

FDIS Site Card

Watershed Code: 900-404100-07000-00000-00000-00000-00000-00000-00000-00000-00000

Reach # 1.0 ILP Map # ILP # Site 1

PROJECT																																																																														
Project Name: Mainland Coast 1:50000 Overview - 2000																																																																														
Stream Name (gaz.): SOUTHGATE RIVER										Project Code: 4501																																																																				
Project Watershed Code: 900-404100-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000																																																																														
WATERSHED																																																																														
Gazetted Name:										Local Name:																																																																				
Watershed Code: 900-404100-07000-00000-00000-00000-00000-00000-00000-00000-00000-00000																																																																														
ILP Map#:		ILP #:		NID Map #: 92K/15			NID #: 30		Reach #: 1.0		Site #: 1																																																																			
Field UTM(Zone/East/North/Method)				GIS UTM(Zone/East/North)				Site Lg: 128		Method: HC		Access: H																																																																		
10	377796	5637801	GPU	10	377652	5637793	Ref. Name:																																																																							
Date: 2000/09/16		Time: 07:40		Agency: C060			Crew: DM/SP		Fish Crd?: ☒		Incomplete: ☐																																																																			
CHANNEL																																																																														
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Wb Depth:		1.9	.6	.9	Avg: 1.13		Method: MS		Stage: ☒ L ☐ M ☐ H		No Vis.Ch.: ☐ Intermittent: ☐ Dw: ☐ Tribs.: ☐																																																																			
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LWD: F DIST: E LB SHP: S Texture: ☐ F ☐ G ☐ C ☒ B ☐ R ☐ A RIP: M STG: MF																																																																														
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WATER																																																																														
EMS:					Req #:																																																																									
Temp: 8					Method: T3					Cond.: 10																																																																				
pH: 7.0					Method: P4					Method: S4																																																																				
Flood Signs:					Method:					Turb.: ☐ T ☐ M ☒ L ☐ C																																																																				
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MORPHOLOGY																																																																														
Bed Material:					Dominant: B					Subdom: C																																																																				
D95: 85.0					D (cm): 27.00					Morph: RP																																																																				
Pattern: SI																																																																														
Islands: O																																																																														
Coupling: DC																																																																														
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FSZ ☐																																																																														
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										Bars: ☐ N ☒ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR																																																																				
HABITAT QUALITY																																																																														
Name					Comments																																																																									
Cover					Overall lack of cover variety.																																																																									
Spawning Habitat					Some spawning gravel observed. 3 sections of 0.5m^2. Substrate size 1mm-4mm and rounded. Good for small fish due to diameter.																																																																									
Rearing Habitat					Fair rearing. Lots of boulder cover, however at time of survey much of it was un-useable by fish due to extreme velocity.																																																																									
PHOTOS																																																																														
Photo		Foc Lg		Dir		Comments																																																																								
R:	21	F:	14	STD		D																																																																								
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COMMENTS																																																																														
Section					Comments																																																																									

FDIS Site Card

		Reach #	ILP Map #	ILP #	Site
Watershed Code: 900-404100-07000-00000-0000-0000-000-000-000-000-000		1.0			1
CHANNEL	Some bank sections are V-shaped, but majority is sloped.				

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 900-404100-07000-00000-00000-0000-000-000-000-000-000

