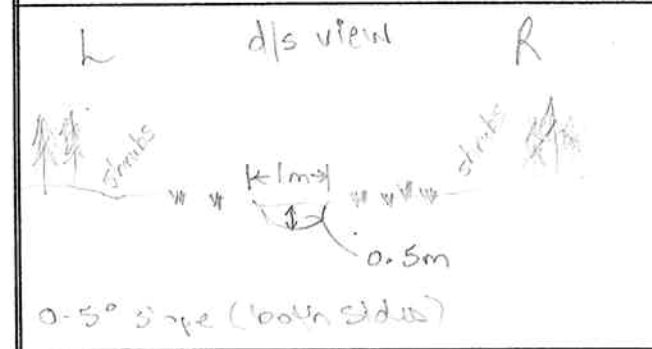
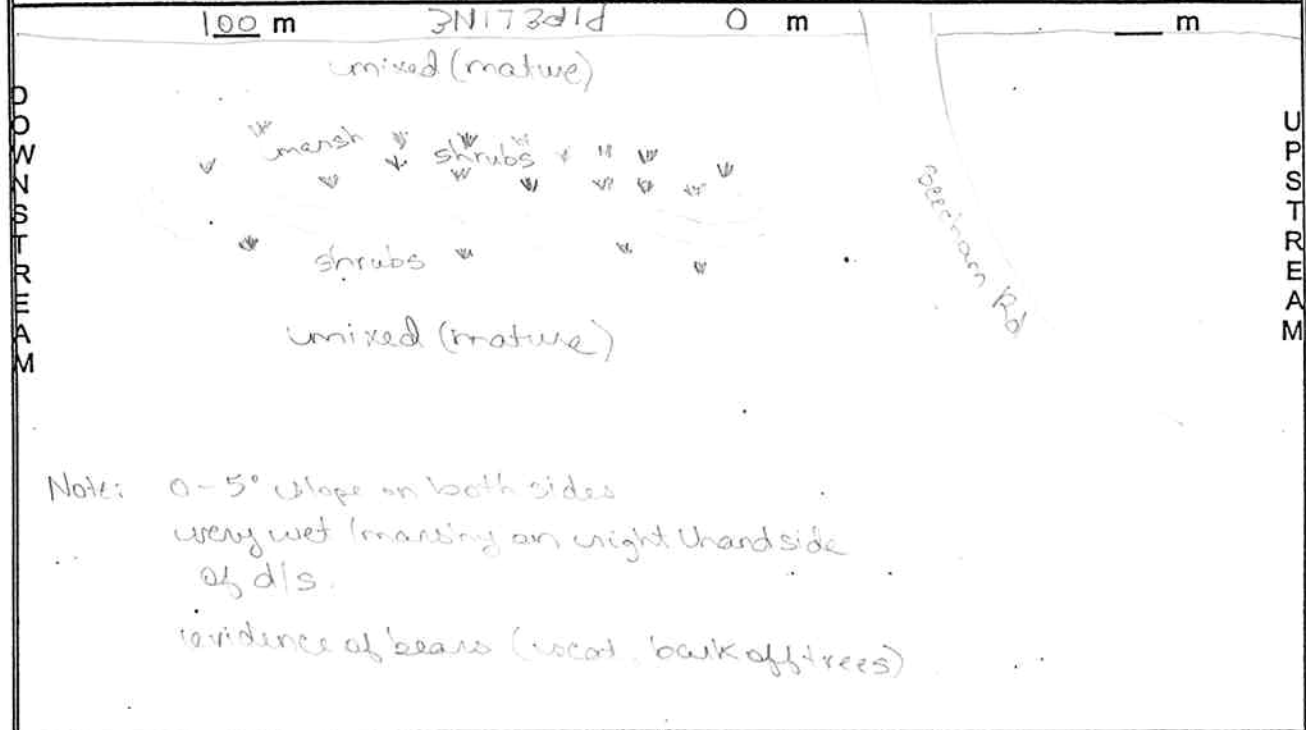


Watercourse Crossings		Date: <u>July 23/04</u>	ID-No.: <u>P-1</u>
Site Survey Data		Time: <u>5:30PM</u>	
Location: <u>P-1</u>		Crew: <u>Jarkie & Bev</u>	
Co-ordinates:		Weather: <u>rain clearing to sun</u>	
Access: <u>from Beecham Rd, west of pipeline</u>		Preferred Work Side:	
		Comments:	



