferring high velocity streams. Some moderate flow conditions exist along banks on inside bends of river																																																																									
PHOTOS																																																																														
Photo		Foc Lg		Dir		Comments																																																																								
R:	23	F:	23	STD		D																																																																								
R:	23	F:	24	STD		U																																																																								

FDIS Site Card

Watershed Code: 900-406900-16700-00000-0000-0000-000-000-000-000-000		Reach #	ILP Map #	ILP #	Site
		1.0			6
COMMENTS					
Section	Comments				
WATER	conductivity <10ms				
MORPHOLOGY	Pool depths not measured due to lack of access to stream (safety concerns)				
CHANNEL	Only area accessible for sampling is a mid-channel bar measuring 42m in length				

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 900-406900-16700-00000-0000-0000-000-000-000-000

1.0

WATERBODY																													
Gazetted Name: BREW CREEK										Local:																			
Project Code: 900-406900-00000-00000-0000-000-000-000-000-0																													
WS Code: 900-406900-16700-00000-0000-000-000-000-000-000																													
Waterbody ID:					ILP Map #:					ILP #:					Reach #: 1 -														
Project ID: 4500					Lake/Stream: S					Lake From Date:																			
Fish Permit #: FC2000-70					Date: 2000/09/17					To: 2000/09/17					Agency: C060					Crew: DM/SP					Resample: ☐				
SITE / METHOD																													
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO		Temp	Cond	Turbid	Comment																		
6	92N/3	41	10	358522	5662520	GPU	EF	1	5		T	conductivity <10ms																	
A. GEAR SETTINGS																													
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment																						
6	EF	1	1	2000/09/17	12:45	2000/09/17	13:10																						
C. ELECTROFISHER SPECIFICATIONS																													
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Width	Voltage	Frequency	Pulse	Make	Model																		
6	EF	1	1	O	438	103.0	1.0	900	90	6	SMITH-ROOT	12B-POW																	
FISH SUMMARY																													
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment																			
6	EF	1	1	CH	J		11	68	89	R																			
6	EF	1	1	DV	A		3	139	212	R																			
INDIVIDUAL FISH DATA																													
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic		Roll #	Frame#	Comment														
								Str/Smpl#	Age		Str/Smpl#																		
6	EF	1	1	DV	139		U	U	FR	1		TP	1	37	2														
6	EF	1	1	DV	172		U	U	FR	2		TP	2	37	3														
6	EF	1	1	DV	212		U	U	FR	3		TP	3	37	4														
6	EF	1	1	CH	82		U	U			4																		
6	EF	1	1	CH	72		U	U																					
6	EF	1	1	CH	79		U	U																					
6	EF	1	1	CH	80		U	U																					
6	EF	1	1	CH	89		U	U																					
6	EF	1	1	CH	70		U	U																					
6	EF	1	1	CH	75		U	U																					
6	EF	1	1	CH	80		U	U						37	5														
6	EF	1	1	CH	73		U	U																					
6	EF	1	1	CH	68		U	U																					
6	EF	1	1	CH	72		U	U																					
COMMENTS																													
Section		Comments																											
WATERBODY		Shocking conducted around the perimeter of a mid-channel bar. The rest of the stream is too fast and deep to shock. All accessible area sampled																											

Upstream photo of watershed code 900-406900-16700, Reach 1, Site 6. Photo archived on CD 4865, Image #49.



Downstream photo of watershed code 900-406900-16700, Reach 1, Site 6. Photo archived on CD 4865, Image #48.



FDIS Site Card

Watershed Code: 900-406900-16700-00000-0000-0000-000-000-000-000-000

Reach # 13.0 ILP Map # ILP # Site 7

PROJECT																																																																														
Project Name: Mainland Coast 1:50000 Overview - 2000										Project Code: 4500																																																																				
Stream Name (gaz.): HOMATHKO RIVER																																																																														
Project Watershed Code: 900-406900-00000-00000-0000-0000-000-000-000-000-000-000																																																																														
WATERSHED																																																																														
Gazetted Name: BREW CREEK										Local Name:																																																																				
Watershed Code: 900-406900-16700-00000-0000-0000-000-000-000-000-000-000																																																																														
ILP Map#:		ILP #:		NID Map #: 92N/3			NID #: 42		Reach #: 13.0		Site #: 7																																																																			
Field UTM(Zone/East/North/Method)					GIS UTM(Zone/East/North)					Site Lg: 200		Method: GE		Access: H																																																																
10	353700	5658000	MAP	10	353569	5658142	Ref. Name:																																																																							
Date: 2000/09/17		Time: 12:00		Agency: C060			Crew: JB/FH		Fish Crd?: ☒		Incomplete: ☐																																																																			
CHANNEL																																																																														
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Mtd</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>Avg</th> </tr> </thead> <tbody> <tr> <td>Channel Width (m):</td> <td>GE</td> <td>100.00</td> <td>120.00</td> <td>150.00</td> <td>100.00</td> <td>150.00</td> <td>125.00</td> <td></td> <td></td> <td></td> <td></td> <td>124.17</td> </tr> <tr> <td>Wetted Width (m):</td> <td>GE</td> <td>40.00</td> <td>30.00</td> <td>35.00</td> <td>25.00</td> <td>30.00</td> <td>35.00</td> <td></td> <td></td> <td></td> <td></td> <td>32.50</td> </tr> <tr> <td>Pool Depth (m):</td> <td>MS</td> <td>0.30</td> <td>0.25</td> <td>0.40</td> <td>0.20</td> <td>0.25</td> <td>0.30</td> <td></td> <td></td> <td></td> <td></td> <td>0.28</td> </tr> </tbody> </table>													Mtd	width	width	width	width	width	width	width	width	width	width	Avg	Channel Width (m):	GE	100.00	120.00	150.00	100.00	150.00	125.00					124.17	Wetted Width (m):	GE	40.00	30.00	35.00	25.00	30.00	35.00					32.50	Pool Depth (m):	MS	0.30	0.25	0.40	0.20	0.25	0.30					0.28	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Gadient %</th> <th>Mtd</th> <th>Avg</th> </tr> </thead> <tbody> <tr> <td>Method I:</td> <td>4.0</td> <td>3.0</td> <td>C</td> </tr> <tr> <td>Method II:</td> <td>3.0</td> <td></td> <td>C</td> </tr> </tbody> </table>				Gadient %	Mtd	Avg	Method I:	4.0	3.0	C	Method II:	3.0		C
	Mtd	width	width	width	width	width	width	width	width	width	width	Avg																																																																		
Channel Width (m):	GE	100.00	120.00	150.00	100.00	150.00	125.00					124.17																																																																		
Wetted Width (m):	GE	40.00	30.00	35.00	25.00	30.00	35.00					32.50																																																																		
Pool Depth (m):	MS	0.30	0.25	0.40	0.20	0.25	0.30					0.28																																																																		
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Method I:	4.0	3.0	C																																																																											
Method II:	3.0		C																																																																											
Wb Depth:		1.5	1.8	1.5	Avg: 1.60		Method: MS		Stage: L ☐ M ☒ H ☐		No Vis.Ch.: ☐ Intermittent: ☐ Dw: ☐ Tribs.: ☐																																																																			
COVER																																																																														
Total: M																																																																														
Type:	SWD	LWD	B	U	DP	OV	IV	CROWN CLOSURE																																																																						
Amount:	S	D	T	N	T	T	N	1 1-20%																																																																						
Loc: P/S/O:	☒	☒	☒	☒	☒	☒	☒	INSTREAM VEG: N ☒ A ☐ M ☐ V ☐																																																																						
LWD: F DIST: C LB SHP: V Texture: ☒ F ☐ G ☒ C ☐ B ☐ R ☐ A RIP: M STG: YF																																																																														
RB SHP: S Texture: ☒ F ☐ G ☒ C ☐ B ☐ R ☐ A RIP: M STG: YF																																																																														
WATER																																																																														
EMS:					Req #:					Method: S4																																																																				
Temp: 4					Method: T3					Cond.:																																																																				
pH: 6.0					Method: P4					Turb.: ☒ T ☐ M ☐ L ☐ C																																																																				
Flood Signs:					Method:					Method: GE																																																																				
MORPHOLOGY																																																																														
Bed Material: Dominant: C					Subdom: F					O1 B1 B2 B3 D1 D2 D3																																																																				
D95: 50.0 D (cm): 50.00					Morph: RP					<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </table>					☐	☐	☐	☐	☐	☐	☐																																																									
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Pattern: IR					DISTURBANCE INDICATORS					C1 C2 C3 C4 C5 S1 S2 S3 S4 S5																																																																				
Islands: I										<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </table>					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																																					
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																																																				
Coupling: CO																																																																														
Confinement: OC																																																																														
FSZ ☐										Bars: ☐ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☒ BR																																																																				
HABITAT QUALITY																																																																														
Name					Comments																																																																									
Other					Access may be restricted by the series of cascades further downstream.																																																																									
Rearing Habitat					Moderate rearing habitat, some good cover in the form of boulders and SWD/LWD but little else.																																																																									
Spawning Habitat					Fair spawning habitat, although there are a lot of gravels present, the extremely silty water would most likely suffocate any fish eggs.																																																																									
PHOTOS																																																																														
Photo					Foc Lg					Dir																																																																				
R: 20 F: 18					STD					U																																																																				
R: 20 F: 19					STD					D																																																																				
COMMENTS																																																																														
Section					Comments																																																																									