1.0

WATERBODY															
Gazetted Name:										Local:					
Project Code: 900-404100-00000-00000-0000-0000-000-000-000-000-0															
WS Code: 900-404100-07000-00000-0000-0000-000-000-000-000-000															
Waterbody ID:				ILP Map #:				ILP #:		Reach #:		1 -			
Project ID: 4501				Lake/Stream: S				Lake From Date:							
Fish Permit #:		FC2000-70		Date:		2000/09/16		To:		2000/09/16		Agency: C060			
										Crew: DM/SP		Resample: ☐			
SITE / METHOD															
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO		Temp	Cond	Turbid	Comment				
1	92K/15	30	10	377796	5637801	GPU	MT	2	8	10	L				
1	92K/15	30	10	377796	5637801	GPU	MT	1	8	10	L				
1	92K/15	30	10	377796	5637801	GPU	EF	1	8	10	L				
A. GEAR SETTINGS															
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment								
1	MT	2	1	2000/09/16	09:00	2000/09/16	17:30								
1	MT	1	1	2000/09/16	09:00	2000/09/16	17:30								
1	EF	1	1	2000/09/16	07:45	2000/09/16	08:40								
C. ELECTROFISHER SPECIFICATIONS															
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Width	Voltage	Frequency	Pulse	Make	Model				
1	EF	1	1	O	506	128.0	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					
1	MT	2	1	NFC		0									
1	MT	1	1	NFC		0									
1	EF	1	1	BT	A	2	132	214	R						
1	EF	1	1	DV	J	1	75	75	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#				
1	EF	1	1	DV	75		U	U			1				
1	EF	1	1	BT	132		U	U	FR	1		TP	1	21	16
1	EF	1	1	BT	214		U	U	FR	2		TP	2	21	17

Upstream photo of watershed code 900-404100-07000, Reach 1, Site 1. Photo archived on CD 2988, Image #51.



Downstream photo of watershed code 900-404100-07000, Reach 1, Site 1. Photo archived on CD 2988, Image #50.



FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 900-404100-12100-00000-00000-0000-000-000-000-000-000

2.0

WATERBODY																
Gazetted Name:										Local:						
Project Code: 900-404100-00000-00000-00000-0000-000-000-000-000-0																
WS Code: 900-404100-12100-00000-00000-0000-000-000-000-000-000																
Waterbody ID:					ILP Map #:					ILP #:						
Project ID: 4501					Lake/Stream: S					Reach #: 2 - Lake From Date:						
Fish Permit #: FC2000-70			Date: 2000/09/16			To: 2000/09/16			Agency: C060			Crew: JB/FH			Resample: ☐	
SITE / METHOD																
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd				MTD/NO	Temp	Cond	Turbid	Comment					
2	92K/15	31	10	380200	5635850	MAP	MT	2	9	10	L					
2	92K/15	31	10	380200	5635850	MAP	MT	1	9	10	L					
2	92K/15	31	10	380200	5635850	MAP	EF	1	9	10	L					
A. GEAR SETTINGS																
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment									
2	MT	2	1	2000/09/16	08:00	2000/09/16	17:00									
2	MT	1	1	2000/09/16	08:00	2000/09/16	17:00									
2	EF	1	1	2000/09/16	08:00	2000/09/16	08:45									
C. ELECTROFISHER SPECIFICATIONS																
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Width	Voltage	Frequency	Pulse	Make	Model					
2	EF	1	1	O	648	150.0	2.0	1000	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	BT	J	3	115 134	R								
2	EF	1	1	DVXBT	J	1	106 106	R								
2	EF	1	1	BT	F	2	56 73	R								
2	EF	1	1	DV/BT	F	3	43 69	R								
2	EF	1	1	DVXBT	A	1	240 240	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	DVXBT	240	154.2	U	U	FR	1		TP	1	40	19	Two DV vouchers actually BT. This may be BT too.
2	EF	1	1	BT	126	18.6	U	U	FR	2		TP	2	40	20	Two DV vouchers actually BT. This may be BT too.
2	EF	1	1	BT	115	14.5	U	U	FR	3		TP	3	40	21	Two DV vouchers actually BT. This may be BT too.
2	EF	1	1	BT	134	21.0	U	U	FR	4		TP	4	40	22	Two DV vouchers actually BT. This may be BT too.
2	EF	1	1	DVXBT	106	12.7	U	U	FR	5		TP	5	40	23	Two DV vouchers actually BT. This may be BT too.
2	EF	1	1	BT	56	1.7	U	U								
2	EF	1	1	BT	73	3.4	U	U								
2	EF	1	1	DV	69	2.5	U	U								Two DV vouchers actually BT. This may be BT too.
2	EF	1	1	DV	68	2.8	U	U								Two DV vouchers actually BT. This may be BT too.
2	EF	1	1	DV	43	.9	U	U								Two DV vouchers actually BT. This may be BT too.
COMMENTS																
Section		Comments														
WATERBODY		One spawning adult coho visually observed _ approx. 400mm length														

Upstream photo of watershed code 900-404100-12100, Reach 2, Site 2. Photo archived on CD 2708, Image #60.