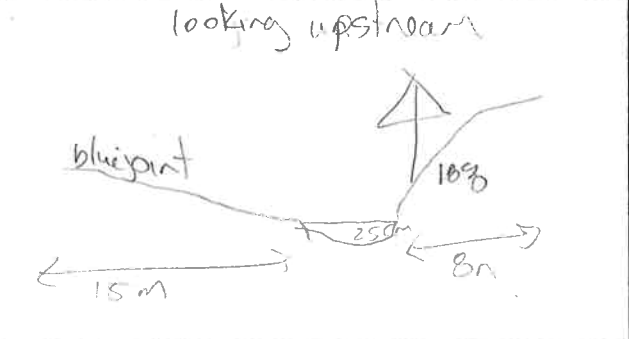
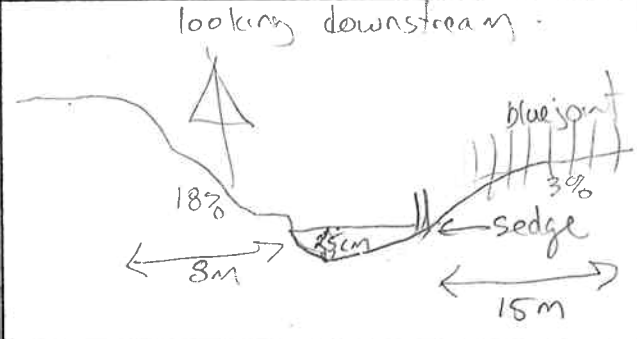
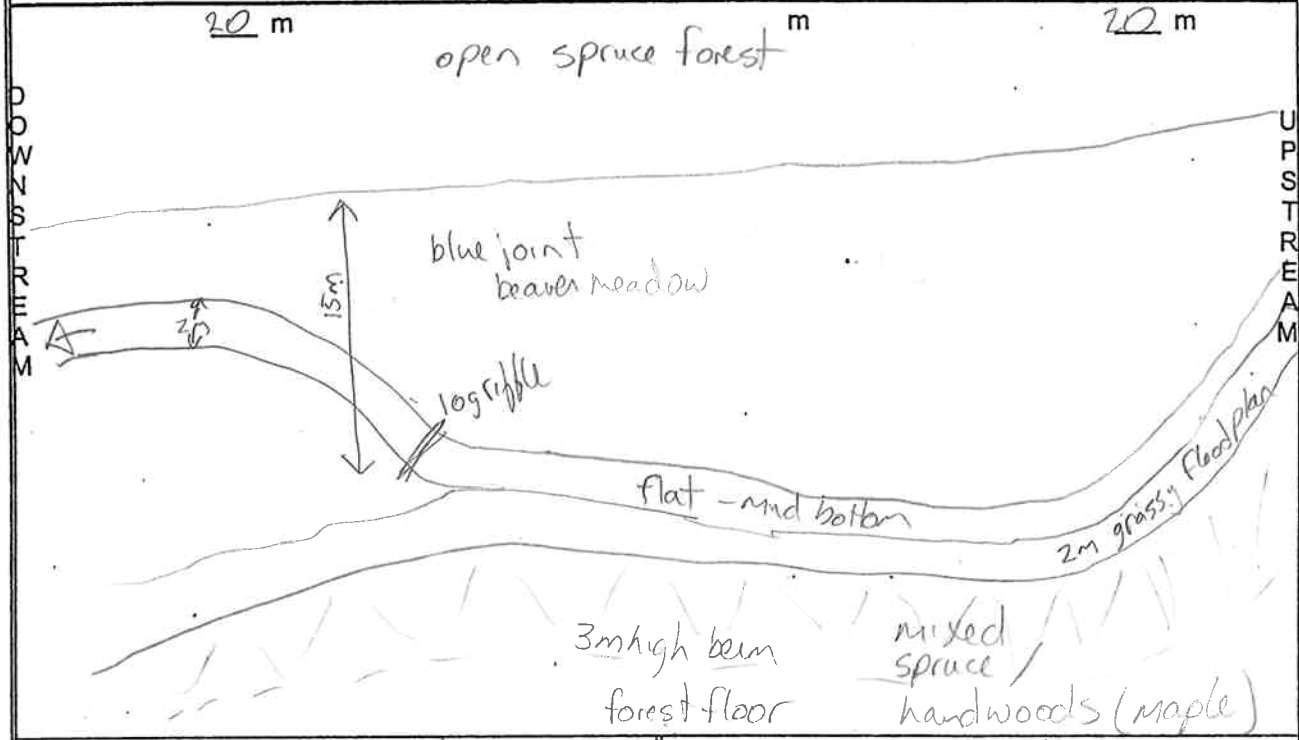
Note: started survey near source of stream.

Habitat in Alignment					
Species	Spawning	Rearing	Passage	Pool	Other
/	/	/	/	/	/
/	/	/	/	/	/

Observations	
Dominant bottom substrate:	<u>mud/sand</u> Structures present (size): <u>—</u>
Potential for scouring:	<u>low/flow</u> Obstructions observed: <u>—</u>
Approach slopes:	<u>very low</u> Contaminants observed: <u>—</u>
Soil type along banks:	<u>waddy sand</u> Significant d/s habitat features: <u>—</u>
Approach soil:	<u>sand</u> Land use: <u>woodland</u>
Bedrock:	<u>not observed</u> Rec. fishery use observed: <u>—</u>
Evidence of navigation:	<u>no</u> Downstream water users: <u>—</u>
Evidence of water seep:	<u>no</u>
Other comments:	