FDIS Site Card

		Reach #	ILP Map #	ILP #	Site
Watershed Code: 900-406900-16700-00000-0000-0000-000-000-000-000-000		13.0			7
WATER	conductivity <10ms				

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 900-406900-16700-00000-00000-0000-000-000-000-000-000

13.0

WATERBODY													
Gazetted Name: BREW CREEK										Local:			
Project Code: 900-406900-00000-00000-00000-0000-000-000-000-000-0													
WS Code: 900-406900-16700-00000-00000-0000-000-000-000-000-000													
Waterbody ID:				ILP Map #:				ILP #:		Reach #: 13 -			
Project ID: 4500								Lake/Stream: S		Lake From Date:			
Fish Permit #: FC2000-70				Date: 2000/09/17		To: 2000/09/17		Agency: C060		Crew: JB/FH		Resample: ☐	
SITE / METHOD													
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO		Temp	Cond	Turbid	Comment		
7	92N/3	42	10	353700	5658000	MAP	EF	1	7	T	conductivity <10ms		
A. GEAR SETTINGS													
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment						
7	EF	1	2000/09/17	12:00	2000/09/17	12:45							
C. ELECTROFISHER SPECIFICATIONS													
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model		
7	EF	1	O	727	200.0	3.0	1000	70	6	SMITH-ROOT	12B-POW		
FISH SUMMARY													
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment				
7	EF	1	NFC			0							
COMMENTS													
Section			Comments										
WATERBODY			no fish caught										

Upstream photo of watershed code 900-406900-16700, Reach 13, Site 7. Photo archived on CD 4865, Image #113.



Downstream photo of watershed code 900-406900-16700, Reach 13, Site 7. Photo archived on CD 4865, Image #114.



FDIS Site Card

Watershed Code: 900-406900-22700-00000-0000-0000-000-000-000-000-000

Reach #

ILP Map #

ILP #

Site

1.0

8

COMMENTS	
Section	Comments
SITE CARD	Replacement site for 900-406900-16700-80000, reach 2.
CHANNEL	Channel flows into a slow-moving side channel of the Homathko River

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 900-406900-22700-00000-00000-0000-000-000-000-000-000

1.0

WATERBODY																
Gazetted Name:										Local:						
Project Code: 900-406900-00000-00000-00000-0000-000-000-000-000-0																
WS Code: 900-406900-22700-00000-00000-0000-000-000-000-000-000																
Waterbody ID:					ILP Map #:					ILP #:		Reach #: 1 -				
Project ID: 4500					Lake/Stream: S					Lake From Date:						
Fish Permit #: FC2000-70					Date: 2000/09/17			To: 2000/09/17		Agency: C060		Crew: JB/FH		Resample: ☐		
SITE / METHOD																
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment						
8	92N/3	43	10	355750	5670450	MAP	EF	1	13	30	C					
A. GEAR SETTINGS																
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment									
8	EF	1	1	2000/09/17	14:30	2000/09/17	14:45									
C. ELECTROFISHER SPECIFICATIONS																
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Width	Voltage	Frequency	Pulse	Make	Model					
8	EF	1	1	O	246	100.0	2.0	600	60	6	SMITH-ROOT	12B-POW				
FISH SUMMARY																
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment						
8	EF	1	1	CH	J	1	78	78	R							
8	EF	1	1	DV	J	2	63	95	R							
8	EF	1	1	TR	J	1	54	54	R							
8	EF	1	1	CO	J	20	40	64	R							
INDIVIDUAL FISH DATA																
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment
								Str/Smpl#	Age			Str/Smpl#				
8	EF	1	1	CO	60	2.5	U	U								
8	EF	1	1	CO	54	1.6	U	U								
8	EF	1	1	CO	64	3.6	U	U								
8	EF	1	1	CO	53	1.7	U	U								
8	EF	1	1	CO	64	2.8	U	U								
8	EF	1	1	CO	45	.9	U	U								
8	EF	1	1	DV	95	10.5	U	U								
8	EF	1	1	CO	51	1.4	U	U								
8	EF	1	1	CO	40	.6	U	U								
8	EF	1	1	TR	54	1.4	U	U								
8	EF	1	1	CO	48	.9	U	U								
8	EF	1	1	CO	45	.8	U	U								
8	EF	1	1	CO	42	.6	U	U								
8	EF	1	1	CO	62	1.9	U	U								
8	EF	1	1	CO	62	2.6	U	U								
8	EF	1	1	CO	42	.4	U	U								
8	EF	1	1	CO	54	1.5	U	U								
8	EF	1	1	CH	78	3.8	U	U								
8	EF	1	1	DV	63	2.1	U	U								
8	EF	1	1	CO	56	1.7	U	U								
8	EF	1	1	CO	41	.5	U	U								
8	EF	1	1	CO	40	.6	U	U								
8	EF	1	1	CO	56	1.6	U	U								
8	EF	1	1	CO	43	.8	U	U								
COMMENTS																
Section				Comments												
WATERBODY				stopped survey so as not to harm abundant fry in water. Hundreds of fry observed in stream.												

Upstream photo of watershed code 900-406900-22700, Reach 1, Site 8. Photo archived on CD 4865, Image #116.



Downstream photo of watershed code 900-406900-22700, Reach 1, Site 8. Photo archived on CD 4865, Image #115.



