

Fish and fish habitat inventory projects by river or stream
Fish - inventory and assessment - projects

1997-09-16

OPR SO 5y SR

Sched: 100701

FISH, WILDLIFE, HA
ENVR-SKN04

FRBC RESOURCE INVENTORY PROGRAM

Reconnaissance (1:20,000 Scale) Fish and Fish Habitat Inventory in the Shea Creek Watershed

WSC: 460-600600-50800-00500-2830

Volume II

Appendix VIII: Reach Forms and Site Forms



TRITON

Environmental Consultants Ltd.

FRBC RESOURCE INVENTORY PROGRAM

**Reconnaissance (1:20,000 Scale)
Fish and Fish Habitat Inventory in
the Shea Creek Watershed**

WSC: 460-600600-50800-00500-2830

Volume II
Appendix VIII: Reach Forms and Site Forms

Prepared for:

Northwood Pulp and Timber Ltd.
P.O. Box 158
Houston, B.C., V0J 2N0

Prepared by:

Triton Environmental Consultants Ltd.
413 Campbell Street
Nanaimo B.C., V9R 3G8

June 1998



TRITON
Environmental Consultants Ltd.

PROJECT SUMMARY INFORMATION

Project Reference Information

FDIS Project Number:	06-BABL-3085-0001-1998
MELP Project or Contract Number:	CSK-3085
FRBC Project Number:	SB97063-IN
Name of subcontractors:	n/a
Project Manager:	Scott Northrup, R.P.Bio.
Field crew:	T. Walker, D. Lawes, E. Nyhof, S. Toth
Data entry by:	Tina Walker, David Lawes
Report prepared by:	Tina Walker
Report edited by:	Scott Northrup, R.P.Bio.
GIS analysis by:	Western Geographic Information Systems
Voucher speceis ID:	Gordon Haas
Water analysis by:	n/a
Fish aging by:	n/a

Watershed Information

Watershed Name:	Shea Creek
Watershed Code:	460-600600-50800-00500-2830
UTM at Mouth:	9.598320.6009659
Watershed Area:	19,510 ha (approx)
Total Stream Length:	317 km
Stream Order:	5
NTS Map No.'s:	93 L/3; 93 L/4; 93 L/5
TRIM Map No.'s.:	93L.022; 93L.023; 93L.033
Biogeoclimatic Zone:	SBS, ESSF, Atc
Aerial Photographs:	30BCC96049 No 116 - 30BCC96063 No. 026

Sampling Design Summary

Total Number of Reaches:	482
Total Sample Sites:	47
Random Sample Sites:	30
Discretionary Sites:	17
Field Sampling Dates:	September 16-21, 1997
Fish Species Captured During Survey:	CAS, CO, CT, DV, RB, RSC
Fish Species Present in Watershed:	CAS, CO, CT, DV, LNC, MW, RB, RSC, ST

Disclaimer

"The Province has not accepted the contents of this product for the purposes of the Forest Practices Code, and reserves the right to dispute the validity of summarized results. The province does not necessarily agree with the classification assigned to any individual stream reach, for use in logging plans, silviculture prescriptions or any other application."*

* Product refers to the information detailed in the following pages of this report.

Acknowledgements

Funding for this inventory was provided by Forest Renewal BC - a partnership of forest companies, workers, environmental groups, First Nations, communities and government. Forest Renewal BC funding - from stumpage fees and royalties that forest companies pay for the right to harvest timber on Crown lands - is reinvested in the forests, forest workers, and forest communities.

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Appendix IV	Project Plan
Appendix V	FDIS Reach/Site Summary
Appendix VI	Fish Data Collection Forms
Appendix VII	Photodocumentation Forms and Thumbnail Photographs
Appendix VIII	Reach Forms and Site Forms (Volume II)

LIST OF ATTACHMENTS AVAILABLE AT MELP REGIONAL OFFICE

1. Project Overview Map
2. Inventory Maps
3. Distribution Maps
4. Photograph CD
5. Indexed Slides
6. Voucher Specimens

APPENDIX VIII: REACH FORMS

FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00500-2830-0000-000-000-000-000-0

Reach # 3 ILP Map # 93L.023 ILP # 1439

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-000-000-000-000-000-000

WATERSHED							
Reach Watershed Code 460-600600-50800-00500-2830-0000-000-000-000-000-000							
ILP Map #	ILP #	Reach #	NID Map #	NID #	UTM (Zone/East/North/Method)		
93L.023	1439	3	93L.023	457			
Gazetted Name		Local Name		Sample Typ ☒ B			
		Shea Creek		Wetland ☐			

SURVEY INFO		
Date	1997/08/01	Agency
		C151
Grew	DL/EN	

ATTRIBUTES											
Length (km)	0.9	US Elev.		DISTURBANCE INDICATORS							
DS Elev.		Magnitude	396	O1	B1	B2	B3	D1	D2	D3	
Gradient	3	Order	4	C1	C2	C3	C4	C5	S1	S2	
BGC Zone	SBS								S3	S4	
									S5		
Setting	VF	Islands									
Open water	A	Bars	☐ N ☒ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR								
Confinement	FC	Mass Movement	L								
Coupling	DC	Riparian Veg.	M								
Valley/Fiat	B	C/D	C	Exposed/Eroded	N						
Channel Pattern	IM	Landuse	FR								

MAPS
AIR PHOTOS
FEATURES
PHOTOS
COMMENTS

FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00500-2830-0000-000-000-000-000-0

Reach # 16 ILP Map # 93L.023 ILP # 1439

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-000000-000000-0000-0000-000-000-000-000-0

WATERSHED							
Reach Watershed Code 460-600600-50800-00500-2830-0000-000-000-000-000-0							
ILP Map #	ILP #	Reach #	NID Map #	NID #	UTM (Zone/East/North/Method)		
93L.023	1439	16	93L.023	257			
Gazetted Name		Local Name			Sample Type ☒ B		
					Wetland ☐		

SURVEY INFO		
Date	1997/08/01	Agency C151
Crew	DL/EN	

ATTRIBUTES										
Length (km)	2.4	US Elev.		DISTURBANCE INDICATORS						
DS Elev.		Magnitude	166	O1	B1	B2	B3	D1	D2	D3
Gradient	3	Order	4	C1	C2	C3	C4	C5	S1	S2
BGC Zone	SBS								S3	S4
Setting	VF	Islands							S5	
Open water	A	Bars	☐ N ☒ D ☒ PT ☐ CS	☐ JN	☐ MC	☐ DM	☐ W	☐ NV	☐ TR	
Confinement	CO	Mass Movement	L							
Coupling	PC	Riparian Veg	M							
Valley Flat	B	C/D	C	Exposed/Eroded	N					
Channel Pattern	ME	Landuse	FR							

MAPS
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FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00500-2830-0000-000-000-000-000-0

Reach # 20 ILP Map # 93L.023 ILP # 1439

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000

WATERSHED	
Reach Watershed Code	460-600600-50800-00500-2830-0000-000-000-000-000-000
ILP Map #	93L.023
ILP #	1439
Reach #	20
NID Map #	93L.033
NID #	261
UTM (Zone/East/North/Method)	
Gazetted Name	
Local Name	Shea Creek
Sample Typ	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	DL/EN

ATTRIBUTES																																																													
Length (km)	0.8																																																												
US Elev.																																																													
DS Elev.																																																													
Magnitude	67																																																												
Gradient	2																																																												
Order	4																																																												
BGC Zone	SBS																																																												
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DISTURBANCE INDICATORS																																																													
O1	B1	B2	B3	D1	D2	D3	C1	C2	C3	C4	C5																																																		
S1	S2	S3	S4	S5																																																									
Setting	VF																																																												
Islands	F																																																												
Open water	A																																																												
Bars	N ☒ DI ☐ PT ☐ CS ☐ JN ☒ MC ☐ DM ☐ W ☐ NV ☐ TR																																																												
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Mass Movement	L																																																												
Coupling	PC																																																												
Riparian Veg.	M																																																												
Valley Flat	B																																																												
G/D	C																																																												
Exposed/Eroded	N																																																												
Channel Pattern	ME																																																												
Landuse	NO																																																												

MAPS
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FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00500-2830-0000-000-000-000-000-0

Reach # ILP Map # ILP #
24 93L.023 1439

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000

WATERSHED	
Reach Watershed Code	460-600600-50800-00500-2830-0000-000-000-000-000-000
ILP Map #	93L.023
ILP #	1439
Reach #	24
NID Map #	93L.033
NID #	74
UTM (Zone/East/North/Method)	
Gazetted Name	
Local Name	Shea Creek
Sample Typ	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	DL/EN

ATTRIBUTES																																																													
Length (km)	3.2																																																												
US Elev.																																																													
DS Elev.																																																													
Magnitude	100																																																												
Gradient	3																																																												
Order	4																																																												
BGC Zone	SBS																																																												
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O1	B1	B2	B3	D1	D2	D3	G1	G2	G3	G4	G5																																																		
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S1	S2	S3	S4	S5																																																									
☐	☐	☐	☐	☐																																																									
Setting	VW																																																												
Islands	N																																																												
Open water	A																																																												
Bars	☐ N ☒ D ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR																																																												
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Mass Movement	L																																																												
Coupling	CO																																																												
Riparian Veg.	C																																																												
Valley Flat	N																																																												
Exposed/Eroded	N																																																												
Channel Pattern	SI																																																												
Landuse	NO																																																												

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FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00500-2830-2561-000-000-000-000-0

Reach # 1 ILP Map # 93L.023 ILP # 1606

PROJECT

Project Name Northwood Pulp & Timber Project Code 06-BABL-3085-0001-1998
Stream Name (gaz.)
Project Watershed Code 460-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Reach Watershed Code 460-600600-50800-00500-2830-2561-000-000-000-000-000-000
ILP Map # 93L.023 ILP # 1606 Reach # 1 NID Map # 93L.023 NID # 453 UTM (Zone/East/North/Method)
Gazetted Name Local Name Sample Type B Wetland

SURVEY INFO

Date 1997/08/01 Agency C151 Crew ST/TW

ATTRIBUTES

Length (km) 1.2 US Elev. Magnitude 1 DISTURBANCE INDICATORS O1 B1 B2 B3 D1 D2 D3 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
DS Elev. Gradient 2 Order 1 BGC Zone SBS
Setting VF Islands N
Open water A Bars N DI PT CS JN MC DM W NV TR
Confinement UN Mass Movement L
Coupling DC Riparian Veg. C
Valley Flat B C/D C Exposed/Eroded N
Channel Pattern IM Landuse NO

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FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00500-2830-2715-000-000-000-000-000-0

Reach # 1 ILP Map # 93L.023 ILP # 1468

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-000-000-000-000-000-000-000-0

WATERSHED	
Reach Watershed Code	460-600600-50800-00500-2830-2715-000-000-000-000-000-000-0
ILP Map #	93L.023
ILP #	1468
Reach #	1
NID Map #	93L.023
NID #	451
UTM(Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Typ	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	ST/TW

ATTRIBUTES																																																			
Length (km)	0.4																																																		
US Elev.																																																			
DS Elev.																																																			
Magnitude	1																																																		
Gradient	5																																																		
Order	1																																																		
BGC Zone	SBS																																																		
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Bars	☒ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR																																																		
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MAPS

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FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00500-2830-2798-000-000-000-000-000-0

Reach # ILP Map # ILP #
2 93L.023 1469

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED	
Reach Watershed Code	460-600600-50800-00500-2830-2798-000-000-000-000-000-000
ILP Map #	93L.023
ILP #	1469
Reach #	2
NID Map #	93L.023
NID #	428
UTM (Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Type	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	ST/TW

ATTRIBUTES																																																													
Length (km)	0.4																																																												
US Elev																																																													
DS Elev																																																													
Magnitude																																																													
Gradient	7																																																												
Order	2																																																												
BGC Zone	SBS																																																												
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Islands	N																																																												
Open water	A																																																												
Bars	☒ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR																																																												
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Exposed/Eroded	N																																																												
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FDIS Reach Card

16-Jun-98

Watershed Code:

460-600600-50800-00000-0000-0000-000-000-000-000-0

Reach # 1 ILP Map # 93L.023 ILP # 1477

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gazi)	
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-000-0

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-0000-0000-000-000-000-000-000-000-0
ILP Map #	93L.023
ILP #	1477
Reach #	1
NID Map #	93L.023
NID #	421
UTM (Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Type	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	ST/TW

ATTRIBUTES																																																		
Length (km)	0.7																																																	
US Elev.																																																		
DS Elev.																																																		
Magnitude	1																																																	
Gradient	17																																																	
Order	1																																																	
BGC Zone	SBS																																																	
<table border="1"> <thead> <tr> <th colspan="15">DISTURBANCE INDICATORS</th> </tr> <tr> <th>O1</th> <th>B1</th> <th>B2</th> <th>B3</th> <th>D1</th> <th>D2</th> <th>D3</th> <th>C1</th> <th>C2</th> <th>C3</th> <th>C4</th> <th>C5</th> <th>S1</th> <th>S2</th> <th>S3</th> <th>S4</th> <th>S5</th> </tr> </thead> <tbody> <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> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </tbody> </table>		DISTURBANCE INDICATORS															O1	B1	B2	B3	D1	D2	D3	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
DISTURBANCE INDICATORS																																																		
O1	B1	B2	B3	D1	D2	D3	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																																		
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																		
Setting	VW																																																	
Islands	N																																																	
Open water	A																																																	
Bars	☒ N ☐ D ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR																																																	
Confinement	EN																																																	
Mass Movement	H																																																	
Coupling	PC																																																	
Riparian Veg.	C																																																	
Valley Flat	N																																																	
C/D	☐																																																	
Exposed/Eroded	N																																																	
Channel Pattern	ST																																																	
Landuse	FR																																																	

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FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-0000-0000-000-000-000-000-0

Reach # 1 ILP Map # 93L.023 ILP # 1480

PROJECT

Project Name	Northwood Pulp & Timber	Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)			
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-0		

WATERSHED

Reach Watershed Code							460-600600-50800-00000-0000-0000-000-000-000-000-0						
ILP Map #	ILP #	Reach #	NID Map #	NID #	UTM (Zone/East/North/Method)								
93L.023	1480	1	93L.023	351									
Gazetted Name			Local Name			Sample Type ☒ B							
						Wetland ☐							

SURVEY INFO

Date	1997/08/01	Agency	C151	Crew	S1/TW
------	------------	--------	------	------	-------

ATTRIBUTES

Length (km)	0.35	US Elev		DISTURBANCE INDICATORS																																													
DS Elev		Magnitude	3	<table><tr><td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td></tr><tr><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr><tr><td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td></tr><tr><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr></table>												O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																																											
☐	☐	☐	☐	☐	☐	☐																																											
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																																								
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																								
Gradient	11	Order	2	BGC Zone	SBS																																												
Setting	VW	Islands	N																																														
Open water	A	Bars	☒ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR																																														
Confinement	CO	Mass Movement	M																																														
Coupling	DC	Riparian Veg.	M																																														
Valley Flat	N	G/D	☐	Exposed/Eroded	N																																												
Channel Pattern	SI	Landuse	NO																																														

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Watershed Code

460-600600-50800-00000-00000-0000-000-000-000-000-000-0

Reach # 1 ILP Map # 93L.023 ILP # 1488

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-000-000-000-000-000-000-000-0

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-00000-0000-000-000-000-000-000-000-000-0
ILP Map #	93L.023
ILP #	1488
Reach #	1
NID Map #	93L.023
NID #	270
UTM(Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Typ	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	S17/W

ATTRIBUTES							
Length(km)	1						
US Elev.							
DS Elev.							
Magnitude	11						
Gradient	2						
Order	3						
BGC Zone	SBS						
<table border="1"> <thead> <tr> <th colspan="2">DISTURBANCE INDICATORS</th> </tr> </thead> <tbody> <tr> <td>O1</td> <td>B1 B2 B3 D1 D2 D3</td> </tr> <tr> <td>C1 C2 C3 C4 C5</td> <td>S1 S2 S3 S4 S5</td> </tr> </tbody> </table>		DISTURBANCE INDICATORS		O1	B1 B2 B3 D1 D2 D3	C1 C2 C3 C4 C5	S1 S2 S3 S4 S5
DISTURBANCE INDICATORS							
O1	B1 B2 B3 D1 D2 D3						
C1 C2 C3 C4 C5	S1 S2 S3 S4 S5						
Setting	VW						
Islands	N						
Open water	A						
Confinement	CO						
Coupling	DC						
Valley/Flat	B C/D D						
Channel Pattern	ME						
Bars	☒ N ☐ DI ☐ PT ☐ CS ☐ L ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR						
Mass Movement	L						
Riparian Veg.	C						
Exposed/Eroded	N						
Landuse	NO						

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FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-00000-000-000-000-000-000-0

Reach # ILP Map # ILP #
1 93L.023 1552

PROJECT

Project Name Northwood Pulp & Timber Project Code 06-BABL-3085-0001-1998
Stream Name (gaz.)
Project Watershed Code 460-000000-00000-00000-00000-000-000-000-000-000-000

WATERSHED

Reach Watershed Code 460-600600-50800-00000-00000-00000-000-000-000-000-000-000
ILP Map # 93L.023 ILP # 1552 Reach # 1 NID Map # 93L.023 NID # 247 UTM (Zone/East/North/Method)
Gazetted Name Local Name Sample Type B Wetland

SURVEY INFO

Date 1997/08/01 Agency C151 Crew ST/W

ATTRIBUTES

Length (km) 0.5 US Elev. DS Elev. Magnitude 1 Gradient 4 Order 1 BGC Zone SBS
DISTURBANCE INDICATORS IO1 B1 B2 B3 D1 D2 D3 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
Setting VW Islands N
Open water A Bars N D PT CS JN MC DM W NV TR
Confinement CO Mass Movement L
Coupling DC Riparian Veg. C
Valley Flat N C/D Exposed/Eroded N
Channel Pattern SI Landuse FR

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Watershed Code

460-600600-50800-00000-00000-000-000-000-000-000-0

Reach # 1 ILP Map # 93L.023 ILP # 1553

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-00000-000-000-000-000-000-000-0

WATERSHED						
Reach Watershed Code: 460-600600-50800-00000-00000-000-000-000-000-000-0						
ILP Map #	ILP #	Reach #	NID Map #	NID #	UTM (Zone/East/North/Method)	
93L.023	1553	1	93L.023	294		
Gazetted Name		Local Name			Sample Typ ☒ B	
					Wetland ☐	

SURVEY INFO		
Date	1997/08/01	Agency C151
Crew	S1/W	

ATTRIBUTES										
Length (km)	0.6	US Elev.		DISTURBANCE INDICATORS						
DS Elev.		Magnitude	1	O1	B1	B2	B3	D1	D2	D3
Gradient	12	Order	1	G1	G2	G3	G4	G5	S1	S2
BGC Zone	SBS			C1	C2	C3	C4	C5	S3	S4
Setting	VW	Islands	N							
Open water	A	Bars	☒ N ☐ DI ☐ PT ☐ GS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR							
Confinement	CO	Mass Movement	L							
Coupling	CO	Riparian Veg.	M							
Valley Flat	N	C/D	☐	Exposed/Eroded	N					
Channel Pattern	SI	Landuse	FR							

MAPS		
Map Type	Map #	Year
TRIM	93L.023	1994

AIR PHOTOS

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Section	Comments
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SURVEY INFORMATION proposed cutblock along right bank at top end of reach

FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-0000-0000-000-000-000-000-0

Reach # ILP Map # ILP #
2 93L.023 1554

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED						
Reach Watershed Code	460-600600-50800-00000-0000-0000-000-000-000-000-000					
ILP Map #	ILP #	Reach #	NID Map #	NID #	UTM (Zone/East/North/Method)	
93L.023	1554	2	93L.023	302		
Gazetted Name	Local Name		Sample Type ☐ B			
			Wetland ☐			

SURVEY INFO		
Date	1997/08/01	Agency
		C151
Crew	S1/W	

ATTRIBUTES										
Length (km)	2	US Elev.		DISTURBANCE INDICATORS						
DS Elev.		Magnitude	9	O1	B1	B2	B3	D1	D2	D3
Gradient	6	Order	3	C1	C2	C3	C4	C5	S1	S2
		BGC Zone	SBS						S3	S4
Setting	VW	Islands	N						S5	
Open water	A	Bars	☐ N ☐ DI ☐ PT ☐ CS ☐ JN ☒ MC ☐ DM ☒ W ☐ NV ☐ TR							
Confinement	EN	Mass Movement	L							
Coupling	PC	Riparian Veg.	C							
Valley Flat	B	C/D	D	Exposed/Eroded	N					
Channel Pattern	IR	Landuse	FR							

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FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-00000-000-000-000-000-000-0

Reach # ILP Map # ILP #
2 93L.023 1555

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-00000-000-000-000-000-000-000

WATERSHED						
Reach Watershed Code	460-600600-50800-00000-00000-000-000-000-000-000					
ILP Map #	ILP #	Reach #	NID Map #	NID #	UTM (Zone/East/North/Method)	
93L.023	1555	2	93L.023	297		
Gazetted Name	Local Name		Sample Type ☒ B			
				Wetland ☐		

SURVEY INFO		
Date	1997/08/01	Agency
		C151
Crew	DL/EN	

ATTRIBUTES										
Length (km)	1.5	US Elev.		DISTURBANCE INDICATORS						
DS Elev.		Magnitude	16	O1	B1	B2	B3	D1	D2	D3
Gradient	5	Order	2	C1	C2	C3	C4	C5	S1	S2
		BGC Zone	SBS						S3	S4
Setting	VW	Islands	N						S5	
Open water	A	Bars	☐ N ☒ D ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR							
Confinement	EN	Mass Movement	L							
Coupling	DC	Riparian Veg.	M							
Valley Flat	B	G/D	D	Exposed/Eroded	N					
Channel Pattern	SI	Landuse	OT							

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16-Jun-98

Watershed Code

460-600600-50800-00000-00000-000-000-000-000-000-0

Reach # 1 ILP Map # 93L.023 ILP # 1558

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-00000-000-000-000-000-000-000

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-00000-000-000-000-000-000-000
ILP Map #	93L.023
ILP #	1558
Reach #	1
NID Map #	93L.023
NID #	325
UTM (Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Typ	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	S7/TW

ATTRIBUTES							
Length (km)	1						
US Elev							
DS Elev							
Magnitude	1						
Gradient	8						
Order	1						
BGC Zone	SBS						
<table border="1"> <thead> <tr> <th colspan="2">DISTURBANCE INDICATORS</th> </tr> </thead> <tbody> <tr> <td>O1</td> <td>B1 B2 B3 D1 D2 D3</td> </tr> <tr> <td>C1 C2 C3 C4 C5</td> <td>S1 S2 S3 S4 S5</td> </tr> </tbody> </table>		DISTURBANCE INDICATORS		O1	B1 B2 B3 D1 D2 D3	C1 C2 C3 C4 C5	S1 S2 S3 S4 S5
DISTURBANCE INDICATORS							
O1	B1 B2 B3 D1 D2 D3						
C1 C2 C3 C4 C5	S1 S2 S3 S4 S5						
Setting	VW						
Islands	N						
Open water	A						
Bars	☒ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR						
Confinement	EN						
Mass Movement	M						
Coupling	CO						
Riparian Veg	C						
Valley Flat	N						
C/D							
Exposed/Eroded	N						
Channel Pattern	SI						
Landuse	FR						

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FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-00000-000-000-000-000-000-0

Reach # 1 ILP Map # 93L.023 ILP # 1561

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-000-000-000-000-000-000

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-00000-000-000-000-000-000-000
ILP Map #	93L.023
ILP #	1561
Reach #	1
NID Map #	93L.023
NID #	328
UTM (Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Typ	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Grew	DL/EN

ATTRIBUTES																																																			
Length (km)	1.2																																																		
US Elev.																																																			
DS Elev.																																																			
Magnitude	1																																																		
Gradient	10																																																		
Order	1																																																		
BGC Zone	SBS																																																		
<table border="1"> <thead> <tr> <th colspan="10">DISTURBANCE INDICATORS</th> </tr> <tr> <th>O1</th> <th>B1</th> <th>B2</th> <th>B3</th> <th>D1</th> <th>D2</th> <th>D3</th> <th>C1</th> <th>C2</th> <th>C3</th> </tr> </thead> <tbody> <tr> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <th>S1</th> <th>S2</th> <th>S3</th> <th>S4</th> <th>S5</th> <th>C4</th> <th>C5</th> <th>S1</th> <th>S2</th> <th>S3</th> </tr> <tr> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </tbody> </table>		DISTURBANCE INDICATORS										O1	B1	B2	B3	D1	D2	D3	C1	C2	C3	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	S1	S2	S3	S4	S5	C4	C5	S1	S2	S3	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
DISTURBANCE INDICATORS																																																			
O1	B1	B2	B3	D1	D2	D3	C1	C2	C3																																										
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																										
S1	S2	S3	S4	S5	C4	C5	S1	S2	S3																																										
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																										
Setting	VW																																																		
Islands	O																																																		
Open water	A																																																		
Bars	☐ N ☒ DI ☒ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR																																																		
Confinement	EN																																																		
Mass Movement	M																																																		
Coupling	DC																																																		
Riparian Veg.	M																																																		
Valley Flat	N																																																		
Exposed/Eroded	N																																																		
Channel Pattern	SI																																																		
Landuse	OT																																																		