Water Chemistry	<u>T 18.3°C, pH 5.9</u>	Other:
	<u>Cond 0.10 mS/cm</u>	

Watercourse Crossings		Date: 9/15/04	ID-No.: AMHERST
Site Survey Data		Time: 1:26pm	A1
Location: TRIB TO TIDNISH		Crew: KCM/SCM	
Co-ordinates:		Weather: clear/windy	
Access: walked upstream		Preferred Work Side: E-flank but w-OK	
		Comments: beaver meadow floodplain on	



Habitat in Alignment					
Species	Spawning	Rearing	Passage	Pool	Other
stickleback	YES	YES	YES	YES	
brock trout	NO	NO	YES	NO	
chub	NO	YES	YES	YES	

Observations

Dominant bottom substrate:	Mud	Structures present (size):	NO
Potential for scouring:	YES	Obstructions observed:	woody debris downstream throughout
Approach slopes:	low on East, low on West behind beam	Contaminants observed:	minor iron color
Soil type along banks:	silty clay	Significant d/s habitat features:	downstream trib
Approach soil:	sandy silty	Land use:	Not current possibly old pasture
Bedrock:	no outcrop	Rec. fishery use observed:	NO
Evidence of navigation:	NO	Downstream water users:	Not Noted
Evidence of water seep:	NO		

Other comments: overland drainage from beaver meadow, check DNR mapping for wetlands. Nesting snag on beaver meadow.

Water Chemistry	Sample taken 58°F	Other:	
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Nova Scotia Stream Data Sheet

Stream Name:

Start Point:

Stream No.: A1

End Point:

Personnel: Karen March/Scott McMillan

Date: 15-Sep-04

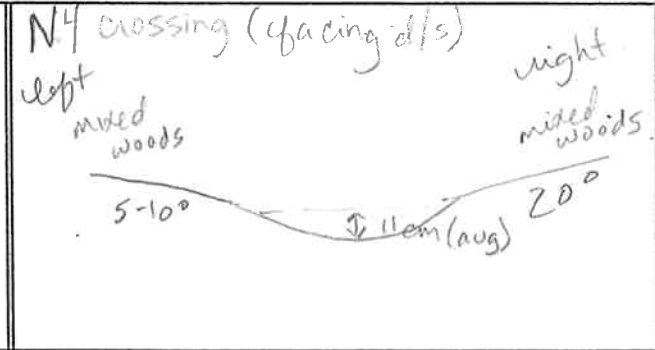
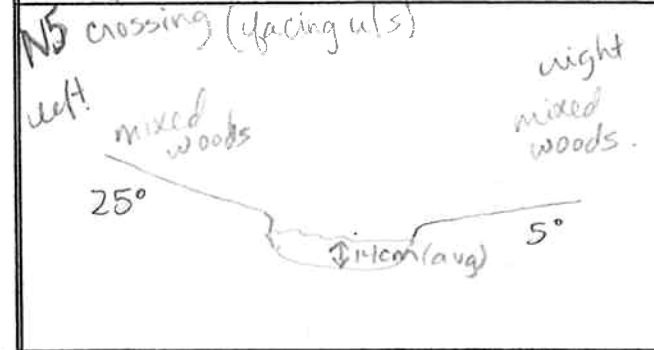
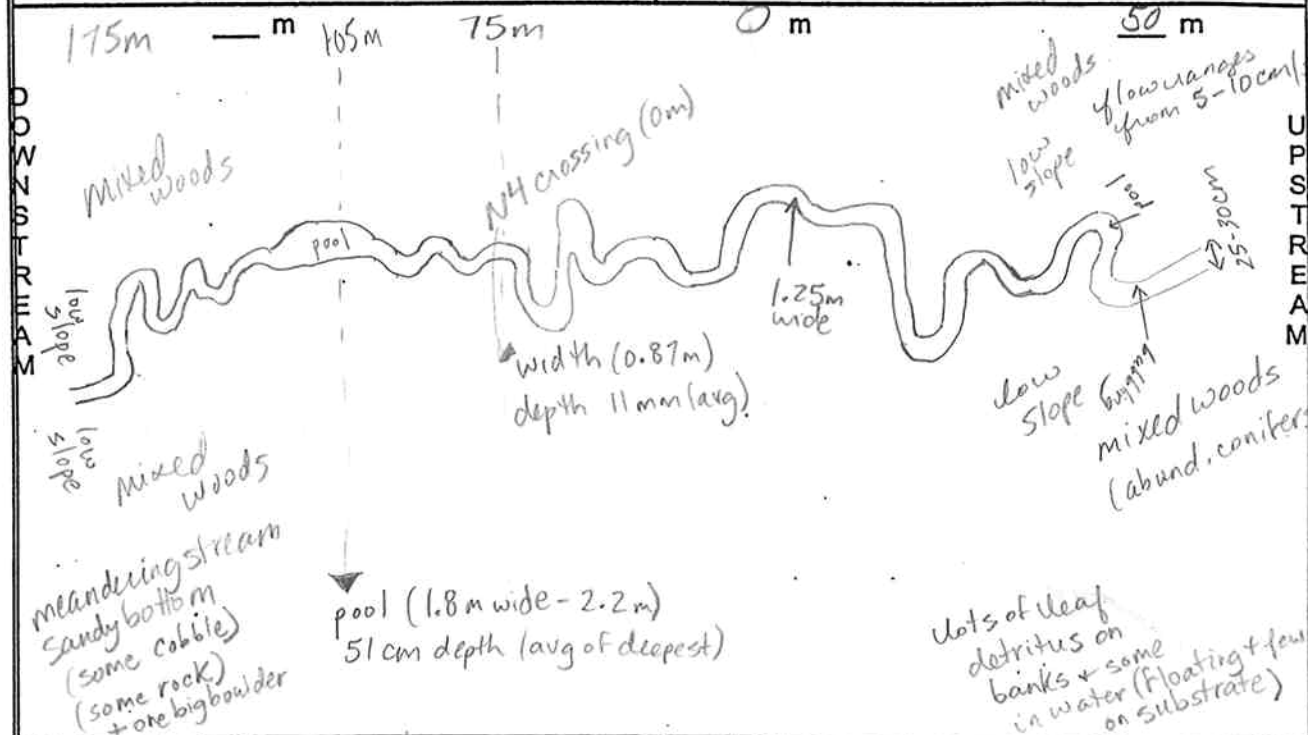
Stream Order: 2