FDIS Site Card

Watershed Code: 900-406900-21700-00000-0000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP # 4500 Site 9

PROJECT			
Project Name: Mainland Coast 1:50000 Overview - 2000		Project Code: 4500	
Stream Name (gaz.): HOMATHKO RIVER			
Project Watershed Code: 900-406900-00000-00000-0000-000-000-000-000-000-000			

WATERSHED			
Gazetted Name: WHITEMANTLE CREEK		Local Name:	
Watershed Code: 900-406900-21700-00000-0000-0000-000-000-000-000-000			
ILP Map#:	ILP #:	NID Map #: 92N/3	NID #: 44
Field UTM(Zone/East/North/Method)		GIS UTM(Zone/East/North)	
10	355765	5668404	GPU
10	355054	5667904	
Date: 2000/09/17		Time: 10:50	
Agency: C060		Crew: DM/SP	
Site Lg: 50		Method: HC	
Ref. Name:		Access: H	
Fish Crd?: ☒		Incomplete: ☐	

CHANNEL												
	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	GE	42.00	53.00	58.00	47.00	37.00	28.00					44.17
Wetted Width (m):	GE	40.00	50.00	55.00	45.00	35.00	25.00					41.67
Pool Depth (m):												0.00
Wb Depth:		1.1	1.3	1.4	Avg: 1.27		Method: MS		Stage: L ☐ M ☒ H ☐			

COVER							
Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	N	N	D	T	T	S	N
Loc: P/S/O:	☒	☒	☒	☒	☒	☒	☒
LWD: N		DIST: NA					
LB SHP: V		RB SHP: V					
Texture: ☐ F ☐ G ☒ C ☐ B ☐ R ☐ A		Texture: ☐ F ☐ G ☒ C ☐ B ☐ R ☐ A					
RIP: M		RIP: M					
STG: MF		STG: MF					

WATER			
EMS:	Req #:		
Temp: 6	Cond.:	Method: S4	
pH: 6.4	Method: T3	Method: GE	
Flood Signs:	Method: P4	Turb.: ☒ T ☐ M ☐ L ☐ C	

MORPHOLOGY															
Bed Material:	Dominant: C	Subdom: B	O1	B1	B2	B3	D1	D2	D3						
D95: 44.0	D (cm): 44.00	Morph: RP	☐	☐	☐	☐	☐	☐	☐						
Pattern: SI	DISTURBANCE INDICATORS		C1	C2	C3	C4	C5	S1	S2	S3	S4	S5			
Islands: N			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐			
Coupling: DC															
Confinement: UN															
FSZ ☐			Bars: ☐ N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR												

HABITAT QUALITY	
Name	Comments
Other	Habitat evaluation is quite subjective due to lack of access to stream as well as turbidity.
Spawning Habitat	Spawning quality unknown due to turbidity and stream depth (lack of access)
Cover	Banks provide a variety of cover
Rearing Habitat	Fair rearing for species preferring fast waters. Some areas of moderate flow along banks.

PHOTOS			
Photo	Foc Lg	Dir	Comments
R: 23 F: 21	STD	U	
R: 23 F: 22	STD	D	

FDIS Site Card

Watershed Code: 900-406900-21700-00000-00000-0000-000-000-000-000-000

Reach #

ILP Map #

ILP #

Site

1.0

9

COMMENTS	
Section	Comments
WATER	conductivity <10ms
CHANNEL	Stream too fast and deep to allow pool depth measurements
SITE CARD	Only area where sampling was safe was the bar at the confluence with Homathko. Flew stream up to the beginning of the canyon, observed deep fast flows from bank to bank. Too dangerous to sample.

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 900-406900-21700-00000-00000-00000-00000-00000-000

1.0

WATERBODY																
Gazetted Name: WHITEMANTLE CREEK										Local:						
Project Code: 900-406900-00000-00000-00000-00000-00000-00000-0																
WS Code: 900-406900-21700-00000-00000-00000-00000-00000-000																
Waterbody ID:					ILP Map #:					ILP #:						
Project ID: 4500					Lake/Stream: S					Reach #: 1 -						
Lake From Date:																
Fish Permit #: FC2000-70					Date: 2000/09/17			To: 2000/09/17			Agency: C060		Crew: DM/SP		Resample: ☐	
SITE / METHOD																
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment						
9	92N/3	44	10	355765	5668404	GPU	EF	1	6		T	conductivity <10ms				
A. GEAR SETTINGS																
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment									
9	EF	1	1	2000/09/17	10:55	2000/09/17	11:10									
C. ELECTROFISHER SPECIFICATIONS																
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Width	Voltage	Frequency	Pulse	Make	Model					
9	EF	1	1	O	437	108.0	1.5	800	90	6	SMITH-ROOT	12B-POW				
FISH SUMMARY																
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment							
9	EF	1	1	CO	J		1	63	63	R						
9	EF	1	1	CC	A		3	98	120	R						
9	EF	1	1	CH	J		2	47	62	R						
INDIVIDUAL FISH DATA																
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic	Roll #	Frame#	Comment		
								Str/Smpl#	Age		Str/Smpl#					
9	EF	1	1	CO	63		U	U			1					
9	EF	1	1	CH	62		U	U			2					
9	EF	1	1	CH	47		U	U								
9	EF	1	1	CC	112		U	U								
9	EF	1	1	CC	120		U	U								
9	EF	1	1	CC	98		U	U								
COMMENTS																
Section		Comments														
WATERBODY		Shocked up and down bar, as well as a bank section (left) of the main river.														
WATERBODY		Only area in reach where shocking was safe was at the bar at the confluence with Homathko														

Upstream photo of watershed code 900-406900-21700, Reach 1, Site 9. Photo archived on CD 4865, Image #46.



Downstream photo of watershed code 900-406900-21700, Reach 1, Site 9. Photo archived on CD 4865, Image #47.



FDIS Site Card

Watershed Code: 900-406900-00000-00000-0000-000-000-000-000-000-000

Reach # 135.0 ILP Map # ILP # 10 Site 10

PROJECT																																																																														
Project Name: Mainland Coast 1:50000 Overview - 2000										Project Code: 4500																																																																				
Stream Name (gaz.): HOMATHKO RIVER																																																																														
Project Watershed Code: 900-406900-00000-00000-0000-000-000-000-000-000-000																																																																														
WATERSHED																																																																														
Gazetted Name: HOMATHKO RIVER										Local Name:																																																																				
Watershed Code: 900-406900-00000-00000-0000-000-000-000-000-000-000																																																																														
ILP Map#:		ILP #:		NID Map #: 92N/3			NID #: 45		Reach #: 135.0		Site #: 10																																																																			
Field UTM(Zone/East/North/Method)				GIS UTM(Zone/East/North)				Site Lg: 110		Method: HC		Access: H																																																																		
10	356572	5670643	GPU	10	356583	5670696	Ref. Name:																																																																							
Date: 2000/09/17		Time: 14:30		Agency: C060			Crew: DM/SP		Fish Crd?: ☒		Incomplete: ☐																																																																			
CHANNEL																																																																														
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Mtd</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>Avg</th> </tr> </thead> <tbody> <tr> <td>Channel Width (m):</td> <td>AE</td> <td>250.00</td> <td>200.00</td> <td>360.00</td> <td>350.00</td> <td>300.00</td> <td>250.00</td> <td></td> <td></td> <td></td> <td></td> <td>285.00</td> </tr> <tr> <td>Wetted Width (m):</td> <td>AE</td> <td>160.00</td> <td>150.00</td> <td>140.00</td> <td>180.00</td> <td>210.00</td> <td>140.00</td> <td></td> <td></td> <td></td> <td></td> <td>163.33</td> </tr> <tr> <td>Pool Depth (m):</td> <td>MS</td> <td>0.20</td> <td>0.25</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.23</td> </tr> </tbody> </table>													Mtd	width	width	width	width	width	width	width	width	width	width	Avg	Channel Width (m):	AE	250.00	200.00	360.00	350.00	300.00	250.00					285.00	Wetted Width (m):	AE	160.00	150.00	140.00	180.00	210.00	140.00					163.33	Pool Depth (m):	MS	0.20	0.25									0.23	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Gadient %</th> <th>Mtd</th> <th>Avg</th> </tr> </thead> <tbody> <tr> <td>Method I:</td> <td>3.0</td> <td>C</td> <td>3.00</td> </tr> <tr> <td>Method II:</td> <td></td> <td>C</td> <td></td> </tr> </tbody> </table>				Gadient %	Mtd	Avg	Method I:	3.0	C	3.00	Method II:		C	
	Mtd	width	width	width	width	width	width	width	width	width	width	Avg																																																																		
Channel Width (m):	AE	250.00	200.00	360.00	350.00	300.00	250.00					285.00																																																																		
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Pool Depth (m):	MS	0.20	0.25									0.23																																																																		
	Gadient %	Mtd	Avg																																																																											
Method I:	3.0	C	3.00																																																																											
Method II:		C																																																																												
Wb Depth:		1.5	1.8	1.6	Avg: 1.63		Method: MS		Stage: L ☒ M ☐ H ☐		No Vis.Ch.: ☐ Intermittent: ☐ Dw: ☐ Tribs.: ☐																																																																			
COVER Total: M																																																																														
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LWD: F DIST: E LB SHP: S Texture: ☒ F ☐ G ☒ C ☐ B ☐ R ☐ A RIP: M STG: MF																																																																														
RB SHP: S Texture: ☒ F ☐ G ☒ C ☐ B ☐ R ☐ A RIP: M STG: MF																																																																														
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EMS:					Req #:																																																																									
Temp: 7					Method: T3					Cond.: 20																																																																				
pH: 6.8					Method: P4					Method: S4																																																																				
Flood Signs:					Method:					Turb.: ☒ T ☐ M ☐ L ☐ C Method: GE																																																																				
MORPHOLOGY																																																																														
Bed Material: Dominant: C					Subdom: F					O1 B1 B2 B3 D1 D2 D3																																																																				
D95: 38.0 D (cm): 38.00					Morph: RP					<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </table>					☐	☐	☐	☐	☐	☐	☐																																																									
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HABITAT QUALITY																																																																														
Name					Comments																																																																									
Spawning Habitat					Some gravel observed. Mostly about 0.5m^2 areas, interspersed with fines (although gravel is still loose). Average diameter ranged from between 3 and 6 cm.																																																																									
Cover					Turbid water provides cover throughout the site.																																																																									
Rearing Habitat					Good rearing. Variety of flows and cover types created by secondary channels.																																																																									
PHOTOS																																																																														
Photo			Foc Lg		Dir		Comments																																																																							
R:	37	F:	11	STD		U																																																																								
R:	37	F:	12	STD		D																																																																								
R:	37	F:	13	STD		U		from helicopter																																																																						

