

# FDIS Site Card

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 Reach # 1.0 ILP Map # 103P.095 ILP # 9013 Site # 1

## PROJECT

Project Name: NTL 2010 Field Work  
 Stream Name (gaz.): NASS RIVER Project Code: 20255  
 Project Watershed Code: 500-000000-00000-00000-0000-0000-000-000-000-000-000-000

## WATERSHED

Gazetted Name: Local Name:  
 Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 ILP Map #: 103P.095 ILP #: 9013 NID Map #: 103P.095 NID #: 90014 Reach #: 1.0 Site #: 1  
 Field UTM (Z.E.N): .. Method: Site Lg: 50 Method: GE Access: FT  
 GIS UTM (Z.E.N): 9.497898.6205466 Ref. Name:  
 Date: 2010/08/21 Time: 13:54 Agency: C660 Crew: SJ JW Fish Crd?:  Incomplete:

## CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg		Gadient %	Mtd	Avg
Channel Width (m):	T											0.00	Method I:		C	0.00
Wetted Width (m):	MS											0.00	Method II:		C	
Pool Depth (m):	MS											0.00				

Wb Depth:  Avg: 0.00 Method: MS Stage: L  M  H   
 No Vis.Ch.:  Intermittent:   
 Dw:  Tribs.:

COVER Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CROWN CLOSURE  
 INSTREAM VEG: N  A  M  V   
 LWD: DIST:  
 LB SHP: RB SHP:  
 Texture: F  G  C  B  R  A   
 RIP: STG:

## WATER

EMS: Req #:  
 Temp: Method: T5 Cond.: Method: S3  
 pH: Method: P2 Turb.: T  M  L  C  Method: GE  
 Flood Signs: Method:

## MORPHOLOGY

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

## PHOTOS

Photo	Foc Lg	Dir	Comments
R: 9013 F: 418	STD	X	Card
R: 9013 F: 419	STD	U	

## COMMENTS

Section	Comments
CHANNEL	NCD



Stream/ILP: 9013 Image: 419 Comment: Upstream, . 8/21/2010.

# FDIS Site Card

Watershed Code: 000-000000-00000-00000-00000-0000-000-000-000-000-000-000  
 Reach # 1.0 ILP Map # 103P.095 ILP # 9014 Site # 1

## PROJECT

Project Name: NTL 2010 Field Work  
 Stream Name (gaz.): NASS RIVER Project Code: 20255  
 Project Watershed Code: 500-000000-00000-00000-00000-0000-000-000-000-000-000-000

## WATERSHED

Gazetted Name: Local Name:  
 Watershed Code: 000-000000-00000-00000-00000-0000-000-000-000-000-000-000  
 ILP Map #: 103P.095 ILP #: 9014 NID Map #: 103P.095 NID #: 90015 Reach #: 1.0 Site #: 1  
 Field UTM (Z.E.N): .. Method: Site Lg: 50 Method: GE Access: FT  
 GIS UTM (Z.E.N): 9.497540.6205958 Ref. Name:  
 Date: 2010/08/21 Time: 14:40 Agency: C660 Crew: SJ JW Fish Crd?:  Incomplete:

## CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg		Gadient %	Mtd	Avg	
Channel Width (m):	HC	10.00	9.60	8.50	8.70	11.10	9.00					9.48		Method I: 3.0	4.0	GE	3.50
Wetted Width (m):	HC	1.90	3.50	3.20	4.40	4.40	4.00					3.57		Method II:			
Pool Depth (m):	MS	0.10	0.20									0.15					

Wb Depth: 1.2 1.0 Avg: 1.10 Method: MS Stage: L  M  H   
 No Vis.Ch.:  Intermittent:   
 Dw:  Tribs.:

COVER Total: A

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	T	D	N	N	T	N
Loc: P/S/O:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

CROWN CLOSURE

2 21-40%

INSTREAM VEG: N  A  M  V

LWD: N DIST: NA

LB SHP: S

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

## WATER

EMS: Temp: 14 Method: T4 Req #: Cond.: 74 Method: S3  
 pH: 8.5 Method: P2 Turb.: T  M  L  C  Method: GE  
 Flood Signs: Occasional rafted st Method: GE

## MORPHOLOGY

Bed Material: Dominant: C Subdom: B O1 B1 B2 B3 D1 D2 D3  
 D95: 90.0 D (cm): 16.00 Morph: CP DISTURBANCE INDICATORS          
 Pattern: ST C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
 Islands: N             
 Coupling: DC Bars: N  SIDE  DIAG  MID  SPAN  BR   
 Confinement: OC  
 FSZ:

## HABITAT QUALITY

Name	Comments
OverWinter Habitat	FAIR - No deep pools
Spawning Habitat	FAIR - Occasional sand patches for D.V.
Rearing Habitat	GOOD -

## PHOTOS

Photo	Foc Lg	Dir	Comments
R: 9014 F: 420	STD	X	Card
R: 9014 F: 421	STD	U	Channel
R: 9014 F: 422	STD	D	Channel

# FDIS Site Card

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 Reach # 1.0 ILP Map # 103P.095 ILP # 9014 Site 1

PHOTOS				
Photo		Foc Lg	Dir	Comments
R: 9014	F: 423	STD	U	JW
R: 9014	F: 424	STD	D	JW
COMMENTS				
Section		Comments		
CHANNEL		S2 - ROW crosses gully area try to preserve rip veg. as much as possible since roots stabilize banks and channel in this xing. Often woods in crossing up to 35 m high - try to preserve them. Dolly Varden observed in channel - fry and adults (15 - 18 cm)		





Stream/ILP: 9014 Image: 421 Comment: Upstream, Channel. 8/21/2010.



Stream/ILP: 9014 Image: 422 Comment: Downstream, Channel. 8/21/2010.

# FDIS Site Card

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 Reach # 1.0 ILP Map # 103A.005 ILP # 9015 Site # 1

## PROJECT

Project Name: NTL 2010 Field Work  
 Stream Name (gaz.): NASS RIVER Project Code: 20255  
 Project Watershed Code: 500-000000-00000-00000-0000-0000-000-000-000-000-000-000

## WATERSHED

Gazetted Name: Local Name:  
 Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 ILP Map #: 103A.005 ILP #: 9015 NID Map #: 103P.096 NID #: 90017 Reach #: 1.0 Site #: 1  
 Field UTM (Z.E.N): .. Method: Site Lg: 75 Method: GE Access: FT  
 GIS UTM (Z.E.N): 9.497314.6206523 Ref. Name:  
 Date: 2010/08/21 Time: 16:00 Agency: C660 Crew: SJ JW Fish Crd?:  Incomplete:

## CHANNEL

Mtd	width	width	width	width	width	width	width	width	width	width	Avg	Gadient %	Mtd	Avg
Channel Width (m):	T										0.00	Method I:		C 0.00
Wetted Width (m):	MS										0.00	Method II:		C
Pool Depth (m):	MS										0.00			

Wb Depth:  Avg: 0.00 Method: MS Stage: L  M  H   
 No Vis.Ch.:  Intermittent:   
 Dw:  Tribs.:

COVER Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CROWN CLOSURE  
 INSTREAM VEG: N  A  M  V   
 LWD: DIST:  
 LB SHP: RB SHP:  
 Texture: F  G  C  B  R  A   
 RIP: STG:

## WATER

EMS: Req #:  
 Temp: Method: T5 Cond.: Method: S3  
 pH: Method: P2 Turb.: T  M  L  C  Method: GE  
 Flood Signs: Method:

## MORPHOLOGY

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

## PHOTOS

Photo	Foc Lg	Dir	Comments
R: 9015 F: 425	STD	X	Card
R: 9015 F: 426	STD	U	Upstream gully

## COMMENTS

Section	Comments
CHANNEL	NCD - Crossing's ROW at waypoint. Also is a dactivated culvert crossing an old road. Brushy alder/oster swale which is dry



Stream/ILP: 9015 Image: 426 Comment: Upstream, Upstream gully. 8/21/2010.



# FDIS Site Card

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 Reach # 1.0 ILP Map # 104A.005 ILP # 9016 Site # 1

## PROJECT

Project Name: NTL 2010 Field Work  
 Stream Name (gaz.): NASS RIVER Project Code: 20255  
 Project Watershed Code: 500-000000-00000-00000-0000-0000-000-000-000-000-000-000

## WATERSHED

Gazetted Name: Local Name:  
 Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 ILP Map #: 104A.005 ILP #: 9016 NID Map #: 104A.055 NID #: 90018 Reach #: 1.0 Site #: 1  
 Field UTM (Z.E.N): .. Method: Site Lg: 25 Method: GE Access: V4  
 GIS UTM (Z.E.N): 9.497031.6207093 Ref. Name:  
 Date: 2010/08/22 Time: 10:00 Agency: C660 Crew: SJ JW Fish Crd?:  Incomplete:

## CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg		Gadient %	Mtd	Avg
Channel Width (m):	T											0.00	Method I:		C	0.00
Wetted Width (m):	MS											0.00	Method II:		C	
Pool Depth (m):	MS											0.00				

Wb Depth:  Avg: 0.00 Method: MS Stage: L  M  H   
 No Vis.Ch.:  Intermittent:   
 Dw:  Tribs.:

COVER Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CROWN CLOSURE  
 INSTREAM VEG: N  A  M  V   
 LB SHP: RB SHP:  
 Texture: F  G  C  B  R  A   
 RIP: STG:

## WATER

EMS: Req #:  
 Temp: Method: T5 Cond.: Method: S3  
 pH: Method: P2 Turb.: T  M  L  C  Method: GE  
 Flood Signs: Method:

## MORPHOLOGY

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

## PHOTOS

Photo	Foc Lg	Dir	Comments
R: 9016 F: 427	STD	X	card
R: 9016 F: 428	STD	X	Ditch seepage across road - dry

## COMMENTS

Section	Comments
CHANNEL	NCD



Stream/ILP: 9016 Image: 428 Comment: Across, Ditch seepage across road - dry. 8/22/2010.

# FDIS Site Card

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 Reach # 1.0 ILP Map # 104A.005 ILP # 9017 Site # 1

## PROJECT

Project Name: NTL 2010 Field Work  
 Stream Name (gaz.): NASS RIVER Project Code: 20255  
 Project Watershed Code: 500-000000-00000-00000-0000-0000-000-000-000-000-000-000

## WATERSHED

Gazetted Name: \_\_\_\_\_ Local Name: \_\_\_\_\_  
 Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 ILP Map #: 104A.005 ILP #: 9017 NID Map #: 104A.005 NID #: 90019 Reach #: 1.0 Site #: 1  
 Field UTM (Z.E.N): .. Method: \_\_\_\_\_ Site Lg: 25 Method: GE Access: V4  
 GIS UTM (Z.E.N): 9.496982.6207277 Ref. Name: \_\_\_\_\_  
 Date: 2010/08/22 Time: 10:13 Agency: C660 Crew: SJ JW Fish Crd?:  Incomplete:

## CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg		Gadient %	Mtd	Avg
Channel Width (m):	T											0.00	Method I:		C	0.00
Wetted Width (m):	MS											0.00	Method II:		C	
Pool Depth (m):	MS											0.00				

Wb Depth:  Avg: 0.00 Method: MS Stage: L  M  H   
 No Vis.Ch.:  Intermittent:   
 Dw:  Tribs.:

COVER Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CROWN CLOSURE

INSTREAM VEG: N  A  M  V

LWD: \_\_\_\_\_ DIST: \_\_\_\_\_  
 LB SHP: \_\_\_\_\_  
 Texture: F  G  C  B  R  A   
 RIP: \_\_\_\_\_  
 STG: \_\_\_\_\_

RB SHP: \_\_\_\_\_  
 Texture: F  G  C  B  R  A   
 RIP: \_\_\_\_\_  
 STG: \_\_\_\_\_

## WATER

EMS: \_\_\_\_\_ Req #: \_\_\_\_\_  
 Temp: \_\_\_\_\_ Method: T5 Cond.: \_\_\_\_\_ Method: S3  
 pH: \_\_\_\_\_ Method: P2 Turb.: T  M  L  C  Method: GE  
 Flood Signs: \_\_\_\_\_ Method: \_\_\_\_\_

## MORPHOLOGY

Bed Material: Dominant: Subdom: O1 B1 B2 B3 D1 D2 D3  
 D95: D (cm): Morph: DISTURBANCE INDICATORS            
 Pattern: C1 C2 C3 C4 C5 S1 S2 S3 S4 S5  
 Islands:                 
 Coupling: \_\_\_\_\_  
 Confinement: \_\_\_\_\_ Bars: N  SIDE  DIAG  MID  SPAN  BR   
 FSZ:

## PHOTOS

Photo	Foc Lg	Dir	Comments
R: 9017 F: 429	STD	X	card
R: 9017 F: 430	STD	U	Puddle at ditch

## COMMENTS

Section	Comments
CHANNEL	NCD - Seep through road bed.



Stream/ILP: 9017 Image: 430 Comment: Upstream, Puddle at ditch. 8/22/2010.

# FDIS Site Card

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 Reach # 1.0 ILP Map # 104A.005 ILP # 9018 Site # 1

## PROJECT

Project Name: NTL 2010 Field Work  
 Stream Name (gaz.): NASS RIVER Project Code: 20255  
 Project Watershed Code: 500-000000-00000-00000-0000-0000-000-000-000-000-000-000

## WATERSHED

Gazetted Name: Local Name:  
 Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 ILP Map #: 104A.005 ILP #: 9018 NID Map #: 104A.005 NID #: 90020 Reach #: 1.0 Site #: 1  
 Field UTM (Z.E.N): .. Method: Site Lg: 25 Method: GE Access: V4  
 GIS UTM (Z.E.N): 9.496953.6207313 Ref. Name:  
 Date: 2010/08/22 Time: 10:26 Agency: C660 Crew: SJ JW Fish Crd?:  Incomplete:

## CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg		Gadient %	Mtd	Avg
Channel Width (m):	T											0.00	Method I:		C	0.00
Wetted Width (m):	MS											0.00	Method II:		C	
Pool Depth (m):	MS											0.00				

Wb Depth:  Avg: 0.00 Method: MS Stage: L  M  H   
 No Vis.Ch.:  Intermittent:   
 Dw:  Tribs.:

COVER Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CROWN CLOSURE  
 INSTREAM VEG: N  A  M  V   
 LB SHP: RB SHP:  
 Texture: F  G  C  B  R  A   
 RIP: STG:

## WATER

EMS: Req #: Method: T5 Cond.: Method: S3  
 Temp: Method: P2 Turb.: T  M  L  C  Method: GE  
 pH: Method: Flood Signs:

## MORPHOLOGY

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

## PHOTOS

Photo	Foc Lg	Dir	Comments
R: 9018 F: 431 STD X		flag	
R: 9018 F: 432 STD U		seepage puddle upstream of road	

## COMMENTS

Section	Comments
CHANNEL	NCD - assessed at deactivated road 50m downstream of ROW



Stream/ILP: 9018 Image: 432 Comment: Upstream, Seepage puddle upstream of road.  
8/22/2010.