NTS Coord.: 422838E, 5084987N (UTM)

#	Unit Type	Stream Type	Chainage @unit end	Unit Length	Avg. W (m)	Avg. Depth Wet Width (m)	Substrate %						Emb.	Site %				Stream Banks										Pool Criteria			Pool Tail Criteria					Comments			
							Bd Rk	B	R	C	Gr	Sd		Fine	Riffle	Run	Flat	Pool	Under-Cut Bank	Over-Hang Veq.	Woody Debris (m)	Shade	Vegetation					Erosion %			Depth (m)	Cover (%)	Stream (%)	Emb.	Median Substrate Size		Fines (%)	Length (m)	Turb. (%)
																							Bare (%)	Moss (%)	Grass (%)	Shrubs (%)	Trees (%)	Stb.	Br. Stb.	Ero.									
1	D		-60	60	1	0.3						100	H			100	5	40	15	20	20				90	10				95	5							raccoon, deer tracks meader in grassy meadow	
2	D		26.1		1.5	0.2						100	H			100		35	10	25	20				60	20				95	5							alder/grass cover, straight reach	
3	D		100.1		2.5	0.2		5	30	10	5	80	H	40		60	5	30	30	45	20			40	40				95	5							979- dry channel to E, areas w/gradient, alders		
4	D		116.8		3	0.25		5		5	10	80	H			100	5	5	2	30	20	20	30	5	5	30			95	5							short forest section		
5	D		134.6		2.5	0.2		5		1	5	80	H	30		70	5	40	10	30	20			40	40				95	5							short alder section		
6	D		203.1		2.5	0.2			5	5	5	85	H	5		95	10	15	20	20	20	20	30	5	25	20			95	5							forested		
7	D		234.4		2.5	0.2			5		5	85	H	5		95	5	35	15	35	20			30	50				95	5							alders		
8	D		255		3	0.2			5		5	85	H	5		95	20	15	5	20	20			30	5	25	20			95	5							245 - stream bed, w/veg cover alders, brambles @270.0, wider @ 320, dry channel @ 325 fr. W, old pasture?	
9	D		A1-130		2	0.15						100	H	20		80	5	35	inf	35	20			20	60				95	5							grassy meadow steeper, but open		
10	D/A/U		A1+80		3	0.2		5	5	10	10	20	H	10		90	10	25	10	25			90			5	5	100											
11	U		A1+ 100		2				5	10	25	65	H	30		70		5	5	10	10			90															



Watercourse Crossings		Date: <u>02/21/04</u>	ID-No.: <u>N5 + N4</u>
Site Survey Data		Time: <u>PM</u>	
Location: <u>N5 + N4</u>		Crew: <u>Jackie + Bev</u>	
Co-ordinates:		Weather:	
Access: <u>dirt road by pig farm.</u>		Preferred Work Side:	
		Comments:	