FDIS Site Card

Watershed Code: 900-406900-00000-00000-0000-0000-000-000-000-000-000-000

Reach # 135.0 ILP Map # ILP # Site 10

PHOTOS				
Photo		Foc Lg	Dir	Comments
R:	37	F:	6	STD X photo of sow grizzly and two cubs
WILDLIFE				
Group		Observations		
MAM		sow grizzly and two cubs observed on gravel bar		
COMMENTS				
Section		Comments		
SITE CARD		Replacement site for 900-406900-21700, reach 11.		

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 900-406900-00000-00000-0000-0000-000-000-000-000-000

135.0

WATERBODY															
Gazetted Name: HOMATHKO RIVER										Local:					
Project Code: 900-406900-00000-00000-0000-0000-000-000-000-000-0															
WS Code: 900-406900-00000-00000-0000-0000-000-000-000-000-000															
Waterbody ID:				ILP Map #:				ILP #:		Reach #: 135 -					
Project ID: 4500				Lake/Stream: S				Lake From Date:							
Fish Permit #: FC2000-70		Date: 2000/09/17		To: 2000/09/17		Agency: C060		Crew: DM/SP		Resample: ☐					
SITE / METHOD															
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment					
10	92N/3	44	10	356572	5670643	GPU	EF	1	7	20	T				
A GEAR SETTINGS															
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment								
10	EF	1	2000/09/17	14:10	2000/09/17	15:10									
C ELECTROFISHER SPECIFICATIONS															
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Width	Voltage	Frequency	Pulse	Make	Model				
10	EF	1	1	O	450	215.0	1.0	700	90	6	SMITH-ROOT				
FISH SUMMARY															
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment					
10	EF	1	1	LSU	A	1	245	245	R						
10	EF	1	1	DV	A	2	131	480	R	char					
10	EF	1	1	DV	J	1	97	97	R						
10	EF	1	1	CH	J	17	57	95	R						
10	EF	1	1	CC	J	1	105	105	R						
INDIVIDUAL FISH DATA															
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic		Roll #	Frame#	Comment
								Str/Smpl#	Age		Str/Smpl#				
10	EF	1	1	CH	80		U	U							
10	EF	1	1	CH	85		U	U							
10	EF	1	1	CH	76		U	U							
10	EF	1	1	CH	90		U	U							
10	EF	1	1	DV	97		U	U							
10	EF	1	1	CH	57		U	U							
10	EF	1	1	CH	73		U	U							
10	EF	1	1	CH	68		U	U							
10	EF	1	1	CH	93		U	U							
10	EF	1	1	CH	84		U	U							
10	EF	1	1	CH	68		U	U							
10	EF	1	1	CH	95		U	U							
10	EF	1	1	CH	72		U	U							
10	EF	1	1	CH	93		U	U							
10	EF	1	1	CH	82		U	U							
10	EF	1	1	CH	69		U	U							
10	EF	1	1	CH	58		U	U							
10	EF	1	1	CH	70		U	U							
10	EF	1	1	CC	105		U	U							
10	EF	1	1	LSU	245		U	U					37	7	
10	EF	1	1	DV	131		U	U	FR	1		TP	1	37	8
10	EF	1	1	DV	480		U	U	FR	2		TP	2	37	9

Possibly BT. also photo 10.

Upstream photo of watershed code 900-406900, Reach 135, Site 10. Photo archived on CD 2708, Image #96.



Downstream photo of watershed code 900-406900, Reach 135, Site 10. Photo archived on CD 2708, Image #97.



FDIS Site Card

Watershed Code: 900-406900-24900-00000-00000-00000-000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP # 11 Site 11