FDIS Site Card

Watershed Code: 900-404100-16200-00000-0000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP # Site 3

PROJECT																																																																														
Project Name: Mainland Coast 1:50000 Overview - 2000																																																																														
Stream Name (gaz.): SOUTHGATE RIVER										Project Code: 4501																																																																				
Project Watershed Code: 900-404100-00000-00000-0000-0000-000-000-000-000-000																																																																														
WATERSHED																																																																														
Gazetted Name: ELLIOT CREEK										Local Name:																																																																				
Watershed Code: 900-404100-16200-00000-0000-0000-000-000-000-000-000																																																																														
ILP Map#:		ILP #:		NID Map #: 92K/15			NID #: 32		Reach #: 1.0		Site #: 3																																																																			
Field UTM(Zone/East/North/Method)					GIS UTM(Zone/East/North)					Site Lg: 226		Method: HC		Access: H																																																																
10	383097	5636421	GPU	10	382972	5636812	Ref. Name:																																																																							
Date: 2000/09/16		Time: 09:45		Agency: C060			Crew: DM/SP		Fish Crd?: ☒		Incomplete: ☐																																																																			
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LWD: F DIST: C								INSTREAM VEG: N ☒ A ☐ M ☐ V ☐																																																																						
LB SHP: V								RB SHP: V																																																																						
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HABITAT QUALITY																																																																														
Name					Comments																																																																									
Spawning Habitat					Limited spawning potential. Some small areas of gravel on bars, but interstitial spaces appear heavily silted. Some clean gravel just above water line (on bank).																																																																									
Rearing Habitat					Fair rearing. Limiting factor is water velocity. Most of stream is too fast for fish to hold. Best suited to char population.																																																																									
PHOTOS																																																																														
Photo			Foc Lg		Dir		Comments																																																																							
R:	21	F:	18	STD		U																																																																								
R:	21	F:	19	STD		D																																																																								
R:	21	F:	20	STD		D																																																																								
COMMENTS																																																																														

FDIS Site Card

		Reach #	ILP Map #	ILP #	Site
Watershed Code: 900-404100-16200-00000-0000-0000-000-000-000-000		1.0			3
Section	Comments				
WATER	conductivity <10ms				
SITE CARD	Pool depths measured from edge of stream.				
WATER	Stream too fast and deep to cross.				

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 900-404100-16200-00000-00000-0000-000-000-000-000-000

1.0

WATERBODY																
Gazetted Name: ELLIOT CREEK										Local:						
Project Code: 900-404100-00000-00000-00000-0000-000-000-000-000-0																
WS Code: 900-404100-16200-00000-00000-0000-000-000-000-000																
Waterbody ID:					ILP Map #:					ILP #:		Reach #: 1 -				
Project ID: 4501					Lake/Stream: S					Lake From Date:						
Fish Permit #: FC2000-70					Date: 2000/09/16			To: 2000/09/16			Agency: C060		Crew: DM/SP		Resample: ☐	
SITE / METHOD																
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO		Temp	Cond	Turbid	Comment					
3	92K/15	32	10	383097	5636421	GPU	EF	1	7		T	conductivity <10ms				
A. GEAR SETTINGS																
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment									
3	EF	1	1	2000/09/16	09:50	2000/09/16	10:40									
C. ELECTROFISHER SPECIFICATIONS																
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Width	Voltage	Frequency	Pulse	Make	Model					
3	EF	1	1	O	593	226.0	2.0	800	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	DVXBT	J		1	118	118	R						
3	EF	1	1	CC	A		3	109	121	R						
3	EF	1	1	DV	A		1	149	149	R						
3	EF	1	1	DV	J		5	58	82	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	DVXBT	118		U	U	FR	1		1	TP	1	21	21
3	EF	1	1	DV	149		U	U	FR	2			TP	2	21	22
3	EF	1	1	DV	58		U	U							21	24
3	EF	1	1	DV	70		U	U								
3	EF	1	1	DV	82		U	U								
3	EF	1	1	DV	72		U	U								
3	EF	1	1	DV	74		U	U								
3	EF	1	1	CC	110		U	U								
3	EF	1	1	CC	109		U	U								
3	EF	1	1	CC	121		U	U								
COMMENTS																
Section					Comments											
WATERBODY					balance malfunctioning.											