# FDIS Site Card

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 Reach # 1.0 ILP Map # 104A.005 ILP # 9019 Site # 1

## PROJECT

Project Name: NTL 2010 Field Work  
 Stream Name (gaz.): NASS RIVER Project Code: 20255  
 Project Watershed Code: 500-000000-00000-00000-0000-0000-000-000-000-000-000-000

## WATERSHED

Gazetted Name: Local Name:  
 Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 ILP Map #: 104A.005 ILP #: 9019 NID Map #: 104A.005 NID #: 90021 Reach #: 1.0 Site #: 1  
 Field UTM (Z.E.N): .. Method: Site Lg: 50 Method: GE Access: FT  
 GIS UTM (Z.E.N): 9.496804.6207595 Ref. Name:  
 Date: 2010/08/22 Time: 10:45 Agency: C660 Crew: SJ JW Fish Crd?:  Incomplete:

## CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg	Gadient %	Mtd	Avg	
Channel Width (m):	T											0.00	Method I:		C	0.00
Wetted Width (m):	MS											0.00	Method II:		C	
Pool Depth (m):	MS											0.00				

Wb Depth:  Avg: 0.00 Method: MS Stage: L  M  H   
 No Vis.Ch.:  Intermittent:   
 Dw:  Tribs.:

COVER Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CROWN CLOSURE  
 INSTREAM VEG: N  A  M  V   
 LB SHP: RB SHP:  
 Texture: F  G  C  B  R  A   
 RIP: STG:

## WATER

EMS: Req #:  
 Temp: Method: T5 Cond.: Method: S3  
 pH: Method: P2 Turb.: T  M  L  C  Method: GE  
 Flood Signs: Method:

## MORPHOLOGY

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

## PHOTOS

Photo	Foc Lg	Dir	Comments
R: 9019 F: 433		X	flag
R: 9019 F: 434		U	Jarvis

## COMMENTS

Section	Comments
CHANNEL	NCD



Stream/ILP: 9019 Image: 434 Comment: Upstream, With assistant. 8/22/2010.



# FDIS Site Card

Watershed Code: 000-000000-00000-00000-00000-0000-000-000-000-000-000-000  
 Reach # 1.0 ILP Map # 104A.005 ILP # 9020 Site # 1

## PROJECT

Project Name: NTL 2010 Field Work  
 Stream Name (gaz.): NASS RIVER Project Code: 20255  
 Project Watershed Code: 500-000000-00000-00000-00000-0000-000-000-000-000-000-000

## WATERSHED

Gazetted Name: Local Name:  
 Watershed Code: 000-000000-00000-00000-00000-0000-000-000-000-000-000-000  
 ILP Map #: 104A.005 ILP #: 9020 NID Map #: 104A.005 NID #: 90022 Reach #: 1.0 Site #: 1  
 Field UTM (Z.E.N): .. Method: Site Lg: 75 Method: GE Access: FT  
 GIS UTM (Z.E.N): 9.496375.6208656 Ref. Name:  
 Date: 2010/08/22 Time: 12:21 Agency: C660 Crew: SJ JW Fish Crd?:  Incomplete:

## CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg		Gadient %	Mtd	Avg
Channel Width (m):	T	2.90	4.00	3.90								3.60	Method I:	25.0	C	25.00
Wetted Width (m):	MS	1.80	0.80	1.40								1.33	Method II:			
Pool Depth (m):	MS	0.35	0.25									0.30				

Wb Depth: .6 .5 Avg: 0.55 Method: MS Stage: L  M  H   
 No Vis.Ch.:  Intermittent:   
 Dw:  Tribs.:

COVER Total: A

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:	T	S	D	N	N	S	N
Loc: P/S/O:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

CROWN CLOSURE  
 3 41-70%  
 INSTREAM VEG: N  A  M  V

LWD: A DIST: C  
 LB SHP: V  
 Texture: F  G  C  B  R  A   
 RIP: C  
 STG: MF

RB SHP: V  
 Texture: F  G  C  B  R  A   
 RIP: C  
 STG: MF

## WATER

EMS: Temp: 10 Method: T4 Req #: Cond.: 112 Method: S3  
 pH: 8.7 Method: P2 Turb.: T  M  L  C  Method: GE  
 Flood Signs: NONE Method: GE

## MORPHOLOGY

Bed Material: Dominant: C Subdom: G O1 B1 B2 B3 D1 D2 D3  
 D95: 60.0 D (cm): 13.00 Morph: CP DISTURBANCE INDICATORS  
 Pattern: SI Islands: N Coupling: CO Confinement: EN FSZ:   
 Bars: N  SIDE  DIAG  MID  SPAN  BR

## FEATURES

NID Map	NID	Type	Hgt	Method	Lg	Method	Photo	AirPhoto	UTM (Z/E/N)	Method
104A.005	90024	F	5.0	GE			R: 9020 F: 437 L:	#:	9.496375.6208660	GP3
Comments: 4 m falls										
104A.005	90023	F	20.0	GE			R: 9020 F: 436 L:	#:	9.496375.6208656	GP3
Comments: 20 M Falls										

## HABITAT QUALITY

Name: Comments:

# FDIS Site Card

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 Reach # 1.0 ILP Map # 104A.005 ILP # 9020 Site 1

HABITAT QUALITY					
Name		Comments			
OverWinter Habitat		NONE - no pools			
Rearing Habitat		FAIR - No deep pools			
Spawning Habitat		NONE - Substrat is too big for DV			
PHOTOS					
Photo		Foc Lg	Dir	Comments	
R: 9020	F: 436	STD	X	Card	
R: 9020	F: 438	STD	D	JW	
R: 9020	F: 439	STD	U	4 m falls	
COMMENTS					
Section		Comments			
CHANNEL		S3 - Power line crosses deep gorge, 20 - 30 m. Also 25 m waterfalls downstream. ROW and barrier to fish. Multiple barriers seen so unlikely to support fish.			





Stream/ILP: 9020 Image: 438 Comment: Downstream, With assistant. 8/22/2010.



Stream/ILP: 9020 Image: 439 Comment: Upstream, 4 m falls. 8/22/2010.

# FDIS Site Card

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 Reach # 1.0 ILP Map # 104A.005 ILP # 9021 Site # 1

## PROJECT

Project Name: NTL 2010 Field Work  
 Stream Name (gaz.): NASS RIVER Project Code: 20255  
 Project Watershed Code: 500-000000-00000-00000-0000-0000-000-000-000-000-000-000

## WATERSHED

Gazetted Name: Local Name:  
 Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 ILP Map #: 104A.005 ILP #: 9021 NID Map #: 104A.005 NID #: 90025 Reach #: 1.0 Site #: 1  
 Field UTM (Z.E.N): .. Method: Site Lg: 50 Method: GE Access: H  
 GIS UTM (Z.E.N): 9.496336.6208809 Ref. Name:  
 Date: 2010/08/22 Time: 13:35 Agency: C660 Crew: MJ VR Fish Crd?:  Incomplete:

## CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg		Gadient %	Mtd	Avg
Channel Width (m):	T											0.00	Method I:		C	0.00
Wetted Width (m):	MS											0.00	Method II:		C	
Pool Depth (m):	MS											0.00				

Wb Depth:  Avg: 0.00 Method: MS Stage: L  M  H   
 No Vis.Ch.:  Intermittent:   
 Dw:  Tribs.:

COVER Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CROWN CLOSURE  
 INSTREAM VEG: N  A  M  V   
 LB SHP: RB SHP:  
 Texture: F  G  C  B  R  A   
 RIP: STG:

## WATER

EMS: Req #:  
 Temp: Method: T5 Cond.: Method: S3  
 pH: Method: P2 Turb.: T  M  L  C  Method: GE  
 Flood Signs: Method:

## MORPHOLOGY

Bed Material:	Dominant:	Subdom:	O1	B1	B2	B3	D1	D2	D3			
D95:	D (cm):	Morph:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Pattern:			C1	C2	C3	C4	C5	S1	S2	S3	S4	S5
Islands:			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coupling:												
Confinement:												
FSZ: <input type="checkbox"/>			Bars:	N <input type="checkbox"/>	SIDE <input type="checkbox"/>	DIAG <input type="checkbox"/>	MID <input type="checkbox"/>	SPAN <input type="checkbox"/>	BR <input type="checkbox"/>			

## PHOTOS

Photo	Foc Lg	Dir	Comments
R: 9021 F: 440	STD	X	card
R: 9021 F: 441	STD	X	JW and devils club vegetation

## COMMENTS

Section	Comments
CHANNEL	NCD - assessed in mature forest



Stream/ILP: 9021 Image: 441 Comment: Across, With assistant and devils club. 8/22/2010.

# FDIS Site Card

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 Reach # 1.0 ILP Map # 104A.005 ILP # 9022 Site # 1

## PROJECT

Project Name: NTL 2010 Field Work  
 Stream Name (gaz.): NASS RIVER Project Code: 20255  
 Project Watershed Code: 500-000000-00000-00000-0000-0000-000-000-000-000-000-000

## WATERSHED

Gazetted Name: Local Name:  
 Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 ILP Map #: 104A.005 ILP #: 9022 NID Map #: 104A.005 NID #: 90026 Reach #: 1.0 Site #: 1  
 Field UTM (Z.E.N): .. Method: Site Lg: 50 Method: GE Access: H  
 GIS UTM (Z.E.N): 9.495977.6209733 Ref. Name:  
 Date: 2010/08/22 Time: 14:40 Agency: C660 Crew: SJ JW Fish Crd?:  Incomplete:

## CHANNEL

	Mtd	width	width	width	width	width	width	width	width	width	width	Avg		Gadient %	Mtd	Avg
Channel Width (m):	T											0.00	Method I:		C	0.00
Wetted Width (m):	MS											0.00	Method II:		C	
Pool Depth (m):	MS											0.00				

Wb Depth:  Avg: 0.00 Method: MS Stage: L  M  H   
 No Vis.Ch.:  Intermittent:   
 Dw:  Tribs.:

COVER Total:

Type:	SWD	LWD	B	U	DP	OV	IV
Amount:							
Loc: P/S/O:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CROWN CLOSURE  
 INSTREAM VEG: N  A  M  V   
 LB SHP: RB SHP:  
 Texture: F  G  C  B  R  A   
 RIP: STG:

## WATER

EMS: Req #:  
 Temp: Method: T5 Cond.: Method: S3  
 pH: Method: P2 Turb.: T  M  L  C  Method: GE  
 Flood Signs: Method:

## MORPHOLOGY

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

## PHOTOS

Photo	Foc Lg	Dir	Comments
R: 9022 F: 448	STD	X	Card
R: 9022 F: 449	STD	U	Seep - ferns

## COMMENTS

Section	Comments
CHANNEL	NCD



Stream/ILP: 9022 Image: 449 Comment: Upstream, Seepage with ferns. 8/22/2010.