PROJECT																																						
Project Name: Mainland Coast 1:50000 Overview - 2000										Project Code: 4500																												
Stream Name (gaz.): HOMATHKO RIVER																																						
Project Watershed Code: 900-406900-00000-00000-00000-00000-000-000-000-000-000-000																																						
WATERSHED																																						
Gazetted Name: SCAR CREEK										Local Name:																												
Watershed Code: 900-406900-00000-00000-00000-00000-000-000-000-000-000-000																																						
ILP Map#:		ILP #:		NID Map #: 92N/3			NID #: 46		Reach #: 1.0		Site #: 11																											
Field UTM(Zone/East/North/Method)					GIS UTM(Zone/East/North)					Site Lg: 150		Method: GE		Access: H																								
10	358200	5672200	MAP	10	358164	5672433	Ref. Name:																															
Date: 2000/09/17		Time: 10:00		Agency: C060			Crew: JB/FH		Fish Crd?: ☒		Incomplete: ☐																											
CHANNEL																																						
										<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Gadient %</th> <th>Mtd</th> <th>Avg</th> </tr> </thead> <tbody> <tr> <td>Method I:</td> <td>1.0</td> <td>2.0</td> <td></td> <td>C</td> <td>2.00</td> </tr> <tr> <td>Method II:</td> <td>3.0</td> <td>2.0</td> <td></td> <td>C</td> <td></td> </tr> </tbody> </table>							Gadient %		Mtd	Avg	Method I:	1.0	2.0		C	2.00	Method II:	3.0	2.0		C							
		Gadient %		Mtd	Avg																																	
Method I:	1.0	2.0		C	2.00																																	
Method II:	3.0	2.0		C																																		
Channel Width (m):		GE	30.00	35.00	25.00	30.00	40.00	30.00						31.67																								
Wetted Width (m):		GE	12.00	15.00	15.00	17.00	12.00	15.00						14.33																								
Pool Depth (m):		MS	0.25	0.15	0.30	0.20	0.15	0.20						0.21																								
Wb Depth:		1.0	1.5	1.5	Avg: 1.33		Method: MS		Stage: L ☐ M ☒ H ☐																													
COVER <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Type:</th> <th>SWD</th> <th>LWD</th> <th>B</th> <th>U</th> <th>DP</th> <th>OV</th> <th>IV</th> </tr> </thead> <tbody> <tr> <td>Amount:</td> <td>S</td> <td>D</td> <td>T</td> <td>N</td> <td>T</td> <td>S</td> <td>N</td> </tr> <tr> <td>Loc: P/S/O:</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> <td>☒</td> </tr> </tbody> </table> CROWN CLOSURE 1 1-20% INSTREAM VEG: N ☒ A ☐ M ☐ V ☐															Type:	SWD	LWD	B	U	DP	OV	IV	Amount:	S	D	T	N	T	S	N	Loc: P/S/O:	☒	☒	☒	☒	☒	☒	☒
Type:	SWD	LWD	B	U	DP	OV	IV																															
Amount:	S	D	T	N	T	S	N																															
Loc: P/S/O:	☒	☒	☒	☒	☒	☒	☒																															
LWD: F LB SHP: S Texture: ☐ F ☒ G ☒ C ☐ B ☐ R ☐ A RIP: M STG: YF DIST: C RB SHP: S Texture: ☐ F ☒ G ☒ C ☐ B ☐ R ☐ A RIP: M STG: YF																																						
WATER																																						
EMS:					Req #:																																	
Temp: 6					Method: T3					Cond.: 30																												
pH: 6.5					Method: P4					Turb.: ☒ T ☐ M ☐ L ☐ C																												
Flood Signs:					Method:					Method: S4																												
										Method: GE																												
MORPHOLOGY																																						
Bed Material: Dominant: C					Subdom: B					O1 B1 B2 B3 D1 D2 D3																												
D95: 60.0 D (cm): 60.00					Morph: RP					<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </table>					☐	☐	☐	☐	☐	☐	☐	☐																
☐	☐	☐	☐	☐	☐	☐	☐																															
Pattern: SI					DISTURBANCE INDICATORS					C1 C2 C3 C4 C5 S1 S2 S3 S4 S5																												
Islands: O										<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </table>					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐													
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Coupling: DC																																						
Confinement: UN										Bars: ☐ N ☒ SIDE ☐ DIAG ☒ MID ☐ SPAN ☐ BR																												
FSZ ☐																																						
HABITAT QUALITY																																						
Name					Comments																																	
Other					Good access from Homathko River and has low gradient.																																	
Rearing Habitat					Good rearing habitat, good cover from small and large woody debris and some boulder and overhanging veg.																																	
Spawning Habitat					Moderate spawning habitat, lots of gravels for fish to utilize when water is flowing slower.																																	
PHOTOS																																						
Photo		Foc Lg		Dir		Comments																																
R:	20	F:	16	STD		U																																
R:	20	F:	17	STD		D																																

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 900-406900-24900-00000-00000-0000-000-000-000-000-000

1.0

WATERBODY

Gazetted Name: SCAR CREEK Local: _____
 Project Code: 900-406900-00000-00000-00000-0000-000-000-000-000-0
 WS Code: 900-406900-24900-00000-00000-0000-000-000-000-000-000
 Waterbody ID: _____ ILP Map #: _____ ILP #: _____ Reach #: 1 -
 Project ID: 4500 Lake/Stream: S Lake From Date: _____

Fish Permit #: FC2000-70 Date: 2000/09/17 To: 2000/09/17 Agency: C060 Crew: JB/FH Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment
11	92N/3	46	10	358200	5672200	MAP	MT 2	6	30	T
11	92N/3	46	10	358200	5672200	MAP	MT 1	6	30	T
11	92N/3	46	10	358200	5672200	MAP	EF 1	6	30	T

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
11	MT 2	1	2000/09/17	10:00	2000/09/17	11:33	
11	MT 1	1	2000/09/17	10:00	2000/09/17	11:30	
11	EF 1	1	2000/09/17	10:00	2000/09/17	11:00	

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Width	Voltage	Frequency	Pulse	Make	Model
11	EF	1	1	O	605	150.0	2.0	800	70	5	SMITH-ROOT 12B-POW

FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
11	MT	2	1	NFC		0			
11	MT	1	1	NFC		0			
11	EF	1	1	CH	J	2	77 79	R	
11	EF	1	1	DV	J	12	50 79	R	

INDIVIDUAL FISH DATA

Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment
									Str	Smpl#	Age		Str	Smpl#			
11	EF	1	1	CH	79	6.1	U	U									
11	EF	1	1	DV	67	3.4	U	U									
11	EF	1	1	DV	67	2.9	U	U									
11	EF	1	1	DV	69	3.5	U	U									
11	EF	1	1	DV	69	3.3	U	U									
11	EF	1	1	DV	66	3.2	U	U									
11	EF	1	1	DV	79	4.1	U	U									
11	EF	1	1	DV	69	3.3	U	U									
11	EF	1	1	CH	77	5.8	U	U			1						
11	EF	1	1	DV	62	2.2	U	U									
11	EF	1	1	DV	65	2.8	U	U									
11	EF	1	1	DV	60	2.3	U	U									
11	EF	1	1	DV	53	1.4	U	U									
11	EF	1	1	DV	50	1.3	U	U									

COMMENTS

Section	Comments
WATERBODY	stream flow is extremely fast

Upstream photo of watershed code 900-406900-24900, Reach 1, Site 11. Photo archived on CD 4865, Image #111.



Downstream photo of watershed code 900-406900-24900, Reach 1, Site 11. Photo archived on CD 4865, Image #112.



FDIS Site Card

Watershed Code: 900-406900-10500-39600-0000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP # Site 12