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16-Jun-98

Watershed Code

460-600600-50800-00000-00000-000-000-000-000-000-0

Reach # 1 ILP Map # 93L.023 ILP # 1572

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-000-000-000-000-000-000

WATERSHED						
Reach Watershed Code 460-600600-50800-00000-00000-000-000-000-000-000-0						
ILP Map #	ILP #	Reach #	NID Map #	NID #	UTM(Zone/East/North/Method)	
93L.023	1572	1	93L.023	339		
Gazetted Name		Local Name			Sample Typ ☒ B	
					Wetland ☐	

SURVEY INFO		
Date	1997/08/01	Agency C151
Crew	S1/TW	

ATTRIBUTES										
Length (km)	0.8	US Elev.		DISTURBANCE INDICATORS						
DS Elev.		Magnitude	4	O1	B1	B2	B3	D1	D2	D3
Gradient	8	Order	2	C1	C2	C3	C4	C5	S1	S2
		BGC Zone	SBS						S3	S4
Setting	VW	Islands	N						S5	
Open water	A	Bars	☒ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR							
Confinement	EN	Mass Movement	L							
Coupling	DC	Riparian Veg.	C							
Valley Flat	N	Exposed/Eroded	N							
Channel Pattern	IM	Landuse	NO							

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Watershed Code

460-600600-50800-00000-0000-0000-000-000-000-000-0

Reach # ILP Map # ILP #
2 93L.023 1593

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-0

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-0000-0000-000-000-000-000-0
ILP Map #	93L.023
ILP #	1593
Reach #	2
NID Map #	93L.023
NID #	398
UTM(Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Typ	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	S1/TW

ATTRIBUTES																																																			
Length (km)	1.1																																																		
US Elev																																																			
DS Elev																																																			
Magnitude	2																																																		
Gradient	3																																																		
Order	2																																																		
BGC Zone	SBS																																																		
<table border="1"> <thead> <tr> <th colspan="10">DISTURBANCE INDICATORS</th> </tr> <tr> <th>O1</th> <th>B1</th> <th>B2</th> <th>B3</th> <th>D1</th> <th>D2</th> <th>D3</th> <th>C1</th> <th>C2</th> <th>C3</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <th>S1</th> <th>S2</th> <th>S3</th> <th>S4</th> <th>S5</th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		DISTURBANCE INDICATORS										O1	B1	B2	B3	D1	D2	D3	C1	C2	C3											S1	S2	S3	S4	S5															
DISTURBANCE INDICATORS																																																			
O1	B1	B2	B3	D1	D2	D3	C1	C2	C3																																										
S1	S2	S3	S4	S5																																															
Setting	VW																																																		
Islands	N																																																		
Open water	A																																																		
Bars	☒ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR																																																		
Confinement	FC																																																		
Mass Movement	L																																																		
Coupling	DC																																																		
Riparian Veg.	C																																																		
Valley Flat	B C/D D																																																		
Exposed/Eroded	N																																																		
Channel Pattern	IM																																																		
Landuse	NO																																																		

MAPS		
Map Type	Map #	Year
TRIM	93L.023	1994

AIR PHOTOS

FEATURES

PHOTOS

COMMENTS

FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-00000-0000-000-000-000-000-000-0

Reach # 3 ILP Map # 93L.023 ILP # 1593

PROJECT

Project Name Northwood Pulp & Timber Project Code 06-BABL-3085-0001-1998
Stream Name (gaz.)
Project Watershed Code 460-000000-00000-00000-0000-000-000-000-000-000-000-000-0

WATERSHED

Reach Watershed Code 460-600600-50800-00000-00000-0000-000-000-000-000-000-000-000-0
ILP Map # 93L.023 ILP # 1593 Reach # 3 NID Map # 93L.023 NID # 399 UTM(Zone/East/North/Method)
Gazetted Name Local Name Sample Typ B Wetland

SURVEY INFO

Date 1997/08/01 Agency C151 Crew ST/TW

ATTRIBUTES

Length (km) 1.2 US Elev. DS Elev. Magnitude 1 Gradient 4 Order 1 BGC Zone SBS
DISTURBANCE INDICATORS O1 B1 B2 B3 D1 D2 D3 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
Setting VW Islands N
Open water A Bars N DI PT CS JN MC DM W NV TR
Confinement CO Mass Movement L
Coupling DC Riparian Veg. G
Valley Flat B C/D C Exposed/Eroded N
Channel Pattern SI Landuse NO

MAPS

AIR PHOTOS

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COMMENTS

FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-0000-000-000-000-000-000-0

Reach # 1 ILP Map # 93L.023 ILP # 1595

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-000-000-000-000-000-000-000

WATERSHED						
Reach Watershed Code 460-600600-50800-00000-0000-000-000-000-000-000-000						
ILP Map #	ILP #	Reach #	NID Map #	NID #	UTM (Zone/East/North/Method)	
93L.023	1595	1	93L.023	390		
Gazetted Name	Local Name			Sample Type		
				B		
				Wetland		

SURVEY INFO		
Date	1997/08/01	Agency
		C151
Grew	S1/TW	

ATTRIBUTES											
Length (km)	1.6	US Elev.		DISTURBANCE INDICATORS							
DS Elev.		Magnitude	5	O1	B1	B2	B3	D1	D2	D3	
Gradient	3	Order	2	C1	C2	C3	C4	C5	S1	S2	
BGC Zone	SBS			S3	S4	S5					
Setting	VW	Islands	N								
Open water	A	Bars	N	DI	PT	CS	JN	MC	DM	W	
Confinement	OC	Mass Movement	L	NV	TR						
Coupling	PC	Riparian Veg.	C								
Valley Flat	N	C/D	N	Exposed/Eroded	N						
Channel Pattern	SI	Landuse	NO								

MAPS		
Map Type	Map #	Year
TRIM	93L.023	1994

AIR PHOTOS

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COMMENTS

FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-00000-0000-000-000-000-000-0

Reach # 2
ILP Map # 93L.023
ILP # 1595

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000

WATERSHED						
Reach Watershed Code 460-600600-50800-00000-00000-0000-000-000-000-000-000						
ILP Map #	ILP #	Reach #	NID Map #	NID #	UTM (Zone/East/North/Method)	
93L.023	1595	2	93L.023	391		
Gazetted Name		Local Name			Sample Typ. ☐ B	
					Wetland ☐	

SURVEY INFO		
Date	1997/08/01	Agency C151
Crew	ST/1W	

ATTRIBUTES										
Length (km)	1.7	US Elev.		DISTURBANCE INDICATORS						
DS Elev.		Magnitude	2	O1	B1	B2	B3	D1	D2	D3
Gradient	9	Order	2	C1	C2	C3	C4	C5	S1	S2
BGC Zone	SBS			S3	S4	S5				
Setting	VF	Islands	N							
Open water	A	Bars	☒ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR							
Confinement	EN	Mass Movement	L							
Coupling	PC	Riparian Veg.	C							
Valley Flat	N	C/D		Exposed/Eroded	N					
Channel Pattern	SI	Landuse	FR							

MAPS		
Map Type	Map #	Year
TRIM	93L.023	1994

AIR PHOTOS

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COMMENTS

Section	Comments
SAMPLING INFORMATION	proposed cutblock alongside reach

FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-0000-0000-000-000-000-000-0

Reach # 1 ILP Map # 93L.023 ILP # 1596

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-0

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-0000-0000-000-000-000-000-0
ILP Map #	93L.023
ILP #	1596
Reach #	1
NID Map #	93L.023
NID #	384
UTM(Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Type	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	ST/W

ATTRIBUTES							
Length (km)	0.7						
US Elev.							
DS Elev.							
Magnitude	1						
Gradient	6						
Order	1						
BGC Zone	SBS						
<table border="1"> <thead> <tr> <th colspan="2">DISTURBANCE INDICATORS</th> </tr> </thead> <tbody> <tr> <td>O1</td> <td>B1 B2 B3 D1 D2 D3</td> </tr> <tr> <td>C1 C2 C3 C4 C5 S1 S2 S3 S4 S5</td> <td></td> </tr> </tbody> </table>		DISTURBANCE INDICATORS		O1	B1 B2 B3 D1 D2 D3	C1 C2 C3 C4 C5 S1 S2 S3 S4 S5	
DISTURBANCE INDICATORS							
O1	B1 B2 B3 D1 D2 D3						
C1 C2 C3 C4 C5 S1 S2 S3 S4 S5							
Setting	VF						
Islands	N						
Open water	A						
Bars	☒ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR						
Confinement	CO						
Mass Movement	L						
Coupling	DC						
Riparian Veg.	C						
Valley Flat	N						
Exposed/Eroded	N						
Channel Pattern	SI						
Landuse	FR						

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FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-0000-0000-000-000-000-000-0

Reach # 1 ILP Map # 93L.023 ILP # 1597

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-0000-0000-000-000-000-000-000-000
ILP Map #	93L.023
ILP #	1597
Reach #	1
NID Map #	93L.023
NID #	388
UTM(Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Typ	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	S7/TW

ATTRIBUTES																																																		
Length (km)	0.9																																																	
US Elev.																																																		
DS Elev.																																																		
Magnitude	1																																																	
Gradient	13																																																	
Order	1																																																	
BGC Zone	SBS																																																	
<table border="1"> <thead> <tr> <th colspan="15">DISTURBANCE INDICATORS</th> </tr> <tr> <th>O1</th><th>B1</th><th>B2</th><th>B3</th><th>D1</th><th>D2</th><th>D3</th><th>C1</th><th>C2</th><th>C3</th><th>C4</th><th>C5</th><th>S1</th><th>S2</th><th>S3</th><th>S4</th><th>S5</th> </tr> </thead> <tbody> <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><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> </tbody> </table>		DISTURBANCE INDICATORS															O1	B1	B2	B3	D1	D2	D3	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
DISTURBANCE INDICATORS																																																		
O1	B1	B2	B3	D1	D2	D3	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																																		
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																		
Setting	VW																																																	
Islands	N																																																	
Open water	A																																																	
Bars	☒ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR																																																	
Confinement	EN																																																	
Mass Movement	M																																																	
Coupling	DC																																																	
Riparian Veg.	S																																																	
Valley Flat	N																																																	
Exposed/Eroded	N																																																	
Channel Pattern	ST																																																	
Landuse	FR																																																	

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16-Jun-98

Watershed Code

460-600600-50800-00000-00000-0000-000-000-000-000-000-0

Reach # 1 ILP Map # 93L.023 ILP # 1600

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-00000-0000-000-000-000-000-000-0

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-00000-0000-000-000-000-000-000-0
ILP Map #	93L.023
ILP #	1600
Reach #	1
NID Map #	93L.023
NID #	410
UTM(Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Typ	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	ST/TW

ATTRIBUTES																																													
Length (km)	0.2																																												
US Elev.																																													
DS Elev.																																													
Magnitude	1																																												
Gradient	20																																												
Order	1																																												
BGC Zone	SBS																																												
<table border="1"> <thead> <tr> <th colspan="10">DISTURBANCE INDICATORS</th> </tr> <tr> <th>01</th> <th>B1</th> <th>B2</th> <th>B3</th> <th>D1</th> <th>D2</th> <th>D3</th> <th>C1</th> <th>C2</th> <th>C3</th> <th>C4</th> <th>C5</th> <th>S1</th> <th>S2</th> <th>S3</th> <th>S4</th> <th>S5</th> </tr> </thead> <tbody> <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> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </tbody> </table>		DISTURBANCE INDICATORS										01	B1	B2	B3	D1	D2	D3	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
DISTURBANCE INDICATORS																																													
01	B1	B2	B3	D1	D2	D3	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																													
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																													
Setting	VW																																												
Islands	N																																												
Open water	A																																												
Bars	☒ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR																																												
Confinement	CO																																												
Mass Movement	H																																												
Coupling	DC																																												
Riparian Veg	C																																												
Valley/Flat	B C/D D																																												
Exposed/Eroded	N																																												
Channel Pattern	ST																																												
Landuse	FR																																												

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FDIS Reach Card

16-Jun-98

Watershed Code

Reach #	ILP Map #	ILP #
2	93L.023	1602

460-600600-50800-00000-0000-0000-000-000-000-000-000-0

PROJECT

Project Name	Northwood Pulp & Timber	Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)			
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-000		

WATERSHED

Reach Watershed Code		460-600600-50800-00000-0000-0000-000-000-000-000-000									
ILP/Map #	ILP #	Reach #	NID Map #	NID #	UTM (Zone/East/North/Method)						
93L.023	1602	2	93L.023	403							
Gazetted Name		Local Name			Sample Type						
					☒ B ☐ Wetland						

SURVEY INFO

Date	1997/08/01	Agency	C151	Crew	S1/TW
------	------------	--------	------	------	-------

ATTRIBUTES

Length (km)	1	US Elev.		DISTURBANCE INDICATORS											
DS Elev.		Magnitude	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Gradient	4	Order	1	BGC Zone	SBS	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Setting	VF	Islands	N
Open water	A	Bars	☒ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR
Confinement	CO	Mass Movement	L
Coupling	DC	Riparian Veg.	M
Valley Flat	B	C/D	C
Channel Pattern	SI	Exposed/Eroded	N
		Landuse	NO

MAPS

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FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-0000-0000-0000-0000-0000-0

Reach # 2 ILP Map # 93L.023 ILP # 1605

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-0000-0000-0000-0000-0000-0000-0

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-0000-0000-0000-0000-0000-0000-0
ILP Map #	93L.023
ILP #	1605
Reach #	2
NID Map #	93L.023
NID #	442
UTM (Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Typ	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	ST/TW

ATTRIBUTES							
Length (km)	1.2						
US Elev.							
DS Elev.							
Magnitude	1						
Gradient	2						
Order	1						
BGC Zone	SBS						
<table border="1"> <thead> <tr> <th colspan="2">DISTURBANCE INDICATORS</th> </tr> </thead> <tbody> <tr> <td>O1</td> <td>B1 B2 B3 D1 D2 D3</td> </tr> <tr> <td>C1 C2 C3 C4 C5 S1 S2 S3 S4 S5</td> <td></td> </tr> </tbody> </table>		DISTURBANCE INDICATORS		O1	B1 B2 B3 D1 D2 D3	C1 C2 C3 C4 C5 S1 S2 S3 S4 S5	
DISTURBANCE INDICATORS							
O1	B1 B2 B3 D1 D2 D3						
C1 C2 C3 C4 C5 S1 S2 S3 S4 S5							
Setting	VW						
Islands	N						
Open water	A						
Bars	☒ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR						
Confinement	FC						
Mass Movement	L						
Coupling	DC						
Riparian Veg.	S						
Valley Flat	B						
G/D	C						
Exposed/Eroded	V						
Channel Pattern	IM						
Landuse	FR						

MAPS		
Map Type	Map #	Year
TRIM	93L.023	1994

AIR PHOTOS	
Line	Number
30BCC9606	09
30BCC9606	10

FEATURES	
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PHOTOS	
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COMMENTS	
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Section	Comments
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SAMPLING INFORMATION reach runs through NSR block

FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-0000-0000-000-000-000-000-0

Reach # ILP Map # ILP #

1 93L.023 1606

PROJECT

Project Name Northwood Pulp & Timber Project Code 06-BABL-3085-0001-1998
Stream Name (gaz:)
Project Watershed Code 460-000000-00000-00000-0000-0000-000-000-000-000-000-0

WATERSHED

Reach Watershed Code 460-600600-50800-00000-0000-0000-000-000-000-000-000-0
ILP Map # 93L.023 ILP # 1606 Reach # 1 NID Map # 93L.023 NID # 453 UTM(Zone/East/North/Method)
Gazetted Name Local Name Sample Typ B Wetland

SURVEY INFO

Date 1997/08/01 Agency C151 Crew ST/TW

ATTRIBUTES

Length (km) 1.2 US Elev.
DS Elev.
Gradient 2 Order 1 BGC Zone SBS
DISTURBANCE INDICATORS O1 B1 B2 B3 D1 D2 D3
C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
Setting VF Islands N
Open water A Bars N DI PT CS JN MC DM W NV TR
Confinement UN Mass Movement L
Coupling DC Riparian Veg C
Valley Flat B C/D C Exposed/Eroded N
Channel Pattern IM Landuse NO

MAPS

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FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-00000-0000-000-000-000-000-000-0

Reach # 1 ILP Map # 93L.033 ILP # 1622

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-000-000-000-000-000-000-000-0

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-00000-0000-000-000-000-000-000-000-000-0
ILP Map #	93L.033
ILP #	1622
Reach #	1
NID Map #	93L.033
NID #	211
UTM (Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Typ	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	DL/EN

ATTRIBUTES							
Length (km)	0.9						
US Elev.							
DS Elev.							
Magnitude	7						
Gradient	13						
Order	3						
BGC Zone	SBS						
<table border="1"> <thead> <tr> <th colspan="2">DISTURBANCE INDICATORS</th> </tr> </thead> <tbody> <tr> <td>Q1</td> <td>B1 B2 B3 D1 D2 D3</td> </tr> <tr> <td>C1 C2 C3 C4 C5</td> <td>S1 S2 S3 S4 S5</td> </tr> </tbody> </table>		DISTURBANCE INDICATORS		Q1	B1 B2 B3 D1 D2 D3	C1 C2 C3 C4 C5	S1 S2 S3 S4 S5
DISTURBANCE INDICATORS							
Q1	B1 B2 B3 D1 D2 D3						
C1 C2 C3 C4 C5	S1 S2 S3 S4 S5						
Setting	VW						
Islands	N						
Open water	A						
Bars	☐ N ☒ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR						
Confinement	CO						
Mass Movement	L						
Coupling	DC						
Riparian Veg.	M						
Valley Flat	B C/D D						
Exposed/Eroded	N						
Channel Pattern	SI						
Landuse	FR						

MAPS	
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PHOTOS	
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FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-00000-0000-000-000-000-000-000-0

Reach # 1 ILP Map # 93L.033 ILP # 1630

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-00000-0000-000-000-000-000-000-000-0

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-00000-0000-000-000-000-000-000-000-0
ILP Map #	93L.033
ILP #	1630
Reach #	1
NID Map #	93L.033
NID #	186
UTM (Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Typ	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	DL/EN

ATTRIBUTES							
Length (km)	1.2						
US Elev.							
DS Elev.							
Magnitude	16						
Gradient	7						
Order	3						
BGC Zone	SBS						
<table border="1"> <thead> <tr> <th colspan="2">DISTURBANCE INDICATORS</th> </tr> </thead> <tbody> <tr> <td>O1</td> <td>B1 B2 B3 D1 D2 D3</td> </tr> <tr> <td>C1 C2 C3 C4 C5 S1 S2 S3 S4 S5</td> <td></td> </tr> </tbody> </table>		DISTURBANCE INDICATORS		O1	B1 B2 B3 D1 D2 D3	C1 C2 C3 C4 C5 S1 S2 S3 S4 S5	
DISTURBANCE INDICATORS							
O1	B1 B2 B3 D1 D2 D3						
C1 C2 C3 C4 C5 S1 S2 S3 S4 S5							
Setting	VW						
Islands	N						
Open water	A						
Bars	N DI PT CS JN MC DM W NV TR						
Confinement	EN						
Mass Movement	L						
Coupling	DC						
Riparian Veg.	M						
Valley Flat	N C/D						
Exposed/Eroded	N						
Channel Pattern	SI						
Landuse	FR						

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Watershed Code

460-600600-50800-00000-0000-0000-000-000-000-000-0

Reach # 2 ILP Map # 93L.033 ILP # 1630

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-0000-0000-000-000-000-000-000-000
ILP Map #	93L.033
ILP #	1630
Reach #	2
NID Map #	93L.033
NID #	187
UTM (Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Typ	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	DL/EN

ATTRIBUTES																																																			
Length (km)	0.9																																																		
US Elev.																																																			
DS Elev.																																																			
Magnitude	12																																																		
Gradient	6																																																		
Order	3																																																		
BGC Zone	SBS																																																		
<table border="1"> <thead> <tr> <th colspan="10">DISTURBANCE INDICATORS</th> </tr> <tr> <th>O1</th> <th>B1</th> <th>B2</th> <th>B3</th> <th>D1</th> <th>D2</th> <th>D3</th> <th>C1</th> <th>C2</th> <th>C3</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		DISTURBANCE INDICATORS										O1	B1	B2	B3	D1	D2	D3	C1	C2	C3																														
DISTURBANCE INDICATORS																																																			
O1	B1	B2	B3	D1	D2	D3	C1	C2	C3																																										
Setting	VW																																																		
Islands	N																																																		
Open water	A																																																		
Bars	☒ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MO ☐ DM ☐ W ☐ NV ☐ TR																																																		
Confinement	EN																																																		
Mass Movement	L																																																		
Coupling	CO																																																		
Riparian Veg.	M																																																		
Valley Flat	N																																																		
C/D	☐																																																		
Exposed/Eroded	N																																																		
Channel Pattern	SI																																																		
Landuse	NO																																																		

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Watershed Code

460-600600-50800-00000-0000-0000-000-000-000-000-0

Reach # ILP Map # ILP #
1 93L.033 1647

PROJECT

Project Name Northwood Pulp & Timber Project Code 06-BABL-3085-0001-1998
Stream Name (gaz.)
Project Watershed Code 460-000000-00000-00000-0000-0000-000-000-000-000-000

WATERSHED

Reach Watershed Code 460-600600-50800-00000-0000-0000-000-000-000-000-000
ILP Map # 93L.033 ILP # 1647 Reach # 1 NID Map # 93L.033 NID # 180 UTM(Zone/East/North/Method)
Gazetted Name Local Name Sample Type B Wetland

SURVEY INFO

Date 1997/08/01 Agency C151 Crew DL/EN

ATTRIBUTES

Length (km) 0.8 US Elev. DS Elev. Magnitude 1 Gradient 13 Order 1 BGC Zone SBS
DISTURBANCE INDICATORS O1 B1 B2 B3 D1 D2 D3 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
Setting VW Islands N
Open water A Bars N DI PT CS JN MC DM W NV TR
Confinement CO Mass Movement L
Coupling DC Riparian Veg M
Valley Flat B C/D D Exposed/Eroded N
Channel Pattern SI Landuse FR

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Watershed Code

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Reach # 1 ILP Map # 93L.033 ILP # 1648

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-0

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-0000-0000-000-000-000-000-000-0
ILP Map #	93L.033
ILP #	1648
Reach #	1
NID Map #	93L.033
NID #	179
UTM (Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Type	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	DL/EN

ATTRIBUTES																																																		
Length (km)	2.4																																																	
US Elev.																																																		
DS Elev.																																																		
Magnitude	1																																																	
Gradient	10																																																	
Order	1																																																	
BGC Zone	SBS																																																	
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DISTURBANCE INDICATORS																																																		
O1	B1	B2	B3	D1	D2	D3	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																																		
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																		
Setting	VW																																																	
Islands	N																																																	
Open water	A																																																	
Bars	☐ N ☒ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR																																																	
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Mass Movement	L																																																	
Coupling	PC																																																	
Riparian Veg.	C																																																	
Valley Flat	B																																																	
C/D	C																																																	
Exposed/Eroded	N																																																	
Channel Pattern	SI																																																	
Landuse	FR																																																	

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Watershed Code

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Reach # 1 ILP Map # 93L.033 ILP # 1649

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-000-000-000-000-000-000-000-0

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-00000-0000-000-000-000-000-000-000-000-0
ILP Map #	93L.033
ILP #	1649
Reach #	1
NID Map #	93L.033
NID #	176
UTM (Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Type	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	DL/EN

ATTRIBUTES																																																		
Length (km)	0.8																																																	
US Elev.																																																		
DS Elev.																																																		
Magnitude	2																																																	
Gradient	10																																																	
Order	2																																																	
BGC Zone	SBS																																																	
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DISTURBANCE INDICATORS																																																		
O1	B1	B2	B3	D1	D2	D3	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																																		
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																		
Setting	VW																																																	
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Exposed/Eroded	N																																																	
Channel Pattern	SI																																																	
Landuse	FR																																																	

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Reach # 1 ILP Map # 93L.033 ILP # 1654

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-0

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-0000-0000-000-000-000-000-000-0
ILP Map #	93L.033
ILP #	1654
Reach #	1
NID Map #	93L.033
NID #	132
UTM (Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Type	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	DL/EN