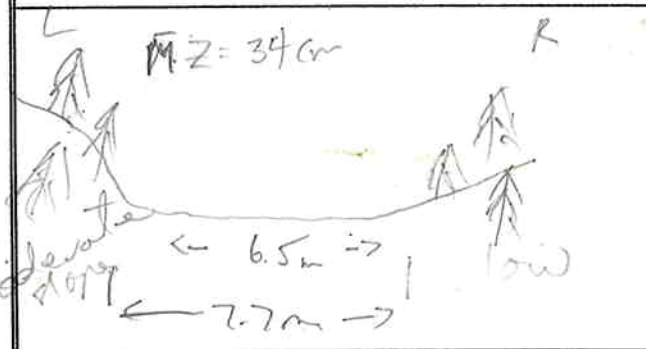
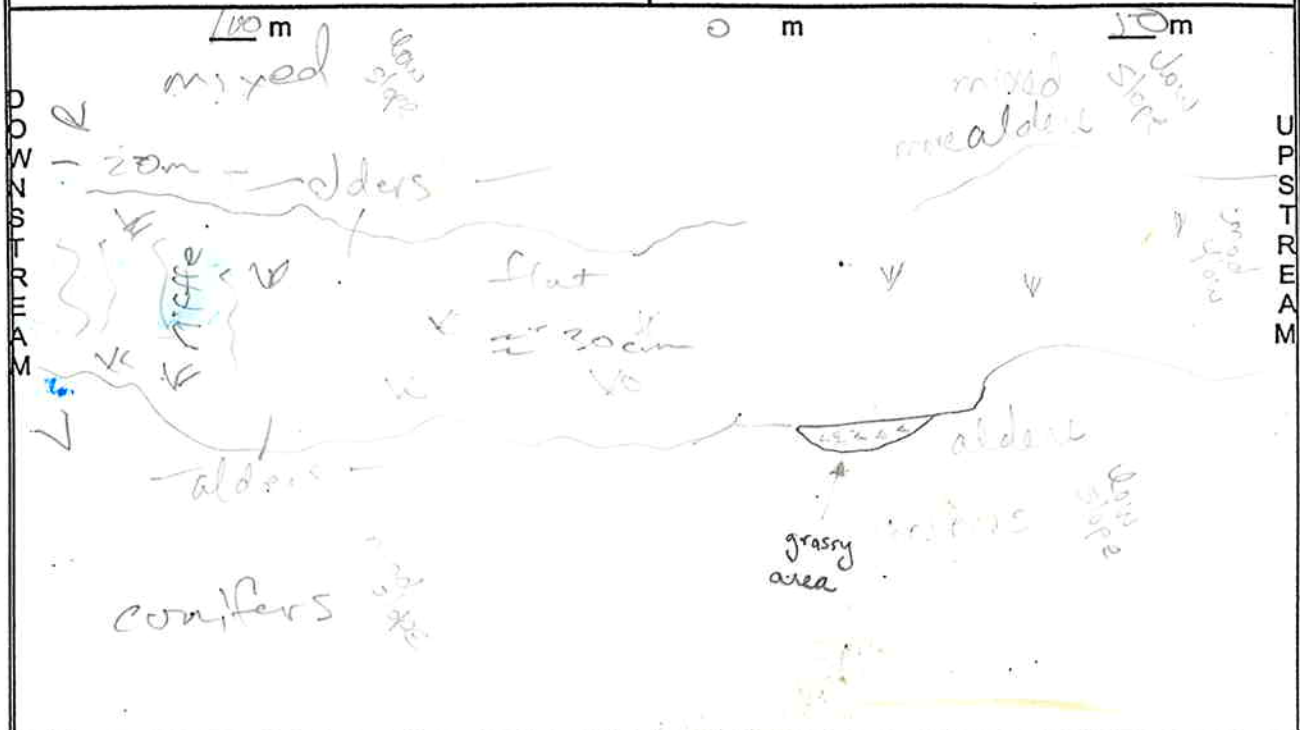
Habitat in Alignment					
Species	Spawning	Rearing	Passage	Pool	Other
minnow (2 sp.)	possible	possible	limited	—	—
Yog					

Observations (N5 and N4 - same stream)

Dominant bottom substrate:	<u>sand</u>	Structures present (size):	<u>—</u>
Potential for scouring:	<u>low</u>	Obstructions observed:	<u>woody debris (logs xing)</u>
Approach slopes:	<u>low-mod</u>	Contaminants observed:	<u>—</u>
Soil type along banks:	<u>sand</u>	Significant d/s habitat features:	<u>—</u>
Approach soil:	<u>sand</u>	Land use:	<u>woodlot (silviculture)</u>
Bedrock:	<u>not observed</u>	Rec. fishery use observed:	<u>—</u>
Evidence of navigation:	<u>—</u>	Downstream water users:	<u>—</u>
Evidence of water seep:	<u>—</u>		
Other comments:			

Water Chemistry	N5	Water	N4
	pH 5.9 Cond 0.08 ms/cm	Chem	Other: pH 5.6 Cond 0.05 ms/cm

Watercourse Crossings		Date: <u>28-7-04</u>	ID-No.: <u>P-5</u>
Site Survey Data		Time: <u>1315</u>	
Location: <u>P5</u>		Crew: <u>SPRY / SMITH</u>	
Co-ordinates: <u>415514.7 5079993.7 UTM</u>		Weather: <u>RAIN</u>	
Access: <u>none</u> <u>located</u>		Preferred Work Side: <u>R</u>	
Comments:			