Upstream photo of watershed code 900-404100-16200, Reach 1, Site 3. Photo archived on CD 2988, Image #54.



Downstream photo of watershed code 900-404100-16200, Reach 1, Site 3. Photo archived on CD 2988, Image #55.



FDIS Site Card

Reach # ILP Map # ILP # Site
1.0 4

Watershed Code: 900-404100-28700-00000-00000-00000-00000-00000-00000-00000-00000

PROJECT

Project Name: Mainland Coast 1:50000 Overview - 2000
Stream Name (gaz.): SOUTHGATE RIVER Project Code: 4501
Project Watershed Code: 900-404100-00000-00000-00000-00000-00000-00000-00000-00000-00000

WATERSHED

Gazetted Name: Local Name:
Watershed Code: 900-404100-28700-00000-00000-00000-00000-00000-00000-00000-00000
ILP Map#: ILP #: NID Map #: 92K/15 NID #: 33 Reach #: 1.0 Site #: 4
Field UTM(Zone/East/North/Method) GIS UTM(Zone/East/North) Site Lg: 50 Method: GE Access: H
10 | 388600 | 5633650 | MAP 10 | 388438 | 5633771 Ref. Name:
Date: 2000/09/16 Time: 12:00 Agency: C060 Crew: JB/FH/DJ Fish Crd?: ☒ Incomplete: ☐

CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg
Channel Width (m):	GE	14.30	15.00	12.00	15.00	17.00	20.00					15.55
Wetted Width (m):	GE	10.00	12.00	10.00	12.00	15.00	15.00					12.33
Pool Depth (m):	GE	0.40	0.30	0.45	0.25	0.30	0.40					0.35

	Gadiant %	Mtd	Avg
Method I:	2.0	2.5	C
Method II:			C

Wb Depth: 1.0 | 1.2 | .8 Avg: 1.00 Method: MS Stage: L ☐ M ☒ H ☐
No Vis.Ch.: ☐ Intermittent: ☐
Dw: ☐ Tribs.: ☐

COVER Total: A

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

CROWN CLOSURE

1 1-20%

INSTREAM VEG: N ☒ A ☐ M ☐ V ☐

LWD: F

DIST: E

LB SHP: U

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: 10 Method: T3 Cond.: Method: S4
pH: 6.5 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: 5.00 D (cm): 5.00 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
Rearing Habitat	Moderate rearing habitat, good cover from LWD and undercut banks, also some ephemeral channels.
Spawning Habitat	Fair spawning habitat, although the majority of substrate is fines, there are some pockets of gravel along streambed.

PHOTOS

Photo	Foc Lg	Dir	Comments
R: 20 F: 1	STD	U	
R: 20 F: 2	STD	D	

COMMENTS

Section	Comments
---------	----------

FDIS Site Card

		Reach #	ILP Map #	ILP #	Site
Watershed Code: 900-404100-28700-00000-0000-0000-000-000-000-000-000		1.0			4
COMMENTS					
Section	Comments				
WATER	turbidity <10ms				
SITE CARD	Site length is <100m due to extremely poor stream conditions and safety.				

FDIS Fish Form

Watershed Code:

900-404100-28700-00000-00000-0000-000-000-000-000-000

Reach #

ILP Map #

ILP #

1.0

WATERBODY

Gazetted Name:

Local:

Project Code: 900-404100-00000-00000-0000-0000-000-000-000-000-0

WS Code: 900-404100-28700-00000-0000-0000-000-000-000-000-000

Waterbody ID:

ILP Map #:

ILP #:

Reach #: 1 -

Project ID: 4501

Lake/Stream: S

Lake From Date:

Fish Permit #: FC2000-70

Date: 2000/09/16

To: 2000/09/16

Agency: C060

Crew: JB/FH/DJ

Resample: ☐

SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment
4	92K/15	33	10	388600	5633650	MAP EF 1	10		M	conductivity <10ms