ATTRIBUTES																																																			
Length (km)	1.05																																																		
US Elev.																																																			
DS Elev.																																																			
Magnitude	5																																																		
Gradient	8																																																		
Order	2																																																		
BGC Zone	SBS																																																		
<table border="1"> <thead> <tr> <th colspan="10">DISTURBANCE INDICATORS</th> </tr> <tr> <th>O1</th> <th>B1</th> <th>B2</th> <th>B3</th> <th>D1</th> <th>D2</th> <th>D3</th> <th>C1</th> <th>C2</th> <th>C3</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <th>S1</th> <th>S2</th> <th>S3</th> <th>S4</th> <th>S5</th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		DISTURBANCE INDICATORS										O1	B1	B2	B3	D1	D2	D3	C1	C2	C3											S1	S2	S3	S4	S5															
DISTURBANCE INDICATORS																																																			
O1	B1	B2	B3	D1	D2	D3	C1	C2	C3																																										
S1	S2	S3	S4	S5																																															
Setting	VW																																																		
Islands	N																																																		
Open water	A																																																		
Bars	N ☒ DI ☐ PT ☐ CS ☐ JN ☒ MC ☐ DM ☐ W ☐ NV ☐ TR																																																		
Confinement	CO																																																		
Mass Movement	L																																																		
Coupling	DC																																																		
Riparian Veg.	M																																																		
Valley Flat	B C/D ☒ D																																																		
Exposed/Eroded	N																																																		
Channel Pattern	SI																																																		
Landuse	FR																																																		

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Reach # ILP Map # ILP #

2 93L.033 1659

PROJECT

Project Name Project Code
 Stream Name (gaz.)
 Project Watershed Code

WATERSHED

Reach Watershed Code
 ILP Map # ILP # Reach # NID Map # NID # UTM(Zone/East/North/Method)
 Gazetted Name Local Name Sample Typ
 Wetland ☐

SURVEY INFO

Date Agency Crew

ATTRIBUTES

Length (km) US Elev.
 DS Elev. Magnitude
 Gradient Order BGC Zone
DISTURBANCE INDICATORS
 O1 ☐ B1 ☐ B2 ☐ B3 ☐ D1 ☐ D2 ☐ D3 ☐
 C1 ☐ C2 ☐ C3 ☐ C4 ☐ C5 ☐ S1 ☐ S2 ☐ S3 ☐ S4 ☐ S5 ☐
 Setting Islands
 Open water Bars ☒ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR
 Confinement Mass Movement
 Coupling Riparian Veg
 Valley Flat C/D ☐ Exposed/Eroded
 Channel Pattern Landuse

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Watershed Code

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Reach # 1 ILP Map # 93L.033 ILP # 1683

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-0

WATERSHED							
Reach Watershed Code 460-600600-50800-00000-0000-0000-000-000-000-000-000-0							
ILP Map #	ILP #	Reach #	NID Map #	NID #	UTM (Zone/East/North/Method)		
93L.033	1683	1	93L.033	112			
Gazetted Name		Local Name			Sample Typ ☒ B		
					Wetland ☐		

SURVEY INFO		
Date	1997/08/01	Agency C151
Crew	DL/EN	

ATTRIBUTES										
Length (km)	1.1	US Elev		DISTURBANCE INDICATORS						
DS Elev		Magnitude	5	O1	B1	B2	B3	D1	D2	D3
Gradient	2	Order	2	C1	C2	C3	C4	C5	S1	S2
BGC Zone	SBS								S3	S4
Setting	VW	Islands	N							
Open water	A	Bars	☒ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR							
Confinement	EN	Mass Movement	L							
Goupling	PC	Riparian Veg.	C							
Valley Flat	N	C/D	☐	Exposed/Eroded	N					
Channel Pattern	SI	Landuse	FR							

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Reach # 1 ILP Map # 93L.033 ILP # 1691

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-0000-0000-000-000-000-000-000
ILP Map #	93L.033
ILP #	1691
Reach #	1
NID Map #	93L.033
NID #	100
UTM (Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Type	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	DL/EN

ATTRIBUTES	
Length (km)	0.7
US Elev.	
DS Elev.	
Magnitude	5
Gradient	14
Order	2
BGC Zone	SBS
DISTURBANCE INDICATORS	
O1 O2 O3 O4 O5 S1 S2 S3 S4 S5	
Setting	
VW	
Islands	
N	
Open water	
A	
Bars	
N DI PT CS JN MC DM W NV TR	
Confinement	
CO	
Mass Movement	
M	
Coupling	
PC	
Riparian Veg.	
C	
Valley Flat	
N C/D	
Exposed/Eroded	
N	
Channel Pattern	
SI	
Landuse	
FR	

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Watershed Code

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Reach # 3 ILP Map # 93L.033 ILP # 1697

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-00000-000-000-000-000-000-000-0

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-00000-000-000-000-000-000-000-0
ILP Map #	93L.033
ILP #	1697
Reach #	3
NID Map #	93L.033
NID #	264
UTM(Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Type	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	DL/EN

ATTRIBUTES																																																			
Length (km)	1																																																		
US Elev.																																																			
DS Elev.																																																			
Magnitude	6																																																		
Gradient	4																																																		
Order	2																																																		
BGC Zone	SBS																																																		
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DISTURBANCE INDICATORS																																																			
O1	B1	B2	B3	D1	D2	D3	C1	C2	C3																																										
S1	S2	S3	S4	S5																																															
Setting	VF																																																		
Islands	O																																																		
Open water	A																																																		
Bars	☒ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR																																																		
Confinement	CO																																																		
Mass Movement	L																																																		
Coupling	DC																																																		
Riparian Veg.	W																																																		
Valley Flat	B																																																		
G/D	C																																																		
Exposed/Eroded	N																																																		
Channel Pattern	ME																																																		
Landuse	FR																																																		

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FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-0000-0000-000-000-000-000-0

Reach # 1 ILP Map # 93L.033 ILP # 1698

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-0

WATERSHED						
Reach Watershed Code 460-600600-50800-00000-0000-0000-000-000-000-000-000-0						
ILP Map #	ILP #	Reach #	NID Map #	NID #	UTM (Zone/East/North/Method)	
93L.033	1698	1	93L.033	81		
Gazetted Name		Local Name			Sample Type ☒ B	
					Wetland ☐	

SURVEY INFO		
Date	1997/08/01	Agency C151
Grew	DL/EN	

ATTRIBUTES																																																			
Length (km) 0.8	US Elev.																																																		
DS Elev.	Magnitude 1																																																		
Gradient 13	Order 1																																																		
BGC Zone	SBS																																																		
<table border="1"> <thead> <tr> <th colspan="10">DISTURBANCE INDICATORS</th> </tr> <tr> <th>O1</th> <th>B1</th> <th>B2</th> <th>B3</th> <th>D1</th> <th>D2</th> <th>D3</th> <th>C1</th> <th>C2</th> <th>C3</th> </tr> </thead> <tbody> <tr> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <th>S1</th> <th>S2</th> <th>S3</th> <th>S4</th> <th>S5</th> <th colspan="5"></th> </tr> <tr> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td colspan="5"></td> </tr> </tbody> </table>		DISTURBANCE INDICATORS										O1	B1	B2	B3	D1	D2	D3	C1	C2	C3	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	S1	S2	S3	S4	S5						☐	☐	☐	☐	☐					
DISTURBANCE INDICATORS																																																			
O1	B1	B2	B3	D1	D2	D3	C1	C2	C3																																										
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																										
S1	S2	S3	S4	S5																																															
☐	☐	☐	☐	☐																																															
Setting VW	Islands N																																																		
Open water A	Bars ☒ N ☐ DI ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR																																																		
Confinement CO	Mass Movement M																																																		
Coupling CO	Riparian Veg. M																																																		
Valley Flat N C/D ☐	Exposed/Eroded N																																																		
Channel Pattern SI	Landuse FR																																																		

MAPS
AIR PHOTOS
FEATURES
PHOTOS
COMMENTS

FDIS Reach Card

16-Jun-98

Reach #	ILP Map #	ILP #
1	93L.033	1699

Watershed Code 460-600600-50800-00000-00000-000-000-000-000-000-0

PROJECT

Project Name	Northwood Pulp & Timber	Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)			
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000		

WATERSHED

Reach Watershed Code	460-600600-50800-00000-0000-0000-000-000-000-000-000
----------------------	--

ILP Map #	ILP #	Reach #	NID Map #	NID #	UTM(Zone/East/North/Method)
93L.033	1699	1	93L.033	82	

Gazetted Name	Local Name	Sample Type
		B ☐
		Wetland ☐

SURVEY INFO

Date	1997/08/01	Agency	C151	Crew	DL/EN
------	------------	--------	------	------	-------

ATTRIBUTES

[illegible]

Setting	VW	Islands	N
Open water	A	Bars	☒ N ☐ DI ☐ PT ☐ GS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR
Confinement	CO	Mass Movement	M
Coupling	DC	Riparian Veg.	C
Valley Flat	N	Exposed/Eroded	N
Channel Pattern	SI	Landuse	FR

MAPS

AIR PHOTOS

FEATURES

PHOTOS

COMMENTS

FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-00000-000-000-000-000-000-0

Reach # 1 ILP Map # 93L.033 ILP # 1702

PROJECT

Project Name Northwood Pulp & Timber Project Code 06-BABL-3085-0001-1998
Stream Name (gaz.)
Project Watershed Code 460-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED

Reach Watershed Code 460-600600-50800-00000-00000-0000-000-000-000-000-000-000
ILP Map # 93L.033 ILP # 1702 Reach # 1 NID Map # 93L.033 NID # 99 UTM (Zone/East/North/Method)
Gazetted Name Local Name Sample Type B Wetland

SURVEY INFO

Date 1997/08/01 Agency C151 Crew DL/EN

ATTRIBUTES

Length (km) 0.7 US Elev. DS Elev. Magnitude 1 Gradient 3 Order 1 BGC Zone SBS
DISTURBANCE INDICATORS O1 B1 B2 B3 D1 D2 D3 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
Setting VW Islands N
Open water A Bars N DI PT CS JN MC DM W NV TR
Confinement UN Mass Movement L
Coupling DC Riparian Veg. C
Valley Flat B C/D C Exposed/Eroded N
Channel Pattern SI Landuse FR

MAPS

AIR PHOTOS

FEATURES

PHOTOS

COMMENTS

FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-0000-0000-000-000-000-000-0

Reach # 1 ILP Map # 93L.033 ILP # 1703

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-0

WATERSHED							
Reach Watershed Code	460-600600-50800-00000-0000-0000-000-000-000-000-000-0						
ILP Map #	ILP #	Reach #	NID Map #	NID #	UTM(Zone/East/North/Method)		
93L.033	1703	1	93L.033	91			
Gazetted Name	Local Name		Sample Typ ☒ B				
				Wetland ☐			

SURVEY INFO		
Date	1997/08/01	Agency
Crew	DL/EN	

ATTRIBUTES																																																			
Length (km)	0.6																																																		
US Elev.																																																			
DS Elev.																																																			
Magnitude	2																																																		
Gradient	7																																																		
Order	2																																																		
BGC Zone	SBS																																																		
<table border="1"> <thead> <tr> <th colspan="10">DISTURBANCE INDICATORS</th> </tr> <tr> <th>O1</th> <th>B1</th> <th>B2</th> <th>B3</th> <th>D1</th> <th>D2</th> <th>D3</th> <th>C1</th> <th>C2</th> <th>C3</th> </tr> </thead> <tbody> <tr> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <th>S1</th> <th>S2</th> <th>S3</th> <th>S4</th> <th>S5</th> <th colspan="5"></th> </tr> <tr> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>☐</td> <td colspan="5"></td> </tr> </tbody> </table>		DISTURBANCE INDICATORS										O1	B1	B2	B3	D1	D2	D3	C1	C2	C3	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	S1	S2	S3	S4	S5						☐	☐	☐	☐	☐					
DISTURBANCE INDICATORS																																																			
O1	B1	B2	B3	D1	D2	D3	C1	C2	C3																																										
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																										
S1	S2	S3	S4	S5																																															
☐	☐	☐	☐	☐																																															
Setting	VW																																																		
Islands	I																																																		
Open water	A																																																		
Bars	☐ N ☒ DJ ☐ PT ☐ CS ☐ JN ☐ MC ☐ DM ☐ W ☐ NV ☐ TR																																																		
Confinement	UN																																																		
Mass Movement	L																																																		
Coupling	PC																																																		
Riparian Veg.	C																																																		
Valley Flat	B																																																		
C/D	D																																																		
Exposed/Eroded	N																																																		
Channel Pattern	SI																																																		
Landuse	FR																																																		

MAPS
AIR PHOTOS
FEATURES
PHOTOS
COMMENTS

FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-00000-000-000-000-000-000-0

Reach # 1 ILP Map # 93L.033 ILP # 1709

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-00000-00000-000-000-000-000-000-0

WATERSHED	
Reach Watershed Code	460-600600-50800-00000-00000-00000-000-000-000-000-000-0
ILP Map #	93L.033
ILP #	1709
Reach #	1
NID Map #	93L.033
NID #	227
UTM(Zone/East/North/Method)	
Gazetted Name	
Local Name	
Sample Typ	B
Wetland	

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	DL/EN

ATTRIBUTES	
Length (km)	0.7
US Elev.	
DS Elev.	
Magnitude	10
Gradient	13
Order	2
BGC Zone	SBS
DISTURBANCE INDICATORS	
O1	B1 B2 B3 D1 D2 D3
C1 C2 C3 C4 C5	S1 S2 S3 S4 S5
Setting	VW
Islands	N
Open water	A
Confinement	EN
Coupling	PC
Valley Flat	N
Channel Pattern	SI
Bars	N DI PT CS JN MC DM W NV TR
Mass Movement	M
Riparian Veg.	C
Exposed/Eroded	N
Landuse	NO

MAPS	
AIR PHOTOS	
FEATURES	
PHOTOS	
COMMENTS	

FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-00000-000-000-000-000-000-0

Reach # 1 ILP Map # 93L.033 ILP # 1712

PROJECT

Project Name Northwood Pulp & Timber Project Code 06-BABL-3085-0001-1998
Stream Name (gaz.)
Project Watershed Code 460-000000-00000-00000-00000-000-000-000-000-000-000-0

WATERSHED

Reach Watershed Code 460-600600-50800-00000-00000-000-000-000-000-000-000-0
ILP Map # 93L.033 ILP # 1712 Reach # 1 NID Map # 93L.033 NID # 77 UTM (Zone/East/North/Method)
Gazetted Name Local Name Sample Typ B Wetland

SURVEY INFO

Date: 1997/08/01 Agency C151 Crew DL/EN

ATTRIBUTES

Length (km) 0.75 US Elev. DS Elev. Magnitude 2 Gradient 15 Order 2 BGC Zone SBS
DISTURBANCE INDICATORS O1 B1 B2 B3 D1 D2 D3 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
Setting VW Islands Open water A Bars N DI PT CS JN MC DM W NV TR
Confinement CO Mass Movement M Coupling CO Riparian Veg. M Valley Flat N C/D Exposed/Eroded N Channel Pattern SI Landuse NO

MAPS

AIR PHOTOS

FEATURES

PHOTOS

COMMENTS

FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-00000-000-000-000-000-000-0

Reach # 1 ILP Map # 93L.033 ILP # 1714

PROJECT

Project Name Northwood Pulp & Timber Project Code 06-BABL-3085-0001-1998
Stream Name (gaz.)
Project Watershed Code 460-000000-00000-00000-00000-000-000-000-000-000-000

WATERSHED

Reach Watershed Code 460-600600-50800-00000-00000-000-000-000-000-000-000
ILP Map # 93L.033 ILP # 1714 Reach # 1 NID Map # 93L.033 NID # 88 UTM (Zone/East/North/Method)
Gazetted Name Local Name Sample Type B Wetland

SURVEY INFO

Date 1997/08/01 Agency C151 Crew DL/EN

ATTRIBUTES

Length (km) 0.4 US Elev. DS Elev. Magnitude 1 Gradient 20 Order 1 BGC Zone SBS
DISTURBANCE INDICATORS O1 B1 B2 B3 D1 D2 D3 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
Setting VW Islands Open water A Bars N DI PT CS JN MC DM W NV TR
Confinement CO Mass Movement H Coupling PC Riparian Veg. M Valley Flat N C/D Exposed/Eroded N Channel Pattern SI Landuse FR

MAPS

AIR PHOTOS

FEATURES

PHOTOS

COMMENTS

FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00000-0000-0000-000-000-000-000-0

Reach # ILP Map # ILP #
3 93L.033 1717

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-0

WATERSHED					
Reach Watershed Code	460-600600-50800-00000-0000-0000-000-000-000-000-0				
ILP Map #	ILP #	Reach #	NID Map #	NID #	UTM (Zone/East/North/Method)
93L.033	1717	3	93L.033	61	
Gazetted Name	Local Name	Sample Type	Wetland		
		B			

SURVEY INFO	
Date	1997/08/01
Agency	C151
Crew	DL/EN

ATTRIBUTES	
Length (km)	0.9
US Elev.	
DS Elev.	
Magnitude	1
Gradient	7
Order	1
BGC Zone	SBS
DISTURBANCE INDICATORS	
O1	B1 B2 B3 D1 D2 D3
C1 C2 C3 C4 C5 S1 S2 S3 S4 S5	
Setting	MP
Islands	N
Open water	A
Bars	N DI PT CS JN MC DM W NV TR
Confinement	EN
Mass Movement	M
Coupling	CO
Riparian Veg.	C
Valley Flat	N C/D
Exposed/Eroded	N
Channel Pattern	ST
Landuse	NO

MAPS	
AIR PHOTOS	
FEATURES	
PHOTOS	
COMMENTS	

FDIS Reach Card

16-Jun-98

Watershed Code

460-600600-50800-00500-2830-6320-000-000-000-000-0

Reach # 1
ILP Map # 93L.033
ILP # 1758

PROJECT

Project Name Northwood Pulp & Timber Project Code 06-BABL-3085-0001-1998
Stream Name (gaz.)
Project Watershed Code 460-000000-00000-00000-0000-0000-000-000-000-000-000

WATERSHED

Reach Watershed Code 460-600600-50800-00500-2830-6320-000-000-000-000-000-000
ILP Map # 93L.033 ILP # 1758 Reach # 1 NID Map # 93L.033 NID # 5000 UTM(Zone/East/North/Method)
Gazetted Name Local Name Sample Typ B Wetland

SURVEY INFO

Date 1997/08/01 Agency C151 Crew DL/EN

ATTRIBUTES

Length (km) 1.2 US Elev. DS Elev. Magnitude 64
Gradient 5 Order 4 BGC Zone SBS
DISTURBANCE INDICATORS O1 B1 B2 B3 D1 D2 D3 C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
Setting VW Islands N
Open water A Bars N DI PT CS JN MC DM W NV TR
Confinement CO Mass Movement L
Coupling CO Riparian Veg. M
Valley Flat C/D N Exposed/Eroded N
Channel Pattern IR Landuse NO

MAPS

Map Type Map # Year
TRIM 93L.033 1994

AIR PHOTOS

FEATURES

PHOTOS

COMMENTS

END OF REPOR

APPENDIX VIII: SITE CARDS

Site Card

16-Jun-98

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	BULKLEY RIVER
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000

WATERSHED	
Gazetted Name	
Local Name	Shea Creek
Watershed Code	460-600600-50800-00500-2830-0000-000-000-000-000-000
ILP	1439
Map	93L.023
Reach #	3

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
208	1088	93L.023		250	GE	V4	☒
Date	1997/09/16	Time	14:45	Agency	C151	Crew	DL/EN

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)	MS	18.3	20.2	17.3	19.1	20.1	17.3	18.4	
Wetted Width (m)	MS	7.2	9.4	8.4	7.6	8.4	8.6	9.1	
Pool Depth (m)	MS	1.0	0.7	0.8	0.7	1.3	0.7	0.5	
grad		grad		method					
Method I	1.0	2.0	C						
Method II			C						
Wb Depth		0.4		0.5		0.5			
Stage		☒ L		☐ M		☐ H			
No Vis.Ch.		☐		Intermittent		☐			
Dw		☐		Trib.		☐			

WATER	
FLOOD SIGNS	
Req #	
EMS	
Cond.	40
Method:	S3
Turb.	☐ T ☐ M ☒ L ☐ C
Method:	GE
Temp.	11
Method:	T4
pH	7.8
Method:	P3

COVER	
COVER	Total 30 %
SWD	10
LWD	30
B	10
C	20
DP	15
OV	10
IV	5
CROWN CLOSURE	
1	1-20%
LWD	F
DIST	C
INTREAM VEG	☐ N ☐ A ☐ M ☐ V

Site Card

16-Jun-98

LB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																											
BED MATERIAL Dominant: C Subdom: G D95: 50 D (cm): 50 Morph: RP	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>S3</td><td>S4</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>☐</td><td>☐</td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐						S3	S4						☐	☐
O1	B1	B2	B3	D1	D2	D3																																					
☐	☐	☐	☐	☐	☐	☐																																					
C1	C2	C3	C4	C5	S1	S2																																					
☐	☐	☐	☐	☐	☐	☐																																					
					S3	S4																																					
					☐	☐																																					
Pattern IR Islands I Bars ☐ N ☒ D ☒ P ☐ M ☐ T ☐ L Coupling DC Confinement OC																																											

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
-----	-------------------------------	-----------------------------	-----------------------------	----------------------------------	--------------------------------

PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 18	F	11	ST	U gravel bar
R 18	F	12	ST	D riparian vegetation and bar

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	CO	
Spawning Habitat	P	G	CO	
OverWinter Habitat	P	G	CO	excellent off-channel
Cover	P	G	CO	
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	excellent channel complexity
COVER	all types of habitat present

Site Card

16-Jun-98

PROJECT									
Project Name	Northwood Pulp & Timber					Project Code	06-BABL-3085-0001-1998		
Stream Name (gaz.)	BULKLEY RIVER								
Project Watershed Code	460-000000-00000-00000-0000-000-000-000-000-000-000								

WATERSHED									
Gazetted Name					Local Name	Shea Creek			
Watershed Code	460-600600-50800-00500-2830-0000-000-000-000-000-000								
ILP	1439	Map	93L.023	Reach #	24				

Site #	NID	Map	UTM(Zone/East/North/Method)			Site Lg	Method	Access	Fish Crd?	
210	1090	93L.033				250	GE	H	☒	
Date	1997/09/19		Time	17:10		Agency	C151		Crew	DL/EN

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)	MS	16.4	16.2	18.1	13.1	15.2	16.1		
Wetted Width (m)	MS	8.1	7.6	7.2	7.5	9.1	10.1		
Pool Depth (m)	MS	2.0	1.8	1.2	1.0	1.5	1.9		

	grad	grad	method
Method I	4.0	4.0	C
Method II			C

Wb Depth	1.2	1.7	2
Stage	☒ L	☐ M	☐ H
No Vis.Ch.	☐	Intermittent ☐	
Dw	☐	Tribes. ☐	

WATER									
FLOOD SIGNS					Req #				
NONE					EMS				
Temp.	8	Method:	T4		Cond.	40	Method:	S3	
pH	7.7	Method:	P3		Turb.	☐ T ☐ M ☐ L ☒ G	Method:	GE	

COVER									
COVER							Total	40	%
SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE		
10	30	30	10	15	5		1 1-20%		
LWD	F						INTREAM VEG ☐ N ☒ A ☐ M ☐ V		
DIST	E								

Site Card

16-Jun-98

LB SHP V	RIP M
Texture ☐ F ☐ G ☐ C ☐ B ☒ R ☐ A	STG MF
RB SHP V	RIP M
Texture ☐ F ☐ G ☐ C ☐ B ☒ R ☐ A	STG MF

MORPHOLOGY	
BED MATERIAL Dominant: NS Subdom: ☐	DISTURBANCE INDICATORS
D95: 50 D (cm): 20 Morph: NS	O1 ☐ B1 ☐ B2 ☒ B3 ☐ D1 ☐ D2 ☒ D3 ☐
	C1 ☐ C2 ☐ C3 ☐ C4 ☐ C5 ☐ S1 ☐ S2 ☐ S3 ☐ S4 ☐ S5 ☐
Pattern ST	
Islands N	
Bars ☐ N ☒ D ☐ P ☐ M ☐ T ☐ L	
Coupling CO	
Confinement EN	

FEATURE

NID Number: 3062	NID Map #: 93L.033
TYPE: LS Height:	Method: GE Length: Method: GE
Roll #: 19 Frame #: 12	Comment: eroding bank 100 m upstream of confluence
UTM (zone/easting/northing)	Method NS

NID Number: 3063	NID Map #: 93L.033
TYPE: X Height:	Method: GE Length: Method: GE
Roll #: 19 Frame #: 14	Comment: LWD accumulation
UTM (zone/easting/northing)	Method NS

FSZ ☐	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo		Foc	Lg	Dir	Comments
R 19	F	11	ST	U	rifle with large boulders
R 19	F	12	ST	X	eroding bank on left bank
R 19	F	13	ST	D	LWD and boulders
R 19	F	14	ST	D	LWD accumulation