## Appendix 6.2-2

### Summary of Fish Bearing Classification

Appendix 6.2-2. Summary of Fish Bearing Classification

Site/ILP	Watershed	Easting	Northing	Stream Class	Fish Bearing	Default/ Confirmed	Method for Determining Fish Bearing Status	Species Present	Gradient (%)
7002	Bell-Irving	492829	6235686	S1	Y	Confirmed	HFO	BT*, CH, CO, DV*, MW, RB, SK, ST	1.0
7003	Nass	493426	6223991	S1	Y	Confirmed	HFO	DV*, RB, CC, CH, CM, CO, CCT*, EV, L, MW, PK, SK, ST, TSB, GSG	1.0
7008	Bell-Irving	487292	6241883	NCD	N	Confirmed	NA	NA	0.0
7009	Bell-Irving	488087	6241211	NCD	N	Confirmed	NA	NA	0.0
7010	Bell-Irving	488487	6241095	S3	N	Default	-	-	2.3
7011	Bell-Irving	488538	6241167	S3	N	Default	-	-	3.0
7012	Bell-Irving	488610	6241024	NCD	N	Confirmed	NA	NA	0.0
7013	Bell-Irving	488678	6241006	NCD	N	Confirmed	NA	NA	0.0
7014	Bell-Irving	489142	6240857	S4	N	Default	-	-	3.0
7015	Bell-Irving	489686	6240700	S3	N	Default	-	-	16.7
7016	Bell-Irving	489727	6240634	S4	Y	Default	-	-	23.5
7017	Bell-Irving	490750	6240069	NCD	N	Confirmed	NA	NA	0.0
8000	Nass	502163	6195320	NCD	N	Confirmed	NA	NA	0.0
8001	Nass	502165	6195494	NCD	N	Confirmed	NA	NA	0.0
8002	Nass	502164	6195633	S3	Y	Default	-	-	3.9
8003	Nass	502164	6198216	S4	Y	Confirmed	HFO	(CO, CCT*, RB)	1.4
8004	Nass	502160	6196321	S3	Y	Confirmed	HFO	(CO, CCT*, RB)	5.5
8005	Nass	502147	6197441	NCD	N	Confirmed	NA	NA	0.0
8006	Nass	501922	6197885	NCD	N	Confirmed	NA	NA	0.0
8007	Nass	501818	6198058	NCD	N	Confirmed	NA	NA	0.0
8008	Nass	501659	6198400	NCD	N	Confirmed	NA	NA	0.0
8009	Nass	501024	6199757	S3	Y	Default	-	-	2.8
8010	Nass	500871	6200061	NCD	N	Confirmed	NA	NA	0.0
8011	Nass	500541	6200698	S3	Y	Default	MT	-	3.2
8012	Nass	495000	6212384	S5	N	Confirmed	B, EF	NA	17.5
8013	Nass	495549	6210931	S6	N	Confirmed	GB(F)	NA	10.5
8014	Nass	495656	6210644	NCD	N	Confirmed	NA	NA	0.0
8015	Nass	495690	6210542	S6	N	Confirmed	GB(F)	NA	5.1
8016	Nass	495731	6210479	NCD	N	Confirmed	NA	NA	0.0
9000	Nass	498646	6203952	NCD	N	Confirmed	NA	NA	0.0
9001	Nass	498824	6203620	NCD	N	Confirmed	NA	NA	0.0
9002	Nass	498940	6203369	NCD	N	Confirmed	NA	NA	0.0
9003	Nass	499142	6203114	NCD	N	Confirmed	NA	NA	0.0
9004	Nass	499142	6203114	NCD	N	Confirmed	NA	NA	0.0
9005	Nass	499801	6202342	NCD	N	Confirmed	NA	NA	0.0
9006	Nass	499800	6202100	S5	N	Confirmed	B, EF	NA	2.7
9007	Nass	500386	6201253	NCD	N	Confirmed	NA	NA	0.0
9008	Nass	498502	6204336	NCD	N	Confirmed	NA	NA	0.0
9009	Nass	498499	6204348	NCD	N	Confirmed	NA	NA	0.0
9010	Nass	498373	6204601	NCD	N	Confirmed	NA	NA	0.0
9011	Nass	498274	6204740	S3	Y	Default	-	-	10.0
9012	Nass	498149	6204935	S3	Y	Confirmed	HFO	RB	10.5
9013	Nass	497898	6205466	NCD	N	Confirmed	NA	NA	0.0
9014	Nass	497540	6205958	S2	Y	Confirmed	VO	DV*	3.5
9015	Nass	497314	6206523	NCD	N	Confirmed	NA	NA	0.0
9016	Nass	497031	6207093	NCD	N	Confirmed	NA	NA	0.0
9017	Nass	496982	6207277	NCD	N	Confirmed	NA	NA	0.0
9018	Nass	496953	6207313	NCD	N	Confirmed	NA	NA	0.0
9019	Nass	496804	6207595	NCD	N	Confirmed	NA	NA	0.0
9020	Nass	496375	6208656	S5	N	Confirmed	B, EF	NA	25.0
9021	Nass	496336	6208800	NCD	N	Confirmed	NA	NA	0.0
9022	Nass	495977	6209773	NCD	N	Confirmed	NA	NA	0.0
7021	Bell-Irving	492183	6237881	NCD	N	Confirmed	NA	NA	0.0
7022	Bell-Irving	492359	6237702	NCD	N	Confirmed	NA	NA	0.0
7023	Bell-Irving	492493	6237513	NCD	N	Confirmed	NA	NA	0.0
7024	Bell-Irving	493136	6236822	S3	Y	Default	-	-	4.7
7025	Bell-Irving	492629	6237559	NCD	N	Confirmed	NA	NA	0.0
NGT-1	Bell-Irving	483153	6248421	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-2	Bell-Irving	483159	6248410	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-3	Bell-Irving	483197	6248347	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-4	Bell-Irving	483224	6248304	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK

**Appendix 6.2-2. Summary of Fish Bearing Classification**

Site/ILP	Watershed	Easting	Northing	Stream Class	Fish Bearing	Default/ Confirmed	Method for Determining Fish Bearing Status	Species Present	Gradient (%)
NGT-5	Bell-Irving	484135	6247103	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-6	Bell-Irving	484277	6246967	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-7	Bell-Irving	484358	6246890	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-8	Bell-Irving	486096	6243715	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-9	Bell-Irving	490521	6240430	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-10	Bell-Irving	490565	6240418	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-11	Bell-Irving	490942	6239873	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-12	Bell-Irving	491051	6239654	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-13	Bell-Irving	491132	6239492	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-14	Bell-Irving	491302	6239149	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-15	Bell-Irving	491401	6238952	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-16	Bell-Irving	491877	6238315	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-17	Bell-Irving	491936	6238245	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-18	Bell-Irving	492912	6235776	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-19	Nass	492700	6235205	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-20	Nass	492584	6234854	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-21	Nass	492369	6232748	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-22	Nass	492602	6231999	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-23	Nass	492657	6231825	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-24	Nass	492837	6231477	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-25	Nass	492841	6231470	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-26	Nass	493156	6230647	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-27	Nass	493242	6229927	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-28	Nass	493286	6229552	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-29	Nass	493306	6229391	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-30	Nass	493335	6229150	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-31	Nass	493429	6228476	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-32	Nass	493463	6228271	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-33	Nass	493485	6228141	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-34	Nass	493491	6228106	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-35	Nass	493544	6227795	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-36	Nass	493570	6227646	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-37	Nass	493795	6226196	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-38	Nass	493794	6225729	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-39	Nass	493792	6225256	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-40	Nass	493790	6224701	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-41	Nass	493711	6224279	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-42	Nass	493559	6223726	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-43	Nass	493462	6222869	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-44	Nass	493416	6222338	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-45	Nass	493362	6221710	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-46	Nass	493324	6221267	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-47	Nass	493323	6220474	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-48	Nass	493465	6220013	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-49	Nass	493683	6219302	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-50	Nass	493780	6218988	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-51	Nass	493944	6218454	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-52	Nass	494087	6217804	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-53	Nass	494194	6217176	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-54	Nass	494212	6217032	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-55	Nass	494243	6216796	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-56	Nass	494294	6216399	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-57	Nass	494338	6216059	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-58	Nass	494422	6215410	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-59	Nass	494458	6215131	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-60	Nass	494555	6214379	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-61	Nass	494696	6213292	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK
NGT-62	Nass	494997	6212378	NCD/S5/S6	N	Confirmed	GB(M)	NA	UNK

Stream Class: S1 = >20m, S2 = >5-20m, S3 = 1.5-5m, S4 = <1,5m, S5 = >3m, S6 = ≤3m, NCD = Non-continuous diversion

Fish Bearing: S1-S4 = Fish Bearing, S5, S6, NCD = Not Fish Bearing

Method: VO- Visual Observation, EF- Electrofishing, MT- Minnow Trap, GB(F)- Gradient Barrier Observed in Field

GB(M)- Gradient Barrier Identified on Map, B- Physical Barrier (i.e. falls, cascade, sub-surface flow)

HFO- Historical Fish Observation, NA- Not applicable (NCD)

Species: DV\*- Dolly Varden, RB- rainbow trout, CC- sculpin, CH- chinook, CM- chum salmon, CO- coho salmon,

CCT\*- coastal cutthroat trout, EU- eulachon, L- lamprey, MW- mountain whitefish, PK- pink salmon,

SK- sockeye salmon, ST- steelhead salmon, TSB- three spine stickleback, GSG- green sturgeon

NGT = Not Ground-truthed

## Appendix 6.2-3

### Wetland Aerial Photographs

## Appendix 6.2-3. Wetland Aerial Photographs

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*Unnamed wetland 1 - Beaver pond controlled wetland. Bordered by mature forest and approx. 10 year old cutblock. Sampled with Electrofisher with no fish caught. Possibly not fish bearing if barriers exist downstream.*



*Unnamed wetland 2 - Isolated pothole wetland. Surrounded by high gradient non fish bearing slopes. Insufficient size to support resident fish populations.*



*Unnamed wetland 2 - Close-up of open water area.*



*Unnamed wetland 3 - Sinuous wetland portion of small creek. Present in high gradient non fish bearing slopes. Insufficient size to support resident fish populations.*

## Appendix 6.2-4

### Wetland Fish Sampling Details for Unnamed Wetland 1

# FDIS Fish Card

Watershed Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000-000  
 Reach #: 1.0 ILP Map #: 103P.096 ILP #: 8011  
 Project Code: 500-000000-00000-00000-0000-000-000-000-000-000-0  
 Local:  
 WS Code: 000-000000-00000-00000-0000-0000-000-000-000-000-000  
 Waterbody ID: ILP Map #: 103P.096 ILP #: 8011 Reach #: 1 -  
 Project ID: 20255 Lake/Stream: S Lake From Date:

Fish Permit #: SM10-62747 Date: 2010/08/22 To: 2010/08/23 Agency: C660 Crew: MJ VR Resample:

## WATERBODY

## SITE / METHOD

Site#	NID Map	NID #	UTM:Zone/East/North/Mthd	MTD/NO	Temp	Cond	Turbid	Comment
1	103P.096	80023	9	GP3 MT 6	12	96	C	
1	103P.096	80022	9	GP3 MT 5	12	96	C	
1	103P.096	80021	9	GP3 MT 4	12	96	C	
1	103P.096	80020	9	GP3 MT 3	12	96	C	
1	103P.096	80019	9	GP3 MT 2	12	96	C	
1	103P.096	80018	9	GP3 MT 1	12	96	C	

## A. GEAR SETTINGS

Site#	MTD/NO	H/P	Date In	Time In	Date Out	Time Out	Comment
1	MT 1	1	2010/08/22	08:22	2010/08/23	11:15	
1	MT 2	1	2010/08/22	08:22	2010/08/23	11:20	
1	MT 3	1	2010/08/22	08:22	2010/08/23	11:23	
1	MT 4	1	2010/08/22	08:22	2010/08/23	11:28	
1	MT 5	1	2010/08/22	08:22	2010/08/23	11:30	
1	MT 6	1	2010/08/22	08:22	2010/08/23	11:35	

## B. NET/TRAP SPECIFICATIONS

Site #	MTD/NO.	H/P	Net Type	Length	Depth	Mesh	Set	Habitat
1	MT 1	1	SK	0.0	0.4		BT	L
1	MT 2	1	SK		0.5		BT	L
1	MT 3	1	SK		0.8		BT	L
1	MT 4	1	SK		0.7		BT	L
1	MT 5	1	SK		0.6		BT	L
1	MT 6	1	SK		0.2		BT	L

## FISH SUMMARY

Site#	MTD/NO	H/P	Species	Stage	Age	Total #	Lgth (Min/Max)	FishAct	Comment
1	MT 1	1	NFC			0			
1	MT 2	1	NFC			0			
1	MT 3	1	NFC			0			
1	MT 4	1	NFC			0			
1	MT 5	1	NFC			0			
1	MT 6	1	NFC			0			3 TOED SALAMANDER



# Appendix 6.5-1

## Soil Site Data





## Appendix 6.5-2

### Soil and Terrain Photos

## Appendix 6.5-2. Soil and Terrain Photos

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*Plate 6.5-1. Undulating morainal landscape (Site 2).*



*Plate 6.5-2. Well-drained morainal soil classified as a Orthic Humic Podzol (Site 5).*



*Plate 6.5-3. Moderately steeply sloping colluvial terrain in study area (Site 4).*



*Plate 6.5-4. Gleyed eutric brunisol developed from colluvial surficial material (site 4).*



*Plate 6.5-5. Near-level inactive fluvial landscape (Site 23).*



*Plate 6.5-6. Orthic Humic Regosol developed on Fluvial material (Site 25).*



*Plate 6.5-7. Organic Soils occur mostly in seepage areas of the study area (Site 12).*



*Plate 6.5-8. Poorly drained organic soils with high water table (Typic Humisol, Site 9).*