A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
4	EF	1	1	2000/09/16	12:00	2000/09/16	12:20

C. ELECTROFISHER SPECIFICATIONS

Site#	MTD/NO	H/P	Encl	Sec	Lnth	Width	Voltage	Frequency	Pulse	Make	Model
4	EF	1	1	O	201	50.0	2.0	1000	70	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	SP	J	1	29	29	R	
4	EF	1	1	DV	J	3	43	58	R	
4	EF	1	1	CH	J	3	56	68	R	
4	EF	1	1	CO	J	12	47	88	R	

INDIVIDUAL FISH DATA

Site#	MTD/NO		H/P	Species	Length	Weight	Sex	Mat	Age			Vch#	Genetic		Roll #	Frame#	Comment
									Str/Smpl#	I	Age		Str/Smpl#				
4	EF	1	1	CO	88	8.8	U	U				2					
4	EF	1	1	CO	61	2.7	U	U									
4	EF	1	1	CH	56	2.4	U	U									
4	EF	1	1	CO	68	2.9	U	U									
4	EF	1	1	CO	68	3.9	U	U									
4	EF	1	1	CO	77	6.2	U	U									
4	EF	1	1	CO	57	2.5	U	U									
4	EF	1	1	CH	68	3.7	U	U									
4	EF	1	1	CO	60	2.4	U	U									
4	EF	1	1	CO	62	2.7	U	U									
4	EF	1	1	CO	56	2.0	U	U									
4	EF	1	1	CO	53	2.0	U	U									
4	EF	1	1	DV	58	2.3	U	U				1					
4	EF	1	1	CH	67	3.4	U	U									
4	EF	1	1	DV	48	.8	U	U									
4	EF	1	1	CO	47	.8	U	U									
4	EF	1	1	CO	55	1.6	U	U									
4	EF	1	1	DV	43	.7	U	U									
4	EF	1	1	SP	29	.2	U	U									unidentifiable salmon fry

Upstream photo of watershed code 900-404100-28700, Reach 1, Site 4. Photo archived on CD 4865, Image #96.



Downstream photo of watershed code 900-404100-28700, Reach 1, Site 4. Photo archived on CD 4865, Image #97.



FDIS Site Card

Watershed Code: 900-404100-00000-00000-0000-000-000-000-000-000-000

Reach #137.0

ILP Map #

ILP #

Site5

COMMENTS	
Section	Comments
WATER	Stream too fast and deep to measure or estimate pool depths.
SITE CARD	Replacement site for 900-404100-50400, reach 1 (Raleigh Creek)

FDIS Fish Form

Reach # ILP Map # ILP #

Watershed Code: 900-404100-00000-00000-0000-0000-000-000-000-000-000-000

137.0

WATERBODY											
Gazetted Name: SOUTHGATE RIVER						Local:					
Project Code: 900-404100-00000-00000-0000-0000-000-000-000-000-0											
WS Code: 900-404100-00000-00000-0000-0000-000-000-000-000-000											
Waterbody ID:				ILP Map #:				ILP #:		Reach #: 137 -	
Project ID: 4501				Lake/Stream: S				Lake From Date:			

Fish Permit #: FC2000-70	Date: 2000/09/16	To: 2000/09/16	Agency: C060	Crew: DM/SP	Resample: ☐
--------------------------	------------------	----------------	--------------	-------------	------------------------------------

SITE / METHOD											
Site#	NID Map	NID #	UTM:Zone/East/North/Mthd			MTD/NO	Temp	Cond	Turbid	Comment	
5	92K/16	34	10	399735	5638190	GPU	EF	1	8	10	T