HABITAT QUALITY

Site Card

16-Jun-98

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	DC/CT	
Spawning Habitat	P	G	DV/CT	
OverWinter Habitat	P	F	DV/CT	
Cover	P	G	DV/CT	
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	eroding banks
CHANNEL	excellent boulder riffle type habitat
CHANNEL	LWD and bedload accumulation as creek hits Shea mainstem
MORPHOLOGY	no D95 or D recorded on field card

16-Jun-98

PROJECT										
Project Name		Northwood Pulp & Timber				Project Code		06-BABL-3085-0001-1998		
Stream Name (gaz.)		BULKLEY RIVER								
Project Watershed Code		460-000000-00000-00000-0000-0000-000-000-000-000-000								
WATERSHED										
Gazetted Name				Local Name		Shea Creek				
Watershed Code		460-600600-50800-00500-2830-0000-000-000-000-000-000								
ILP		1439		Map		93L.023		Reach # 20		
Site #	NID	Map	UTM(Zone/East/North/Method)			Site Lg	Method	Access	Fish Crd?	
219	1099	93L.033				200	GE	H	☒	
Date		1997/09/19		Time		15:49		Agency		C151
								Crew		DL/EN
CHANNEL										
		method	width	width	width	width	width	width	width	
Channel Width (m)		MS	11.3	13.3	15.2	9.5	14.1	16.1	10.4	
Wetted Width (m)		MS	9.6	10.1	9.4	9.5	8.7	7.9	8.7	
Pool Depth (m)		MS	1.2	2.0	1.0	0.9	1.4	1.0	1.6	
		grad	grad	method						
Method I		2.0	3.0	C						
Method II				C						
		Wb Depth		0.5		0.5		0.7		
		Stage		☒ L		☐ M		☐ H		
		No Vis.Ch.		☐		Intermittent		☐		
		Dw		☐		Tribes.		☐		
WATER										
FLOOD SIGNS				Method:		GE				
Temp.				Method:		T4				
pH				Method:		P3				
		Req #				EMS				
		Cond.				Method:		S3		
		Turb.		☐ T ☐ M ☒ L ☐ C		Method:		GE		
COVER										
COVER		Total		30		%				
SWD	LWD	B	C	DP	OV	IV				
5	25	5	20	25	10	10				
		CROWN CLOSURE		1		1-20%				
LWD		F		INTREAM VEG		☐ N ☒ A ☒ M ☒ V				
DIST		E								

Site Card

16-Jun-98

LB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																											
BED MATERIAL Dominant: C Subdom: G D95: 40 D (cm): 35 Morph: RP	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>S3</td><td>S4</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>☐</td><td>☐</td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐						S3	S4						☐	☐
O1	B1	B2	B3	D1	D2	D3																																					
☐	☐	☐	☐	☐	☐	☐																																					
C1	C2	C3	C4	C5	S1	S2																																					
☐	☐	☐	☐	☐	☐	☐																																					
					S3	S4																																					
					☐	☐																																					
Pattern IM Islands F Bars ☐ N ☐ D ☐ P ☒ M ☐ T ☐ L Coupling PC Confinement OC																																											

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 19	F	6	ST	U log jam and typical riffle
R 19	F	7	ST	D riffle (DL)

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	DV/CT	
Spawning Habitat	P	G	DV/CT	
OverWinter Habitat	P	F	DV/CT	
Cover	P	G	DV/CT	
Other				

WILDLIFE

Group	Observations
FISH	heavy Dolly Varden population/m2

COMMENT

Section	Comments
CHANNEL	no reason why fish not present upstream
CHANNEL	extensive braiding through this reach

Site Card

16-Jun-98

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	BULKLEY RIVER
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED	
Gazetted Name	
Local Name	Shea Creek
Watershed Code	460-600600-50800-00500-2830-0000-000-000-000-000-000-000
ILP	1439
Map	93L.023
Reach #	16

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
227	1107	93L.033		200	GE	H	☒
Date	1997/09/21	Time	11:06	Agency	C151	Crew	DL/EN

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)	MS	13.0	15.1	14.2	15.1	12.1	11.1		
Wetted Width (m)	MS	11.1	6.8	7.1	10.4	10.4	9.4		
Pool Depth (m)	MS	1.0	0.8	0.6	0.9	0.7	0.6		
grad			grad		method				
Method I	2.0	2.0	C						
Method II	3.0	3.0	C						
Wb Depth			0.8		0.6		0.8		
Stage			☒ L		☐ M		☐ H		
No Vis.Ch.			☐		Intermittent ☐				
Dw			☐		Tribes. ☐				

WATER	
FLOOD SIGNS	
Method:	GE
Temp.	7
Method:	T4
pH	8.1
Method:	P3
Req #	
EMS	
Cond.	30
Method:	S3
Turb.	☐ T ☐ M ☒ L ☐ C
Method:	GE

COVER	
COVER	Total 30 %
SWD	10
LWD	30
B	15
C	25
DP	10
OV	5
IV	5
CROWN CLOSURE	
1	1-20%
LWD	F
DIST	C
INTREAM VEG	☐ N ☒ A ☐ M ☒ V

Site Card

16-Jun-98

LB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☒ B ☐ R ☐ A	STG MF
RB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☒ B ☐ R ☐ A	STG MF

MORPHOLOGY																																											
BED MATERIAL Dominant: C Subdom: B D95: 53 D(cm): 35 Morph: RP	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>S3</td><td>S4</td><td>S5</td><td colspan="4"></td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td colspan="4"></td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐	S3	S4	S5					☐	☐	☐				
O1	B1	B2	B3	D1	D2	D3																																					
☐	☐	☐	☐	☐	☐	☐																																					
C1	C2	C3	C4	C5	S1	S2																																					
☐	☐	☐	☐	☐	☐	☐																																					
S3	S4	S5																																									
☐	☐	☐																																									
Pattern IM Islands I Bars ☐ N ☒ D ☒ P ☐ M ☐ T ☐ L Coupling PC Confinement OC																																											

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 20	F	16	ST	U gravel bar/ typical riffle
R 20	F	17	ST	D boulder bar/Lwd typical in reach

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	DV/CT	
Spawning Habitat	P	G	DV/CT	
OverWinter Habitat	P	F	DV/CT	
Cover	P	G	DV/CT	
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	excellent gravel separation, sorting creates nice spawning areas

16-Jun-98

PROJECT									
Project Name		Northwood Pulp & Timber				Project Code		06-BABL-3085-0001-1998	
Stream Name (gaz.)		BULKLEY RIVER							
Project Watershed Code		460-000000-00000-00000-0000-0000-000-000-000-000-000							
WATERSHED									
Gazetted Name						Local Name			
Watershed Code		460-600600-50800-00500-2830-0000-000-000-000-000-000							
ILP	1758	Map	93L.033		Reach #	1			
Site #	NID	Map	UTM(Zone/East/North/Method)			Site Lg	Method	Access	Fish Crd?
233	1115	93L.033				100	GE	H	☒
Date	1997/09/20		Time	09:08		Agency	C151		Crew
CHANNEL									
		method	width	width	width	width	width	width	width
Channel Width (m)		MS	14.7	15.2	16.1	13.1	12.7	12.9	
Wetted Width (m)		MS	4.8	5.6	7.2	5.1	4.8	5.7	
Pool Depth (m)		MS	0.6	0.7	0.5	1.0	0.5	0.6	
		grad	grad	method					
Method I		5.0	5.0	C					
Method II				C					
		Wb Depth		0.3	0.4	0.4			
		Stage		☒ L	☐ M	☐ H			
		No Vis.Ch.		☐		Intermittent ☐			
		Dw		☐		Tribes. ☐			
WATER									
FLOOD SIGNS				Method:		GE		Req #	
Temp:		5.5		Method:		T4		EMS	
pH		7.8		Method:		P3		Cond: 10 Method: S3	
								Turb. ☐ T ☐ M ☐ L ☒ C Method: GE	
COVER									
COVER		Total		25		%		CROWN CLOSURE	
SWD	LWD	B	G	DP	OV	IV		1 1-20%	
20	60	5	15						
LWD	F		INTREAM VEG		☐ N ☒ A ☐ M ☐ V				
DIST	E								

Site Card

16-Jun-98

LB SHP V	RIP M
Texture ☐ F ☒ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP V	RIP M
Texture ☐ F ☒ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																											
BED MATERIAL Dominant: C Subdom: B D95: 120 D (cm): 45 Morph: CP	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td></tr> <tr> <td>☐</td><td>☐</td><td>☒</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td></tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr> <tr> <td>S3</td><td>S4</td><td>S5</td><td colspan="4"></td></tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td colspan="4"></td></tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☒	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐	S3	S4	S5					☐	☐	☐				
O1	B1	B2	B3	D1	D2	D3																																					
☐	☐	☒	☐	☐	☐	☐																																					
C1	C2	C3	C4	C5	S1	S2																																					
☐	☐	☐	☐	☐	☐	☐																																					
S3	S4	S5																																									
☐	☐	☐																																									
Pattern SI Islands O Bars ☐ N ☒ D ☐ P ☐ M ☐ T ☐ L Coupling CO Confinement CO																																											

FEATURE

NID Number: NID Map #:
 TYPE: Height: Method: Length: Method:
 Roll #: Frame #: Comment:
 UTM (zone/easting/northing) Method

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 19	F	15	ST	X eroding left bank
R 19	F	16	ST	U failed bank, LWD, Cascade
R 19	F	17	ST	D riffle-pool habitat (DL)

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	DV/CT	
Spawning Habitat	P	G	DV/CT	
OverWinter Habitat	P	F	DV/CT	
Cover	P	G	DV/CT	
Other				

WILDLIFE

Site Card

16-Jun-98

C O M M E N T

Section	Comments
COVER	rifle cascade pool habitat (boulder/rifle habitat)
CHANNEL	no fish barriers seen suspect fish utilization is extensive

Site Card

16-Jun-98

PROJECT											
Project Name			Northwood Pulp & Timber				Project Code			06-BABL-3085-0001-1998	
Stream Name (gaz.)			BULKLEY RIVER								
Project Watershed Code			460-000000-00000-00000-0000-0000-000-000-000-000-000								

WATERSHED											
Gazetted Name			Local Name								
Watershed Code			460-600600-50800-00500-2830-2561-000-000-000-000-000								
ILP		1606		Map		93L.023		Reach #		1	

Site #	NID	Map	UTM(Zone/East/North/Method)			Site Lg	Method	Access	Fish Crd?		
95	2095	93L.023				150	GE	H	☒		
Date		1997/09/19		Time		10:00		Agency		C151	
								Crew		ST/TW	

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)	MS	1.6	1.6	1.0	1.0	1.2	1.2		
Wetted Width (m)	MS	1.6	1.6	1.0	1.0	1.2	1.2		
Pool Depth (m)	MS	0.2	0.1	0.1	0.1	0.1	0.1		

grad			grad			method		
Method I	2.0	2.0	C					
Method II	4.0	4.0	C					

Wb Depth	0.1	0.1	0.1
Stage	☐ L	☒ M	☐ H
No Vis.Ch.	☐	Intermittent ☐	
Dw	☐	Trib. ☐	

WATER									
FLOOD SIGNS					Reg #				
NONE					EMS				
Temp: 6.5		Method: T4			Cond: 30		Method: S3		
pH: 6.9		Method: P3			Turb. ☐ T ☐ M ☐ L ☒ C		Method: GE		

COVER									
COVER							Total 40 %		
SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE		
	60				20	20	3 41-70%		
LWD A							INTREAM VEG ☐ N ☐ A ☒ M ☒ V		
DIST E									

Site Card

16-Jun-98

LB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																																					
BED MATERIAL Dominant: F Subdom: C				DISTURBANCE INDICATORS																																																	
D95: 12 D (cm): 0.002 Morph: RP				<table border="1"><tr><td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td><td colspan="3"></td></tr><tr><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td colspan="3"></td></tr><tr><td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td><td></td></tr><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>								O1	B1	B2	B3	D1	D2	D3				☐	☐	☐	☐	☐	☐	☐				C1	C2	C3	C4	C5	S1	S2	S3	S4	S5		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																																															
☐	☐	☐	☐	☐	☐	☐																																															
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																																												
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																											
Pattern: SI																																																					
Islands: N																																																					
Bars: ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L																																																					
Coupling: DC																																																					
Confinement: OC																																																					

FEATURE

NID Number:	3061	NID Map #:	93L.023						
TYPE:	F	Height:	1.8	Method:	GE	Length:		Method:	GE
Roll #:	8	Frame #:	23	Comment: 90 m upstream from confluence					
UTM (zone/easting/northing)				Method					
				NS					

FSZ	TRIB ☒	SC ☒	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo		Foc	Lg	Dir	Comments
R 8	F	21	ST	U	view upstream
R 8	F	22	ST	U	representative habitat
R 8	F	23	ST	U	falls
R 8	F	24	ST	D	view downstream
R 8	F	25	ST	X	confluence from right bank of Shea Creek

HABITAT QUALITY

Site Card

16-Jun-98

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	F	CO	instream vegetation below barrier affords cover
Spawning Habitat	P	P	CO	
Overwinter Habitat	P	P	CO	
Cover	P	P	CO	
Other				

WILDLIFE

Group	Observations
MAMMALS	cow moose

COMMENT

Section	Comments
CHANNEL	gradients taken above and below barrier
CHANNEL	all channel widths were taken below barrier
SITE CARD	follow-up sampling should be done above barrier in spring
COVER	crown closure above barrier = 71 - 90 % and below = 41 - 70%
MORPHOLOGY	residual depth varies from 5 - 15 cm
COVER	instream vegetation = sedge

Site Card

16-Jun-98

PROJECT												
Project Name			Northwood Pulp & Timber				Project Code			06-BABL-3085-0001-1998		
Stream Name (gaz.)			BULKLEY RIVER									
Project Watershed Code			460-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED												
Gazetted Name			Local Name									
Watershed Code			460-600600-50800-00500-2830-2715-000-000-000-000-000									
ILP		1468		Map		93L.023		Reach #		1		
Site #	NID	Map	UTM(Zone/East/North/Method)				Site Lg	Method	Access	Fish Crd?		
102	2102	93L.023					100	GE	H	☒		
Date		1997/09/19		Time		17:55		Agency		C151		
								Crew		ST/TW		
CHANNEL												
		method		width		width		width		width		
Channel Width (m)		MS		1.8		2.1		0.7		1.9		
Wetted Width (m)		MS		1.4		2.2		0.9		0.5		
Pool Depth (m)		MS		0.1		0.1		0.6		0.2		
		grad		grad		method						
Method I		8.0		8.0		C						
Method II						C						
Wb Depth		0.15		0.12		0.1						
Stage		☐ L		☒ M		☐ H						
No-Vis.Ch.		☐		Intermittent		☐						
Dw		☐		Trib.		☐						
WATER												
FLOOD SIGNS			Method: GE			Req #						
Temp. 8			Method: T4			EMS						
pH 7.2			Method: P3			Cond. 30			Method: S3			
						Turb. ☐ T ☐ M ☐ L ☒ C			Method: GE			
COVER												
COVER		Total		25		%		CROWN CLOSURE				
SWD	LWD	B	C	DP	OV	IV	4		71-90%			
	40		40		20							
LWD	A		INTREAM VEG		☐ N ☐ A ☒ M ☐ V							
DIST	E											

Site Card

16-Jun-98

LB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																			
BED MATERIAL Dominant: G Subdom: C D95: 35 D (cm): 5 Morph: RP	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																													
☐	☐	☐	☐	☐	☐	☐																													
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																										
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																										
Pattern SI Islands N Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L Coupling DC Confinement FC																																			

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc Lg	Dir	Comments
R 9	F 5	ST U	representative habitat
R 9	F 6	ST BD	substrate
R 9	F 7	ST U	confluence

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	M	TR/CO	spring rearing optimal
Spawning Habitat	P	M	DV/TR	good gravels, stable flows
OverWinter Habitat	P	P	TR/CO	no deep pools
Cover	P	M	TR/CO	cutbanks/ subsurface flow
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	check Northwood stream classification as fish may have been able to migrat

Site Card

16-Jun-98

PROJECT												
Project Name			Northwood Pulp & Timber				Project Code			06-BABL-3085-0001-1998		
Stream Name (gaz.)			BULKLEY RIVER									
Project Watershed Code			460-000000-00000-00000-0000-0000-000-000-000-000-000									
WATERSHED												
Gazetted Name			Local Name									
Watershed Code			460-600600-50800-00500-2830-2798-000-000-000-000-000-000									
ILP		1469		Map		93L.023		Reach #		2		
Site #	NID	Map	UTM(Zone/East/North/Method)				Site Lg	Method	Access	Fish Crd?		
101	2101	93L.023					100	GE	H	☒		
Date		1997/09/19		Time		17:15		Agency		C151		
								Crew		ST/TW		
CHANNEL												
		method		width		width		width		width		
Channel Width (m)		MS		2.0		1.9		2.1		3.0		
Wetted Width (m)		MS		1.5		1.5		1.7		2.2		
Pool Depth (m)		MS		0.1		0.2		0.1		0.3		
		grad		grad		method						
Method I		5.0		5.0		C						
Method II						C						
		Wb Depth		0.2		0.15		0.12				
		Stage		☐ L		☒ M		☐ H				
		No Vis.Ch.		☐		Intermittent		☐				
		Dw		☐		Tribes.		☐				
WATER												
FLOOD SIGNS			Reg #									
NONE			Method: GE			EMS						
Temp. 6.5			Method: T4			Cond. 30						
pH 7.2			Method: P3			Turb. ☐ T ☐ M ☐ L ☒ C						
						Method: GE						
COVER												
COVER		Total		10		%		CROWN CLOSURE				
SWD		LWD		B		C		DP				
50		50		50		50		50				
LWD		A		INTREAM VEG		☒ N		☐ A				
DIST		E				☐ M		☐ V				

Site Card

16-Jun-98

LB SHP S	RIP C
Texture ☐ F ☐ G ☐ C ☐ B ☒ R ☐ A	STG MF
RB SHP S	RIP C
Texture ☐ F ☐ G ☐ C ☐ B ☒ R ☐ A	STG MF

MORPHOLOGY																																											
BED MATERIAL Dominant: C Subdom: G D95: 15 D (cm): 6 Morph: RP	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>S3</td><td>S4</td><td>S5</td><td colspan="4"></td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td colspan="4"></td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐	S3	S4	S5					☐	☐	☐				
O1	B1	B2	B3	D1	D2	D3																																					
☐	☐	☐	☐	☐	☐	☐																																					
C1	C2	C3	C4	C5	S1	S2																																					
☐	☐	☐	☐	☐	☐	☐																																					
S3	S4	S5																																									
☐	☐	☐																																									
Pattern SI																																											
Islands N																																											
Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L																																											
Coupling CO																																											
Confinement CO																																											

FEATURE

NID Number: NID Map #:
 TYPE: Height: Method: Length: Method:
 Roll #: Frame #: Comment:
 UTM (zone/easting/northing) Method

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 9	F	2	ST	U falls
R 9	F	3	ST	U representative habitat
R 9	F	4	ST	U representative habitat

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	logged summer 1997
Spawning Habitat	P	P	TR	
OverWinter Habitat	P	P	TR	
Cover	P	P	TR	
Other				

WILDLIFE

Site Card

16-Jun-98

C O M M E N T

Section	Comments
SITE CARD	should check classification with Northwood

Site Card

16-Jun-98

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	BULKLEY RIVER
Project Watershed Code	460-000000-00000-00000-0000-000-000-000-000-000-000

WATERSHED	
Gazetted Name	
Local Name	
Watershed Code	460-600600-50800-00500-2830-2895-000-000-000-000-000
ILP	1605
Map	93L.023
Reach #	2

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
92	2092	93L.023		100	GE	V4	☐
Date	1997/09/16	Time	15:55	Agency	C151	Grew	ST/TW

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)	MS	1.6	2.2	1.9	2.0	1.5	1.9		
Wetted Width (m)	MS	1.1	1.8	1.9	1.7	1.3	1.9		
Pool Depth (m)	MS	0.2	0.4	0.3	0.1	0.4	0.2		
grad		grad		method					
Method I	4.0	4.0	C						
Method II			C						
Wb Depth		0.1		0.1		0.1			
Stage		☒ L		☐ M		☐ H			
No Vis.Ch.		☐		Intermittent		☐			
Dw		☐		Trib.		☐			

WATER	
FLOOD SIGNS	
	Method: GE
Temp. 9	Method: T4
pH 7.1	Method: P3
Req #	
EMS	
Cond. 40	Method: S3
Turb. ☐ T ☐ M ☐ L ☒ C	Method: GE

COVER	
COVER	Total 15 %
SWD	LWD
10	50
DP	OV
40	IV
CROWN CLOSURE	
1 1-20%	
LWD	A
DIST	C
INTREAM VEG ☐ N ☐ A ☒ M ☐ V	

Site Card

16-Jun-98

LB SHP S	RIP S
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG INIT
RB SHP S	RIP S
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG INIT

MORPHOLOGY																																																									
BED MATERIAL Dominant: C Subdom: G D95: 0.4 D (cm): 0.4 Morph: RP	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>S3</td><td>S4</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>☐</td><td>☐</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>S5</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>☐</td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐						S3	S4						☐	☐							S5							☐
O1	B1	B2	B3	D1	D2	D3																																																			
☐	☐	☐	☐	☐	☐	☐																																																			
C1	C2	C3	C4	C5	S1	S2																																																			
☐	☐	☐	☐	☐	☐	☐																																																			
					S3	S4																																																			
					☐	☐																																																			
						S5																																																			
						☐																																																			
Pattern IM																																																									
Islands N																																																									
Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L																																																									
Coupling DC																																																									
Confinement OC																																																									

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 8	F	5	ST D	view downstream
R 8	F	6	ST U	view upstream

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	
Spawning Habitat	P	P	TR	
OverWinter Habitat	P	P	TR	
Cover	P	P	TR	
Other				

WILDLIFE

COMMENT

Site Card

16-Jun-98

PROJECT															
Project Name				Northwood Pulp & Timber				Project Code				06-BABL-3085-0001-1998			
Stream Name (gaz.)				BULKLEY RIVER											
Project Watershed Code				460-000000-00000-00000-0000-000-000-000-000-000-000											
WATERSHED															
Gazetted Name				Local Name											
Watershed Code				460-600600-50800-00500-2830-2968-000-000-000-000-000-000											
ILP		1595		Map		93L.023		Reach #		1					
Site #	NID	Map	UTM(Zone/East/North/Method)				Site Lg	Method	Access	Fish Crd?					
93	2093	93L.023					100	GE	H	☒					
Date		1997/09/18		Time		16:40		Agency		C151					
								Crew		ST/TW					
CHANNEL															
		method	width	width	width	width	width	width	width	width	width				
Channel Width (m)		MS	3.5	2.5	3.0	3.4	3.9	2.4							
Wetted Width (m)		MS	1.0	2.5	1.0	3.0	2.8	1.7							
Pool Depth (m)		MS	0.1	0.3	0.1	0.5	0.2	0.3							
		grad	grad	method											
Method I		1.5	2.0	C											
Method II		1.0	1.0	C											
Wb Depth		0.25		0.2		0.2									
Stage		☐ L		☒ M		☐ H									
No Vls.Ch.		☐		Intermittent		☐									
Dw		☐		Trib.		☐									
WATER															
FLOOD SIGNS															
Method:				GE											
Temp.				6				Method:				T4			
pH				7.2				Method:				P3			
Req #															
EMS															
Cond.				30				Method:				S3			
Turb.				☐ T ☐ M ☐ L ☒ C				Method:				GE			
COVER															
COVER		Total		40		%									
SWD	LWD	B	C	DP	OV	IV		CROWN CLOSURE							
	35		15	15	35			4 71-90%							
LWD	A														
DIST	E														
INTREAM VEG				☐ N ☐ A ☒ M ☒ V											

Site Card

16-Jun-98

LB SHP	S	RIP	C
Texture	☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG	MF
RB SHP	S	RIP	C
Texture	☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG	MF

MORPHOLOGY																																																																						
BED MATERIAL Dominant: G Subdom: F					DISTURBANCE INDICATORS																																																																	
D95: 10 D (cm): 10 Morph: RP					<table><tr><td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td><td colspan="4"></td></tr><tr><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td colspan="4"></td></tr><tr><td colspan="7"></td><td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td></tr><tr><td colspan="7"></td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr></table>										O1	B1	B2	B3	D1	D2	D3					☐	☐	☐	☐	☐	☐	☐												C1	C2	C3	C4	C5	S1	S2	S3	S4	S5								☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																																																																
☐	☐	☐	☐	☐	☐	☐																																																																
							C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																																																						
							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																																						
Pattern		IM																																																																				
Islands		N																																																																				
Bars		☒ N ☐ D ☐ P ☐ M ☐ T ☐ L																																																																				
Coupling		DC																																																																				
Confinement		OC																																																																				