*Plate 6.5-9. Typical glaciofluvial terrace in the study area (Site 7).*

# Appendix 6.6-1

## Field Survey Data



Appendix 6.6-1. Field Survey Data

Plot Number	Region	Zone	SubZone	SiteSeries	SiteSeries Symbol	UTMZone	UTM Northing	UTM Easting	Date	Site Surveyor	Location	AirPhoto Num	Structural Stage	Elevation	StrataCover Herb	StrataCover Moss	StrataCover Shrub	StrataCover Tree	SppListing	Crown Closure	SiteNotes
1	PR	ICH	mc1	01b		9N	6200113	501787	04/08/2010	RD BS FV	NTL Bell Irving	89-92	3b	521	40	20	65	0	FALSE	0	Plot in old clearcut. Maybe partially re-planted, mostly natural regen. Very disturbed. Common and extensive in area.
2	PR	ICH	mc1	03		9N	6202199	499901	04/08/2010	RD BS FV	NTL Bell Irving	10-15	6/tc	427	40	60	65	20	FALSE	20	Transitional to wetter devil's club near creek. Soil pit in dryer area.
3	PR	ICH	mc1	03		9N	6205535	497764	04/08/2010	RD BS FV	NTL Bell Irving	15-21	4/c	360	50	0.1	50	30	FALSE	30	Low LWD. Common in are. Small depression have high devil's club cover - likely 03 or 04. 01b upslope - 03 lower and toes. 02 Uncommon in area.
4	PR	ICH	mc1	01b		9N	6209373	496101	04/08/2010	RD BS FV	NTL Bell Irving	23-27	3b	510	20	25	65	0	FALSE	0	Very wet toe, seepage slope above old road. Plot is not in dominant site series in area. Natural regen clearcut.
5	PR	ICH	mc1	01		9N	6229313	493202	05/08/2010	RD BS FV	NTL Bell Irving	118-123	3a	674	60	50	60	0	FALSE	0	Old clearcut. Lower slope near road. very disturbed.
6	PR	ICH	mc1	01b		9N	6230036	493140	05/08/2010	RD BS FV	NTL Bell Irving	134-139	6/mc	648	15	80	50	45	FALSE	45	Small, steep ridge with good productivity. Typical zonal stand.
7	PR	ICH	mc1	04		9N	6231810	492640	05/08/2010	RD BS FV	NTL Bell Irving	145-150	7/mc	521	40	65	50	35	FALSE	35	Typical wet 04 devils club site series. Mostly old growth in area.
8	PR	ICH	mc1	03		9N	6233759	492388	05/08/2010	RD BS FV	NTL Bell Irving	152-156	6/mc	463	20	75	45	45	FALSE	45	Extensive stand of 03 6mC on gentle slope below road.
9	PR	ICH	mc1	06		9N	6213803	494823	06/08/2010	RD BS FV	NTL Bell Irving	321-325	3b	665	65	30	60	0	FALSE	0	Plot located in draw in large clear cut. Evidence of old logging in wetland.
10	PR	ICH	mc1	01b		9N	6221547	492896	06/08/2010	RD BS FV	NTL Bell Irving	327-331	3/b	625	70	50	75	0	FALSE	0	Plot close to road in large old clearcut.
11	PR	ICH	mc1	01b		9N	6219551	493275	06/08/2010	RD BS FV	NTL Bell Irving	347-352	6/mc	691	10	85	35	40	FALSE	40	Plot located in mature stand - close to old growth - likely old growth in area. Abundant LWD and snags.
12	PR	ICH	mc1	06		9N	6218025	493484	06/08/2010	RD BS FV	NTL Bell Irving	361-365	6/tc	655	25	50	50	30	FALSE	30	large are of high productivity - lots of wet skunk cabbage depressions.
13	PR	ICH	mc1	01b		9N	6216696	493484	06/08/2010	RD BS FV	NTL Bell Irving	367-371	4/c	613	65	10	60	20	FALSE	20	Typical zonal stand in old clearcut. Very steep. Likely replanted about 30 years ago with pine.
14	PR	ICH	mc1	00	Wm	9N	6228285	493387	07/08/2010	RD BS FV	NTL Bell Irving	73-79	2b	656	90	10	5	0	FALSE	0	Cpmplex of carex marsh with large open water in the middle. Soil pot more representative of transition to forested area.
15	PR	ICH	mc1	01b		9N	6227702	493162	07/08/2010	RD BS FV	NTL Bell Irving	89-93	7/mc	674	20	50	40	30	FALSE	30	
16	PR	ICH	mc1	02		9N	6199209	501320	07/08/2010	RD BS	NTL Bell Irving	147-151	3b	413	80	30	45	0	FALSE	0	About 20 yr old clearcut with natural regen. Some 03 3b in area.
17	PR	ICH	vc	02(1)		9N	6236897	493059	08/08/2010	RD BS SH	NTL Bell Irving	206-209	5/tc	458	15	90	25	50	FALSE	50	Young to mature stand. All decay classes of LWD present. Few snags. Wet devils club depressions in area.
18	PR	ICH	vc	02(1)		9N	6237759	492271	08/08/2010	RD BS SH	NTL Bell Irving	211-215	3b	438	50	40	50	0	FALSE	0	Natural regen in 15 to 20 yr old clearcut. Extensive in area.
19	PR	ICH	vc	02(1)		9N	6239256	491147	08/08/2010	RD BS SH	NTL Bell Irving	226	5/tm	505	15	35	60	45	FALSE	45	Thin Mv over R - large extend of dry, upper slope 02 5M with very steep 01 and/or 02 5M downslope. Small 03 5M draws common - some 03 6M.
20	PR	ICH	vc	00		9N	6240618	489539	08/08/2010	RD BS SH	NTL Bell Irving	238-242	3a	457	80	15	25	0	FALSE	0	Small wetland bisected by road. Common in area, but rarely extensive. Logged, but few trees in undisturbed wetland type.
21	PR	ICH	vc	01(1)		9N	6240740	489312	08/08/2010	RD BS SH	NTL Bell Irving	244-248	3b	464	50	50	35	0	FALSE	0	15 to 20 yr old clearcut. Very common in area.
22	PR	ICH	vc	02(1)		9N	6245919	483998	09/08/2010	RD BS SH	NTL Bell Irving	391	4/m	655	40	20	50	30	FALSE	30	3b to 4M clearcut about 10 to 15 yrs old. Typical for area - more pine than expected due to logging and fire. Wet depressions in disturbances common.
23	PR	ICH	vc	04	DD	9N	6243303	485608	09/08/2010	RD BS SH	NTL Bell Irving	418-423	6/ic	533	50	35	70	25	FALSE	25	Typical mid sized active floodplain along creek.
24	PR	ICH	vc	02(1)		9N	6243212	485633	09/08/2010	RD BS SH	NTL Bell Irving	431-437	5/tc	550	5	90	60	35	FALSE	35	Uncommon in area. Few colluvial sites in area. Sparse shrub layer and few vets. Abundant snags (self thinning underway) moderate LWD in various decay classes.
25	PR	ICH	vc	06	SH	9N	6243091	485400	09/08/2010	RD BS SH	NTL Bell Irving	439-445	7/lb	501	45	10	65	10	FALSE	10	Not active flood plain. Very disturbed from old logging road and creek. Uncommon and not extensive in area. Small patch oc old growth cottonwood.
26	PR	ESSF	wv	05		9N	6248267	483135	10/08/2010	RD BS SH	NTL Bell Irving	537-543	6/ic	742	40	20	70	20	FALSE	20	open, patchy Hw and Bl with this shrub layer. Large openings common. Tends towards old groth in the area. Abundant LWD and snags.
27	PR	ICH	vc	02	HM	9N	6247290	483214	10/08/2010	RD BS SH	NTL Bell Irving	550-554	4/c	754	40	75	80	10	FALSE	10	Plot located on small ridge above road. Wetter depression up slope common, but mostly 02 4C to 3b in area.
V1	PR	ICH	mc1	01(1)		9N	6245926	484823	09/08/2010	RD BS SH	NTL Bell Irving	282-387	6/mc	788	10	90	40	40	FALSE	40	Site in edge effect from recetn logging. High LWD - mostly fresh. Closed canopy - shrub layer thicker than expected.

## Appendix 6.6-2

### Plant and Fungus Species Identified During the Field Survey

## Appendix 6.6-2. Plant and Fungus Species Identified During the Field Survey

Scientific Name	English Name	Family	Lifeform_Type
<i>Abies amabilis</i>	amabilis fir	Pinaceae	Tree-Conifer
<i>Abies lasiocarpa</i>	subalpine fir	Pinaceae	Tree-Conifer
<i>Acer glabrum</i>	Douglas maple	Aceraceae	Shrub-Deciduous
<i>Alnus viridis ssp. crispa</i>	green alder	Belucaeae	Shrub-Deciduous
<i>Alnus viridis ssp. sinuata</i>	Sitka alder	Belucaeae	Shrub-Deciduous
<i>Amelanchier alnifolia</i>	saskatoon	Rosaceae	Shrub-Deciduous
<i>Anaphalis margaritacea</i>	pearly everlasting	Asteraceae	Forb
<i>Aralia nudicaulis</i>	wild sarsaparilla	Araliaceae	Forb
<i>Arunco dioicus</i>	goatsbeard	Rosaceae	Forb
<i>Athyrium filix-femina</i>	lady fern	Dryopteridaceae	Fern/Fern Ally
<i>Barbilophozia sp.</i>		Jungermanniaceae	Hepatic
<i>Betula papyrifera</i>	paper birch	Belucaeae	Tree-Broad-Leaf
<i>Calamagrostis sp.</i>	reedgrass	Poaceae	Graminoid
<i>Calliergon giganteum</i>	giant water-moss	Amblystegiaceae	Moss
<i>Carex aquatilis</i>	water sedge	Cyperaceae	Graminoid
<i>Carex sp.</i>	sedge	Cyperaceae	Graminoid
<i>Chimaphila umbellata</i>	prince's pine	Pyrolaceae	Dwarf Woody Plant
<i>Circaea alpina</i>	enchanter's-nightshade	Onagraceae	Forb
<i>Cladonia pyxidata</i>	pebbled pixie-cup	Not used	Lichen
<i>Cladonia sp.</i>	clad lichens	Not used	Lichen
<i>Clintonia uniflora</i>	queen's cup	Liliaceae	Forb
<i>Comarum palustre</i>	marsh cinquefoil	Rosaceae	Forb
<i>Corallorhiza sp.</i>	coralroot	Orchidaceae	Parasite/Saprophyte
<i>Cornus canadensis</i>	bunchberry	Cornaceae	Forb
<i>Cornus stolonifera</i>	red-osier dogwood	Cornaceae	Shrub-Deciduous
<i>Dicranum fuscescens</i>	curly heron's-bill moss	Dicranaceae	Moss
<i>Dryopteris expansa</i>	spiny wood fern	Dryopteridaceae	Fern/Fern Ally
<i>Epilobium angustifolium</i>	fireweed	Onagraceae	Forb
<i>Epilobium ciliatum</i>	purple-leaved willowherb	Onagraceae	Forb
<i>Equisetum arvense</i>	common horsetail	Equisetaceae	Fern/Fern Ally
<i>Equisetum pratense</i>	meadow horsetail	Equisetaceae	Fern/Fern Ally
<i>Galium sp.</i>	bedstraw	Rubiaceae	Forb
<i>Galium triflorum</i>	sweet-scented bedstraw	Rubiaceae	Forb
<i>Geum macrophyllum</i>	large-leaved avens	Rosaceae	Forb
<i>Goodyera oblongifolia</i>	rattlesnake-plantain	Orchidaceae	Forb
<i>Gymnocarpium dryopteris</i>	oak fern	Dryopteridaceae	Fern/Fern Ally
<i>Hieracium sp.</i>	hawkweed	Asteraceae	Forb
<i>Hylocomium splendens</i>	step moss	Hylocomiaceae	Moss
<i>Juncus sp.</i>	rush	Juncaceae	Graminoid
<i>Linnaea borealis</i>	twinflamer	Caprifoliaceae	Dwarf Woody Plant
<i>Lycopodium clavatum</i>	running club-moss	Lycopodiaceae	Fern/Fern Ally
<i>Lycopodium sp.</i>	clubmoss	Lycopodiaceae	Fern/Fern Ally
<i>Lysichiton americanus</i>	skunk cabbage	Araceae	Forb
<i>Menziesia ferruginea</i>	false azalea	Ericaceae	Shrub-Deciduous
<i>Monotropa uniflora</i>	indian-pipe	Monotropaceae	Parasite/Saprophyte
<i>Oplopanax horridus</i>	devil's club	Araliaceae	Shrub-Deciduous
<i>Orthilia secunda</i>	one-sided wintergreen	Pyrolaceae	Forb
<i>Parnassia fimbriata</i>	fringed grass-of-Parnassus	Parnassiaceae	Forb
<i>Paxistima myrsinites</i>	falsebox	Celastraceae	Shrub-Evergreen
<i>Pellia neesiana</i>	shiny liverwort	Pelliaceae	Hepatic
<i>Peltigera aphthosa</i>	freckle pelt	Not used	Lichen
<i>Peltigera scabrosa</i>	toad pelt	Not used	Lichen
<i>Picea x lutzii</i>	Roche spruce	Pinaceae	Tree-Conifer
<i>Pinus contorta</i>	lodgepole pine	Pinaceae	Tree-Conifer
<i>Plagiomnium insigne</i>	coastal leafy moss	Mniaceae	Moss

## Appendix 6.6-2. Plant and Fungus Species Identified During the Field Survey

Scientific Name	English Name	Family	Lifeform_Type
<i>Plagiomnium medium</i>	common leafy moss	Mniaceae	Moss
<i>Plagiomnium sp.</i>	leafy moss	Mniaceae	Moss
<i>Platanthera sp.</i>	orchid	Orchidaceae	Forb
<i>Pleurozium schreberi</i>	red-stemmed feathermoss	Hylocomiaceae	Moss
<i>Polytrichum juniperinum</i>	juniper haircap moss	Polytrichaceae	Moss
<i>Populus balsamifera ssp. trichocarpa</i>	black cottonwood	Salicaceae	Tree-Broad-Leaf
<i>Populus tremuloides</i>	trembling aspen	Salicaceae	Tree-Broad-Leaf
<i>Pteridium aquilinum</i>	bracken fern	Denstaedtiaceae	Fern/Fern Ally
<i>Ptilium crista-castrensis</i>	knight's plume	Hypnaceae	Moss
<i>Pyrola asarifolia</i>	pink wintergreen	Pyrolaceae	Forb
<i>Rhizomnium glabrescens</i>	large leafy moss	Mniaceae	Moss
<i>Rhizomnium sp.</i>	leafy moss	Mniaceae	Moss
<i>Rhytidadelphus triquetrus</i>	electrified cat's-tail moss	Hylocomiaceae	Moss
<i>Rhytidiopsis robusta</i>	pipecleaner moss	Hylocomiaceae	Moss
<i>Ribes glandulosum</i>	skunk currant	Grossulariaceae	Shrub-Deciduous
<i>Ribes lacustre</i>	black gooseberry	Grossulariaceae	Shrub-Deciduous
<i>Ribes triste</i>	red swamp currant	Grossulariaceae	Shrub-Deciduous
<i>Rubus idaeus</i>	red raspberry	Rosaceae	Shrub-Deciduous
<i>Rubus parviflorus</i>	thimbleberry	Rosaceae	Shrub-Deciduous
<i>Rubus pedatus</i>	five-leaved bramble	Rosaceae	Forb
<i>Rubus spectabilis</i>	salmonberry	Rosaceae	Shrub-Deciduous
<i>Salix bebbiana</i>	Bebb's willow	Salicaceae	Tree-Broad-Leaf
<i>Salix lucida</i>		Salicaceae	Tree-Broad-Leaf
<i>Salix pyrifolia</i>	balsam willow	Salicaceae	Shrub-Deciduous
<i>Salix scouleriana</i>	Scouler's willow	Salicaceae	Tree-Broad-Leaf
<i>Salix sitchensis</i>	Sitka willow	Salicaceae	Tree-Broad-Leaf
<i>Salix sp.</i>	willow	Salicaceae	Genus-level/Mixed
<i>Sambucus racemosa</i>	red elderberry	Caprifoliaceae	Shrub-Deciduous
<i>Scirpus microcarpus</i>	small-flowered bulrush	Cyperaceae	Graminoid
<i>Sorbus sitchensis</i>	Sitka mountain-ash	Rosaceae	Shrub-Deciduous
<i>Sphagnum girgensohnii</i>	common green peat-moss	Sphagnaceae	Moss
<i>Spiraea douglasii</i>	hardhack	Rosaceae	Shrub-Deciduous
<i>Streptopus amplexifolius</i>	clasping twistedstalk	Liliaceae	Forb
<i>Streptopus lanceolatus var. curvipes</i>	rosy twistedstalk	Liliaceae	Forb
<i>Taraxacum officinale</i>	common dandelion	Asteraceae	Forb
<i>Thalictrum occidentale</i>	western meadowrue	Ranunculaceae	Forb
<i>Tiarella trifoliata</i>	three-leaved foamflower	Saxifagaceae	Forb
<i>Tiarella trifoliata var. unifoliata</i>	one-leaved foamflower	Saxifagaceae	Forb
<i>Trifolium pratense</i>	red clover	Fabaceae	Forb
<i>Tsuga heterophylla</i>	western hemlock	Pinaceae	Tree-Conifer
<i>Vaccinium alaskaense</i>	Alaskan blueberry	Ericaceae	Shrub-Deciduous
<i>Vaccinium caespitosum</i>	dwarf blueberry	Ericaceae	Dwarf Woody Plant
<i>Vaccinium membranaceum</i>	black huckleberry	Ericaceae	Shrub-Deciduous
<i>Vaccinium ovalifolium</i>	oval-leaved blueberry	Ericaceae	Shrub-Deciduous
<i>Vaccinium scoparium</i>	grouseberry	Ericaceae	Dwarf Woody Plant
<i>Veronica beccabunga ssp. americana</i>	American speedwell	Scrophulariaceae	Forb
<i>Viburnum edule</i>	highbush-cranberry	Caprifoliaceae	Shrub-Deciduous
<i>Viola sp.</i>	violet	Violaceae	Forb