A. GEAR SETTINGS							
Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
5	EF	1	2000/09/16	12:20	2000/09/16	13:10	

C. ELECTROFISHER SPECIFICATIONS											
Site#	MTD/NO	H/P	Encl	Sec	Lnth	Width	Voltage	Frequency	Pulse	Make	Model
5	EF	1	1	O	447	180.0	1.5	900	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	DV	A	10	132	251	R		
5	EF	1	1	CO	J	4	49	76	R		
5	EF	1	1	CH	J	14	52	77	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	CO	76		U	U			1				
5	EF	1	1	CH	68		U	U			2				
5	EF	1	1	CH	69		U	U							
5	EF	1	1	CO	49		U	U							
5	EF	1	1	CH	70		U	U							
5	EF	1	1	CH	77		U	U							
5	EF	1	1	CH	76		U	U							
5	EF	1	1	CH	74		U	U							
5	EF	1	1	CO	66		U	U							
5	EF	1	1	CH	70		U	U							
5	EF	1	1	CH	64		U	U							
5	EF	1	1	CH	52		U	U							
5	EF	1	1	CH	59		U	U							
5	EF	1	1	CH	61		U	U							
5	EF	1	1	CO	53		U	U							
5	EF	1	1	DV	132		U	U	FR	1		TP	1	23	2
5	EF	1	1	DV	142		U	U	FR	2		TP	2	23	3
5	EF	1	1	DV	135		U	U	FR	3		TP	3	23	4
5	EF	1	1	DV	152		U	U	FR	4		TP	4	23	5
5	EF	1	1	DV	168		U	U	FR	5		TP	5	23	6
5	EF	1	1	DV	140		U	U	FR	6		TP	6	23	7
5	EF	1	1	DV	180		U	U	FR	7		TP	7	23	8
5	EF	1	1	DV	203		U	U	FR	8		TP	8	23	9
5	EF	1	1	DV	140		U	U	FR	9		TP	9	23	10
5	EF	1	1	DV	251		U	U	FR	10		TP	10	23	11
5	EF	1	1	CH	65		U	U							photos 11 and 12
5	EF	1	1	CH	77		U	U							
5	EF	1	1	CH	59		U	U							

COMMENTS	
Section	Comments
WATERBODY	Shocked edge of main channel and one long side channel running along side bar. After 180m, stream became too deep and fast to shock

Upstream photo of watershed code 900-404100, Reach 137, Site 5. Photo archived on CD 4865, Image #39.



Downstream photo of watershed code 900-404100, Reach 137, Site 5. Photo archived on CD 4865, Image #38.