PROJECT																																																																														
Project Name: Mainland Coast 1:50000 Overview - 2000										Project Code: 4500																																																																				
Stream Name (gaz.): HOMATHKO RIVER																																																																														
Project Watershed Code: 900-406900-00000-00000-0000-0000-000-000-000-000-000-000																																																																														
WATERSHED																																																																														
Gazetted Name:										Local Name:																																																																				
Watershed Code: 900-406900-10500-39600-0000-0000-000-000-000-000-000-000																																																																														
ILP Map#:		ILP #:		NID Map #: 92N/2		NID #: 47		Reach #: 1.0		Site #: 12																																																																				
Field UTM(Zone/East/North/Method)				GIS UTM(Zone/East/North)				Site Lg: 150		Method: GE		Access: V2																																																																		
10	366866	5658632	GPU	10	367052	5659060	Ref. Name:																																																																							
Date: 2000/09/18		Time: 07:30		Agency: C060		Crew: JB/FH		Fish Crd?: ☒		Incomplete: ☐																																																																				
CHANNEL																																																																														
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Mtd</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>Avg</th> </tr> </thead> <tbody> <tr> <td>Channel Width (m):</td> <td>MS</td> <td>3.00</td> <td>3.40</td> <td>3.10</td> <td>3.50</td> <td>4.00</td> <td>3.10</td> <td></td> <td></td> <td></td> <td></td> <td>3.35</td> </tr> <tr> <td>Wetted Width (m):</td> <td>MS</td> <td>1.90</td> <td>1.70</td> <td>1.50</td> <td>1.90</td> <td>2.00</td> <td>1.80</td> <td></td> <td></td> <td></td> <td></td> <td>1.80</td> </tr> <tr> <td>Pool Depth (m):</td> <td>MS</td> <td>0.30</td> <td>0.25</td> <td>0.20</td> <td>0.20</td> <td>0.15</td> <td>0.30</td> <td></td> <td></td> <td></td> <td></td> <td>0.23</td> </tr> </tbody> </table>													Mtd	width	width	width	width	width	width	width	width	width	width	Avg	Channel Width (m):	MS	3.00	3.40	3.10	3.50	4.00	3.10					3.35	Wetted Width (m):	MS	1.90	1.70	1.50	1.90	2.00	1.80					1.80	Pool Depth (m):	MS	0.30	0.25	0.20	0.20	0.15	0.30					0.23	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Gadient %</th> <th>Mtd</th> <th>Avg</th> </tr> </thead> <tbody> <tr> <td>Method I:</td> <td>12.0 15.0</td> <td>C</td> <td>13.33</td> </tr> <tr> <td>Method II:</td> <td>13.0</td> <td>C</td> <td></td> </tr> </tbody> </table>				Gadient %	Mtd	Avg	Method I:	12.0 15.0	C	13.33	Method II:	13.0	C	
	Mtd	width	width	width	width	width	width	width	width	width	width	Avg																																																																		
Channel Width (m):	MS	3.00	3.40	3.10	3.50	4.00	3.10					3.35																																																																		
Wetted Width (m):	MS	1.90	1.70	1.50	1.90	2.00	1.80					1.80																																																																		
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Method I:	12.0 15.0	C	13.33																																																																											
Method II:	13.0	C																																																																												
Wb Depth:		.7	.6	.8	Avg: 0.70		Method: MS		Stage: L ☐ M ☒ H ☐		No Vis.Ch.: ☐ Intermittent: ☐ Dw: ☐ Tribs.: ☐																																																																			
COVER Total: A																																																																														
Type:		SWD	LWD	B	U	DP	OV	IV	CROWN CLOSURE																																																																					
Amount:		S	D	T	T	S	T	N	2 21-40%																																																																					
Loc: P/S/O:		☒	☒	☒	☒	☒	☒	☒	INSTREAM VEG: N ☐ A ☐ M ☒ V ☐																																																																					
LWD: F DIST: E																																																																														
LB SHP: S RB SHP: S																																																																														
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RIP: M RIP: M																																																																														
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WATER																																																																														
EMS:					Req #:					Cond.: 10																																																																				
Temp: 9					Method: T3					Method: S4																																																																				
pH: 6.5					Method: P4					Turb.: ☐ T ☐ M ☐ L ☒ C Method: GE																																																																				
Flood Signs:					Method:																																																																									
MORPHOLOGY																																																																														
Bed Material:		Dominant: C		Subdom: G		O1 B1 B2 B3 D1 D2 D3																																																																								
D95: 45.0		D (cm): 20.00		Morph: SP		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> </table>									☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																																			
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FEATURES																																																																														
NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Zone/East/North/Method)																																																																					
92N/2	102	C	2.0	GE			R: 38 F: 3 L: #:		10	366760	5658806	GIS																																																																		
Comments: upstream at mouth of trib. Before it joins Heakamie River																																																																														
HABITAT QUALITY																																																																														
Name		Comments																																																																												
Other		Fairly high gradient and cascade at mouth may hinder fish migration upstream and usage of habitat.																																																																												
Rearing Habitat		see above																																																																												
Spawning Habitat		Good spawning and rearing habitat. Good substrate, flow and cover all around.																																																																												
PHOTOS																																																																														
Photo																																																																														

FDIS Site Card

Watershed Code: 900-406900-10500-39600-0000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP # Site 12

Flow				Flow Ly	Dir	Comments
R:	38	F:	1	STD	D	
R:	38	F:	2	STD	U	
R:	38	F:	3	STD	U	shows cascade
COMMENTS						
Section				Comments		
SITE CARD				Stream not broken out into reaches, but appears to be reach 1 from NTS map.		
SITE CARD				Replacement site for 900-406900-24900, reach 14.		

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 900-406900-10500-39600-0000-0000-000-000-000-000-000

1.0

WATERBODY													
Gazetted Name:										Local:			
Project Code: 900-406900-00000-00000-0000-000-000-000-000-000-0													
WS Code: 900-406900-10500-39600-0000-0000-000-000-000-000-000													
Waterbody ID:				ILP Map #:				ILP #:		Reach #: 1 -			
Project ID: 4500				Lake/Stream: S				Lake From Date:					
Fish Permit #: FC2000-70				Date: 2000/09/18		To: 2000/09/18		Agency: C060		Crew: JB/FH		Resample: ☐	
SITE / METHOD													
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO		Temp	Cond	Turbid	Comment		
12	92N/2	47	10	366866	5658632	GPU	EF	1	9	10	C		
A. GEAR SETTINGS													
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment						
12	EF	1	1	2000/09/18	07:30	2000/09/18	07:55						
C. ELECTROFISHER SPECIFICATIONS													
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model		
12	EF	1	1	O	462	150.0	2.0	900	80	6	SMITH-ROOT	12B-POW	
FISH SUMMARY													
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment				
12	EF	1	1	NFC		0							

**Upstream photo of watershed code 900-406900-10500-39600, Reach 1, Site 12.
Photo archived on CD 2988, Image #107.**



**Downstream photo of watershed code 900-406900-10500-39600, Reach 1, Site 12.
Photo archived on CD 2988, Image #106.**



FDIS Site Card

Watershed Code: 900-406900-28400-00000-00000-0000-000-000-000-000-000

Reach # ILP Map # ILP # Site
2.0 13

PROJECT																																																																														
Project Name: Mainland Coast 1:50000 Overview - 2000										Project Code: 4500																																																																				
Stream Name (gaz.): HOMATHKO RIVER																																																																														
Project Watershed Code: 900-406900-00000-00000-00000-0000-000-000-000-000-000																																																																														
WATERSHED																																																																														
Gazetted Name: COOLA CREEK										Local Name:																																																																				
Watershed Code: 900-406900-28400-00000-00000-00000-000-000-000-000-000																																																																														
ILP Map#:		ILP #:		NID Map #: 92N/2		NID #: 48		Reach #: 2.0		Site #: 13																																																																				
Field UTM(Zone/East/North/Method)					GIS UTM(Zone/East/North)					Site Lg: 105		Method: HC		Access: H																																																																
10	361008	5675328	GPU	10	360983	5675501	Ref. Name:																																																																							
Date: 2000/09/17		Time: 09:00		Agency: C060		Crew: DM/SP		Fish Crd?: ☒		Incomplete: ☐																																																																				
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	Mtd	width	width	width	width	width	width	width	width	width	width	Avg																																																																		
Channel Width (m):	GE	60.00	70.00	100.00	80.00	70.00	75.00					75.83																																																																		
Wetted Width (m):	GE	35.00	40.00	35.00	30.00	45.00	35.00					36.67																																																																		
Pool Depth (m):	MS	0.10	0.15	0.10	0.20	0.15						0.14																																																																		
	Gadient %	Mtd	Avg																																																																											
Method I:	11.0		C																																																																											
Method II:			C																																																																											
Wb Depth:		.8	1.4	.9	Avg: 1.03		Method: MS		Stage: L ☐ M ☒ H ☐		No Vis.Ch.: ☐ Intermittent: ☐ Dw: ☐ Tribs.: ☐																																																																			
COVER																																																																														
Total: T																																																																														
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Type:	SWD	LWD	B	U	DP	OV	IV																																																																							
Amount:	T	T	D	N	T	T	S																																																																							
Loc: P/S/O:	☒	☒	☒	☒	☒	☒	☒																																																																							
								1 1-20%																																																																						
								INSTREAM VEG: N ☐ A ☒ M ☐ V ☒																																																																						
LWD: F DIST: E LB SHP: S Texture: ☐ F ☐ G ☒ C ☒ B ☐ R ☐ A RIP: M STG: MF																																																																														
RB SHP: S Texture: ☐ F ☐ G ☒ C ☒ B ☐ R ☐ A RIP: M STG: MF																																																																														
WATER																																																																														
EMS:					Req #:																																																																									
Temp: 9					Method: T3					Cond.: 10																																																																				
pH: 6.4					Method: P4					Method: S4																																																																				
Flood Signs: ERODED BANKS 1.					Method: GE					Turb.: ☒ T ☐ M ☐ L ☐ C																																																																				
										Method: GE																																																																				
MORPHOLOGY																																																																														
Bed Material:					Dominant: C					Subdom: B																																																																				
D95: 72.0					D (cm): 45.00					Morph: CP																																																																				
Pattern: SI										O1 B1 B2 B3 D1 D2 D3																																																																				
Islands: AN										DISTURBANCE INDICATORS																																																																				
Coupling: DC										C1 C2 C3 C4 C5 S1 S2 S3 S4 S5																																																																				
Confinement: UN										☒																																																																				
FSZ ☐										Bars: ☐ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☒ BR																																																																				
HABITAT QUALITY																																																																														
Name					Comments																																																																									
Spawning Habitat					Fair spawning. Gravel accumulation at the base of the islands. However, these islands are in the process of being eroded away																																																																									
Rearing Habitat					Poor to fair rearing quality due to absence of cover and lack of low flow refuge habitat.																																																																									
PHOTOS																																																																														
Photo			Foc Lg		Dir		Comments																																																																							
R:	23	F:	19	STD		D																																																																								
R:	23	F:	20	STD		U																																																																								
COMMENTS																																																																														
Section					Comments																																																																									