## Appendix 6.6-3

### BC CDC Listed Ecosystems in the Kalum Forest District

Appendix 6.6-3. BC CDC Listed Ecosystems in the Kalum Forest District

Scientific Name	English Name	Global Status	Prov Status	Prov Status Review Date	Prov Status Change Date	BC List	Biogeoclimatic Units	Ecosystem Group
<i>Abies amabilis</i> - <i>Picea sitchensis</i> / <i>Oplapanax horridus</i>	amabilis fir - Sitka spruce / devil's club	GNR	S3	31-Oct-04	31-Mar-01	Blue	CWHm1 08	Riparian, Forest
<i>Abies amabilis</i> - <i>Picea sitchensis</i> / <i>Oplapanax horridus</i>	amabilis fir - Sitka spruce / devil's club	GNR	S3	31-Oct-04	31-Mar-01	Blue	CWHm2 08	Riparian, Forest
<i>Abies amabilis</i> - <i>Thuja plicata</i> / <i>Gymnocarpium dryopteris</i>	amabilis fir - western redcedar / oak fern	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHm1 04	Forest
<i>Abies amabilis</i> - <i>Thuja plicata</i> / <i>Gymnocarpium dryopteris</i>	amabilis fir - western redcedar / oak fern	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHm2 04	Forest
<i>Abies amabilis</i> - <i>Thuja plicata</i> / <i>Gymnocarpium dryopteris</i>	amabilis fir - western redcedar / oak fern	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHm1 04	Forest
<i>Abies amabilis</i> - <i>Thuja plicata</i> / <i>Gymnocarpium dryopteris</i>	amabilis fir - western redcedar / oak fern	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHm2 04	Forest
<i>Abies amabilis</i> - <i>Thuja plicata</i> / <i>Oplapanax horridus</i> Moist Submaritime	amabilis fir - western redcedar / devil's club Moist Submaritime	G3G4	S3	31-Oct-04	29-Sep-94	Blue	CWHm1 06	Forest
<i>Abies amabilis</i> - <i>Thuja plicata</i> / <i>Oplapanax horridus</i> Moist Submaritime	amabilis fir - western redcedar / devil's club Moist Submaritime	G3G4	S3	31-Oct-04	29-Sep-94	Blue	CWHm2 06	Forest
<i>Abies amabilis</i> - <i>Thuja plicata</i> / <i>Oplapanax horridus</i> Moist Submaritime	amabilis fir - western redcedar / devil's club Moist Submaritime	G3G4	S3	31-Oct-04	29-Sep-94	Blue	CWHm1 06	Forest
<i>Alnus incana</i> / <i>Cornus stolonifera</i> / <i>Athyrium filix-femina</i>	mountain alder / red-osier dogwood / lady fern	G3G4	S3	30-Jul-04	30-Jul-04	Blue	ICHm2 F102	Riparian, Shrub, Wetland
<i>Alnus incana</i> / <i>Cornus stolonifera</i> / <i>Athyrium filix-femina</i>	mountain alder / red-osier dogwood / lady fern	G3G4	S3	30-Jul-04	30-Jul-04	Blue	ICHvc 52	Riparian, Shrub, Wetland
<i>Alnus incana</i> / <i>Cornus stolonifera</i> / <i>Athyrium filix-femina</i>	mountain alder / red-osier dogwood / lady fern	G3G4	S3	30-Jul-04	30-Jul-04	Blue	ICHvc F102	Riparian, Shrub, Wetland
<i>Alnus incana</i> / <i>Cornus stolonifera</i> / <i>Athyrium filix-femina</i>	mountain alder / red-osier dogwood / lady fern	G3G4	S3	30-Jul-04	30-Jul-04	Blue	ICHvc 52	Riparian, Shrub, Wetland
<i>Alnus incana</i> / <i>Cornus stolonifera</i> / <i>Athyrium filix-femina</i>	mountain alder / red-osier dogwood / lady fern	G3G4	S3	30-Jul-04	30-Jul-04	Blue	ICHvc F102	Riparian, Shrub, Wetland
<i>Alnus incana</i> / <i>Cornus stolonifera</i> / <i>Athyrium filix-femina</i>	mountain alder / red-osier dogwood / lady fern	G3G4	S3	30-Jul-04	30-Jul-04	Blue	ICHw1 F102	Riparian, Shrub, Wetland
<i>Alnus incana</i> / <i>Cornus stolonifera</i> / <i>Athyrium filix-femina</i>	mountain alder / red-osier dogwood / lady fern	G3G4	S3	30-Jul-04	30-Jul-04	Blue	ICHw4 F102	Riparian, Shrub, Wetland
<i>Alnus incana</i> / <i>Cornus stolonifera</i> / <i>Athyrium filix-femina</i>	mountain alder / red-osier dogwood / lady fern	G3G4	S3	30-Jul-04	30-Jul-04	Blue	SBSdk F102	Riparian, Shrub, Wetland
<i>Alnus incana</i> / <i>Cornus stolonifera</i> / <i>Athyrium filix-femina</i>	mountain alder / red-osier dogwood / lady fern	G3G4	S3	30-Jul-04	30-Jul-04	Blue	SBSmk2 F102	Riparian, Shrub, Wetland
<i>Alnus incana</i> / <i>Cornus stolonifera</i> / <i>Athyrium filix-femina</i>	mountain alder / red-osier dogwood / lady fern	G3G4	S3	30-Jul-04	30-Jul-04	Blue	SBSvk F102	Riparian, Shrub, Wetland
<i>Alnus incana</i> / <i>Cornus stolonifera</i> / <i>Athyrium filix-femina</i>	mountain alder / red-osier dogwood / lady fern	G3G4	S3	30-Jul-04	30-Jul-04	Blue	SBSwk1 F102	Riparian, Shrub, Wetland
<i>Alnus incana</i> / <i>Equisetum arvense</i>	mountain alder / common horsetail	G3	S3	30-Jul-04	30-Jul-04	Blue	BWBSdk1 F101	Riparian, Shrub, Wetland
<i>Alnus incana</i> / <i>Equisetum arvense</i>	mountain alder / common horsetail	G3	S3	30-Jul-04	30-Jul-04	Blue	CWHm1 F101	Riparian, Shrub, Wetland
<i>Alnus incana</i> / <i>Equisetum arvense</i>	mountain alder / common horsetail	G3	S3	30-Jul-04	30-Jul-04	Blue	ICHvc F101	Riparian, Shrub, Wetland
<i>Alnus incana</i> / <i>Equisetum arvense</i>	mountain alder / common horsetail	G3	S3	30-Jul-04	30-Jul-04	Blue	ICHw1 F101	Riparian, Shrub, Wetland
<i>Alnus incana</i> / <i>Equisetum arvense</i>	mountain alder / common horsetail	G3	S3	30-Jul-04	30-Jul-04	Blue	MSxv F101	Riparian, Shrub, Wetland
<i>Alnus incana</i> / <i>Equisetum arvense</i>	mountain alder / common horsetail	G3	S3	30-Jul-04	30-Jul-04	Blue	SBSvk F101	Riparian, Shrub, Wetland
<i>Alnus rubra</i> / <i>Rubus spectabilis</i> / <i>Equisetum arvense</i>	red Alder / salmonberry / common horsetail	GNR	S3	31-Oct-04	31-Mar-01	Blue	CWHvh F151	Riparian, Forest, Shrub
<i>Alnus rubra</i> / <i>Rubus spectabilis</i> / <i>Equisetum arvense</i>	red Alder / salmonberry / common horsetail	GNR	S3	31-Oct-04	31-Mar-01	Blue	CWHh1 10	Riparian, Forest, Shrub
<i>Alnus rubra</i> / <i>Rubus spectabilis</i> / <i>Equisetum arvense</i>	red Alder / salmonberry / common horsetail	GNR	S3	31-Oct-04	31-Mar-01	Blue	CWHh2 10	Riparian, Forest, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	BWBSdk1 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	BWBSm1 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	BWBSm2 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	ESSFdc1 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	ESSFdc3 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	ESSFdv d WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	ESSFdv WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	ESSFm2 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	ESSFw3 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	ESSFwk2 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	ESSFxc WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	ESSFx2 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	ICHm2 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	ICHw2 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	ICHw2 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	ICHw3 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	ICHw4 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	IDFdk1 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	IDFdk3 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	IDFdk4 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	IDFdm2 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	MSdc2 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	MSdk WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	MSdm1 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	MSxk WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	MSxv WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	SBPSc WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	SBPsmc WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	SBPSmk WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	SBPSxc WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	SBSdk WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	SBSdv1 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	SBSmc2 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	SBSmm WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	SBSvk WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	SBSwk1 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	SBSwk2 WF02	Wetland, Shrub
<i>Betula nana</i> / <i>Carex aquatilis</i>	scrub birch / water sedge	G4	S3	21-May-10	21-May-10	Blue	SWBmk WF02	Wetland, Shrub
<i>Calamagrostis purpurascens</i> Herbaceous Vegetation	purple reedgrass Herbaceous Vegetation	G2	S2	31-Oct-04	15-Jun-00	Red	BAFA	Alpine, Grassland, Herbaceous
<i>Calamagrostis purpurascens</i> Herbaceous Vegetation	purple reedgrass Herbaceous Vegetation	G2	S2	31-Oct-04	15-Jun-00	Red	CMA	Alpine, Grassland, Herbaceous