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

HABITAT QUALITY

WILDLIFE

COMMENT

Site Card

16-Jun-98

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	BULKLEY RIVER
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED	
Gazetted Name	
Local Name	
Watershed Code	460-600600-50800-00500-2830-2968-000-000-000-000-000-000
ILP	1595
Map	93L.023
Reach #	2

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
94	2094	93L.023		100	GE	H	☐
Date	1997/09/18	Time	17:35	Agency	C151	Crew	ST/TW

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)	MS	2.2	1.8	1.5	1.7	1.6	1.5		
Wetted Width (m)	MS	1.5	0.0	0.0	1.2	0.0	0.5		
Pool Depth (m)	MS	0.1	0.0	0.0	0.4	0.0	0.1		
grad		grad		method					
Method I	1.0	1.5	C						
Method II	1.0		C						
Wb Depth		0.1		0.1		0.1			
Stage		☒ L		☐ M		☐ H			
No Vis.Ch.		☐		Intermittent		☒			
Dw		☐		Trib.		☐			

WATER	
FLOOD SIGNS	
NONE	Method: GE
Temp. 7.5	Method: T4
pH 7.2	Method: P3
Req #	
EMS	
Cond. 50	Method: S3
Turb. ☐ T ☐ M ☐ L ☒ C	Method: GE

COVER	
COVER	Total 20 %
SWD	LWD
B	C
DP	OV
IV	
80	20
CROWN CLOSURE	
4	71-90%
LWD	F
DIST	E
INTREAM VEG ☒ N ☐ A ☐ M ☐ V	

Site Card

16-Jun-98

LB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																																									
BED MATERIAL Dominant: G Subdom: C D95: 8 D (cm): 8 Morph: RP	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>S3</td><td>S4</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>☐</td><td>☐</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>S5</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>☐</td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐						S3	S4						☐	☐							S5							☐
O1	B1	B2	B3	D1	D2	D3																																																			
☐	☐	☐	☐	☐	☐	☐																																																			
C1	C2	C3	C4	C5	S1	S2																																																			
☐	☐	☐	☐	☐	☐	☐																																																			
					S3	S4																																																			
					☐	☐																																																			
						S5																																																			
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Pattern ME																																																									
Islands N																																																									
Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L																																																									
Coupling DC																																																									
Confinement FC																																																									

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 8	F	15	ST	U representative habitat
R 8	F	16	ST	D representative habitat

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	
Spawning Habitat	P	M	TR	pea size gravel
OverWinter Habitat	P	P	TR	no water
Cover	P	P	TR	only cutbanks
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	channel would be accessible in the spring
MORPHOLOGY	stream appears to torrent in the spring as there is some evidence of bedload

Site Card

16-Jun-98

PROJECT											
Project Name				Northwood Pulp & Timber			Project Code		06-BABL-3085-0001-1998		
Stream Name (gaz.)				BULKLEY RIVER							
Project Watershed Code				460-000000-00000-00000-0000-0000-000-000-000-000-000							
WATERSHED											
Gazetted Name				Local Name							
Watershed Code				460-600600-50800-00500-2830-2968-433-086-000-000-000-000							
ILP		1593		Map		93L.023		Reach #		2	
Site #	NID	Map	UTM(Zone/East/North/Method)			Site Lg	Method	Access	Fish Crd?		
105	2105	93L.023				200	GE	H	☐		
Date		1997/09/20		Time		10:15		Agency		C151	
								Crew		ST/TW	
CHANNEL											
		method		width		width		width		width	
Channel Width (m)		MS		1.7		1.5		1.1		1.9	
Wetted Width (m)		MS		1.7		1.2		1.1		1.7	
Pool Depth (m)		MS		0.1		0.1		0.2		0.2	
		grad		grad		method					
Method I		4.0		4.5		C					
Method II						C					
		Wb Depth		0.12		0.12		0.1			
		Stage		☒ L		☐ M		☐ H			
		No Vis.Ch.		☐		Intermittent		☐			
		Dw		☐		Trib.		☐			
WATER											
FLOOD SIGNS				Req #							
0.3 SWD				Method:		GE		EMS			
Temp: 8				Method:		T4		Cond: 30		Method: S3	
pH: 7.1				Method:		P3		Turb: ☐ T ☐ M ☐ L ☒ C		Method: GE	
COVER											
COVER				Total		15		%			
SWD		LWD		B		C		DP		OV	
		30				20				50	
				CROWN CLOSURE		4		71-90%			
LWD		F		INTREAM VEG		☐ N ☐ A ☒ M ☐ V					
DIST		E									

Site Card

16-Jun-98

LB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY	
BED MATERIAL Dominant: G Subdom: C	DISTURBANCE INDICATORS
D95: 18 D (cm): 5 Morph: RP	O1 ☐ B1 ☐ B2 ☐ B3 ☐ D1 ☐ D2 ☐ D3 ☐
	C1 ☐ C2 ☐ C3 ☐ C4 ☐ C5 ☐ S1 ☐ S2 ☐ S3 ☐ S4 ☐ S5 ☐
Pattern SI	
Islands N	
Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L	
Coupling DC	
Confinement FC	

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 9	F	15	ST	U view upstream
R 9	F	16	ST	U representative habitat
R 9	F	17	ST	U view from 200 m upstream of confluence

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	
Spawning Habitat	P	P	TR	some spawning potential
Overwinter Habitat	P	P	TR	
Cover	P	P	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
WATER	likely a dry streambed until recent rains
CHANNEL	stream accessible to fish in spring or summer freshet - recommend spring s

Site Card

16-Jun-98

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	BULKLEY RIVER
Project Watershed Code	460-000000-000000-000000-0000-0000-0000-0000-0000-0000

WATERSHED	
Gazetted Name	
Local Name	
Watershed Code	460-600600-50800-00500-2830-2968-433-086-000-000-000-000
ILP	1593
Map	93L.023
Reach #	3

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
106	2106	93L.023		100	GE	H	☐
Date	1997/09/20	Time	11:10	Agency	C151	Crew	ST/TW

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)									
Wetted Width (m)									
Pool Depth (m)									
	grad	grad	method						
Method I									
Method II									
				Wb Depth					
				Stage	☒ L	☐ M	☐ H		
				No Vis.Ch:	☒	Intermittent		☐	
				Dw	☐	Tribes:		☐	

WATER	
FLOOD SIGNS	
	Method:
Temp. 7.5	Method: T4
pH 4.1	Method: P3
Req #	
EMS	
Cond. 30	Method: S4
Turb. ☐ T ☐ M ☐ L ☒ C	Method: GE

COVER	
COVER	Total %
SWD LWD B C DP OV IV	
CROWN CLOSURE	
1	1-20%
LWD	N
DIST	NA
INTREAM VEG	☐ N ☐ A ☐ M ☒ V

Site Card

16-Jun-98

LB SHP ☐	RIP ☐
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG ☐ SHR ☐
RB SHP ☐	RIP ☐
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG ☐ SHR ☐

MORPHOLOGY											
BED MATERIAL Dominant: ☐ F ☐ Subdom: ☐						DISTURBANCE INDICATORS					
D95: ☐ 0.002 D (cm): ☐ 0.002 Morph: ☐ NS						☐ O1 ☐ B1 ☐ B2 ☐ B3 ☐ D1 ☐ D2 ☐ D3					
						☐ C1 ☐ C2 ☐ C3 ☐ C4 ☐ C5 ☐ S1 ☐ S2 ☐ S3 ☐ S4 ☐ S5					
Pattern ☐ NS											
Islands ☐ N											
Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L											
Coupling ☐ DC											
Confinement ☐ UN											

FEATURE

FSZ ☐	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 9	F	18	ST	D view downstream at channel

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawning Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
WATER	standing water <1 cm deep
CHANNEL	likely a spring run-off channel

Site Card

16-Jun-98

PROJECT											
Project Name				Northwood Pulp & Timber			Project Code		06-BABL-3085-0001-1998		
Stream Name (gaz.)				BULKLEY RIVER							
Project Watershed Code				460-000000-00000-00000-0000-0000-000-000-000-000-000							
WATERSHED											
Gazetted Name				Local Name							
Watershed Code				460-600600-50800-00500-2830-2968-433-179-000-000-000-000							
ILP		1602		Map		93L.023		Reach #		2	
Site #	NID	Map	UTM(Zone/East/North/Method)				Site Lg	Method	Access	Fish Crd?	
112	2112	93L.023					100	GE	H	☐	
Date		1997/09/20		Time		16:55		Agency		C151	
								Crew		ST/TW	
CHANNEL											
		method		width		width		width		width	
Channel Width (m)				2.2		0.5		0.8		0.9	
Wetted Width (m)				2.0		0.5		0.5		0.7	
Pool Depth (m)				0.1		0.1		0.0		0.1	
		grad		grad		method					
Method I		2.0		2.0							
Method II											
Wb Depth		0.05		0.05		0.05					
Stage		☒ L		☐ M		☐ H					
No Vis.Ch.		☐		Intermittent		☒					
Dw		☐		Trib.		☐					
WATER											
FLOOD SIGNS											
				Method:							
Temp.		12		Method:		T4					
pH		6.8		Method:		P3					
Req #						EMS					
Cond.				20		Method:		S3			
Turb.				☐ T		☐ M		☐ L		☒ C	
						Method:		GE			
COVER											
COVER				Total				%			
SWD		LWD		B		C		DP		OV	
CROWN CLOSURE				4		71-90%					
LWD		F		INTREAM VEG		☐ N		☐ A		☐ M	
DIST		E				☒ V					

Site Card

16-Jun-98

LB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																																
BED MATERIAL Dominant: F Subdom:					DISTURBANCE INDICATORS																																											
D95: 0.002 D (cm): 0.002 Morph: NS					<table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> </table>										O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																																										
☐	☐	☐	☐	☐	☐	☐																																										
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																																							
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																							
Pattern SI																																																
Islands N																																																
Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L																																																
Coupling DC																																																
Confinement UN																																																

FEATURE

FSZ	TRIB ☐	SC ☐	FO ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 10	F	11	ST	D view downstream
R 10	F	12	ST	D view downstream
R 10	F	13	ST	D view of wetland

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	fish observed feeding in wetland
Spawning Habitat	P	P	TR	
OverWinter Habitat	P	P	TR	
Cover	P	P	TR	
Other				

WILDLIFE

Group	Observations
FISH	observed feeding in wetland

COMMENT

Site Card

16-Jun-98

Section	Comments
CHANNEL	appears to be a seasonally wetted channel (very poorly defined)
WATER	goes subsurface 30 m downstream of wetland and @ 40 m becomes intermi

Site Card

16-Jun-98

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	BULKLEY RIVER
Project Watershed Code	460-000000-000000-000000-0000-0000-000-000-000-000-000

WATERSHED	
Gazetted Name	
Local Name	
Watershed Code	460-600600-50800-00500-2830-2968-433-596-000-000-000-000
ILP	1600
Map	93L.023
Reach #	1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Grd?
107	2107	93L.023		100	GE	H	☐
Date	1997/09/20	Time	11:35	Agency	C151	Crew	ST/TW

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)									
Wetted Width (m)									
Pool Depth (m)									
	grad	grad	method						
Method I									
Method II									
				Wb Depth					
				Stage	☐ L	☐ M	☐ H		
				No Vis.Ch.	☒	Intermittent		☐	
				Dw	☐	Trib.		☐	

WATER	
FLOOD SIGNS	
	Method:
Temp. 7	Method: T4
pH 7.0	Method: P3
Req #	
EMS	
Cond. 30	Method: S3
Turb. ☐ T ☐ M ☐ L ☒ C	Method: GE

COVER	
COVER	Total %
SWD LWD B C DP OV IV	
CROWN CLOSURE	
4 74-90%	
LWD	
DIST	
INTREAM VEG	☒ N ☐ A ☐ M ☐ V

Site Card

16-Jun-98

LB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																																									
BED MATERIAL Dominant: F Subdom: D95: 0.002 D (cm): 0.002 Morph: NS	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>S3</td><td>S4</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>☐</td><td>☐</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>S5</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>☐</td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐						S3	S4						☐	☐							S5							☐
O1	B1	B2	B3	D1	D2	D3																																																			
☐	☐	☐	☐	☐	☐	☐																																																			
C1	C2	C3	C4	C5	S1	S2																																																			
☐	☐	☐	☐	☐	☐	☐																																																			
					S3	S4																																																			
					☐	☐																																																			
						S5																																																			
						☐																																																			
Pattern																																																									
Islands N																																																									
Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L																																																									
Coupling DC																																																									
Confinement UN																																																									

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 9	F	19	ST	U no visible channel
R 9	F	20	ST	D view downstream into lake
R 9	F	21	ST	U view of channel

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawning Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
COVER	no fish habitat
CHANNEL	wetland seepage or gully run-off, 30 m upstream lose all hint of a channel
SITE CARD	lots of fish activity in lake

Site Card

16-Jun-98

PROJECT												
Project Name			Northwood Pulp & Timber				Project Code			06-BABL-3085-0001-1998		
Stream Name (gaz.)			BULKLEY RIVER									
Project Watershed Code			460-000000-00000-00000-0000-0000-000-000-000-000-000									
WATERSHED												
Gazetted Name			Local Name									
Watershed Code			460-600600-50800-00500-2830-2968-507-000-000-000-000-000									
ILP		1596		Map		93L.023		Reach #		1		
Site #	NID	Map	UTM(Zone/East/North/Method)				Site Lg	Method	Access	Fish Crd?		
104	2104	93L.023					100	GE	H	☒		
Date		1997/09/20		Time		09:25		Agency		C151		
								Crew		ST/TW		
CHANNEL												
		method		width		width		width		width		
Channel Width (m)		MS		1.2		1.4		1.8		0.7		
Wetted Width (m)		MS		0.8		1.2		1.7		0.5		
Pool Depth (m)		MS		0.1		0.1		0.2		0.1		
		grad		grad		method						
Method I		3.0		3.0		C						
Method II						C						
Wb Depth		0.05		0.07		0.1						
Stage		☒ L		☐ M		☐ H						
No Vis.Ch.		☐		Intermittent		☐						
Dw		☐		Trib:		☐						
WATER												
FLOOD SIGNS			Method: GE			Req #			EMS			
NONE												
Temp. 7			Method: T4			Cond. 40			Method: S3			
pH 7.2			Method: P3			Turb. ☐ T ☐ M ☐ L ☒ C			Method: GE			
COVER												
COVER		Total		15		%		CROWN CLOSURE				
SWD		LWD		B		C		DP		OV		
		40				10				50		
LWD		A		INTREAM VEG		☒ N ☐ A ☐ M ☐ V						
DIST		E										

Site Card

16-Jun-98

LB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY	
BED MATERIAL Dominant: G Subdom: C	DISTURBANCE INDICATORS O1 ☐ B1 ☐ B2 ☐ B3 ☐ D1 ☐ D2 ☐ D3 ☐
D95: 20 D(cm): 4 Morph: RP	C1 ☐ C2 ☐ C3 ☐ C4 ☐ C5 ☐ S1 ☐ S2 ☐ S3 ☐ S4 ☐ S5 ☐
Pattern ME	
Islands N	
Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L	
Coupling DC	
Confinement OC	

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FLBV ☐
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PHOTO DOCUMENTATION

Photo	Foc Lg	Dir	Comments
R 9 F 13	ST	U	representative habitat
R 9 F 14	ST	U	view upstream from POC

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	
Spawning Habitat	P	M	TR	nice gravel size
OverWinter Habitat	P	P	TR	no pools
Cover	P	P	TR	no pools
Other				

WILDLIFE

COMMENT

Section	Comments
WATER	likely a dry stream until the recent rains
CHANNEL	probably accessible to fish in spring or summer time / recommend follow-up

Site Card

16-Jun-98

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	BULKLEY RIVER
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED	
Gazetted Name	
Local Name	
Watershed Code	460-600600-50800-00500-2830-2968-540-000-000-000-000-000
ILP	1597
Map	93L.023
Reach #	1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
103	2103	93L.023		100	GE	H	☒
Date	1997/09/20	Time	08:20	Agency	C151	Crew	ST/TW

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)	MS	1.0	1.0	1.0	1.0	1.0	1.0		
Wetted Width (m)	MS	1.0	1.0	1.0	1.0	1.0	1.0		
Pool Depth (m)	MS	0.1	0.1	0.2	0.2	0.1	0.2		
	grad	grad	method						
Method I	1.0	1.0	C						
Method II									
				Wb Depth					
				Stage	☒ L	☐ M	☐ H		
				No Vis.Ch.	☐	Intermittent		☐	
				Dw	☐	Tribes		☐	

WATER	
FLOOD SIGNS	
	Method:
Temp. 5.5	Method: T4
pH 7.0	Method: P3
Req #	
EMS	
Cond. 40	Method: S3
Turb.	☐ T ☐ M ☐ L ☒ C Method: GE

COVER	
COVER	Total %
SWD LWD B C DP OV IV	
CROWN CLOSURE	
1	1-20%
LWD	N
DIST	NA
INTREAM VEG	☐ N ☐ A ☐ M ☒ V

Site Card

16-Jun-98

LB SHP	☒ S	RIP	☒ G
Texture	☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG	☒ SHR
RB SHP	☒ S	RIP	☒ G
Texture	☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG	☒ SHR

MORPHOLOGY																																																									
BED MATERIAL Dominant: ☒ F Subdom: ☐ D95: 0.002 D(cm): 0.002 Morph: ☒ NS	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td></tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td></tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>S3</td><td>S4</td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>☐</td><td>☐</td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>S5</td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>☐</td></tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐						S3	S4						☐	☐							S5							☐
O1	B1	B2	B3	D1	D2	D3																																																			
☐	☐	☐	☐	☐	☐	☐																																																			
C1	C2	C3	C4	C5	S1	S2																																																			
☐	☐	☐	☐	☐	☐	☐																																																			
					S3	S4																																																			
					☐	☐																																																			
						S5																																																			
						☐																																																			
Pattern	☒ SI																																																								
Islands	☒ N																																																								
Bars	☒ N ☐ D ☐ P ☐ M ☐ T ☐ L																																																								
Coupling	☒ DC																																																								
Confinement	☒ UN																																																								

FEATURE

FSZ	TRIB ☐	SC ☐	EC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 9	F	11	ST	U undefined channel
R 9	F	12	ST	D wetland channel

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	TR	
Spawning Habitat	P	P	TR	
OverWinter Habitat	P	P	TR	
Cover	P	F	TR	for juveniles
Other				

WILDLIFE

Group	Observations
MAMMALS	moose trails and scat

COMMENT

Section	Comments
CHANNEL	after 60 m of wetland channel flow goes subsurface in timber - no defineable
CHANNEL	wetland area accessible to fish in spring as fish were caught at the confluenc

Site Card

16-Jun-98

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	BULKLEY RIVER
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED	
Gazetted Name	
Local Name	
Watershed Code	460-600600-50800-00500-2830-3013-000-000-000-000-000-000
ILP	1476
Map	93L.023
Reach #	1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
97	2097	93L.023		100	GE	H	☐
Date	1997/09/19	Time	13:00	Agency	C151	Grew	ST/TW

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)	MS	0.5	0.8	0.3	1.3	4.6	0.7		
Wetted Width (m)	MS	0.5	0.8	0.3	1.5	2.1	1.0		
Pool Depth (m)	MS	0.1	0.1	0.1	0.3	0.4	0.2		
	grad	grad	method						
Method I	6.0	6.0	C						
Method II	6.0	7.0	C						
Wb Depth	0.1	0.1	0.06						
Stage	☒ L	☐ M	☐ H						
No Vis.Ch.	☐	Intermittent		☐					
Dw	☐	Trib.		☐					

WATER	
FLOOD SIGNS	
	Method: GE
Temp: 8	Method: T4
pH: 7.3	Method: P3
Req #	
EMS	
Cond: 50	Method: S3
Turb: ☐ T ☐ M ☐ L ☒ G	Method: GE

COVER	
COVER	Total 20 %
SWD	LWD
	40
B	C
	60
DP	OV
IV	
CROWN CLOSURE	
4	71-90%
LWD	A
DIST	E
INTREAM VEG	☐ N ☐ A ☒ M ☐ V

Site Card

16-Jun-98

LB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY	
BED MATERIAL Dominant: G Subdom: F	DISTURBANCE INDICATORS
D95: 8 D (cm): 2 Morph: RP	O1 ☐ B1 ☐ B2 ☐ B3 ☐ D1 ☐ D2 ☐ D3 ☐
	C1 ☐ C2 ☐ C3 ☐ C4 ☐ C5 ☐ S1 ☐ S2 ☐ S3 ☐ S4 ☐ S5 ☐
Pattern SI	
Islands N	
Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L	
Coupling DC	
Confinement OC	

FEATURE

FSZ ☐	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 8	F	28	ST	U subsurface flow
R 8	F	29	ST	U channel

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	accessible to spawners in the spring
Spawning Habitat	P	F	TR	
OverWinter Habitat	P	P	TR	
Cover	P	P	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	should sample in spring to determine fish presence or absence
WATER	no water to shock

Site Card

16-Jun-98

PROJECT									
Project Name	Northwood Pulp & Timber					Project Code	06-BABL-3085-0001-1998		
Stream Name (gaz.)	BULKLEY RIVER								
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000								
WATERSHED									
Gazetted Name					Local Name				
Watershed Code	460-600600-50800-00500-2830-3023-000-000-000-000-000								
ILP	1477	Map	93L.023	Reach #	1				
Site #	NID	Map	UTM (Zone/East/North/Method)		Site Lg	Method	Access	Fish Crd?	
96	2096	93L.023			100	GE	H	☐	
Date	1997/09/19	Time	12:48	Agency	C151	Crew	ST/TW		
CHANNEL									
Channel Width (m)	method	width	width	width	width	width	width	width	width
	MS	2.2	1.0	1.5	0.5	1.8	1.3		
Wetted Width (m)	MS								
Pool Depth (m)	MS								
grad		grad	method						
Method I	8.0	10.0	C						
Method II			C						
Wb Depth									
Stage		☐ L ☐ M ☐ H							
No Vis. Ch.		☐							
Dw		☒							
Intermittent		☐							
Tribes		☐							
WATER									
FLOOD SIGNS					Req #				
					EMS				
Temp.					Cond.				
pH					Turb.				
Method: GE					Method: S3				
Method: T4					Method: GE				
Method: P3									
COVER									
COVER					CROWN CLOSURE				
Total 10 %					4 71-90%				
SWD LWD B C DP OV IV									
100									
LWD A					INTREAM VEG				
DIST E					☐ N ☐ A ☒ M ☒ V				

Site Card

16-Jun-98

LB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY	
BED MATERIAL Dominant: F Subdom: G	DISTURBANCE INDICATORS
D95: 15 D (cm): 0.002 Morph: SP	O1 ☐ B1 ☐ B2 ☐ B3 ☐ D1 ☐ D2 ☐ D3 ☐
	C1 ☐ C2 ☐ C3 ☐ C4 ☐ C5 ☐ S1 ☐ S2 ☐ S3 ☐ S4 ☐ S5 ☐
Pattern SI	
Islands N	
Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L	
Coupling PC	
Confinement CO	

FEATURE

FSZ ☐	TRIB ☐	SC ☐	FC ☐	SWR/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 8	F	26	ST	U defined channel
R 8	F	27	ST	U undefined channel

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	seasonal run-off channel
Spawning Habitat	P	P	TR	
OverWinter Habitat	P	P	TR	
Cover	P	P	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	channel dewatered

Site Card

16-Jun-98

PROJECT											
Project Name				Northwood Pulp & Timber			Project Code		06-BABL-3085-0001-1998		
Stream Name (gaz.)				BULKLEY RIVER							
Project Watershed Code				460-000000-00000-00000-0000-0000-000-000-000-000-000							
WATERSHED											
Gazetted Name				Local Name							
Watershed Code				460-600600-50800-00500-2830-3266-000-000-000-000-000-000							
ILP		1480		Map		93L.023		Reach #		1	
Site #	NID	Map	UTM(Zone/East/North/Method)			Site Lg	Method	Access	Fish Crd?		
98	2098	93L.023				100	GE	H	☒		
Date		1997/09/19		Time		13:45		Agency		C151	
								Crew		ST/TW	
CHANNEL											
		method		width		width		width		width	
Channel Width (m)		MS		1.2		0.8		1.5		1.2	
Wetted Width (m)		MS		1.2		1.2		1.3		0.8	
Pool Depth (m)		MS		0.3		0.3		0.1		0.0	
		grad		grad		method					
Method I		4.0		5.0		C					
Method II		4.0		5.0		C					
		Wb Depth		0.15		0.05		0.1			
		Stage		☐ L		☒ M		☐ H			
		No Vis Ch.		☐		Intermittent		☐			
		Dw		☐		Tribes		☐			
WATER											
FLOOD SIGNS				Req #							
0.5 SWD				Method:		GE		EMS			
Temp. 7				Method:		T4		Cond. 30			
pH 7.3				Method:		P3		Turb.		☐ T ☐ M ☐ L ☒ C	
								Method:		GE	
COVER											
COVER				Total		10		%			
SWD		LWD		B		C		DP		OV	
						50				50	
				CROWN CLOSURE		4		71-90%			
LWD		F		INTREAM VEG		☒ N		☐ A		☐ M	
DIST		E						☐ V			