FDIS Site Card

Watershed Code: 900-406900-28400-00000-0000-0000-000-000-000-000-000

Reach #

ILP Map #

ILP #

Site

2.0

13

COMMENTS	
Section	Comments
CHANNEL	This reach is experiencing major erosion. Multiple islands have recently been created from the old floodplain. Possibility of major stream flow alteration upstream.
SITE CARD	Site moved to reach 2 to provide better electrofishing conditions

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 900-406900-28400-00000-00000-0000-000-000-000-000-000

2.0

WATERBODY													
Gazetted Name: COOLA CREEK										Local:			
Project Code: 900-406900-00000-00000-00000-000-000-000-000-000-0													
WS Code: 900-406900-28400-00000-00000-0000-000-000-000-000-000													
Waterbody ID:				ILP Map #:				ILP #:		Reach #: 2 -			
Project ID: 4500				Lake/Stream: S				Lake From Date:					
Fish Permit #: FC2000-70			Date: 2000/09/17			To: 2000/09/17			Agency: C060		Crew: DM/SP		Resample: ☐
SITE / METHOD													
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO		Temp	Cond	Turbid	Comment		
13	92N/2	48	10	361008	5675328	GPU	MT	2	9	10	T		
13	92N/2	48	10	361008	5675328	GPU	MT	1	9	10	T		
13	92N/2	48	10	361008	5675328	GPU	EF	1	9	10	T		
A. GEAR SETTINGS													
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment						
13	MT	2	1	2000/09/17	09:00	2000/09/17	10:50						
13	MT	1	1	2000/09/17	09:00	2000/09/17	10:50						
13	EF	1	1	2000/09/17	09:10	2000/09/17	10:20						
C. ELECTROFISHER SPECIFICATIONS													
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Width	Voltage	Frequency	Pulse	Make	Model		
13	EF	1	1	O	564	205.0	0.5	700	90	6	SMITH-ROOT	12B-POW	
FISH SUMMARY													
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment				
13	MT	2	1	NFC		0							
13	MT	1	1	NFC		0							
13	EF	1	1	NFC		0							
COMMENTS													
Section		Comments											
WATERBODY		Shocked two secondary channels and the edge of the mainstem											
WATERBODY		Two fry observed but not captured due to conditions. Both approx. 40mm in length.											
WATERBODY		Adverse shocking conditions. High velocity and very turbid.											

Upstream photo of watershed code 900-406900-28400, Reach 2, Site 13. Photo archived on CD 4865, Image #45.



Downstream photo of watershed code 900-406900-28400, Reach 2, Site 13. Photo archived on CD 4865, Image #44.



FDIS Site Card

Watershed Code: 900-406900-30300-00000-00000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP # Site 14

PROJECT																																																																														
Project Name: Mainland Coast 1:50000 Overview - 2000										Project Code: 4500																																																																				
Stream Name (gaz.): HOMATHKO RIVER																																																																														
Project Watershed Code: 900-406900-00000-00000-00000-0000-000-000-000-000-000																																																																														
WATERSHED																																																																														
Gazetted Name:										Local Name:																																																																				
Watershed Code: 900-406900-30300-00000-00000-00000-0000-000-000-000-000																																																																														
ILP Map#:		ILP #:		NID Map #: 92N/2		NID #: 49		Reach #: 1.0		Site #: 14																																																																				
Field UTM(Zone/East/North/Method)					GIS UTM(Zone/East/North)					Site Lg: 150		Method: GE		Access: H																																																																
10	362000	5678300	MAP	10	361968	5678286	Ref. Name:																																																																							
Date: 2000/09/17		Time: 08:00		Agency: C060		Crew: JB/FH		Fish Crd?: ☒		Incomplete: ☐																																																																				
CHANNEL																																																																														
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Mtd</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>width</th> <th>Avg</th> </tr> </thead> <tbody> <tr> <td>Channel Width (m):</td> <td>GE</td> <td>20.00</td> <td>15.00</td> <td>20.00</td> <td>18.00</td> <td>22.00</td> <td>18.00</td> <td></td> <td></td> <td></td> <td></td> <td>18.83</td> </tr> <tr> <td>Wetted Width (m):</td> <td>GE</td> <td>10.00</td> <td>10.00</td> <td>12.00</td> <td>15.00</td> <td>12.00</td> <td>10.00</td> <td></td> <td></td> <td></td> <td></td> <td>11.50</td> </tr> <tr> <td>Pool Depth (m):</td> <td>GE</td> <td>0.20</td> <td>0.25</td> <td>0.30</td> <td>0.25</td> <td>0.40</td> <td>0.40</td> <td></td> <td></td> <td></td> <td></td> <td>0.30</td> </tr> </tbody> </table>													Mtd	width	width	width	width	width	width	width	width	width	width	Avg	Channel Width (m):	GE	20.00	15.00	20.00	18.00	22.00	18.00					18.83	Wetted Width (m):	GE	10.00	10.00	12.00	15.00	12.00	10.00					11.50	Pool Depth (m):	GE	0.20	0.25	0.30	0.25	0.40	0.40					0.30	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Gadient %</th> <th>Mtd</th> <th>Avg</th> </tr> </thead> <tbody> <tr> <td>Method I:</td> <td>3.0</td> <td>4.0</td> <td>C</td> </tr> <tr> <td>Method II:</td> <td>4.0</td> <td>5.0</td> <td>C</td> </tr> </tbody> </table>				Gadient %	Mtd	Avg	Method I:	3.0	4.0	C	Method II:	4.0	5.0	C
	Mtd	width	width	width	width	width	width	width	width	width	width	Avg																																																																		
Channel Width (m):	GE	20.00	15.00	20.00	18.00	22.00	18.00					18.83																																																																		
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Method I:	3.0	4.0	C																																																																											
Method II:	4.0	5.0	C																																																																											
Wb Depth:		1.0	1.2	1.3	Avg: 1.17		Method: MS		Stage: L ☐ M ☒ H ☐		No Vis.Ch.: ☐ Intermittent: ☐ Dw: ☐ Tribs.: ☐																																																																			
COVER Total: M																																																																														
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Amount:	T	S	D	N	T	T	N																																																																							
Loc: P/S/O:	☒	☒	☒	☒	☒	☒	☒																																																																							
								1 1-20%																																																																						
								INSTREAM VEG: N ☒ A ☐ M ☐ V ☐																																																																						
LWD: F DIST: C LB SHP: S Texture: ☐ F ☐ G ☒ C ☒ B ☐ R ☐ A RIP: M STG: YF																																																																														
RB SHP: S Texture: ☐ F ☐ G ☒ C ☒ B ☐ R ☐ A RIP: M STG: YF																																																																														
WATER																																																																														
EMS:					Req #:																																																																									
Temp: 8					Method: T3					Cond.: 10																																																																				
pH: 6.5					Method: P4					Method: S4																																																																				
Flood Signs: RAFTED DEBRIS					Method: GE					Turb.: ☒ T ☐ M ☐ L ☐ C Method: GE																																																																				
MORPHOLOGY																																																																														
Bed Material: Dominant: B					Subdom: C					O1 B1 B2 B3 D1 D2 D3																																																																				
D95: 110.0 D (cm): 40.00					Morph: CPB					<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </table>					☐	☐	☐	☐	☐	☐	☐	☐																																																								
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Pattern: S1					DISTURBANCE INDICATORS					C1 C2 C3 C4 C5 S1 S2 S3 S4 S5																																																																				
Islands: O										<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </table>					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																																				
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																																																			
Coupling: DC																																																																														
Confinement: UN																																																																														
FSZ ☐										Bars: ☐ N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR																																																																				
HABITAT QUALITY																																																																														
Name					Comments																																																																									
Other					Access is good from Homathko River and gradient is fairly low.																																																																									
Rearing Habitat					Fair rearing habitat, some cover from boulders and LWD but velocity is very fast.																																																																									
Spawning Habitat					Fair spawning habitat, stream velocity very fast, and the majority of substrate is cobble/boulder, but there are some areas of gravel bed material.																																																																									
PHOTOS																																																																														
Photo		Foc Lg		Dir		Comments																																																																								
R:	20	F:	14	STD		D																																																																								
R:	20	F:	15	STD		U																																																																								