Appendix 6.6-3. BC CDC Listed Ecosystems in the Kalum Forest District

Scientific Name	English Name	Global Status	Prov Status	Prov Status Review Date	Prov Status Change Date	BC List	Biogeoclimatic Units	Ecosystem Group
<i>Calamagrostis purpurascens</i> Herbaceous Vegetation	purple reedgrass Herbaceous Vegetation	G2	S2	31-Oct-04	15-Jun-00	Red	MHmp 00	Alpine, Grassland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	BWBSdk1 WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	ICHdk WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	ICHmc1 WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	ICHmc2 WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	ICHmv1 WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	ICHmw3 WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	ICHvk1 WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	ICHwk1 WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	ICHwk2 WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	IDFd1 WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	IDFd3 WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	IDFd4 WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	IDFdm2 WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	MSdk WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	MSdm1 WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	MSdm2 WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	MSdm3 WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	MSdm3w WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	SBP5dc WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	SBP5mk WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	SBP5xc WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	SBSdk WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	SBSmc2 WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	SBSmk1 WF05	Wetland, Herbaceous
<i>Carex lasiocarpa</i> / <i>Drepanocladus aduncus</i>	slender sedge / common hook-moss	G3	S3	19-Apr-10	31-Jul-02	Red	SBSwk1 WF05	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Drepanocladus</i> spp.	shore sedge - buckbean / hook-mosses	G3	S3	17-Jun-10	30-Jul-04	Blue	ESSFwc3 WF08	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Drepanocladus</i> spp.	shore sedge - buckbean / hook-mosses	G3	S3	17-Jun-10	30-Jul-04	Blue	ESSFxc WF08	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Drepanocladus</i> spp.	shore sedge - buckbean / hook-mosses	G3	S3	17-Jun-10	30-Jul-04	Blue	ESSFxy1 WF08	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Drepanocladus</i> spp.	shore sedge - buckbean / hook-mosses	G3	S3	17-Jun-10	30-Jul-04	Blue	MSdc1 WF08	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Drepanocladus</i> spp.	shore sedge - buckbean / hook-mosses	G3	S3	17-Jun-10	30-Jul-04	Blue	MSdc1d WF08	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Drepanocladus</i> spp.	shore sedge - buckbean / hook-mosses	G3	S3	17-Jun-10	30-Jul-04	Blue	MSdm3 WF08	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Drepanocladus</i> spp.	shore sedge - buckbean / hook-mosses	G3	S3	17-Jun-10	30-Jul-04	Blue	MSdm3w WF08	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Drepanocladus</i> spp.	shore sedge - buckbean / hook-mosses	G3	S3	17-Jun-10	30-Jul-04	Blue	MSmv1 WF08	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Drepanocladus</i> spp.	shore sedge - buckbean / hook-mosses	G3	S3	17-Jun-10	30-Jul-04	Blue	MSk WF08	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Drepanocladus</i> spp.	shore sedge - buckbean / hook-mosses	G3	S3	17-Jun-10	30-Jul-04	Blue	MSxy WF08	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Drepanocladus</i> spp.	shore sedge - buckbean / hook-mosses	G3	S3	17-Jun-10	30-Jul-04	Blue	SBP5dc WF08	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Drepanocladus</i> spp.	shore sedge - buckbean / hook-mosses	G3	S3	17-Jun-10	30-Jul-04	Blue	SBP5dk WF08	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Drepanocladus</i> spp.	shore sedge - buckbean / hook-mosses	G3	S3	17-Jun-10	30-Jul-04	Blue	SBSmc2 WF08	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Drepanocladus</i> spp.	shore sedge - buckbean / hook-mosses	G3	S3	17-Jun-10	30-Jul-04	Blue	SBSmk2 WF08	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Drepanocladus</i> spp.	shore sedge - buckbean / hook-mosses	G3	S3	17-Jun-10	30-Jul-04	Blue	SBSwk1 WF08	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Sphagnum</i> spp.	shore sedge - buckbean / peat-mosses	G3	S3	30-Jul-04	30-Jul-04	Blue	CWHws1 Wb13	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Sphagnum</i> spp.	shore sedge - buckbean / peat-mosses	G3	S3	30-Jul-04	30-Jul-04	Blue	CWHws2 Wb13	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Sphagnum</i> spp.	shore sedge - buckbean / peat-mosses	G3	S3	30-Jul-04	30-Jul-04	Blue	ICHmc1 Wb13	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Sphagnum</i> spp.	shore sedge - buckbean / peat-mosses	G3	S3	30-Jul-04	30-Jul-04	Blue	ICHvc Wb13	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Sphagnum</i> spp.	shore sedge - buckbean / peat-mosses	G3	S3	30-Jul-04	30-Jul-04	Blue	ICHwk2 Wb13	Wetland, Herbaceous
<i>Carex limosa</i> - <i>Menyanthes trifoliata</i> / <i>Sphagnum</i> spp.	shore sedge - buckbean / peat-mosses	G3	S3	30-Jul-04	30-Jul-04	Blue	SBSmk1 Wb13	Wetland, Herbaceous
<i>Carex lyngbyei</i> Herbaceous Vegetation	Lyngbye's sedge herbaceous vegetation	GNR	S3	30-Jul-04	30-Jul-04	Blue	CDFmm Em05	Estuarine, Herbaceous, Wetland
<i>Carex lyngbyei</i> Herbaceous Vegetation	Lyngbye's sedge herbaceous vegetation	GNR	S3	30-Jul-04	30-Jul-04	Blue	CWH Em05	Estuarine, Herbaceous, Wetland
<i>Carex stichensis</i> - <i>Oenanthe sarmentosa</i>	Sitka sedge - Pacific water-parsley	G3	S3	30-Jul-04	30-Jul-04	Blue	CWHv2 Wm50	Wetland, Herbaceous
<i>Carex stichensis</i> - <i>Oenanthe sarmentosa</i>	Sitka sedge - Pacific water-parsley	G3	S3	30-Jul-04	30-Jul-04	Blue	CWHwm Wm50	Wetland, Herbaceous
<i>Carex stichensis</i> - <i>Oenanthe sarmentosa</i>	Sitka sedge - Pacific water-parsley	G3	S3	30-Jul-04	30-Jul-04	Blue	CWHxm1 Wm50	Wetland, Herbaceous
<i>Carex stichensis</i> / <i>Sphagnum</i> spp.	Sitka sedge / peat-mosses	G2	S2	30-Jul-04	30-Jul-04	Red	CWHv2 WF51	Wetland, Herbaceous
<i>Carex stichensis</i> / <i>Sphagnum</i> spp.	Sitka sedge / peat-mosses	G2	S2	30-Jul-04	30-Jul-04	Red	CWHvm1 WF51	Wetland, Herbaceous
<i>Carex stichensis</i> / <i>Sphagnum</i> spp.	Sitka sedge / peat-mosses	G2	S2	30-Jul-04	30-Jul-04	Red	CWHvm2 WF51	Wetland, Herbaceous
<i>Carex stichensis</i> / <i>Sphagnum</i> spp.	Sitka sedge / peat-mosses	G2	S2	30-Jul-04	30-Jul-04	Red	CWHwh1 WF51	Wetland, Herbaceous
<i>Carex stichensis</i> / <i>Sphagnum</i> spp.	Sitka sedge / peat-mosses	G2	S2	30-Jul-04	30-Jul-04	Red	CWHwm WF51	Wetland, Herbaceous
<i>Carex stichensis</i> / <i>Sphagnum</i> spp.	Sitka sedge / peat-mosses	G2	S2	30-Jul-04	30-Jul-04	Red	CWHws2 WF51	Wetland, Herbaceous
<i>Carex stichensis</i> / <i>Sphagnum</i> spp.	Sitka sedge / peat-mosses	G2	S2	30-Jul-04	30-Jul-04	Red	ICHvc WF51	Wetland, Herbaceous
<i>Carex stichensis</i> / <i>Sphagnum</i> spp.	Sitka sedge / peat-mosses	G2	S2	30-Jul-04	30-Jul-04	Red	ICHwc WF51	Wetland, Herbaceous
<i>Carex stichensis</i> / <i>Sphagnum</i> spp.	Sitka sedge / peat-mosses	G2	S2	30-Jul-04	30-Jul-04	Red	MHm1 WF51	Wetland, Herbaceous
<i>Chamaecyparis nootkatensis</i> - <i>Tsuga mertensiana</i> / <i>Streptopus lanceolatus</i>	yellow-cedar - mountain hemlock / rosy twistedstalk	G3G4	S3	29-Mar-06	23-Jun-04	Blue	MHwh1 05	Forest, Shrub
<i>Chamaecyparis nootkatensis</i> - <i>Tsuga mertensiana</i> / <i>Streptopus lanceolatus</i>	yellow-cedar - mountain hemlock / rosy twistedstalk	G3G4	S3	29-Mar-06	23-Jun-04	Blue	MHwh2 05	Forest, Shrub
<i>Deschampsia cespitosa</i> ssp. <i>beringensis</i> - <i>Aster subspicatus</i>	tufted hairgrass - Douglas' aster	G3	S3	30-Jul-04	30-Jul-04	Blue	CDFmm Ed02	Estuarine, Herbaceous, Wetland
<i>Deschampsia cespitosa</i> ssp. <i>beringensis</i> - <i>Aster subspicatus</i>	tufted hairgrass - Douglas' aster	G3	S3	30-Jul-04	30-Jul-04	Blue	CWH Ed02	Estuarine, Herbaceous, Wetland
<i>Deschampsia cespitosa</i> ssp. <i>beringensis</i> - <i>Hordeum brachyantherum</i>	tufted hairgrass - meadow barley	G3	S3	30-Jul-04	30-Jul-04	Blue	CDFmm Ed01	Estuarine, Herbaceous, Wetland
<i>Deschampsia cespitosa</i> ssp. <i>beringensis</i> - <i>Hordeum brachyantherum</i>	tufted hairgrass - meadow barley	G3	S3	30-Jul-04	30-Jul-04	Blue	CWH Ed01	Estuarine, Herbaceous, Wetland
<i>Eleocharis quinqueflora</i> / <i>Drepanocladus</i> spp.	few-flowered spike-rush / hook-mosses	GNR	S2	30-Jul-04	30-Jul-04	Red	ESSFmc WF09	Wetland, Herbaceous
<i>Eleocharis quinqueflora</i> / <i>Drepanocladus</i> spp.	few-flowered spike-rush / hook-mosses	GNR	S2	30-Jul-04	30-Jul-04	Red	ESSFxc WF09	Wetland, Herbaceous

Appendix 6.6-3. BC CDC Listed Ecosystems in the Kalum Forest District

Scientific Name	English Name	Global Status	Prov Status	Prov Status Review Date	Prov Status Change Date	BC List	Biogeoclimatic Units	Ecosystem Group
<i>Eleocharis quinqueflora</i> / <i>Drepanocladus</i> spp.	few-flowered spike-rush / hook-mosses	GNR	S2	30-Jul-04	30-Jul-04	Red	ESSFx1 WF09	Wetland, Herbaceous
<i>Eleocharis quinqueflora</i> / <i>Drepanocladus</i> spp.	few-flowered spike-rush / hook-mosses	GNR	S2	30-Jul-04	30-Jul-04	Red	MSdm2 WF09	Wetland, Herbaceous
<i>Eleocharis quinqueflora</i> / <i>Drepanocladus</i> spp.	few-flowered spike-rush / hook-mosses	GNR	S2	30-Jul-04	30-Jul-04	Red	MSXv WF09	Wetland, Herbaceous
<i>Eleocharis quinqueflora</i> / <i>Drepanocladus</i> spp.	few-flowered spike-rush / hook-mosses	GNR	S2	30-Jul-04	30-Jul-04	Red	SBP5xc WF09	Wetland, Herbaceous
<i>Eleocharis quinqueflora</i> / <i>Drepanocladus</i> spp.	few-flowered spike-rush / hook-mosses	GNR	S2	30-Jul-04	30-Jul-04	Red	SBSmc2 WF09	Wetland, Herbaceous
<i>Eriophorum angustifolium</i> - <i>Carex limosa</i>	narrow-leaved cotton-grass - shore sedge	G3	S3	14-Jul-04	14-Jul-04	Blue	ESSFd1 WF13	Wetland, Herbaceous
<i>Eriophorum angustifolium</i> - <i>Carex limosa</i>	narrow-leaved cotton-grass - shore sedge	G3	S3	14-Jul-04	14-Jul-04	Blue	ESSFd3 WF13	Wetland, Herbaceous
<i>Eriophorum angustifolium</i> - <i>Carex limosa</i>	narrow-leaved cotton-grass - shore sedge	G3	S3	14-Jul-04	14-Jul-04	Blue	ESSFmc WF13	Wetland, Herbaceous
<i>Eriophorum angustifolium</i> - <i>Carex limosa</i>	narrow-leaved cotton-grass - shore sedge	G3	S3	14-Jul-04	14-Jul-04	Blue	ESSFmw WF13	Wetland, Herbaceous
<i>Eriophorum angustifolium</i> - <i>Carex limosa</i>	narrow-leaved cotton-grass - shore sedge	G3	S3	14-Jul-04	14-Jul-04	Blue	ESSFw2 WF13	Wetland, Herbaceous
<i>Eriophorum angustifolium</i> - <i>Carex limosa</i>	narrow-leaved cotton-grass - shore sedge	G3	S3	14-Jul-04	14-Jul-04	Blue	ESSFx WF13	Wetland, Herbaceous
<i>Eriophorum angustifolium</i> - <i>Carex limosa</i>	narrow-leaved cotton-grass - shore sedge	G3	S3	14-Jul-04	14-Jul-04	Blue	MSdm1 WF13	Wetland, Herbaceous
<i>Eriophorum angustifolium</i> - <i>Carex limosa</i>	narrow-leaved cotton-grass - shore sedge	G3	S3	14-Jul-04	14-Jul-04	Blue	SBSwk2 WF13	Wetland, Herbaceous
<i>Glyceria borealis</i> Fen	northern mannagrass Fen	G4	S3	31-Oct-04	31-Jul-02	Blue	CWHvh2	Wetland, Herbaceous, Grassland
<i>Glyceria borealis</i> Fen	northern mannagrass Fen	G4	S3	31-Oct-04	31-Jul-02	Blue	ESSFdv	Wetland, Herbaceous, Grassland
<i>Glyceria borealis</i> Fen	northern mannagrass Fen	G4	S3	31-Oct-04	31-Jul-02	Blue	MSXv	Wetland, Herbaceous, Grassland
<i>Glyceria borealis</i> Fen	northern mannagrass Fen	G4	S3	31-Oct-04	31-Jul-02	Blue	SBP5xc	Wetland, Herbaceous, Grassland
<i>Ledum groenlandicum</i> / <i>Kalmia microphylla</i> / <i>Sphagnum</i> spp.	Labrador tea / western bog-laurel / peat-mosses	G4	S3	14-Jul-04	14-Jul-04	Blue	CWHvm1 Wb50	Wetland, Shrub
<i>Ledum groenlandicum</i> / <i>Kalmia microphylla</i> / <i>Sphagnum</i> spp.	Labrador tea / western bog-laurel / peat-mosses	G4	S3	14-Jul-04	14-Jul-04	Blue	CWHxm1 Wb50	Wetland, Shrub
<i>Ledum groenlandicum</i> / <i>Kalmia microphylla</i> / <i>Sphagnum</i> spp.	Labrador tea / western bog-laurel / peat-mosses	G4	S3	14-Jul-04	14-Jul-04	Blue	CWHxm2 Wb50	Wetland, Shrub
<i>Leymus mollis</i> ssp. <i>mollis</i> - <i>Lathyrus japonicus</i>	dune wildrye - beach pea	GNR	S152	19-Mar-08	19-Mar-08	Red	CDFmm	Sparsely Vegetated, Herbaceous
<i>Leymus mollis</i> ssp. <i>mollis</i> - <i>Lathyrus japonicus</i>	dune wildrye - beach pea	GNR	S152	19-Mar-08	19-Mar-08	Red	CWHdm	Sparsely Vegetated, Herbaceous
<i>Leymus mollis</i> ssp. <i>mollis</i> - <i>Lathyrus japonicus</i>	dune wildrye - beach pea	GNR	S152	19-Mar-08	19-Mar-08	Red	CWHds1	Sparsely Vegetated, Herbaceous
<i>Leymus mollis</i> ssp. <i>mollis</i> - <i>Lathyrus japonicus</i>	dune wildrye - beach pea	GNR	S152	19-Mar-08	19-Mar-08	Red	CWHms2	Sparsely Vegetated, Herbaceous
<i>Leymus mollis</i> ssp. <i>mollis</i> - <i>Lathyrus japonicus</i>	dune wildrye - beach pea	GNR	S152	19-Mar-08	19-Mar-08	Red	CWHvh1	Sparsely Vegetated, Herbaceous
<i>Leymus mollis</i> ssp. <i>mollis</i> - <i>Lathyrus japonicus</i>	dune wildrye - beach pea	GNR	S152	19-Mar-08	19-Mar-08	Red	CWHvh2	Sparsely Vegetated, Herbaceous
<i>Leymus mollis</i> ssp. <i>mollis</i> - <i>Lathyrus japonicus</i>	dune wildrye - beach pea	GNR	S152	19-Mar-08	19-Mar-08	Red	CWHvm	Sparsely Vegetated, Herbaceous
<i>Leymus mollis</i> ssp. <i>mollis</i> - <i>Lathyrus japonicus</i>	dune wildrye - beach pea	GNR	S152	19-Mar-08	19-Mar-08	Red	CWHvm1	Sparsely Vegetated, Herbaceous
<i>Leymus mollis</i> ssp. <i>mollis</i> - <i>Lathyrus japonicus</i>	dune wildrye - beach pea	GNR	S152	19-Mar-08	19-Mar-08	Red	CWHw1	Sparsely Vegetated, Herbaceous
<i>Leymus mollis</i> ssp. <i>mollis</i> - <i>Lathyrus japonicus</i>	dune wildrye - beach pea	GNR	S152	19-Mar-08	19-Mar-08	Red	CWHwm	Sparsely Vegetated, Herbaceous
<i>Leymus mollis</i> ssp. <i>mollis</i> - <i>Lathyrus japonicus</i>	dune wildrye - beach pea	GNR	S152	19-Mar-08	19-Mar-08	Red	CWHws1	Sparsely Vegetated, Herbaceous
<i>Leymus mollis</i> ssp. <i>mollis</i> - <i>Lathyrus japonicus</i>	dune wildrye - beach pea	GNR	S152	19-Mar-08	19-Mar-08	Red	CWHxm1	Sparsely Vegetated, Herbaceous
<i>Leymus mollis</i> ssp. <i>mollis</i> - <i>Lathyrus japonicus</i>	dune wildrye - beach pea	GNR	S152	19-Mar-08	19-Mar-08	Red	CWHxm2	Sparsely Vegetated, Herbaceous
<i>Menyanthes trifoliata</i> - <i>Carex lasiocarpa</i>	buckbean - slender sedge	G3	S3	31-Oct-04	31-Jul-02	Blue	CDFmm WF06	Wetland, Herbaceous
<i>Menyanthes trifoliata</i> - <i>Carex lasiocarpa</i>	buckbean - slender sedge	G3	S3	31-Oct-04	31-Jul-02	Blue	CWHws1 WF06	Wetland, Herbaceous
<i>Menyanthes trifoliata</i> - <i>Carex lasiocarpa</i>	buckbean - slender sedge	G3	S3	31-Oct-04	31-Jul-02	Blue	ICHwk1 WF06	Wetland, Herbaceous
<i>Menyanthes trifoliata</i> - <i>Carex lasiocarpa</i>	buckbean - slender sedge	G3	S3	31-Oct-04	31-Jul-02	Blue	IDFdK2 WF06	Wetland, Herbaceous
<i>Menyanthes trifoliata</i> - <i>Carex lasiocarpa</i>	buckbean - slender sedge	G3	S3	31-Oct-04	31-Jul-02	Blue	SBSdk WF06	Wetland, Herbaceous
<i>Myrica gale</i> / <i>Carex sitchensis</i>	sweet gale / Sitka sedge	G3	S2	14-Jul-04	14-Jul-04	Red	CDFmm WF52	Wetland, Shrub, Herbaceous
<i>Myrica gale</i> / <i>Carex sitchensis</i>	sweet gale / Sitka sedge	G3	S2	14-Jul-04	14-Jul-04	Red	CWHm1 WF52	Wetland, Shrub, Herbaceous
<i>Myrica gale</i> / <i>Carex sitchensis</i>	sweet gale / Sitka sedge	G3	S2	14-Jul-04	14-Jul-04	Red	CWHm2 WF52	Wetland, Shrub, Herbaceous
<i>Myrica gale</i> / <i>Carex sitchensis</i>	sweet gale / Sitka sedge	G3	S2	14-Jul-04	14-Jul-04	Red	CWHw WF52	Wetland, Shrub, Herbaceous
<i>Myrica gale</i> / <i>Carex sitchensis</i>	sweet gale / Sitka sedge	G3	S2	14-Jul-04	14-Jul-04	Red	CWHxm1 WF52	Wetland, Shrub, Herbaceous
<i>Myrica gale</i> / <i>Carex sitchensis</i>	sweet gale / Sitka sedge	G3	S2	14-Jul-04	14-Jul-04	Red	CWHxm2 WF52	Wetland, Shrub, Herbaceous
<i>Picea engelmannii</i> x <i>glauca</i> - <i>Betula papyrifera</i> / <i>Oplopanax horridus</i>	hybrid white spruce - paper birch / devil's club	GNR	S3	24-Jun-04	31-Mar-01	Blue	ICHmc2 54	Forest, Riparian
<i>Picea engelmannii</i> x <i>glauca</i> - <i>Betula papyrifera</i> / <i>Oplopanax horridus</i>	hybrid white spruce - paper birch / devil's club	GNR	S3	24-Jun-04	31-Mar-01	Blue	SBSmh 07	Forest, Riparian
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	BWBSdk1 09	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	BWBSdk1 Wb09	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	BWBSmw1 11	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	BWBSmw1 Wb09	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	BWBSmw2 12	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	BWBSmw2 Wb09	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	BWBSwk1 07	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	BWBSwk1 Wb09	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	BWBSwk2 07	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	BWBSwk2 Wb09	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	SBSdw3 12	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	SBSdw3 Wb09	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	SBSmc2 17	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	SBSmc2 Wb09	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	SBSmw 16	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	SBSmw Wb09	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	SBSwk1 15	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	SBSwk1 Wb09	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	SBSwk3 08	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	SBSwk3 Wb09	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	SWBmk 09	Forest, Wetland
<i>Picea mariana</i> / <i>Equisetum arvense</i> / <i>Sphagnum</i> spp.	black spruce / common horsetail / peat-mosses	GNR	S354	18-May-10	18-May-10	Blue	SWBmk Wb09	Forest, Wetland