Site Card

16-Jun-98

LB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																			
BED MATERIAL Dominant: G Subdom: C D95: 10 D (cm): 2 Morph: SP	DISTURBANCE INDICATORS <table border="0"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																													
☐	☐	☐	☐	☐	☐	☐																													
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																										
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																										
Pattern ME Islands N Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L Coupling DC Confinement UN																																			

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 8	F	30	ST D	representative habitat
R 8	F	32	ST BD	mushrooms
R 8	F	31	ST D	view downstream into wetland

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	not likley accessible prior to rain as channel d
Spawning Habitat	P	P	TR	
OverWinter Habitat	P	P	TR	substrate clean nostains or aquatic insects
Cover	P	P	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	opens into a seasonally wetted area - dry previous to last weeks's rain
CHANNEL	wetted area is 30 m above mainstem, bank height on mainstem is 3.2 m so

Site Card

16-Jun-98

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	BULKLEY RIVER
Project Watershed Code	460-000000-000000-000000-0000-0000-000-000-000-000-000

WATERSHED							
Gazetted Name							
Local Name							
Watershed Code	460-600600-50800-00500-2830-3452-000-000-000-000-000-000						
ILP	1572						
Map	93L.023						
Reach #	1						
Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
99	2099	93L.023		100	GE	H	☒
Date	1997/09/19	Time	14:40	Agency	C151	Crew	ST/TW

CHANNEL	
	method width width width width width width width width
Channel Width (m)	
Wetted Width (m)	
Pool Depth (m)	
	grad grad method
Method I	0.0 0.0 C
Method II	1.0 1.0 C
Wb Depth	
Stage	☒ L ☐ M ☐ H
No Vis.Ch.	☒ Intermittent ☐
Dw	☐ Tribs ☐

WATER	
FLOOD SIGNS	
	Method:
Temp. 8	Method: T4
pH 7.2	Method: P3
Req #	
EMS	
Cond. 50	Method: S3
Turb. ☐ T ☐ M ☐ L ☒ C	Method: GE

COVER	
COVER	
Total %	
SWD	LWD
B	C
DP	OV
IV	
CROWN CLOSURE	
4 71.90%	
LWD	F
DIST	E
INTREAM VEG ☐ N ☐ A ☒ M ☒ V	

Site Card

16-Jun-98

LB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																																									
BED MATERIAL Dominant: F Subdom: B D95: 40 D (cm): 0.002 Morph: NS	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>S3</td><td>S4</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>☐</td><td>☐</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>S5</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>☐</td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐						S3	S4						☐	☐							S5							☐
O1	B1	B2	B3	D1	D2	D3																																																			
☐	☐	☐	☐	☐	☐	☐																																																			
C1	C2	C3	C4	C5	S1	S2																																																			
☐	☐	☐	☐	☐	☐	☐																																																			
					S3	S4																																																			
					☐	☐																																																			
						S5																																																			
						☐																																																			
Pattern ST Islands N Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L Coupling DC Confinement UN																																																									

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 8	F	33	ST	X channel dewater, loses definition
R 8	F	34	ST	BD drop from bank to Shea mainstem
R 8	F	35	ST	D view downstream
R 8	F	36	ST	U view upstream
R 8	F	37	ST	D pool where most of fish were caught

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	TR/CO	good rearing area
Spawning Habitat	P	P	TR/CO	stream unlikely accessible to spawners
OverWinter Habitat	P	F	TR/CO	
Cover	P	G	TR/CO	
Other				

WILDLIFE

COMMENT

Site Card

16-Jun-98

Section	Comments
CHANNEL	80 m upstream some channel definition
CHANNEL	@ 90 m upstream flow goes subsurface

Site Card

16-Jun-98

PROJECT									
Project Name	Northwood Pulp & Timber					Project Code	06-BABL-3085-0001-1998		
Stream Name (gaz.)	BULKLEY RIVER								
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000								
WATERSHED									
Gazetted Name					Local Name				
Watershed Code	460-600600-50800-00500-2830-3745-000-000-000-000-000								
ILP	1554	Map	93L.023	Reach #	2				
Site #	NID	Map	UTM(Zone/East/North/Method)		Site Lg	Method	Access	Fish Crd?	
110	2110	93L.023			100	GE	H	☐	
Date	1997/09/20	Time	15:10	Agency	C151	Crew	ST/TW		
CHANNEL									
Channel Width (m)	method	width	width	width	width	width	width	width	width
	MS	4.5	5.0	4.0	4.2	3.2	3.7		
Wetted Width (m)	MS	0.0	0.0	0.0	0.0	0.0	0.0		
Pool Depth (m)	MS	0.0	0.0	0.0	0.0	0.0	0.0		
Method I	grad	grad	method						
	4.0	4.0	C						
Method II			C						
Wb Depth	0.5	0.6	0.5						
Stage	☐ L	☐ M	☐ H						
No Vis.Ch.	☐	Intermittent ☐							
Dw	☒	Trib. ☐							
WATER									
FLOOD SIGNS					Req #				
.8 LWD JAMS					EMS				
Temp.					Cond.				
pH					Turb.				
Method: GE					Method: S3				
Method: T4					Method: GE				
Method: P3									
COVER									
COVER					Total 35 %				
SWD LWD B C DP OV IV					CROWN CLOSURE				
50 30 20					4 71-90%				
LWD A					INTREAM VEG ☒ N ☐ A ☐ M ☐ V				
DIST E									

Site Card

16-Jun-98

LB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																																									
BED MATERIAL Dominant: G Subdom: C D95: 15 D (cm): 4 Morph: SP	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>S3</td><td>S4</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>☐</td><td>☐</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>S5</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>☐</td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐						S3	S4						☐	☐							S5							☐
O1	B1	B2	B3	D1	D2	D3																																																			
☐	☐	☐	☐	☐	☐	☐																																																			
C1	C2	C3	C4	C5	S1	S2																																																			
☐	☐	☐	☐	☐	☐	☐																																																			
					S3	S4																																																			
					☐	☐																																																			
						S5																																																			
						☐																																																			
Pattern ME																																																									
Islands N																																																									
Bars ☐ N ☐ D ☐ P ☒ M ☐ T ☒ L																																																									
Coupling PC																																																									
Confinement FC																																																									

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 10	F	6	ST	D aggraded bed
R 10	F	7	ST	U aggraded bed

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	
Spawning Habitat	P	F	TR	
OverWinter Habitat	P	P	TR	
Cover	P	F	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	fish captured below; spring sampling should be conducted
CHANNEL	looks like a spring run-off channel which likely flows from May to August
WATER	channel presently dewatered

Site Card

16-Jun-98

PROJECT												
Project Name			Northwood Pulp & Timber				Project Code			06-BABL-3085-0001-1998		
Stream Name (gaz.)			BULKLEY RIVER									
Project Watershed Code			460-000000-00000-00000-0000-0000-000-000-000-000-000-000									
WATERSHED												
Gazetted Name			Local Name									
Watershed Code			460-600600-50800-00500-2830-3745-060-000-000-000-000-000									
ILP		1555		Map		93L.023		Reach #		2		
Site #	NID	Map	UTM(Zone/East/North/Method)				Site Lg	Method	Access	Fish Crd?		
211	1091	93L.023					100	GE	H	☐		
Date		1997/09/18		Time		17:25		Agency		C151		
								Crew		DL/EN		
CHANNEL												
		method		width		width		width		width		
Channel Width (m)		MS		2.3		2.8		1.2		1.6		
Wetted Width (m)		MS		0.5		0.7		0.3		0.7		
Pool Depth (m)		MS		0.2		0.2		0.2		0.1		
		grad		grad		method						
Method I		3.0		3.0		C						
Method II						C						
		Wb Depth		0.2		0.2		0.3				
		Stage		☒ L		☐ M		☐ H				
		No Vis.Ch.		☐		Intermittent		☐				
		Dw		☐		Trib.		☐				
WATER												
FLOOD SIGNS			Method: GE			Req #						
Temp. 5.9			Method: T4			EMS						
pH 7.4			Method: P3			Cond. 40			Method: S3			
						Turb. ☐ T ☐ M ☐ L ☒ C			Method: GE			
COVER												
COVER			Total 25 %			CROWN CLOSURE			2 21-40%			
SWD 30			LWD 30			B 30			C 30			
DP 10			OV 10			IV 10						
LWD F			DIST E			INTREAM VEG			☐ N ☐ A ☐ M ☐ V			

Site Card

16-Jun-98

LB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																													
BED MATERIAL Dominant: G Subdom: C				DISTURBANCE INDICATORS																																									
D95: 10 D (cm): 5 Morph: RP				<table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> </table>								O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																																							
☐	☐	☐	☐	☐	☐	☐																																							
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																																				
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																				
Pattern SI																																													
Islands N																																													
Bars ☐ N ☒ D ☐ P ☐ M ☐ T ☐ L																																													
Coupling DC																																													
Confinement OC																																													

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 18	F	19	ST	D confluence with ILP 1561
R 18	F	20	ST	U dewatered channel

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	F	TR	
Spawning Habitat	P	G	TR	
OverWinter Habitat	P	P	TR	
Cover	P	F	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
WATER	no water, no electrofishing
CHANNEL	suspect Dolly Varden usage; access and alluvium signify channel is watered
CHANNEL	channel goes subsurface as it approached Shea through a gravel wedge

Site Card

16-Jun-98

PROJECT												
Project Name			Northwood Pulp & Timber				Project Code			06-BABL-3085-0001-1998		
Stream Name (gaz.)			BULKLEY RIVER									
Project Watershed Code			460-000000-00000-00000-0000-0000-000-000-000-000-000-000									
WATERSHED												
Gazetted Name			Local Name									
Watershed Code			460-600600-50800-00500-2830-3745-177-000-000-000-000-000									
ILP		1558		Map		93L.023		Reach #		1		
Site #	NID	Map	UTM(Zone/East/North/Method)				Site Lg	Method	Access	Fish Crd?		
111	2111	93L.023					100	GE	H	☒		
Date		1997/09/20		Time		15:50		Agency		C151		
								Grew		ST/TW		
CHANNEL												
		method		width		width		width		width		
Channel Width (m)		MS		1.0		1.6		1.5		1.2		
Wetted Width (m)		MS		1.4		1.4		0.5		1.4		
Pool Depth (m)		MS		0.2		0.1		0.1		0.3		
		grad		grad		method						
Method I		11.0		11.0		C						
Method II						C						
		Wb Depth		0.1		0.1		0.12				
		Stage		☒ L		☐ M		☐ H				
		No Vis.Ch.		☐		Intermittent		☐				
		Dw		☐		Trib.		☐				
WATER												
FLOOD SIGNS			Method: GE			Req #						
NONE			Temp: 6			EMS						
pH: 7.0			Method: T4			Cond: 70			Method: S3			
			Method: P3			Turb. ☐ T ☐ M ☐ L ☒ C			Method: GE			
COVER												
COVER		Total		20		%		CROWN CLOSURE				
SWD		LWD		B		C		DP		OV		
		30				50				20		
LWD		F		INTREAM VEG		☐ N ☐ A ☒ M ☐ V						
DIST		E										

Site Card

16-Jun-98

LB SHP V	RIP C
Texture ☐ F ☐ G ☒ C ☐ B ☐ R ☐ A	STG MF
RB SHP V	RIP C
Texture ☐ F ☐ G ☒ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																											
BED MATERIAL Dominant: C Subdom: G D95: 32 D (cm): 5 Morph: SP	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>S3</td><td>S4</td><td>S5</td><td colspan="4"></td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td colspan="4"></td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐	S3	S4	S5					☐	☐	☐				
O1	B1	B2	B3	D1	D2	D3																																					
☐	☐	☐	☐	☐	☐	☐																																					
C1	C2	C3	C4	C5	S1	S2																																					
☐	☐	☐	☐	☐	☐	☐																																					
S3	S4	S5																																									
☐	☐	☐																																									
Pattern ST Islands N Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L Coupling CO Confinement EN																																											

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 10	F	8	ST	D representative habitat
R 10	F	9	ST	U representative habitat
R 10	F	10	ST	D view of vertical right bank

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	F	TR	good pools
Spawning Habitat	P	P	TR	
OverWinter Habitat	P	P	TR	no deep pools
Cover	P	F	RT	great cutbanks
Other				

WILDLIFE

COMMENT

Section	Comments
MORPHOLOGY	suspect downstream barriers
CHANNEL	very steep vertical banks

Site Card

16-Jun-98

PROJECT									
Project Name	Northwood Pulp & Timber					Project Code	06-BABL-3085-0001-1998		
Stream Name (gaz.)	BULKLEY RIVER								
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-000								
WATERSHED									
Gazetted Name					Local Name				
Watershed Code	460-600600-50800-00500-2830-3745-318-000-000-000-000-000								
ILP	1561	Map	93L.023	Reach #	1				
Site #	NID	Map	UTM(Zone/East/North/Method)		Site Lg	Method	Access	Fish Crd?	
209	1089	93L.023			100	GE	H	☒	
Date	1997/09/18	Time	17:03	Agency	C151	Crew	DL/EN		
CHANNEL									
Channel Width (m)	method	width	width	width	width	width	width	width	width
	MS	4.5	4.7	5.3	5.7	4.8	5.9		
Wetted Width (m)	MS	1.9	1.4	1.6	1.9	1.2	2.3		
Pool Depth (m)	MS	0.7	0.4	0.4	0.5	0.5	0.5		
grad		grad		method					
Method I	3.0	3.0	C						
Method II			C						
Wb Depth		0.5	0.6	0.6					
Stage		☒ L	☐ M	☐ H					
No Vis.Ch.		☐	Intermittent		☐				
Dw		☐	Trib.		☐				
WATER									
FLOOD SIGNS					Req #				
					EMS				
Temp	6.2	Method	T4		Cond.	40	Method	S3	
pH	7.6	Method	P3		Turb.	☐ T ☐ M ☐ L ☒ C	Method	GE	
COVER									
COVER					Total	35	%		
SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE		
20	40		30		10		2 21-40%		
LWD	A	INTREAM VEG				☐ N ☒ A ☐ M ☐ V			
DIST	E								

Site Card

16-Jun-98

LB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY														
BED MATERIAL Dominant: G Subdom: C					DISTURBANCE INDICATORS									
D95: 20	D (cm): 20	Morph: RP												
					O1	B1	B2	B3	D1	D2	D3			
					☐	☐	☐	☐	☐	☐	☐			
					C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
					☐	☐	☐	☐	☐	☐	☐	☒	☒	☐
Pattern SI														
Islands O														
Bars ☐ N ☒ D ☒ P ☐ M ☐ T ☐ L														
Coupling DC														
Confinement OC														

FEATURE

FSZ	TRIB ☐	SC ☐	FG ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 18	F	17	ST	U LWD
R 18	F	18	ST	D log jam
R 18	F	22	ST	U elevated mid channel bars
R 18	F	23	ST	U elevated mid-channel bars

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	DV	
Spawning Habitat	P	G	DV	
OverWinter Habitat	P	F	DV	
Cover	P	G	DV	
Other				

WILDLIFE

COMMENT

Section	Comments
COVER	excellent Dolly Varden habitat
CHANNEL	channel dewater in places

Site Card

16-Jun-98

MORPHOLOGY

numerous bars

Site Card

16-Jun-98

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	BULKLEY RIVER
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED	
Gazetted Name	
Local Name	
Watershed Code	460-600600-50800-00500-2830-3778-000-000-000-000-000-000
ILP	1553
Map	93L.023
Reach #	1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
100	2100	93L.023		100	GE	H	☐
Date	1997/09/19	Time	16:10	Agency	C151	Crew	ST/TW

CHANNEL	
	method width width width width width width width width
Channel Width (m)	
Wetted Width (m)	
Pool Depth (m)	
	grad grad method
Method I	
Method II	
Wb Depth	
Stage	☐ L ☐ M ☐ H
No Vis.Ch.	☒
Intermittent	☐
Dw	☐
Tribs.	☐

WATER	
FLOOD SIGNS	Req #
	EMS
Temp.	Cond.
pH	Turb.
Method:	Method:
	☐ T ☐ M ☐ L ☐ G
	Method: GE

COVER	
COVER	Total %
SWD	LWD
B	C
DP	OV
IV	
LWD	
DIST	
	CROWN CLOSURE
	INTREAM VEG
	☐ N ☐ A ☐ M ☐ V

Site Card

16-Jun-98

LB SHP ☐	RIP ☐ C
Texture ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG ☐ MF
RB SHP ☐	RIP ☐ C
Texture ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG ☐ MF

MORPHOLOGY																																			
BED MATERIAL Dominant: ☐ Subdom: ☐ D95: ☐ D (cm): ☐ Morph: ☐	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>S3</td><td>S4</td><td>S5</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐	S3	S4	S5	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																													
☐	☐	☐	☐	☐	☐	☐																													
C1	C2	C3	C4	C5	S1	S2																													
☐	☐	☐	☐	☐	☐	☐																													
S3	S4	S5																																	
☐	☐	☐																																	
Pattern ☐ Islands ☐ Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L Coupling ☐ Confinement ☐																																			

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	FocLg	Dir	Comments
R 9	F	1	ST U gravel bar on mainstem at confluence

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawning Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	walked 70 m upstream from Shea mainstem found no confluence nor chann
CHANNEL	saw some seepage water above meadow (from air) but nothing to indicate p

Site Card

16-Jun-98

PROJECT										
Project Name			Northwood Pulp & Timber				Project Code		06-BABL-3085-0001-1998	
Stream Name (gaz.)			BULKLEY RIVER							
Project Watershed Code			460-000000-00000-00000-0000-000-000-000-000-000-000							
WATERSHED										
Gazetted Name			Local Name							
Watershed Code			460-600600-50800-00500-2830-3980-000-000-000-000-000							
ILP		1488	Map		93L.023		Reach #		1	
Site #	NID	Map	UTM(Zone/East/North/Method)			Site Lg	Method	Access	Fish Crd?	
108	2108	93L.023				100	GE	H	☒	
Date		1997/09/20		Time		12:15		Agency		C151
								Crew		ST/TW
CHANNEL										
		method	width	width	width	width	width	width	width	
Channel Width (m)		MS	6.5	3.5	3.4	3.0	5.5	5.3		
Wetted Width (m)		MS	4.3	2.0	1.7	3.0	3.1	1.7		
Pool Depth (m)		MS	0.0	0.1	0.4	0.6	0.4	0.2		
		grad	grad	method						
Method I		4.0	4.5	C						
Method II				C						
		Wb Depth		0.5		0.2		0.5		
		Stage		☒ L		☐ M		☐ H		
		No Vis.Ch.		☐		Intermittent		☐		
		Dw		☐		Trib.		☐		
WATER										
FLOOD SIGNS					Req #					
GRAVEL BARS/S					EMS					
Temp. 7					Cond. 40					
pH 7.1					Turb. ☐ T ☐ M ☐ L ☒ C					
Method: GE					Method: S3					
Method: T4					Method: GE					
Method: P3										
COVER										
COVER		Total		15		%				
SWD	LWD	B	C	DP	OV	IV				
	60		10	10	20					
		CROWN CLOSURE		3		41-70%				
LWD		A		INTREAM VEG		☐ N ☐ A ☐ M ☒ V				
DIST		E								

Site Card

16-Jun-98

LB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																			
BED MATERIAL Dominant: G Subdom: C D95: 20 D (cm): 20 Morph: RP	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>S3</td><td>S4</td><td>S5</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐	S3	S4	S5	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																													
☐	☐	☐	☐	☐	☐	☐																													
C1	C2	C3	C4	C5	S1	S2																													
☐	☐	☐	☐	☐	☐	☐																													
S3	S4	S5																																	
☐	☐	☐																																	
Pattern SI Islands N Bars ☐ N ☐ D ☒ P ☒ M ☐ T ☒ L Coupling DC Confinement OC																																			

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 9	F	24	ST	U view of channel
R 9	F	25	ST	D view of channel as it splits
R 10	F	1	ST	U view upstream from confluence
R 10	F	2	ST	BD mushrooms

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	no deep pools/ stream appears to dry up
Spawning Habitat	P	F	TR	decent gravel/ accessible in spring
OverWinter Habitat	P	P	TR	no deep pools
Cover	P	P	TR	limited
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	channel splits 40 m upstream looks like stream really gets up in the spring

Site Card

16-Jun-98

PROJECT											
Project Name				Northwood Pulp & Timber			Project Code		06-BABL-3085-0001-1998		
Stream Name (gaz.)				BULKLEY RIVER							
Project Watershed Code				460-000000-00000-00000-0000-000-000-000-000-000-000							
WATERSHED											
Gazetted Name				Local Name							
Watershed Code				460-600600-50800-00500-2830-4233-000-000-000-000-000-000							
ILP		1552		Map		93L.023		Reach #		1	
Site #	NID	Map	UTM(Zone/East/North/Method)			Site Lg	Method	Access	Fish Crd?		
109	2109	93L.023				100	GE	H	☐		
Date		1997/09/20		Time		13:35		Agency		C151	
								Crew	ST/TW		
CHANNEL											
		method		width		width		width		width	
Channel Width (m)											
Wetted Width (m)											
Pool Depth (m)											
		grad		grad		method					
Method I											
Method II											
Wb Depth											
Stage				☐ L		☐ M		☐ H			
No Vis. Ch.				☒		Intermittent		☐			
Dw				☐		Tribes		☐			
WATER											
FLOOD SIGNS				Req #							
				EMS							
Temp						Method					
pH						Method					
				Cond.				Method			
				Turb.		☐ T ☐ M ☐ L ☐ G		Method		GE	
COVER											
COVER				Total				%			
SWD		LWD		B		C		DP		OV	
CROWN CLOSURE				4		71-90%					
LWD											
DIST											
INTREAM VEG				☐ N		☐ A		☐ M		☐ V	

Site Card

16-Jun-98

LB SHP ☐	RIP ☐
Texture ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG ☐ MF
RB SHP ☐	RIP ☐
Texture ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG ☐ MF

MORPHOLOGY

BED MATERIAL	Dominant: ☐	Subdom: ☐	DISTURBANCE INDICATORS	O1	B1	B2	B3	D1	D2	D3			
D95: ☐	D (cm): ☐	Morph: ☐		☐	☐	☐	☐	☐	☐	☐			
				C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Pattern ☐

Islands ☐

Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L

Coupling ☐

Confinement ☐

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 10	F	3	ST	D view downstream
R 10	F	4	ST	BD view from helicopter
R 10	F	5	ST	BD view from helicopter

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawning Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	no channel
WATER	no water
MORPHOLOGY	no confluence with Shea mainstem

Site Card

16-Jun-98

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	BULKLEY RIVER
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000

WATERSHED	
Gazetted Name	
Local Name	
Watershed Code	460-600600-50800-00500-2830-4524-000-000-000-000-000-000
ILP	1709
Map	93L.033
Reach #	1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
231	1111	93L.033		100	GE	H	☒
Date	1997/09/21	Time	14:14	Agency	C151	Crew	DL/EN

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)	MS	5.8	2.3	3.7	4.1	3.3	2.9	3.4	
Wetted Width (m)	MS	1.5	2.1	1.8	1.9	2.0	2.4	1.9	
Pool Depth (m)	MS	0.3	0.4	0.3	0.3	0.2	0.1	0.1	
grad		grad		method					
Method I	11.0	8.0	C						
Method II	12.0	10.0	C						
Wb Depth		0.3		0.3		0.2			
Stage		☒ L		☐ M		☐ H			
No Vis.Ch.		☐		Intermittent		☐			
Dw		☐		Trib.		☐			

WATER	
FLOOD SIGNS	
Req #	
EMS	
Cond.	10
Method:	S3
Turb.	☐ T ☐ M ☒ L ☐ C
Method:	GE
Temp.	8
Method:	T4
pH	8.1
Method:	P3

COVER	
Total 35 %	
SWD	LWD
20	30
B	C
10	40
DP	OV
IV	
CROWN CLOSURE	
3 41-70%	
LWD	F
DIST	E
INTREAM VEG	
☐ N ☐ A ☒ M ☐ V	

Site Card

16-Jun-98

LB SHP V	RIP M
Texture ☒ F ☐ G ☒ C ☒ B ☐ R ☐ A	STG MF
RB SHP V	RIP M
Texture ☒ F ☐ G ☒ C ☒ B ☐ R ☐ A	STG MF

MORPHOLOGY																																											
BED MATERIAL Dominant: B Subdom: G D95: 45 D (cm): 40 Morph: CP	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>S3</td><td>S4</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>☐</td><td>☐</td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐						S3	S4						☐	☐
O1	B1	B2	B3	D1	D2	D3																																					
☐	☐	☐	☐	☐	☐	☐																																					
C1	C2	C3	C4	C5	S1	S2																																					
☐	☐	☐	☐	☐	☐	☐																																					
					S3	S4																																					
					☐	☐																																					
Pattern SI Islands N Bars ☐ N ☒ D ☒ P ☐ M ☐ T ☐ L Coupling PC Confinement FC																																											