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 900-406900-30300-00000-00000-00000-00000-00000-000

1.0

WATERBODY																			
Gazetted Name:										Local:									
Project Code: 900-406900-00000-00000-00000-00000-00000-00000-0																			
WS Code: 900-406900-30300-00000-00000-00000-00000-00000-000																			
Waterbody ID:					ILP Map #:					ILP #:									
Project ID: 4500					Lake/Stream: S					Reach #: 1 -									
Lake From Date:																			
Fish Permit #: FC2000-70					Date: 2000/09/17					To: 2000/09/17					Agency: C060				
Crew: JB/FH					Resample: ☐														
SITE / METHOD																			
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment									
14	92N/2	49	10	362000	5678300	MAP	MT	2	8	10	T								
14	92N/2	49	10	362000	5678300	MAP	MT	1	8	10	T								
14	92N/2	49	10	362000	5678300	MAP	EF	1	8	10	T								
A. GEAR SETTINGS																			
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment												
14	MT	2	1	2000/09/17	08:00	2000/09/17	09:30												
14	MT	1	1	2000/09/17	08:00	2000/09/17	09:30												
14	EF	1	1	2000/09/17	08:00	2000/09/17	08:30												
C. ELECTROFISHER SPECIFICATIONS																			
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Wdth	Voltage	Frequency	Pulse	Make	Model								
14	EF	1	1	O	441	150.0	2.0	900	70	5	SMITH-ROOT	12B-POW							
FISH SUMMARY																			
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment										
14	MT	2	1	NFC		0													
14	MT	1	1	NFC		0													
14	EF	1	1	CO	J	1	50	50	R										
14	EF	1	1	TR	J	1	44	44	R										
14	EF	1	1	DV	J	4	60	133	R										
INDIVIDUAL FISH DATA																			
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age		Vch#	Genetic		Roll #	Frame#	Comment				
								Str/Smpl#	Age		Str/Smpl#								
14	EF	1	1	DV	133	22.9	U	U	FR	1		TP	1	20	11				
14	EF	1	1	DV	130	24.5	U	U	FR	2		TP	2	20	12				
14	EF	1	1	DV	110	16.1	U	U	FR	3		TP	3	20	13				
14	EF	1	1	DV	60	2.1	U	U			1								
14	EF	1	1	TR	44	1.0	U	U											
14	EF	1	1	CO	50	1.3	U	U											
COMMENTS																			
Section		Comments																	
WATERBODY		Extremely hard to electrofish due to extremely high stream velocity and turbid water.																	

Upstream photo of watershed code 900-406900-30300, Reach 1, Site 14. Photo archived on CD 4865, Image #110.



Downstream photo of watershed code 900-406900-30300, Reach 1, Site 14. Photo archived on CD 4865, Image #109.



FDIS Site Card

Watershed Code: 900-406900-31500-00000-0000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP # Site 15

PHOTOS				
Photo		Foc Lg	Dir	Comments
R:	23	F: 18	STD	U
Photo of channel looking upstream from confluence with Homathko.				
COMMENTS				
Section		Comments		
WATER		conductivity <10ms		
SITE CARD		Unable to measure pools in main channel. Side channel measurements on card		
WATER		River too fast and deep to cross.		

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 900-406900-31500-00000-00000-00000-00000-00000-000

1.0

WATERBODY																	
Gazetted Name: KLATTASINE CREEK										Local:							
Project Code: 900-406900-00000-00000-00000-00000-00000-00000-0																	
WS Code: 900-406900-31500-00000-00000-00000-00000-00000-000																	
Waterbody ID:					ILP Map #:					ILP #:		Reach #: 1 -					
Project ID: 4500					Lake/Stream: S					Lake From Date:							
Fish Permit #: FC2000-70					Date: 2000/09/17			To: 2000/09/17		Agency: C060		Crew: DM/SP		Resample: ☐			
SITE / METHOD																	
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment							
15	92N/2	50	10	363812	5677788	GPU	MT	2	7		T	conductivity <10ms					
15	92N/2	50	10	363812	5677788	GPU	MT	1	7		T	conductivity <10ms					
15	92N/2	50	10	363812	5677788	GPU	EF	1	7		T	conductivity <10ms					
A. GEAR SETTINGS																	
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment										
15	MT	2	1	2000/09/17	07:50	2000/09/17	08:55										
15	MT	1	1	2000/09/17	07:50	2000/09/17	08:55										
15	EF	1	1	2000/09/17	08:00	2000/09/17	08:50										
C. ELECTROFISHER SPECIFICATIONS																	
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Width	Voltage	Frequency	Pulse	Make	Model						
15	EF	1	1	O	510	135.0	1.0	800	80	6	SMITH-ROOT	12B-POW					
FISH SUMMARY																	
Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)		FishAct	Comment							
15	EF	1	1	DV	A		1	240	240	R							
15	EF	1	1	DV	J		11	60	95	R							
INDIVIDUAL FISH DATA																	
Site#	MTD/NO	H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment	
								Str	Smpl#	Age		Str	Smpl#				
15	EF	1	1	DV	240		U	U	FR	1			TP	1	23	15	
15	EF	1	1	DV	90		U	U									
15	EF	1	1	DV	80		U	U									
15	EF	1	1	DV	95		U	U									
15	EF	1	1	DV	85		U	U									
15	EF	1	1	DV	71		U	U									
15	EF	1	1	DV	76		U	U									
15	EF	1	1	DV	80		U	U									
15	EF	1	1	DV	92		U	U									
15	EF	1	1	DV	60		U	U									
15	EF	1	1	DV	88		U	U									
15	EF	1	1	DV	70		U	U									
COMMENTS																	
Section				Comments													
WATERBODY				Majority of sampling conducted along bank and in a low flow side channel													

Upstream photo of watershed code 900-406900-31500, Reach 1, Site 15. Photo archived on CD 4865, Image #42.



Downstream photo of watershed code 900-406900-31500, Reach 1, Site 15. Photo archived on CD 4865, Image #41.