Appendix 6.6-3. BC CDC Listed Ecosystems in the Kalum Forest District

Scientific Name	English Name	Global Status	Prov Status	Prov Status Review Date	Prov Status Change Date	BC List	Biogeoclimatic Units	Ecosystem Group
<i>Picea mariana / Lysichiton americanus / Sphagnum spp.</i>	black spruce / skunk cabbage / peat-mosses	GNR	S253	30-Jun-04	30-Jun-04	Blue	ICHmc2 12	Wetland, Forest
<i>Picea mariana / Lysichiton americanus / Sphagnum spp.</i>	black spruce / skunk cabbage / peat-mosses	GNR	S253	30-Jun-04	30-Jun-04	Blue	ICHmc2 Ws09	Wetland, Forest
<i>Picea mariana / Lysichiton americanus / Sphagnum spp.</i>	black spruce / skunk cabbage / peat-mosses	GNR	S253	30-Jun-04	30-Jun-04	Blue	ICHvk2 10	Wetland, Forest
<i>Picea mariana / Lysichiton americanus / Sphagnum spp.</i>	black spruce / skunk cabbage / peat-mosses	GNR	S253	30-Jun-04	30-Jun-04	Blue	ICHvk2 Ws09	Wetland, Forest
<i>Picea mariana / Lysichiton americanus / Sphagnum spp.</i>	black spruce / skunk cabbage / peat-mosses	GNR	S253	30-Jun-04	30-Jun-04	Blue	SBSvk 13	Wetland, Forest
<i>Picea mariana / Lysichiton americanus / Sphagnum spp.</i>	black spruce / skunk cabbage / peat-mosses	GNR	S253	30-Jun-04	30-Jun-04	Blue	SBSvk Ws09	Wetland, Forest
<i>Picea mariana / Lysichiton americanus / Sphagnum spp.</i>	black spruce / skunk cabbage / peat-mosses	GNR	S253	30-Jun-04	30-Jun-04	Blue	SBSwk1 17	Wetland, Forest
<i>Picea mariana / Lysichiton americanus / Sphagnum spp.</i>	black spruce / skunk cabbage / peat-mosses	GNR	S253	30-Jun-04	30-Jun-04	Blue	SBSwk1 Ws09	Wetland, Forest
<i>Picea mariana / Menyanthes trifoliata / Sphagnum spp.</i>	black spruce / buckbean / peat-mosses	GNR	S3	17-Jul-08	17-Jul-08	Blue	ICHmc2 11	Wetland, Forest
<i>Picea mariana / Menyanthes trifoliata / Sphagnum spp.</i>	black spruce / buckbean / peat-mosses	GNR	S3	17-Jul-08	17-Jul-08	Blue	ICHmc2 Wb11	Wetland, Forest
<i>Picea mariana / Menyanthes trifoliata / Sphagnum spp.</i>	black spruce / buckbean / peat-mosses	GNR	S3	17-Jul-08	17-Jul-08	Blue	ICHmw3 Wb11	Wetland, Forest
<i>Picea mariana / Menyanthes trifoliata / Sphagnum spp.</i>	black spruce / buckbean / peat-mosses	GNR	S3	17-Jul-08	17-Jul-08	Blue	ICHvk2 09	Wetland, Forest
<i>Picea mariana / Menyanthes trifoliata / Sphagnum spp.</i>	black spruce / buckbean / peat-mosses	GNR	S3	17-Jul-08	17-Jul-08	Blue	ICHvk2 Wb11	Wetland, Forest
<i>Picea mariana / Menyanthes trifoliata / Sphagnum spp.</i>	black spruce / buckbean / peat-mosses	GNR	S3	17-Jul-08	17-Jul-08	Blue	ICHwk3 11	Wetland, Forest
<i>Picea mariana / Menyanthes trifoliata / Sphagnum spp.</i>	black spruce / buckbean / peat-mosses	GNR	S3	17-Jul-08	17-Jul-08	Blue	ICHwk3 Wb11	Wetland, Forest
<i>Picea mariana / Menyanthes trifoliata / Sphagnum spp.</i>	black spruce / buckbean / peat-mosses	GNR	S3	17-Jul-08	17-Jul-08	Blue	SBSdw2 12	Wetland, Forest
<i>Picea mariana / Menyanthes trifoliata / Sphagnum spp.</i>	black spruce / buckbean / peat-mosses	GNR	S3	17-Jul-08	17-Jul-08	Blue	SBSdw2 Wb11	Wetland, Forest
<i>Picea mariana / Menyanthes trifoliata / Sphagnum spp.</i>	black spruce / buckbean / peat-mosses	GNR	S3	17-Jul-08	17-Jul-08	Blue	SBSmc2 16	Wetland, Forest
<i>Picea mariana / Menyanthes trifoliata / Sphagnum spp.</i>	black spruce / buckbean / peat-mosses	GNR	S3	17-Jul-08	17-Jul-08	Blue	SBSmc2 Wb11	Wetland, Forest
<i>Picea mariana / Menyanthes trifoliata / Sphagnum spp.</i>	black spruce / buckbean / peat-mosses	GNR	S3	17-Jul-08	17-Jul-08	Blue	SBSwk1 16	Wetland, Forest
<i>Picea mariana / Menyanthes trifoliata / Sphagnum spp.</i>	black spruce / buckbean / peat-mosses	GNR	S3	17-Jul-08	17-Jul-08	Blue	SBSwk1 Wb11	Wetland, Forest
<i>Picea sitchensis / Calamagrostis nutkaensis</i>	Sitka spruce / Pacific reedgrass	G3G5	S3	31-Oct-04	11-Jul-02	Blue	CWHvh1 16	Forest
<i>Picea sitchensis / Calamagrostis nutkaensis</i>	Sitka spruce / Pacific reedgrass	G3G5	S3	31-Oct-04	11-Jul-02	Blue	CWHvh2 16	Forest
<i>Picea sitchensis / Calamagrostis nutkaensis</i>	Sitka spruce / Pacific reedgrass	G3G5	S3	31-Oct-04	11-Jul-02	Blue	CWHvh1 15	Forest
<i>Picea sitchensis / Carex obnupta</i>	Sitka spruce / slough sedge	G2G3	S253	31-Oct-04	29-Sep-94	Blue	CWHvh1 18	Forest, Estuarine, Wetland
<i>Picea sitchensis / Carex obnupta</i>	Sitka spruce / slough sedge	G2G3	S253	31-Oct-04	29-Sep-94	Blue	CWHvh2 18	Forest, Estuarine, Wetland
<i>Picea sitchensis / Carex obnupta</i>	Sitka spruce / slough sedge	G2G3	S253	31-Oct-04	29-Sep-94	Blue	CWHvh1 17	Forest, Estuarine, Wetland
<i>Picea sitchensis / Eurhynchium oregonum</i>	Sitka spruce / Oregon beaked-moss	GNR	S3	31-Oct-04	15-Jun-00	Blue	CWHvh1 15	Forest
<i>Picea sitchensis / Eurhynchium oregonum</i>	Sitka spruce / Oregon beaked-moss	GNR	S3	31-Oct-04	15-Jun-00	Blue	CWHvh2 15	Forest
<i>Picea sitchensis / Eurhynchium oregonum</i>	Sitka spruce / Oregon beaked-moss	GNR	S3	31-Oct-04	15-Jun-00	Blue	CWHvh1 14	Forest
<i>Picea sitchensis / Gaultheria shallon</i>	Sitka spruce / salal	GNR	S3	20-Apr-10	20-Apr-10	Blue	CWHvh1 14	Forest
<i>Picea sitchensis / Gaultheria shallon</i>	Sitka spruce / salal	GNR	S3	20-Apr-10	20-Apr-10	Blue	CWHvh2 14	Forest
<i>Picea sitchensis / Lysichiton americanus</i>	Sitka spruce / skunk cabbage	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHwm 09	Wetland, Forest
<i>Picea sitchensis / Maianthemum dilatatum Wet Hypermaritime 1</i>	Sitka spruce / false lily-of-the-valley Wet Hypermaritime 1	G2G3	S2	31-Oct-04	29-Sep-94	Red	CWHvh2 08	Riparian, Forest
<i>Picea sitchensis / Maianthemum dilatatum Wet Hypermaritime 1</i>	Sitka spruce / false lily-of-the-valley Wet Hypermaritime 1	G2G3	S2	31-Oct-04	29-Sep-94	Red	CWHvh1 07	Riparian, Forest
<i>Picea sitchensis / Malus fusca</i>	Sitka spruce / Pacific crab apple	GNR	S3	31-Oct-04	15-Jun-00	Blue	CWHvh1 19	Estuarine, Forest, Riparian
<i>Picea sitchensis / Malus fusca</i>	Sitka spruce / Pacific crab apple	GNR	S3	31-Oct-04	15-Jun-00	Blue	CWHvh2 19	Estuarine, Forest, Riparian
<i>Picea sitchensis / Malus fusca</i>	Sitka spruce / Pacific crab apple	GNR	S3	31-Oct-04	15-Jun-00	Blue	CWHvh1 18	Estuarine, Forest, Riparian
<i>Picea sitchensis / Polystichum munitum</i>	Sitka spruce / sword fern	G3	S3	31-Oct-04	29-Sep-94	Blue	CWHvh1 17	Forest
<i>Picea sitchensis / Polystichum munitum</i>	Sitka spruce / sword fern	G3	S3	31-Oct-04	29-Sep-94	Blue	CWHvh2 17	Forest
<i>Picea sitchensis / Rubus spectabilis Very Wet Maritime</i>	Sitka spruce / salmonberry Very Wet Maritime	G3	S2	31-Oct-04	29-Sep-94	Red	CWHvm1 09	Riparian, Forest
<i>Picea sitchensis / Rubus spectabilis Wet Maritime</i>	Sitka spruce / salmonberry Wet Maritime	G3	S3	31-Oct-04	15-Jun-00	Blue	CWHvm 05	Riparian, Forest
<i>Picea sitchensis / Rubus spectabilis Wet Submaritime 1</i>	Sitka spruce / salmonberry Wet Submaritime 1	G3	S2	31-Oct-04	29-Sep-94	Red	CWHvs1 07	Riparian, Forest
<i>Picea sitchensis / Rubus spectabilis Wet Submaritime 2</i>	Sitka spruce / salmonberry Wet Submaritime 2	G3	S3	31-Oct-04	16-Jul-02	Blue	CWHvs2 07	Riparian, Forest
<i>Picea sitchensis / Trisetum canescens</i>	Sitka spruce / tall trisetum	G1G2	S1S2	31-Oct-04	15-Jun-00	Red	CWHvh1 09	Riparian, Forest
<i>Picea sitchensis / Trisetum canescens</i>	Sitka spruce / tall trisetum	G1G2	S1S2	31-Oct-04	15-Jun-00	Red	CWHvh2 09	Riparian, Forest
<i>Picea sitchensis / Trisetum canescens</i>	Sitka spruce / tall trisetum	G1G2	S1S2	31-Oct-04	15-Jun-00	Red	CWHvh1 08	Riparian, Forest
<i>Picea sitchensis - Tsuga mertensiana / Calamagrostis nutkaensis</i>	Sitka spruce - mountain hemlock / Pacific reedgrass	G3G4	S3	31-Oct-04	29-Sep-94	Blue	MHW1 03	Forest
<i>Picea sitchensis - Tsuga mertensiana / Calamagrostis nutkaensis</i>	Sitka spruce - mountain hemlock / Pacific reedgrass	G3G4	S3	31-Oct-04	29-Sep-94	Blue	MHW2 03	Forest
<i>Pinus albicaulis / Cladonia spp. - Dicranum fuscescens</i>	whitebark pine / clad lichens - curly heron's-bill moss	GNR	S3	14-Apr-09	31-Mar-06	Blue	ESSFmk 02	Forest, Woodland
<i>Pinus albicaulis / Cladonia spp. - Dicranum fuscescens</i>	whitebark pine / clad lichens - curly heron's-bill moss	GNR	S3	14-Apr-09	31-Mar-06	Blue	ESSFmk 03	Forest, Woodland
<i>Pinus contorta / Arctostaphylos uva-ursi</i>	lodgepole pine / kinnikinnick	GNR	S2	31-Oct-04	15-Jun-00	Red	CWHvs1 02	Woodland, Forest
<i>Pinus contorta / Arctostaphylos uva-ursi</i>	lodgepole pine / kinnikinnick	GNR	S2	31-Oct-04	15-Jun-00	Red	CWHvs2 02	Woodland, Forest
<i>Pinus contorta / Carex pauciflora / Sphagnum spp.</i>	lodgepole pine / few-flowered sedge / peat-mosses	G2G3	S253	14-Jul-04	14-Jul-04	Blue	ESSFmc 11	Wetland, Forest, Woodland
<i>Pinus contorta / Carex pauciflora / Sphagnum spp.</i>	lodgepole pine / few-flowered sedge / peat-mosses	G2G3	S253	14-Jul-04	14-Jul-04	Blue	ESSFmc Wb10	Wetland, Forest, Woodland
<i>Pinus contorta / Carex pauciflora / Sphagnum spp.</i>	lodgepole pine / few-flowered sedge / peat-mosses	G2G3	S253	14-Jul-04	14-Jul-04	Blue	ESSFwc3 04	Wetland, Forest, Woodland
<i>Pinus contorta / Carex pauciflora / Sphagnum spp.</i>	lodgepole pine / few-flowered sedge / peat-mosses	G2G3	S253	14-Jul-04	14-Jul-04	Blue	ESSFwc3 Wb10	Wetland, Forest, Woodland
<i>Pinus contorta / Carex pauciflora / Sphagnum spp.</i>	lodgepole pine / few-flowered sedge / peat-mosses	G2G3	S253	14-Jul-04	14-Jul-04	Blue	ICHwk2 10	Wetland, Forest, Woodland
<i>Pinus contorta / Carex pauciflora / Sphagnum spp.</i>	lodgepole pine / few-flowered sedge / peat-mosses	G2G3	S253	14-Jul-04	14-Jul-04	Blue	ICHwk2 Wb10	Wetland, Forest, Woodland
<i>Pinus contorta / Carex pauciflora / Sphagnum spp.</i>	lodgepole pine / few-flowered sedge / peat-mosses	G2G3	S253	14-Jul-04	14-Jul-04	Blue	SBSmc2 15	Wetland, Forest, Woodland
<i>Pinus contorta / Carex pauciflora / Sphagnum spp.</i>	lodgepole pine / few-flowered sedge / peat-mosses	G2G3	S253	14-Jul-04	14-Jul-04	Blue	SBSmc2 Wb10	Wetland, Forest, Woodland
<i>Plantago maritima - Puccinellia pumila</i>	sea plantain - dwarf alkali-grass	G2	S2	14-Jul-04	14-Jul-04	Red	CWH Em04	Estuarine, Herbaceous, Wetland
<i>Populus balsamifera ssp. trichocarpa - Abies lasiocarpa / Oplatanax horridus</i>	black cottonwood - subalpine fir / devil's club	GNR	S253	17-Jul-08	17-Jul-08	Blue	ICHmc1 Fm03	Riparian, Forest
<i>Populus balsamifera ssp. trichocarpa - Abies lasiocarpa / Oplatanax horridus</i>	black cottonwood - subalpine fir / devil's club	GNR	S253	17-Jul-08	17-Jul-08	Blue	ICHmc2 Fm03	Riparian, Forest
<i>Populus balsamifera ssp. trichocarpa - Abies lasiocarpa / Oplatanax horridus</i>	black cottonwood - subalpine fir / devil's club	GNR	S253	17-Jul-08	17-Jul-08	Blue	ICHvc Fm03	Riparian, Forest
<i>Populus balsamifera ssp. trichocarpa - Abies lasiocarpa / Oplatanax horridus</i>	black cottonwood - subalpine fir / devil's club	GNR	S253	17-Jul-08	17-Jul-08	Blue	ICHwc 06	Riparian, Forest
<i>Populus balsamifera ssp. trichocarpa - Abies lasiocarpa / Oplatanax horridus</i>	black cottonwood - subalpine fir / devil's club	GNR	S253	17-Jul-08	17-Jul-08	Blue	ICHvc Fm03	Riparian, Forest
<i>Populus balsamifera ssp. trichocarpa - Abies lasiocarpa / Oplatanax horridus</i>	black cottonwood - subalpine fir / devil's club	GNR	S253	17-Jul-08	17-Jul-08	Blue	SBSvk 12	Riparian, Forest
<i>Populus balsamifera ssp. trichocarpa - Abies lasiocarpa / Oplatanax horridus</i>	black cottonwood - subalpine fir / devil's club	GNR	S253	17-Jul-08	17-Jul-08	Blue	SBSvk Fm03	Riparian, Forest