FEATURE

FSZ ☐	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 20	F	26	ST	U channel dewater at 75 m
R 20	F	27	ST	U cascade over LWD
R 20	F	28	ST	U cascade over LWD

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	DV	
Spawning Habitat	P	G	DV	
OverWinter Habitat	P	F	DV	
Cover	P	G	DV	
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	channel dewater at 75 m upstream from mainstem
CHANNEL	channel fans out in mainstem

Site Card

16-Jun-98

PROJECT												
Project Name			Northwood Pulp & Timber				Project Code			06-BABL-3085-0001-1998		
Stream Name (gaz.)			BULKLEY RIVER									
Project Watershed Code			460-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED												
Gazetted Name			Local Name									
Watershed Code			460-600600-50800-00500-2830-4661-000-000-000-000-000-000									
ILP		1622		Map		93L.033		Reach #		1		
Site #	NID	Map	UTM(Zone/East/North/Method)				Site Lg	Method	Access	Fish Crd?		
230	1110	93L.033					100	GE	H	☒		
Date	1997/09/21		Time	13:30		Agency		C151		Crew	DLJEN	
CHANNEL												
		method	width	width	width	width	width	width	width	width		
Channel Width (m)		MS	2.3	3.1	3.3	3.7	3.6	4.1	2.2			
Wetted Width (m)		MS	1.8	1.4	1.6	1.9	2.4	1.9	1.8			
Pool Depth (m)		MS	0.2	0.3	0.2	0.2	0.3	0.2				
		grad	grad	method								
Method I		7.0	8.0	C								
Method II				C								
		Wb Depth		0.6		0.3		0.4				
		Stage		☒ L		☐ M		☐ H				
		No Vis. Ch.		☐		Intermittent		☐				
		Dw		☐		Tribes		☐				
WATER												
FLOOD SIGNS												
			Method:			GE						
Temp: 7.9			Method:			T4						
pH: 8.0			Method:			P3						
			Req #									
			EMS									
			Cond: 30			Method:			S3			
			Turb: ☐ T ☐ M ☐ L ☒ C			Method:			GE			
COVER												
COVER		Total		20		%						
SWD	LWD	B	C	DP	OV	IV						
10	10	25	30		20	5						
							CROWN CLOSURE					
							1 1-20%					
LWD		F		INTREAM VEG		☐ N ☒ A ☐ M ☐ V						
DIST		C										

Site Card

16-Jun-98

LB SHP V	RIP M
Texture ☐ F ☐ G ☒ C ☒ B ☐ R ☐ A	STG MF
RB SHP V	RIP M
Texture ☐ F ☐ G ☒ C ☒ B ☐ R ☐ A	STG MF

MORPHOLOGY																																			
BED MATERIAL Dominant: B Subdom: C D95: 40 D (cm): 30 Morph: RP	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☒</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>S3</td><td>S4</td><td>S5</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☒	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐	S3	S4	S5	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																													
☐	☐	☒	☐	☐	☐	☐																													
C1	C2	C3	C4	C5	S1	S2																													
☐	☐	☐	☐	☐	☐	☐																													
S3	S4	S5																																	
☐	☐	☐																																	
Pattern SI Islands N Bars ☐ N ☒ D ☐ P ☐ M ☐ T ☐ L Coupling PC Confinement FC																																			

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 20	F	24	ST	D eroded bank
R 20	F	25	ST	U boulder riffle and riparian vegetation

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	CT/DV	
Spawning Habitat	P	F	CT/DV	
OverWinter Habitat	P	P	CT/DV	
Cover	P	G	CT/DV	
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	numerous small cascades, obstructions to fish passage
CHANNEL	no barrier visible but does get steep

Site Card

16-Jun-98

PROJECT												
Project Name			Northwood Pulp & Timber				Project Code			06-BABL-3085-0001-1998		
Stream Name (gaz.)			BULKLEY RIVER									
Project Watershed Code			460-000000-00000-00000-0000-0000-000-000-000-000-000									
WATERSHED												
Gazetted Name			Local Name									
Watershed Code			460-600600-50800-00500-2830-4665-000-000-000-000-000									
ILP		1630		Map		93L.033		Reach #		1		
Site #	NID	Map	UTM(Zone/East/North/Method)				Site Lg	Method	Access	Fish Crd?		
228	1108	93L.033					100	GE	H	☒		
Date		1997/09/21		Time		12:01		Agency		C151		
								Crew		DL/EN		
CHANNEL												
		method		width		width		width		width		
Channel Width (m)		MS		2.2		1.7		2.3		2.1		
Wetted Width (m)		MS		1.0		0.9		1.1		1.3		
Pool Depth (m)		MS		0.1		0.1		0.2		0.1		
		grad		grad		method						
Method I		4.0		3.5		C						
Method II						C						
		Wb Depth		0.2		0.2		0.3				
		Stage		☒ L		☐ M		☐ H				
		No Vis.Ch.		☐		Intermittent		☐				
		Dw		☐		Trib.		☐				
WATER												
FLOOD SIGNS			Method: GE			Req #			EMS			
Temp. 7.6			Method: T4			Cond. 20			Method: S3			
pH 8.2			Method: P3			Turb. ☐ T ☐ M ☐ L ☒ G			Method: GE			
COVER												
COVER		Total		20		%		CROWN CLOSURE		1-20%		
SWD		LWD		B		C		DP		OV		
10		65		20		5						
LWD		F		INTREAM VEG		☐ N ☒ A ☐ M ☐ V						
DIST		E										

Site Card

16-Jun-98

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

MORPHOLOGY

BED MATERIAL Dominant: C Subdom: B D95: 36 D (cm): 20 Morph: RP	DISTURBANCE INDICATORS <table style="width: 100%; text-align: center;"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☒</td><td>☐</td> </tr> </table> <table style="width: 100%; text-align: center;"> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td> </tr> <tr> <td>☐</td><td>☐</td><td>☒</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☒	☐	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																													
☐	☐	☐	☐	☐	☒	☐																													
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																										
☐	☐	☒	☐	☐	☐	☐	☐	☐	☐																										

Pattern
Islands
Bars ☐ N ☒ D ☐ P ☐ M ☐ T ☐ L
Coupling
Confinement

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 20	F	19	ST	D cobble riffle (boot)
R 20	F	20	ST	U straight high bank, cobble/riffle
R 20	F	18	ST	U confluence with mainstem

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	F	DV/CT	
Spawning Habitat	P	F	DV/CT	
OverWinter Habitat	P	P	DV/CT	
Cover	P	P	DV/CT	
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	access to mainstem no all that easy during low water
COVER	habitat minimal during low water
SITE CARD	fish density low

Site Card

16-Jun-98

PROJECT												
Project Name			Northwood Pulp & Timber				Project Code			06-BABL-3085-0001-1998		
Stream Name (gaz.)			BULKLEY RIVER									
Project Watershed Code			460-000000-00000-00000-0000-000-000-000-000-000-000									
WATERSHED												
Gazetted Name			Local Name									
Watershed Code			460-600600-50800-00500-2830-4665-000-000-000-000-000									
ILP		1630		Map		93L.033		Reach #		2		
Site #	NID	Map	UTM(Zone/East/North/Method)				Site Lg	Method	Access	Fish Crd?		
229	1109	93L.033					100	GE	H	☒		
Date		1997/09/21		Time		12:45		Agency		C151		
								Crew		DL/EN		
CHANNEL												
		method		width		width		width		width		
Channel Width (m)		MS		1.2		1.1		0.9		1.5		
Wetted Width (m)		MS		0.9		1.0		0.9		0.8		
Pool Depth (m)		MS				0.2		0.2		0.2		
		grad		grad		method						
Method I		4.0		5.0		C						
Method II		4.0		4.0		C						
		Wb Depth		0.2		0.3		0.2				
		Stage		☒ L		☐ M		☐ H				
		No Vis.Ch.		☐		Intermittent		☐				
		Dw		☐		Trib.		☐				
WATER												
FLOOD SIGNS			Method: GE			Reg #			EMS			
Temp. 7.9			Method: T4			Cond. 10			Method: S3			
pH 8.1			Method: P3			Turb. ☐ T ☐ M ☒ L ☐ C			Method: GE			
COVER												
COVER		Total		20		%		CROWN CLOSURE				
SWD		LWD		B		C		DP		OV		
5		10		50		25		10		2		
LWD		F		INTREAM VEG		☐ N ☒ A ☒ M ☐ V						
DIST		E										

Site Card

16-Jun-98

LB SHP V	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP V	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																											
BED MATERIAL Dominant: B Subdom: C D95: 50 D (cm): 35 Morph: CP	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>S3</td><td>S4</td><td>S5</td> <td colspan="4"></td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td> <td colspan="4"></td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐	S3	S4	S5					☐	☐	☐				
O1	B1	B2	B3	D1	D2	D3																																					
☐	☐	☐	☐	☐	☐	☐																																					
C1	C2	C3	C4	C5	S1	S2																																					
☐	☐	☐	☐	☐	☐	☐																																					
S3	S4	S5																																									
☐	☐	☐																																									
Pattern ST																																											
Islands N																																											
Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L																																											
Coupling CO																																											
Confinement CO																																											

FEATURE

NID Number: NID Map #:
 TYPE: Height: Method: Length: Method:
 Roll #: Frame #: Comment:
 UTM (zone/easting/northing) Method

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc Lg	Dir	Comments
R 20 F 21 ST U			cobble/boulder riffle typical of reach
R 20 F 22 ST D			riparian vegetation, cobble/riffle
R 20 F 23 ST U			barrier = waterfall

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	F	TR	
Spawning Habitat	P	F	TR	
OverWinter Habitat	P	P	TR	
Cover	P	G	TR	
Other				

WILDLIFE

Site Card

16-Jun-98

COMMENT

Section	Comments
COVER	fish habitat is available but assume lack of overwinter habitat is a limiting fac

Site Card

16-Jun-98

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	BULKLEY RIVER
Project Watershed Code	460-000000-00000-00000-0000-000-000-000-000-000-000

WATERSHED	
Gazetted Name	
Local Name	
Watershed Code	460-600600-50800-00500-2830-4887-000-000-000-000-000-000
ILP	1647
Map	93L.033
Reach #	1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
226	1106	93L.033		100	GE	H	☐
Date	1997/09/21	Time	10:53	Agency	C151	Crew	DL/EN

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)									
Wetted Width (m)									
Pool Depth (m)									
	grad	grad	method						
Method I									
Method II									
				Wb Depth Stage ☐ L ☐ M ☐ H No Vis.Ch. ☒ Intermittent ☐ Dw ☐ Tribs. ☐					

WATER	
FLOOD SIGNS	
	Method:
Temp. 6	Method: T4
pH 8.3	Method: P3
Req #	
EMS	
Cond. 20	Method: S3
Turb. ☐ T ☒ M ☐ L ☐ G	Method: GE

COVER	
COVER	
Total %	
SWD	LWD
B	C
DP	OV
IV	
CROWN CLOSURE	
LWD	
DIST	
INTREAM VEG ☐ N ☐ A ☐ M ☐ V	

Site Card

16-Jun-98

LB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																											
BED MATERIAL Dominant: Subdom: D95: D (cm): Morph:	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>S3</td><td>S4</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>☐</td><td>☐</td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐						S3	S4						☐	☐
O1	B1	B2	B3	D1	D2	D3																																					
☐	☐	☐	☐	☐	☐	☐																																					
C1	C2	C3	C4	C5	S1	S2																																					
☐	☐	☐	☐	☐	☐	☐																																					
					S3	S4																																					
					☐	☐																																					
Pattern SI																																											
Islands																																											
Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L																																											
Coupling																																											
Confinement UN																																											

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 20	F	14	ST	U 30 m upstream of main creek creates off-channel habitat
R 20	F	15	ST	U dry channel

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	F	DV/CT	lower 15 m creates off channel rearing habita
Spawning Habitat	P	P	DV/CT	
OverWinter Habitat	P	P	DV/CT	
Cover	P	P	DV/CT	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	no electrofishing in upstream channel as channel is dry
CHANNEL	wetland channel that serves as off channel habitat to mainstem Shea, no fis
CHANNEL	should determine if channel exists upstream

Site Card

16-Jun-98

PROJECT												
Project Name			Northwood Pulp & Timber				Project Code			06-BABL-3085-0001-1998		
Stream Name (gaz.)			BULKLEY RIVER									
Project Watershed Code			460-000000-00000-00000-0000-0000-000-000-000-000-000									
WATERSHED												
Gazetted Name			Local Name									
Watershed Code			460-600600-50800-00500-2830-5031-000-000-000-000-000-000									
ILP		1648		Map		93L.033		Reach #		1		
Site #	NID	Map	UTM(Zone/East/North/Method)				Site Lg	Method	Access	Fish Crd?		
225	1105	93L.033					100	GE	H	☐		
Date		1997/09/21		Time		10:27		Agency		C151		
								Crew		DL/EN		
CHANNEL												
		method		width		width		width		width		
Channel Width (m)		MS		1.1		1.2		1.1		1.4		
Wetted Width (m)		MS		0.8		0.6		0.7		0.9		
Pool Depth (m)		MS		0.2		0.1		0.2		0.3		
		grad		grad		method						
Method I		45.0		40.0		C						
Method II						C						
		Wb Depth		0.1		0.2		0.2				
		Stage		☒ L		☐ M		☐ H				
		No Vis. Ch.		☐		Intermittent		☐				
		Dw		☐		Trib.		☐				
WATER												
FLOOD SIGNS			Method: GE			Req #						
Temp. 6.5			Method: T4			EMS						
pH 8.1			Method: P3			Cond. 30			Method: S3			
						Turb. ☐ T ☐ M ☐ L ☒ C			Method: GE			
COVER												
COVER		Total		20		%		CROWN CLOSURE				
SWD		LWD		B		C		DP		OV		
20		30		10		30				10		
LWD		F		INTREAM VEG		☐ N ☐ A ☐ M ☐ V						
DIST		E										

Site Card

16-Jun-98

LB SHP V	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP V	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY	
BED MATERIAL Dominant: C Subdom: R	DISTURBANCE INDICATORS
D95: 25 D (cm): 25 Morph: CP	O1 B1 B2 B3 D1 D2 D3
	☐ ☐ ☐ ☐ ☐ ☐ ☐
	C1 C2 C3 C4 C5 S1 S2 S3 S4 S5
	☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Pattern SI	
Islands N	
Bars ☐ N ☒ D ☐ P ☐ M ☐ T ☐ L	
Coupling PC	
Confinement FC	

FEATURE

NID Number: NID Map #:

TYPE: Height: Method: Length: Method:

Roll #: Frame #: Comment:

UTM (zone/easting/northing) Method

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 20	F	12	ST	U DL up steep slope from confluence
R 20	F	13	ST	D confluence

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	
Spawning Habitat	P	P	TR	
OverWinter Habitat	P	P	TR	
Cover	P	P	TR	
Other				

WILDLIFE

Site Card

16-Jun-98

COMMENT

Section	Comments
CHANNEL	no fish access from mainstem
SITE CARD	electrofished above cascade - no fish
CHANNEL	45.5 % slope over 30 m to mainstem

16-Jun-98

PROJECT										
Project Name		Northwood Pulp & Timber				Project Code		06-BABL-3085-0001-1998		
Stream Name (gaz.)		BULKLEY RIVER								
Project Watershed Code		460-000000-00000-00000-0000-0000-000-000-000-000-000-000								
WATERSHED										
Gazetted Name				Local Name						
Watershed Code		460-600600-50800-00500-2830-5038-000-000-000-000-000-000								
ILP		1649		Map		93L.033		Reach # 1		
Site #	NID	Map	UTM(Zone/East/North/Method)			Site Lg	Method	Access	Fish Crd?	
224	1104	93L.033				100	GE	H	☒	
Date		1997/09/21		Time		09:45		Agency		C151
								Crew		DL/EN
CHANNEL										
		method	width	width	width	width	width	width	width	
Channel Width (m)		MS	2.5	2.0	2.1	1.6	2.7	2.2		
Wetted Width (m)		MS	1.3	1.1	1.0	1.4	1.4	1.1		
Pool Depth (m)		MS	0.3	0.4	0.2	0.2	0.1	0.2		
		grad	grad	method						
Method I		8.5	8.0	C						
Method II				C						
		Wb Depth 0.2 0.2 0.2 Stage ☒ L ☐ M ☐ H No Vis.Ch. ☐ Intermittent ☐ Dw ☐ Tribs. ☐								
WATER										
FLOOD SIGNS										
NONE		Method:		GE						
Temp. 5.5		Method:		T4						
pH 8.3		Method:		P3						
		Req # EMS Cond: 10 Method: S3 Turb. ☐ T ☐ M ☐ L ☒ C Method: GE								
COVER										
COVER		Total		25 %						
SWD	LWD	B	C	DP	OV	IV				
10	30		50		10					
		CROWN CLOSURE 2 21-40%								
LWD		F		INTREAM-VEG ☐ N ☒ A ☒ M ☐ V						
DIST		E								

Site Card

16-Jun-98

LB SHP V Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	RIP M STG MF
RB SHP V Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	RIP M STG MF

MORPHOLOGY																																																
BED MATERIAL Dominant: G Subdom: C D95: 15 D (cm): 10 Morph: CP										DISTURBANCE INDICATORS <table style="width:100%; text-align: center;"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> </table> <table style="width:100%; text-align: center;"> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> </table>					O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																																										
☐	☐	☐	☐	☐	☐	☐																																										
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																																							
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																							
Pattern SI Islands N Bars ☐ N ☒ D ☒ P ☐ M ☐ T ☐ L Coupling PC Confinement FC																																																

FEATURE

NID Number: NID Map #:
 TYPE: Height: Method: Length: Method:
 Roll #: Frame #: Comment:
 UTM (zone/easting/northing) Method

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 20	F	6	ST U	falls 1m 50 m upstream of mainstem (Shea)
R 20	F	7	ST D	cascade pool habitat downstream from falls
R 20	F	8	ST U	small cascade 10 m upstream from mainstem (0.3M)
R 20	F	9	ST D	connection to mainstem accessible to fish

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	F	TR	
Spawning Habitat	P	F	TR	
OverWinter Habitat	P	F	TR	
Cover	P	F	TR	
Other				

Site Card

16-Jun-98

WILDLIFE

COMMENT

Section	Comments
CHANNEL	1 m falls 50 m upstream of mainstem - no fish caught
CHANNEL	10 m off creek small cascade creating an obstruction
CHANNEL	10 - 50 m of reach (bottom) are usable
SITE CARD	no fish caught anywhere within this site

Site Card

16-Jun-98

PROJECT									
Project Name	Northwood Pulp & Timber				Project Code	06-BABL-3085-0001-1998			
Stream Name (gaz.)	BULKLEY RIVER								
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-000								

WATERSHED									
Gazetted Name					Local Name				
Watershed Code	460-600600-50800-00500-2830-5314-000-000-000-000-000-000								
ILP	1659	Map	93L.033	Reach #	2				

Site #	NID	Map	UTM(Zone/East/North/Method)			Site Lg	Method	Access	Fish Crd?	
223	1103	93L.033				100	GE	H	☒	
Date	1997/09/20		Time	12:10		Agency	C151		Crew	DL/EN

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)	MS	2.0	1.6	1.4	1.2	1.3	1.0		
Wetted Width (m)	MS	2.0	1.6	1.7	1.0	0.8	0.8		
Pool Depth (m)	MS	0.2	0.2	0.2	0.1	0.3	0.2		

	grad	grad	method
Method I	2.5	1.5	C
Method II			C

Wb Depth	0.2	0.2	0.3
Stage	☒ L	☐ M	☐ H
No Vis.Ch.	☐	Intermittent ☐	
Dw	☐	Trib. ☐	

WATER									
FLOOD SIGNS					Req #				
					EMS				
Temp.	7.2	Method:	T4		Cond.	0	Method:	S3	
pH	7.6	Method:	P3		Turb.	☐ T ☐ M ☐ L ☒ C	Method:	GE	

COVER									
COVER		Total		15		%			
SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE		
10		65	15		10		2		
LWD	N		INTREAM VEG		☐ N ☒ A ☐ M ☐ V				
DIST	NA								

Site Card

16-Jun-98

LB SHP	S	RIP	M
Texture	☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG	MF
RB SHP	S	RIP	M
Texture	☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG	MF

MORPHOLOGY																	
BED MATERIAL				DISTURBANCE INDICATORS													
Dominant:		C		Subdom:		R		O1	B1	B2	B3	D1	D2	D3			
D95:		35		D (cm):		10		Morph:		RP		☐	☐	☐			
								C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
								☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Pattern		IR															
Islands		N															
Bars		☒ N ☐ D ☐ P ☐ M ☐ T ☐ L															
Coupling		DC															
Confinement		OC															

FEATURE

NID Number: NID Map #:

TYPE: Height: Method: Length: Method:

Roll #: Frame #: Comment:

UTM (zone/easting/northing) Method

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 19	F	25	ST	U falls
R 19	F	26	ST	U riparian vegetation
R 19	F	27	ST	D channel meandering through mossy boulders

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	
Spawning Habitat	P	P	TR	
OverWinter Habitat	P	P	TR	
Cover	P	P	TR	
Other				

WILDLIFE

Site Card

16-Jun-98

C O M M E N T

Section	Comments
COVER	very few pools deep enough to support fish

Site Card

16-Jun-98

PROJECT									
Project Name	Northwood Pulp & Timber					Project Code	06-BABL-3085-0001-1998		
Stream Name (gaz.)	BULKLEY RIVER								
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000								

WATERSHED									
Gazetted Name					Local Name				
Watershed Code	460-600600-50800-00500-2830-5549-000-000-000-000-000-000								
ILP	1654	Map	93L.033	Reach #	1				

Site #	NID	Map	UTM(Zone/East/North/Method)			Site Lg	Method	Access	Fish Crd?	
222	1102	93L.033				100	GE	H	☒	
Date	1997/09/20		Time	11:11		Agency	C151		Crew	DL/EN

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)	MS	2.2	1.9	2.4	1.7	1.8	2.2		
Wetted Width (m)	MS	1.2	1.7	1.1	1.2	1.1	1.7		
Pool Depth (m)	MS	0.2	0.3	0.2	0.3	0.3	0.2		

	grad	grad	method
Method I	3.0	4.0	C
Method II			C

Wb Depth	0.3	0.4	0.3
Stage	☒ L	☐ M	☐ H
No Vis.Ch.	☐	Intermittent ☐	
Dw	☐	Trib. ☐	

WATER									
FLOOD SIGNS					Req #				
NONE					EMS				
Temp: 7					Cond. 30				
pH 7.6					Turb. ☐ T ☐ M ☒ L ☐ C				
Method: GE					Method: S3				
Method: T4					Method: GE				
Method: P3									

COVER									
COVER							Total 30 %		
SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE		
5	50	5	30		10		2 21-40%		
LWD	F						INTREAM VEG ☐ N ☒ A ☒ M ☐ V		
DIST	E								

Site Card

16-Jun-98

LB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																													
BED MATERIAL Dominant: G Subdom: C				DISTURBANCE INDICATORS																																									
D95: 51 D (cm): 12 Morph: NS				<table><tr><td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td></tr><tr><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr><tr><td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td></tr><tr><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr></table>								O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																																							
☐	☐	☐	☐	☐	☐	☐																																							
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																																				
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																				
Pattern SI																																													
Islands N																																													
Bars ☐ N ☒ D ☐ P ☒ M ☐ T ☐ L																																													
Coupling DC																																													
Confinement OC																																													

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 19	F	23	ST	U small pool cascade
R 19	F	24	ST	D wd. cobble in channel

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	G	DV	
Spawning Habitat	P	G	DV	
OverWinter Habitat	P	P	DV	
Cover	P	G	DV	
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	connectivity no great to mainstem - channel dewater and small drop (0.3m)
MORPHOLOGY	D95 and D not specified, in order to continue data entry input arbitrary numb

16-Jun-98

COVER							
COVER		Total		25		%	
SWD	LWD	B	C	DP	OV	IV	
			25	50		25	
				CROWN CLOSURE			
LWD				INTREAM VEG ☐ N ☐ A ☐ M ☐ V			
DIST							

Site Card

16-Jun-98

LB SHP U	RIP W
Texture ☒ F ☒ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP U	RIP W
Texture ☒ F ☒ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																			
BED MATERIAL Dominant: Subdom: D95: D (cm): Morph:	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td></tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td></tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																													
☐	☐	☐	☐	☐	☐	☐																													
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																										
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																										
Pattern IM																																			
Islands O																																			
Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L																																			
Coupling DC																																			
Confinement UN																																			

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 19	F	1	ST	U instream vegetation, wetland
R 19	F	2	ST	D instream vegetation, deep channel