Habitat in Alignment					
Species	Spawning	Rearing	Passage	Pool	Other

Observations	
Dominant bottom substrate:	<u>sandy mud</u>
Potential for scouring:	<u>low</u>
Approach slopes:	<u>R-20 L-40</u>
Soil type along banks:	<u>sandy mud</u>
Approach soil:	<u>sand</u>
Bedrock:	<u>no</u>
Evidence of navigation:	<u>no</u>
Evidence of water seep:	<u>no</u>
Other comments:	
Structures present (size):	<u>no</u>
Obstructions observed:	<u>no</u>
Contaminants observed:	<u>garbage - metal</u>
Significant d/s habitat features:	<u>—</u>
Land use:	<u>Irving Woodlot</u>
Rec. fishery use observed:	<u>—</u>
Downstream water users:	<u>—</u>

Water Chemistry	<u>PH 7.2</u> <u>cond 23.0 mS/cm</u>	Other:	
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55m
Waterline

27
37
64
36
100

Nova Scotia Stream Data Sheet

Stream Name: MacLellans Brook
 Personnel: Jackie Spry/Bev Smith

Start Point: 0 m (crossing)
 Date: 28-Jul-04

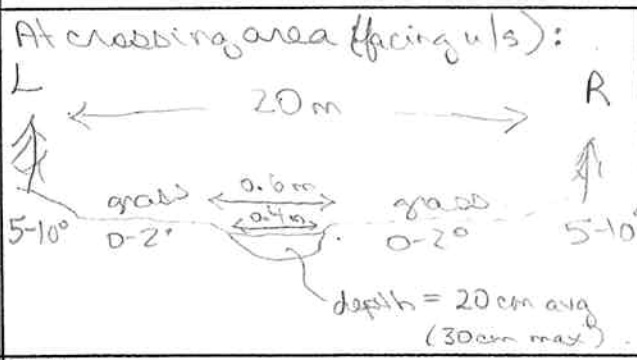
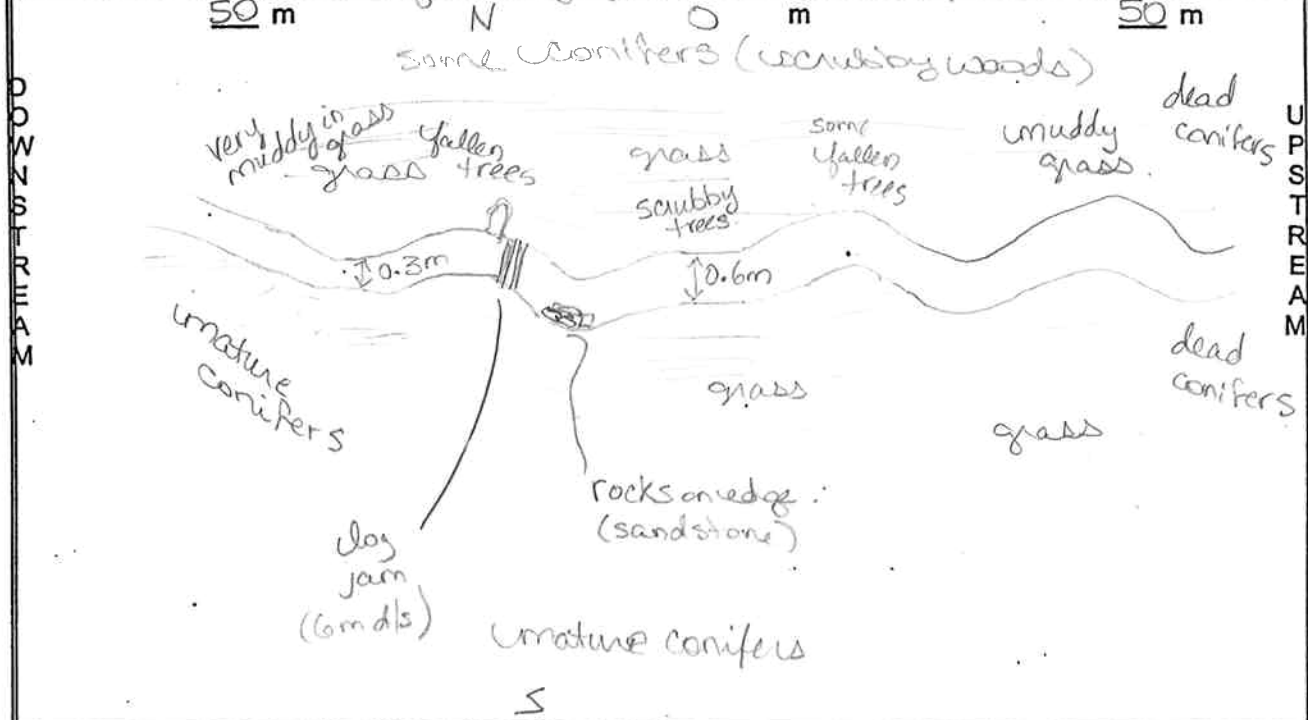
Stream No.: P5
 Stream Order:

End Point:
 NTS Coord.: 415514, 5079993 (UTM)