FDIS Site Card

Watershed Code: 900-404100-66700-15500-0000-0000-000-000-000-000-000

Reach # 1.0 ILP Map # ILP # 6 Site

PROJECT																																																																														
Project Name: Mainland Coast 1:50000 Overview - 2000																																																																														
Stream Name (gaz.): SOUTHGATE RIVER										Project Code: 4501																																																																				
Project Watershed Code: 900-404100-00000-00000-0000-0000-000-000-000-000-000																																																																														
WATERSHED																																																																														
Gazetted Name:										Local Name:																																																																				
Watershed Code: 900-404100-66700-15500-0000-0000-000-000-000-000-000																																																																														
ILP Map#:		ILP #:		NID Map #: 92K/16			NID #: 35		Reach #: 1.0		Site #: 6																																																																			
Field UTM(Zone/East/North/Method)				GIS UTM(Zone/East/North)				Site Lg: 100		Method: GE		Access: H																																																																		
10	410900	5649700	MAP	10	410746	5649920	Ref. Name:																																																																							
Date: 2000/09/16		Time: 13:00		Agency: C060		Crew: JB/FH/DJ		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>T</td> <td>7.80</td> <td>11.20</td> <td>6.40</td> <td>7.90</td> <td>8.40</td> <td>9.00</td> <td></td> <td></td> <td></td> <td></td> <td>8.45</td> </tr> <tr> <td>Wetted Width (m):</td> <td>T</td> <td>3.90</td> <td>1.90</td> <td>1.70</td> <td>2.20</td> <td>3.00</td> <td>1.90</td> <td></td> <td></td> <td></td> <td></td> <td>2.43</td> </tr> <tr> <td>Pool Depth (m):</td> <td>MS</td> <td>0.70</td> <td>0.10</td> <td>0.20</td> <td>0.20</td> <td>0.25</td> <td></td> <td>0.30</td> <td></td> <td></td> <td></td> <td>0.29</td> </tr> </tbody> </table>													Mtd	width	width	width	width	width	width	width	width	width	width	Avg	Channel Width (m):	T	7.80	11.20	6.40	7.90	8.40	9.00					8.45	Wetted Width (m):	T	3.90	1.90	1.70	2.20	3.00	1.90					2.43	Pool Depth (m):	MS	0.70	0.10	0.20	0.20	0.25		0.30				0.29	<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>2.0</td> <td>1.0</td> <td>C</td> </tr> </tbody> </table>				Gadient %	Mtd	Avg	Method I:	3.0	4.0	C	Method II:	2.0	1.0	C
	Mtd	width	width	width	width	width	width	width	width	width	width	Avg																																																																		
Channel Width (m):	T	7.80	11.20	6.40	7.90	8.40	9.00					8.45																																																																		
Wetted Width (m):	T	3.90	1.90	1.70	2.20	3.00	1.90					2.43																																																																		
Pool Depth (m):	MS	0.70	0.10	0.20	0.20	0.25		0.30				0.29																																																																		
	Gadient %	Mtd	Avg																																																																											
Method I:	3.0	4.0	C																																																																											
Method II:	2.0	1.0	C																																																																											
Wb Depth: .4 .3 .4		Avg: 0.37		Method: MS		Stage: L ☐ M ☒ H ☐		No Vis.Ch: ☐ Intermittent: ☐		Dw: ☐ Tribs.: ☐																																																																				
COVER Total: A																																																																														
<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>S</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:	S	D	T	N	S	S	N	Loc: P/S/O:	☒	☒	☒	☒	☒	☒	☒	CROWN CLOSURE 2 21-40%																																														
Type:	SWD	LWD	B	U	DP	OV	IV																																																																							
Amount:	S	D	T	N	S	S	N																																																																							
Loc: P/S/O:	☒	☒	☒	☒	☒	☒	☒																																																																							
								INSTREAM VEG: N ☐ A ☐ M ☒ V ☐																																																																						
LWD: F DIST: E								RB SHP: S																																																																						
LB SHP: S								Texture: ☐ F ☒ G ☒ C ☐ B ☐ R ☐ A																																																																						
RIP: M								RIP: M																																																																						
STG: MF								STG: MF																																																																						
WATER																																																																														
EMS:					Req #:																																																																									
Temp: 13					Method: T3					Cond.: 30																																																																				
pH: 6.5					Method: P4					Method: S4																																																																				
Flood Signs:					Method:					Turb.: ☐ T ☐ M ☐ L ☒ C																																																																				
										Method: GE																																																																				
MORPHOLOGY																																																																														
Bed Material: Dominant: C					Subdom: G					O1 B1 B2 B3 D1 D2 D3																																																																				
D95: 50.0 D (cm): 15.00					Morph: SP					DISTURBANCE INDICATORS																																																																				
Pattern: SI										C1 C2 C3 C4 C5 S1 S2 S3 S4 S5																																																																				
Islands: N																																																																														
Coupling: PC																																																																														
Confinement: FC																																																																														
FSZ ☐										Bars: ☒ N ☐ SIDE ☐ DIAG ☐ MID ☐ SPAN ☐ BR																																																																				
HABITAT QUALITY																																																																														
Name					Comments																																																																									
Rearing Habitat					Excellent rearing and spawning habitat: good substrate, abundant cover, good flow and low gradient evidenced by both juvenile and adult fish captured.																																																																									
PHOTOS																																																																														
Photo		Foc Lg		Dir		Comments																																																																								
R:	20	F:	10	STD		D																																																																								
R:	20	F:	9	STD		U																																																																								
COMMENTS																																																																														
Section					Comments																																																																									

FDIS Site Card

Watershed Code: 900-404100-66700-15500-0000-0000-000-000-000-000-000		Reach #	ILP Map #	ILP #	Site
		1.0			6
COMMENTS					
Section	Comments				
CHANNEL	1st reach of creek parallels Bishop Creek. At high flow Bishop Creek may flow into sampled creek.				

FDIS Fish Form

ILP #

1.0

[illegible]

**Upstream photo of watershed code 900-404100-66700-15500, Reach 1, Site 6.
Photo archived on CD 4865, Image #104.**



**Downstream photo of watershed code 900-404100-66700-15500, Reach 1, Site 6.
Photo archived on CD 4865, Image #105.**