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	F	RSC	
Spawning Habitat	P	F	RSC	
OverWinter Habitat	P	G	RSC	
Cover	P	F	RSC	
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	wetland
SITE CARD	suggest more sampling with minnow traps

Site Card

16-Jun-98

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	BULKLEY RIVER
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000

WATERSHED	
Gazetted Name	
Local Name	
Watershed Code	460-600600-50800-00500-2830-5720-078-000-000-000-000-000
ILP	1683
Map	93L.033
Reach #	1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
220	1100	93L.033		100	GE	H	☐
Date	1997/09/19	Time	14:26	Agency	C151	Crew	DL/EN

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)	MS								
Wetted Width (m)	MS								
Pool Depth (m)	MS								
grad		grad		method					
Method I	50.0	50.0	C						
Method II			C						
Wb Depth									
Stage				☐ L ☐ M ☐ H					
No Vis.Ch.				☐ Intermittent ☐					
Dw ☒				Tribes. ☐					

WATER	
FLOOD SIGNS	
	Method: GE
Temp.	Method: T4
pH	Method: P3
Req #	
EMS	
Cond.	Method: S3
Turb.	☐ T ☐ M ☐ L ☐ C Method: GE

COVER	
COVER	
Total %	
SWD	LWD
B	C
DP	OV
IV	
CROWN CLOSURE	
3 41-70%	
LWD	
DIST	
INTREAM VEG ☐ N ☐ A ☐ M ☐ V	

Site Card

16-Jun-98

LB SHP V	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP V	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																			
BED MATERIAL Dominant: Subdom: D95: D (cm): Morph:	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td></tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td></tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																													
☐	☐	☐	☐	☐	☐	☐																													
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																										
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																										
Pattern																																			
Islands																																			
Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L																																			
Coupling																																			
Confinement																																			

FEATURE

FSZ ☐	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FLBV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 19	F	9	ST	U pool fed by subsurface flow
R 19	F	8	ST	U up 50 % 60 m off mainstem
R 19	F	10	ST	D DL down slope

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawning Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	gradient steepens 60 m off mainstem
CHANNEL	dewaters through mainstem floodplain
CHANNEL	no visible channel through floodplain

Site Card

16-Jun-98

PROJECT												
Project Name			Northwood Pulp & Timber				Project Code			06-BABL-3085-0001-1998		
Stream Name (gaz.)			BULKLEY RIVER									
Project Watershed Code			460-000000-00000-00000-0000-0000-000-000-000-000-000									

WATERSHED											
Gazetted Name			Local Name								
Watershed Code			460-600600-50800-00500-2830-5720-280-000-000-000-000-000								
ILP		1691		Map		93L.033		Reach #		1	

Site #	NID	Map	UTM (Zone/East/North/Method)			Site Lg	Method	Access	Fish Crd?		
218	1098	93L.033				100	GE	H	☒		
Date		1997/09/19		Time		15:02		Agency		C151	
								Grew		DL/EN	

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)	MS	1.3	1.0	1.7	2.2	2.1	3.2		
Wetted Width (m)	MS	0.7	0.8	1.1	1.0	1.1	0.9		
Pool Depth (m)	MS	0.1	0.2	0.2	0.3	0.2	0.2		

	grad	grad	method
Method I	9.0	8.0	C
Method II			C

Wb Depth	0.2	0.1	0.1
Stage	☒ L	☐ M	☐ H
No Vis. Ch.	☐	Intermittent ☐	
Dw	☐	Tribes. ☐	

WATER									
FLOOD SIGNS					Req #				
					EMS				
Temp 5					Cond. 40				
pH 7.6					Turb. ☐ T ☐ M ☐ L ☒ C				
Method: GE					Method: S3				
Method: T4					Method: GE				
Method: P3									

COVER									
COVER							Total 20 %		
SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE		
10	20		40		30		2 21-40%		
LWD F							INTREAM VEG ☐ N ☐ A ☒ M ☐ V		
DIST E									

Site Card

16-Jun-98

LB SHP	☒ S	RIP	☒ C
Texture	☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG	☒ MF
RB SHP	☒ S	RIP	☒ C
Texture	☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG	☒ MF

MORPHOLOGY																																													
BED MATERIAL Dominant: ☒ C Subdom: ☒ G				DISTURBANCE INDICATORS																																									
D95: 35 D (cm): 10 Morph: ☒ CP				<table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> </table>								O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																																							
☐	☐	☐	☐	☐	☐	☐																																							
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																																				
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																				
Pattern				☒ SI																																									
Islands				☒ N																																									
Bars				☐ N ☒ D ☐ P ☒ M ☐ T ☐ L																																									
Coupling				☒ PC																																									
Confinement				☒ FC																																									

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 19	F	3	ST	U boulder/ riffle
R 19	F	4	ST	D LWD
R 19	F	5	ST	U creek channel with overhanging vegetation

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	
Spawning Habitat	P	F	TR	
OverWinter Habitat	P	P	TR	
Cover	P	P	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
SITE CARD	suggest additional sampling at higher water to confirm fish absence
CHANNEL	channel dewater as approaches lake

16-Jun-98

PROJECT										
Project Name		Northwood Pulp & Timber				Project Code		06-BABL-3085-0001-1998		
Stream Name (gaz.)		BULKLEY RIVER								
Project Watershed Code		460-000000-00000-00000-0000-0000-000-000-000-000-000								
WATERSHED										
Gazetted Name				Local Name						
Watershed Code		460-600600-50800-00500-2830-5720-337-000-000-000-000-000								
ILP		1702		Map		93L.033		Reach # 1		
Site #	NID	Map	UTM(Zone/East/North/Method)			Site Lg	Method	Access	Fish Crd?	
232	1112	93L.033				100	GE	H	☐	
Date		1997/09/20		Time		10:22		Agency		C151
								Crew		DL/EN
CHANNEL										
		method	width	width	width	width	width	width	width	
Channel Width (m)										
Wetted Width (m)										
Pool Depth (m)										
		grad	grad	method						
Method I										
Method II										
		Wb Depth								
		Stage		☐ L	☐ M	☐ H				
		No Vls.Ch.		☒		Intermittent		☐		
		Dw		☐		Trib.		☐		
WATER										
FLOOD SIGNS				Method:						
Temp.				Method:						
pH				Method:						
		Reg #								
		EMS								
		Cond.				Method:				
		Turb.		☐ T	☐ M	☐ L	☐ C	Method: GE		
COVER										
COVER		Total				%				
SWD	LWD	B	C	DP	OV	IV				
		CROWN CLOSURE								
LWD				INTREAM VEG		☐ N	☐ A	☐ M	☐ V	
DIST										

Site Card

16-Jun-98

LB SHP ☐	RIP ☐
Texture ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG ☐
RB SHP ☐	RIP ☐
Texture ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG ☐

MORPHOLOGY													
BED MATERIAL Dominant: ☐ Subdom: ☐				DISTURBANCE INDICATORS									
D95: D (cm): Morph:				O1	B1	B2	B3	D1	D2	D3			
				☐	☐	☐	☐	☐	☐	☐			
				C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
				☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Pattern:													
Islands:													
Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L													
Coupling:													
Confinement:													

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments	
R 19	F	20	ST	U	wet area - channel
R 19	F	21	ST	U	wet area - feeding
R 19	F	22	ST	U	wet area

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawning Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	no visible channel outside of lake area only wet area in block

Site Card

16-Jun-98

PROJECT									
Project Name	Northwood Pulp & Timber					Project Code	06-BABL-3085-0001-1998		
Stream Name (gaz.)	BULKLEY RIVER								
Project Watershed Code	460-000000-00000-00000-0000-000-000-000-000-000-000								
WATERSHED									
Gazetted Name					Local Name				
Watershed Code	460-600600-50800-00500-2830-5720-509-000-000-000-000-000								
ILP	1703	Map	93L.033	Reach #	1				
Site #	NID	Map	UTM(Zone/East/North/Method)		Site Lg	Method	Access	Fish Crd?	
216	1096	93L.033			100	GE	H	☒	
Date	1997/09/19	Time	13:40	Agency	C151	Crew	DL/EN		
CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)	MS	1.2	1.1	0.8	1.4	1.6	0.9		
Wetted Width (m)	MS	0.9	0.8	0.8	0.6	0.9	0.8		
Pool Depth (m)	MS	1.0	0.2	0.2	0.1	0.1	0.1		
		grad	grad	method					
Method I	8.0	7.0	C						
Method II	10.0	11.0	C						
		Wb Depth		0.1	0.1	0.1			
		Stage		☒ L	☐ M	☐ H			
		No Vis. Ch.		☐	Intermittent		☐		
		Dw		☐	Trib.		☐		
WATER									
FLOOD SIGNS									
Method: GE					Req #				
Temp: 7 Method: T4					EMS				
pH: 7.6 Method: P3					Cond: 90 Method: S3				
					Turb: ☐ T ☐ M ☐ L ☒ C Method: GE				
COVER									
COVER							Total: 20 %		
SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE		
10	30		30		20	10	2 21-40%		
LWD	F					INTREAM VEG			
DIST	E					☐ N ☐ A ☒ M ☐ V			

Site Card

16-Jun-98

LB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP S	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																			
BED MATERIAL Dominant: G Subdom: C D95: 20 D (cm): 10 Morph: RP	DISTURBANCE INDICATORS <table border="0"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																													
☐	☐	☐	☐	☐	☐	☐																													
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																										
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																										
Pattern SI Islands I Bars ☐ N ☒ D ☐ P ☐ M ☐ T ☐ L Coupling PC Confinement FC																																			

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo		Foc	Lg	Dir	Comments
R 18	F	34	ST	U	subsurface flow
R 18	F	35	ST	U	gravels and minimal flow
R 18	F	36	ST	D	LWD and spawning channel

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	F	TR	
Spawning Habitat	P	F	TR	
OverWinter Habitat	P	P	TR	
Cover	P	P	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
channel	dewaters as it approaches confluence with mainstem
cover	very few pools to electrofish, very little fish habitat
channel	steep gradient (20%) 200 m from mainstem

Site Card

16-Jun-98

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	BULKLEY RIVER
Project Watershed Code	460-000000-00000-00000-0000-000-000-000-000-000-000

WATERSHED	
Gazetted Name	
Local Name	
Watershed Code	460-600600-50800-00500-2830-5720-533-000-000-000-000-000
ILP	1714
Map	93L.033
Reach #	1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
215	1095	93L.033		100	GE	H	☐
Date	1997/09/18	Time	13:17	Agency	C151	Grew	DL/EN

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)	MS	1.4	1.8	2.2	1.2	2.8	1.9		
Wetted Width (m)	MS	0.2	0.8	1.2	1.1	1.7	1.0		
Pool Depth (m)	MS								
grad		grad		method					
Method I	12.0	11.5	C						
Method II			C						
Wb Depth		0.3		0.3		0.4			
Stage		☐ L		☐ M		☐ H			
No Vis.Ch.		☐		Intermittent		☒			
Dw		☐		Tribes.		☐			

WATER	
FLOOD SIGNS	
Req #	
EMS	
Temp: 7.9	Method: T4
pH: 7.3	Method: P3
Cond: 90	Method: S3
Turb: ☐ T ☐ M ☐ L ☒ C	Method: GE

COVER	
Total 20 %	
SWD	LWD
20	30
B	C
	30
DP	OV
	10
IV	
	10
CROWN CLOSURE	
☐	
LWD	F
DIST	E
INTREAM VEG ☐ N ☐ A ☒ M ☐ V	

Site Card

16-Jun-98

LB SHP	S	RIP	M
Texture	☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG	MF
RB SHP	S	RIP	M
Texture	☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG	MF

MORPHOLOGY																																			
BED MATERIAL Dominant: C Subdom: G D95: 15 D (cm): 12 Morph: RP	DISTURBANCE INDICATORS <table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td></tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td></tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																													
☐	☐	☐	☐	☐	☐	☐																													
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																										
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																										
Pattern SI Islands I Bars ☐ N ☒ D ☐ P ☐ M ☐ T ☐ L Coupling PC Confinement OC																																			

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc Lg	Dir	Comments
R 18 F 32	ST	U	very little flow
R 18 F 33	ST	D	minimal flow

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	F	TR	
Spawning Habitat	P	F	TR	
OverWinter Habitat	P	P	TR	
Cover	P	P	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	channel dewatered 100 m upstream from confluence
COVER	150 - 200 m only usable habitat - upstream of this gradient rises to 20-30 %
WATER	not enough flow to electrofish - fish usage not suspected
SITE CARD	recommend additional sampling in spring to confirm fish absence

Site Card

16-Jun-98

PROJECT										
Project Name				Northwood Pulp & Timber			Project Code		06-BABL-3085-0001-1998	
Stream Name (gaz:)				BULKLEY RIVER						
Project Watershed Code				460-000000-00000-00000-0000-0000-000-000-000-000-000						

WATERSHED											
Gazetted Name				Local Name							
Watershed Code				460-600600-50800-00500-2830-5720-628-000-000-000-000-000							
ILP		1699		Map		93L.033		Reach #		1	

Site #	NID	Map	UTM(Zone/East/North/Method)				Site Lg	Method	Access	Fish Crd?
214	1094	93L.033					100	GE	H	☐

Date	Time	Agency	Crew
1997/09/19	12:32	C151	DL/EN

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)									
Wetted Width (m)									
Pool Depth (m)									

	grad	grad	method
Method I			
Method II			

Wb Depth			
Stage	☐ L	☐ M	☐ H
No Vis.Ch.	☒		
Intermittent	☐		
Dw.	☐		
Tribs.	☐		

WATER									
FLOOD SIGNS					Req #				
Method:					EMS				
Temp.					Cond.				
Method:					Method:				
pH					Turb.				
Method:					Method:				
					GE				

COVER									
COVER							Total %		
SWD	LWD	B	C	DP	OV	IV	CROWN CLOSURE		
LWD							INTREAM VEG		
DIST									

Site Card

16-Jun-98

LB SHP ☐	RIP ☐
Texture ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG ☐
RB SHP ☐	RIP ☐
Texture ☐ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG ☐

MORPHOLOGY																																											
BED MATERIAL Dominant: ☐ Subdom: ☐					DISTURBANCE INDICATORS																																						
D95: ☐ D (cm): ☐ Morph: ☐					<table border="1"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td> </tr> <tr> <td>S3</td><td>S4</td><td>S5</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td> </tr> </table>					O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	☐	☐	☐	☐	☐	☐	☐	S3	S4	S5	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																																					
☐	☐	☐	☐	☐	☐	☐																																					
C1	C2	C3	C4	C5	S1	S2																																					
☐	☐	☐	☐	☐	☐	☐																																					
S3	S4	S5																																									
☐	☐	☐																																									
Pattern ☐																																											
Islands ☐																																											
Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L																																											
Coupling ☐																																											
Confinement ☐																																											

FEATURE

FSZ ☐	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo		Foc	Lg	Dir	Comments
R 18	F	30	ST	U	RMA flagged area
R 18	F	31	ST	D	no visible channel

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat				
Spawning Habitat				
OverWinter Habitat				
Cover				
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	no visible channel, no connectivity to lake
COVER	wet area indicated by vegetation, flagged RMA
CHANNEL	no alluvium

Site Card

16-Jun-98

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	BULKLEY RIVER
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000

WATERSHED	
Gazetted Name	
Local Name	
Watershed Code	460-600600-50800-00500-2830-5720-637-000-000-000-000-000
ILP	1698
Map	93L.033
Reach #	1

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Crd?
213	1093	93L.033		100	GE	H	☐
Date	1997/09/19	Time	12:07	Agency	C151	Grew	DL/EN

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)	MS	1.0	1.1	0.7	0.6	0.8	0.5		
Wetted Width (m)	MS								
Pool Depth (m)	MS								
grad			grad		method				
Method I	23.0	25.0	C						
Method II			C						
Wb Depth									
Stage			☐ L ☐ M ☐ H						
No Vis. Ch.			☐						
Intermittent			☐						
Dw			☒						
Tribes.			☐						

WATER	
FLOOD SIGNS	
Req #	
EMS	
Cond.	
Method:	S3
Turb.	☐ T ☐ M ☐ L ☐ C
Method:	GE
Temp.	
Method:	T4
pH	
Method:	P3

COVER	
COVER	Total 5 %
SWD	LWD
B	C
DP	OV
IV	
100	
CROWN CLOSURE	
LWD	F
DIST	E
INTREAM VEG	
☐ N ☐ A ☐ M ☐ V	

Site Card

16-Jun-98

LB SHP V	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP V	RIP M
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																															
BED MATERIAL Dominant: C Subdom: F				DISTURBANCE INDICATORS																																											
D95: 10 D(cm): 10 Morph: NS				<table><tr><td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td></tr><tr><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr><tr><td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td></tr><tr><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr></table>										O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																																									
☐	☐	☐	☐	☐	☐	☐																																									
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																																						
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																						
Pattern ST																																															
Islands NS																																															
Bars ☐ N ☐ D ☐ P ☐ M ☐ T ☐ L																																															
Coupling CO																																															
Confinement CO																																															

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 18	F	28	ST	D dry vegetated channel - note bed material
R 18	F	29	ST	U dry channel - alluvium present

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	
Spawning Habitat	P	P	TR	
OverWinter Habitat	P	P	TR	
Cover	P	P	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	no visible channel connecting lake
CHANNEL	too steep for fish habitat at block 574-1 boundary
COVER	no overwintering habitat
WATER	barely a creek at all

Site Card

16-Jun-98

CHANNEL

heavily mossed channel indicating rarely wetted

Site Card

16-Jun-98

PROJECT										
Project Name				Northwood Pulp & Timber			Project Code		06-BABL-3085-0001-1998	
Stream Name (gaz.)				BULKLEY RIVER						
Project Watershed Code				460-000000-00000-00000-0000-0000-000-000-000-000-000-000						
WATERSHED										
Gazetted Name				Local Name						
Watershed Code				460-600600-50800-00500-2830-5720-682-000-000-000-000-000						
ILP		1712		Map		93L.033		Reach #		1
Site #	NID	Map	UTM(Zone/East/North/Method)			Site Lg	Method	Access	Fish Crd?	
212	1092	93L.033				100	GE	H	☐	
Date		1997/09/19		Time		11:23		Agency		C151
								Crew		DL/EN
CHANNEL										
		method		width		width		width		width
Channel Width (m)		MS		5.0		1.6		2.0		2.3
Wetted Width (m)		MS		1.5		0.9		1.0		1.2
Pool Depth (m)		MS		0.1		0.1		0.2		0.3
		grad		grad		method				
Method I		4.0		4.0		C				
Method II						C				
		Wb Depth		0.2		0.1		0.1		
		Stage		☒ L		☐ M		☐ H		
		No Vis Ch		☐		Intermittent		☐		
		Dw		☐		Tribes		☐		
WATER										
FLOOD SIGNS					Req #					
NONE					Method: GE					
Temp: 6.5					Method: T4					
pH: 7.3					Method: P3					
					EMS					
					Cond: 60					
					Method: S3					
					Turb: ☐ T ☐ M ☐ L ☒ C					
					Method: GE					
COVER										
COVER							Total			
							20 %			
SWD		LWD		B		C		DP		
10		40				30				
								OV		
								20		
								IV		
CROWN CLOSURE										
2							21.40%			
LWD		F		INTREAM VEG						
DIST		E		☐ N ☐ A ☐ M ☐ V						

Site Card

16-Jun-98

LB SHP V Texture ☒ F ☐ G ☐ G ☐ B ☐ R ☐ A	RIP M STG MF
RB SHP V Texture ☒ F ☐ G ☐ G ☐ B ☐ R ☐ A	RIP M STG MF

MORPHOLOGY

BED MATERIAL Dominant: C Subdom: G D95: 40 D (cm): 25 Morph: CP	DISTURBANCE INDICATORS <table style="width: 100%;"> <tr> <td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☒</td><td>☐</td><td>☐</td><td>☐</td> </tr> </table> <table style="width: 100%;"> <tr> <td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td> </tr> <tr> <td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☒</td><td>☐</td> </tr> </table>	O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☒	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐
O1	B1	B2	B3	D1	D2	D3																													
☐	☐	☐	☒	☐	☐	☐																													
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																										
☐	☐	☐	☐	☐	☐	☐	☐	☒	☐																										

Pattern
Islands
Bars ☐ N ☒ D ☐ P ☐ M ☐ T ☐ L
Coupling
Confinement

FEATURE

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 18	F	24	ST	U subsurface flow starts approximately 150 m upstream of lake
R 18	F	25	ST	U 40 % cascade (over 20 m high)
R 18	F	26	ST	U LWD
R 18	F	27	ST	D watered channel

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	F	TR	
Spawning Habitat	P	G	TR	
OverWinter Habitat	P	P	TR	
Cover	P	F	TR	
Other				

WILDLIFE

COMMENT

Section	Comments
CHANNEL	very little evidence of channel as it approaches lake, channel fans out and g
MORPHOLOGY	gradient goes to 40 % 250 m upstream of lake

Site Card

16-Jun-98

PROJECT	
Project Name	Northwood Pulp & Timber
Project Code	06-BABL-3085-0001-1998
Stream Name (gaz.)	BULKLEY RIVER
Project Watershed Code	460-000000-00000-00000-0000-0000-000-000-000-000-000-000

WATERSHED	
Gazetted Name	
Local Name	
Watershed Code	460-600600-50800-00500-2830-5907-000-000-000-000-000-000
ILP	1717
Map	93L.033
Reach #	3

Site #	NID	Map	UTM(Zone/East/North/Method)	Site Lg	Method	Access	Fish Grd?
221	1101	93L.033		100	GE	H	☐
Date	1997/09/20	Time	09:51	Agency	C151	Crew	DL/EN

CHANNEL									
	method	width	width	width	width	width	width	width	width
Channel Width (m)	MS	0.5	0.4	0.4	0.4	0.5	0.3	0.6	
Wetted Width (m)	MS	0.5	0.4	0.4	0.4	0.5	0.3	0.6	
Pool Depth (m)	MS	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
grad		grad		method					
Method I	24.0	24.0	C						
Method II			C						
Wb Depth		0.2		0.2		0.2			
Stage		☒ L		☐ M		☐ H			
No Vis.Ch.		☐		Intermittent		☐			
Dw		☐		Trib.		☐			

WATER	
FLOOD SIGNS	
Req #	
EMS	
Temp.	5.9
Method:	T4
pH	7.6
Method:	P3
Cond.	10
Method:	S3
Turb.	☐ T ☐ M ☐ L ☒ C
Method:	GE

COVER	
COVER	Total 30 %
SWD	LWD
10	30
B	C
10	30
DP	OV
10	5
IV	
5	
CROWN CLOSURE	
2	21-40%
LWD	F
DIST	E
INTREAM VEG	☐ N ☒ A ☐ M ☐ V

Site Card

16-Jun-98

LB SHP V	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF
RB SHP V	RIP C
Texture ☒ F ☐ G ☐ C ☐ B ☐ R ☐ A	STG MF

MORPHOLOGY																																													
BED MATERIAL Dominant: C Subdom: G						DISTURBANCE INDICATORS																																							
D95: 25 D (cm): 20 Morph: CP						<table><tr><td>O1</td><td>B1</td><td>B2</td><td>B3</td><td>D1</td><td>D2</td><td>D3</td></tr><tr><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr><tr><td>C1</td><td>C2</td><td>C3</td><td>C4</td><td>C5</td><td>S1</td><td>S2</td><td>S3</td><td>S4</td><td>S5</td></tr><tr><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td><td>☐</td></tr></table>						O1	B1	B2	B3	D1	D2	D3	☐	☐	☐	☐	☐	☐	☐	C1	C2	C3	C4	C5	S1	S2	S3	S4	S5	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
O1	B1	B2	B3	D1	D2	D3																																							
☐	☐	☐	☐	☐	☐	☐																																							
C1	C2	C3	C4	C5	S1	S2	S3	S4	S5																																				
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐																																				
Pattern ST																																													
Islands N																																													
Bars ☒ N ☐ D ☐ P ☐ M ☐ T ☐ L																																													
Coupling CO																																													
Confinement CO																																													

FEATURE

NID Number: NID Map #:

TYPE: Height: Method: Length: Method:

Roll #: Frame #: Comment:

UTM (zone/easting/northing) Method

FSZ	TRIB ☐	SC ☐	FC ☐	SWP/SLG ☐	FL/BV ☐
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PHOTO DOCUMENTATION

Photo	Foc	Lg	Dir	Comments
R 19	F	18	ST	D gradient = 24 %
R 19	F	19	ST	U towards headwater meadow

HABITAT QUALITY

Name	Zone	Quality	Species	Comments
Rearing Habitat	P	P	TR	
Spawning Habitat	P	P	TR	
OverWinter Habitat	P	P	TR	
Cover	P	P	TR	
Other				

WILDLIFE

Site Card

16-Jun-98

Group	Observations
INVERTEBRATES	fresh water clams

C O M M E N T

Section	Comments
CHANNEL	numerous cascades throughout, none >1 m observed

END OF REPORT