Unit #	Unit Type	Stream Type	Chainage @unit end	Unit Length	Avg. W (m)	Avg. Depth (m)	Substrate %						Emb.	Site %				% Under-Cut Bank	% Over-Hang Veg.	Large Woody Debris (m)	% Shade	Stream Banks								Pool Criteria			Pool Tail Criteria					Comments		
							Bd Rk	B	R	C	Gr	Sd		Fine	Riffle	Run	Flat					Pool	Vegetation				Erosion %			Depth (m)	Cover (%)	Stream (%)	Emb.	Median Substrate Size	Fines (%)	Length (m)	Turb. (%)			
																							Bare (%)	Moss (%)	Grass (%)	Shrubs (%)	Trees (%)	Stb.	Br. Stb.										Ero.	C
1	D	10	100	100	8	0.32			30	20	50	some	1	20		80		50	80	20	50	5	10	25	60	60	40		10	90									instream vegetation in riffle plus moss	
2	U	10	50	55	7.5	0.22			30	20	5	45	-	1	10		90		25	90	45	75	5		50	45	60	40		25	75									riffle at d/s edge
																																								deer tracks 1 dead fish - trout? poor fish habitat
																																								pH 7.2 cond 0.23 mS/cm



Watercourse Crossings		Date: July 30/01	ID-No.: P-7
Site Survey Data		Time: 3:30 PM	
Location: P-7		Crew: Jackie + Ben	
Co-ordinates:		Weather: Sun 28°C	
Access: drive in road (beside 718 (Hwy 366) - corner to dead road (log bridge (beaver dam road))		Preferred Work Side:	
		Comments:	



Habitat in Alignment					
Species	Spawning	Rearing	Passage	Pool	Other
minnows	✓	✓	✓	None seen	
sunken	✓	✓	✓		
pps			✓		

Observations

Dominant bottom substrate:	Sandy mud	Structures present (size):	-
Potential for scouring:	low	Obstructions observed:	log jam (6m d/s)
Approach slopes:	very low	Contaminants observed:	manure, stain
Soil type along banks:	sandy mud	Significant d/s habitat features:	beaver dam
Approach soil:	" "	Land use:	wood lot
Bedrock:	not observed	Rec. fishery use observed:	no
Evidence of navigation:	-	Downstream water users:	Wrens
Evidence of water seep:	-		
Other comments:	minnows present in water at crossing		

Water Chemistry	T 25.8°C pH 7.2 cond 0.31 ms/cm	Other:	
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600 m d/s

Nova Scotia Stream Data Sheet

Stream Name:

Jackie Spry/Bev Smith

Start Point: 0 m (crossing)

Date: 30-Jul-04

Stream No.: P7

Stream Order:

End Point:

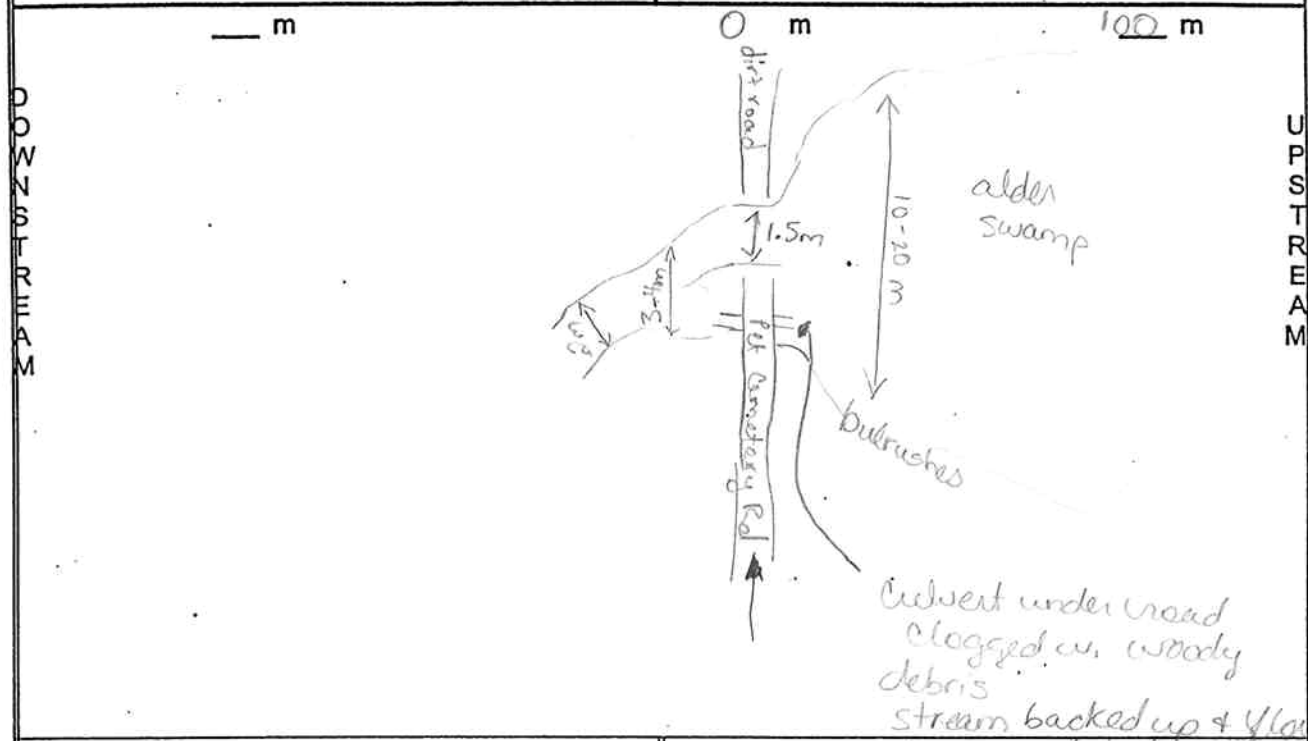
NTS Coord.: 413099, 5078875 (UTM)

Unit #	Unit Type	Stream Type	Chainage @unit end	Unit Length	Avg. W (m)	Avg. Depth Wet (m)	Substrate %						Emb.	Site %				% Under-Cut Bank	% Over-Hang Veg.	Large Woody Debris (m)	% Shade	Stream Banks							Pool Criteria			Pool Tail Criteria					Comments	
							Bd Rk	B	R	C	Gr	Sd		Fine	Riffle	Run	Flat					Pool	Vegetation				Erosion %			Depth (m)	Cover (%)	Stream (%)	Emb.	Median Substrate Size	Fines (%)	Length (m)		Turb. (%)
																							Bare (%)	Moss (%)	Grass (%)	Shrubs (%)	Trees (%)	Stb.	Br. Stb.									
							C	D																														
1	U	8	50	50	0.5	0.2						100	some	2		100																				meandering, marsh, minnows, moderate flow over mud		
2	D	8	50	50	0.5	0.4			15			85	-	1		100																				log jam 6 m D/S, fallen trees on banks and in stream very difficult to walk		
																																			minnow habitat marshy, flowing			
																																			a lot of deadwood in and around stream, especially D/S beaver dam ~ 600			
																																			pH 7.2 cond 0.31 mS/cm T 25.8 deg C			



Watercourse Crossings		Date: <u>Oct 21/04</u>	ID-No.: <u>N6</u>		
Site Survey Data		Time: <u>AM</u>			
Location: <u>N6</u>		Crew: <u>Jackie & Ben</u>			
Co-ordinates:		Weather: <u>Overcast, UV rain (periodic)</u>			
Access: <u>Road off main (Hwy 6) road near 2531 (Rhindrops), then followed ATV trail to swampy area & u/s</u>		Preferred Work Side: _____			
		Comments: _____			
100 m	0 m	50 m	UPSTREAM		
Habitat in Alignment					
Species	Spawning	Rearing	Passage	Pool	Other
Observations					
Dominant bottom substrate:	<u>mud</u>	Structures present (size):	_____		
Potential for scouring:	<u>low</u>	Obstructions observed:	_____		
Approach slopes:	<u>low</u>	Contaminants observed:	_____		
Soil type along banks:	<u>mud</u>	Significant d/s habitat features:	<u>marsh</u>		
Approach soil:	<u>mud/sand</u>	Land use:	<u>woodland</u>		
Bedrock:	<u>not observed</u>	Rec. fishery use observed:	_____		
Evidence of navigation:	<u>none</u>	Downstream water users:	_____		
Evidence of water seep:	<u>none</u>				
Other comments:					
Water Chemistry		pH <u>6.2</u>	Cond <u>0.195 mS/cm</u>		Other: _____

Watercourse Crossings		Date: <u>Sept 1/04</u>	ID-No.: <u>A-8</u>
Site Survey Data		Time: <u>2:20 PM</u>	
Location: <u>A-8</u>	Crew: <u>Scott + BW</u>		Weather: <u>Sunny 20°C</u>
Co-ordinates:	Access: <u>down Pet Cemetery Rd to stream crossing</u>		Preferred Work Side:
			Comments:



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Habitat in Alignment					
Species	Spawning	Rearing	Passage	Pool	Other

Observations

Dominant bottom substrate:	<u>muddy (some rock)</u>	Structures present (size):	<u>0.3m culvert under road</u>
Potential for scouring:	<u>no</u>	Obstructions observed:	<u>culvert filled w. debris on uls side</u>
Approach slopes:	<u>10% on uls</u>	Contaminants observed:	<u>—</u>
Soil type along banks:	<u>heavy veg.</u>	Significant d/s habitat features:	<u>La Planche Rr</u>
Approach soil:	<u>not observed</u>	Land use:	<u>residential (rural area)</u>
Bedrock:	<u>no</u>	Rec. fishery use observed:	<u>—</u>
Evidence of navigation:	<u>no</u>	Downstream water users:	<u>urban</u>
Evidence of water seep:	<u>sumpy area on either side</u>		
Other comments:	<u>minnows observed near road; air bubbles rising up muddy substrate on uls side (nitrogen methane?)</u>		

Water Chemistry	pH <u>7.0</u> <u>23.2°C</u>	Other:
	<u>Cond 0.38 mS/cm</u>	