Appendix 6.6-3. BC CDC Listed Ecosystems in the Kalum Forest District

Scientific Name	English Name	Global Status	Prov Status	Prov Status Review Date	Prov Status Change Date	BC List	Biogeoclimatic Units	Ecosystem Group
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> - <i>Alnus rubra</i> / <i>Rubus spectabilis</i>	black cottonwood - red alder / salmonberry	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHdm 09	Riparian, Forest
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> - <i>Alnus rubra</i> / <i>Rubus spectabilis</i>	black cottonwood - red alder / salmonberry	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHds1 09	Riparian, Forest
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> - <i>Alnus rubra</i> / <i>Rubus spectabilis</i>	black cottonwood - red alder / salmonberry	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHds2 09	Riparian, Forest
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> - <i>Alnus rubra</i> / <i>Rubus spectabilis</i>	black cottonwood - red alder / salmonberry	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHmm1 09	Riparian, Forest
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> - <i>Alnus rubra</i> / <i>Rubus spectabilis</i>	black cottonwood - red alder / salmonberry	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHms1 08	Riparian, Forest
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> - <i>Alnus rubra</i> / <i>Rubus spectabilis</i>	black cottonwood - red alder / salmonberry	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHms2 08	Riparian, Forest
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> - <i>Alnus rubra</i> / <i>Rubus spectabilis</i>	black cottonwood - red alder / salmonberry	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHv1 10	Riparian, Forest
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> - <i>Alnus rubra</i> / <i>Rubus spectabilis</i>	black cottonwood - red alder / salmonberry	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHvm 06	Riparian, Forest
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> - <i>Alnus rubra</i> / <i>Rubus spectabilis</i>	black cottonwood - red alder / salmonberry	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHws1 08	Riparian, Forest
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> - <i>Alnus rubra</i> / <i>Rubus spectabilis</i>	black cottonwood - red alder / salmonberry	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHws2 08	Riparian, Forest
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> - <i>Alnus rubra</i> / <i>Rubus spectabilis</i>	black cottonwood - red alder / salmonberry	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHxm1 09	Riparian, Forest
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> - <i>Alnus rubra</i> / <i>Rubus spectabilis</i>	black cottonwood - red alder / salmonberry	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHxm2 09	Riparian, Forest
<i>Ruppia maritima</i> Herbaceous Vegetation	beaked ditch-grass Herbaceous Vegetation	GNR	S2	14-Jul-04	14-Jul-04	Red	CDFmm Em01	Estuarine, Herbaceous, Wetland
<i>Ruppia maritima</i> Herbaceous Vegetation	beaked ditch-grass Herbaceous Vegetation	GNR	S2	14-Jul-04	14-Jul-04	Red	CWH Em01	Estuarine, Herbaceous, Wetland
<i>Salix sitchensis</i> / <i>Carex sitchensis</i>	Sitka willow / Sitka sedge	G3	S3	14-Jul-04	14-Jul-04	Blue	CWHvm1 Ws06	Wetland, Shrub, Riparian
<i>Salix sitchensis</i> / <i>Carex sitchensis</i>	Sitka willow / Sitka sedge	G3	S3	14-Jul-04	14-Jul-04	Blue	CWHvm2 Ws06	Wetland, Shrub, Riparian
<i>Salix sitchensis</i> / <i>Carex sitchensis</i>	Sitka willow / Sitka sedge	G3	S3	14-Jul-04	14-Jul-04	Blue	ICHvk1 Ws06	Wetland, Shrub, Riparian
<i>Salix sitchensis</i> / <i>Carex sitchensis</i>	Sitka willow / Sitka sedge	G3	S3	14-Jul-04	14-Jul-04	Blue	MSdc1 Ws06	Wetland, Shrub, Riparian
<i>Salix sitchensis</i> / <i>Carex sitchensis</i>	Sitka willow / Sitka sedge	G3	S3	14-Jul-04	14-Jul-04	Blue	MSdm1 Ws06	Wetland, Shrub, Riparian
<i>Salix sitchensis</i> / <i>Carex sitchensis</i>	Sitka willow / Sitka sedge	G3	S3	14-Jul-04	14-Jul-04	Blue	MSmw2 Ws06	Wetland, Shrub, Riparian
<i>Salix sitchensis</i> / <i>Carex sitchensis</i>	Sitka willow / Sitka sedge	G3	S3	14-Jul-04	14-Jul-04	Blue	SBSvk Ws06	Wetland, Shrub, Riparian
<i>Salix sitchensis</i> / <i>Carex sitchensis</i>	Sitka willow / Sitka sedge	G3	S3	14-Jul-04	14-Jul-04	Blue	SBSwk1 Ws06	Wetland, Shrub, Riparian
<i>Scheuchzeria palustris</i> / <i>Sphagnum</i> spp.	scheuchzeria / peat-mosses	G3	S3	14-Jul-04	14-Jul-04	Blue	ICHm2 Wb12	Wetland, Herbaceous
<i>Scheuchzeria palustris</i> / <i>Sphagnum</i> spp.	scheuchzeria / peat-mosses	G3	S3	14-Jul-04	14-Jul-04	Blue	ICHm3 Wb12	Wetland, Herbaceous
<i>Scheuchzeria palustris</i> / <i>Sphagnum</i> spp.	scheuchzeria / peat-mosses	G3	S3	14-Jul-04	14-Jul-04	Blue	SBSdw3 Wb12	Wetland, Herbaceous
<i>Scheuchzeria palustris</i> / <i>Sphagnum</i> spp.	scheuchzeria / peat-mosses	G3	S3	14-Jul-04	14-Jul-04	Blue	SBSmc2 Wb12	Wetland, Herbaceous
<i>Scheuchzeria palustris</i> / <i>Sphagnum</i> spp.	scheuchzeria / peat-mosses	G3	S3	14-Jul-04	14-Jul-04	Blue	SBSvk Wb12	Wetland, Herbaceous
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Lysichiton americanus</i>	western redcedar - Sitka spruce / skunk cabbage	G3?	S3?	31-Oct-04	16-Jul-02	Blue	CWHdm 12	Wetland, Forest
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Lysichiton americanus</i>	western redcedar - Sitka spruce / skunk cabbage	G3?	S3?	31-Oct-04	16-Jul-02	Blue	CWHds1 12	Wetland, Forest
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Lysichiton americanus</i>	western redcedar - Sitka spruce / skunk cabbage	G3?	S3?	31-Oct-04	16-Jul-02	Blue	CWHds2 12	Wetland, Forest
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Lysichiton americanus</i>	western redcedar - Sitka spruce / skunk cabbage	G3?	S3?	31-Oct-04	16-Jul-02	Blue	CWHmm1 12	Wetland, Forest
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Lysichiton americanus</i>	western redcedar - Sitka spruce / skunk cabbage	G3?	S3?	31-Oct-04	16-Jul-02	Blue	CWHms1 11	Wetland, Forest
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Lysichiton americanus</i>	western redcedar - Sitka spruce / skunk cabbage	G3?	S3?	31-Oct-04	16-Jul-02	Blue	CWHms2 11	Wetland, Forest
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Lysichiton americanus</i>	western redcedar - Sitka spruce / skunk cabbage	G3?	S3?	31-Oct-04	16-Jul-02	Blue	CWHwh1 13	Wetland, Forest
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Lysichiton americanus</i>	western redcedar - Sitka spruce / skunk cabbage	G3?	S3?	31-Oct-04	16-Jul-02	Blue	CWHwh2 13	Wetland, Forest
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Lysichiton americanus</i>	western redcedar - Sitka spruce / skunk cabbage	G3?	S3?	31-Oct-04	16-Jul-02	Blue	CWHhm1 14	Wetland, Forest
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Lysichiton americanus</i>	western redcedar - Sitka spruce / skunk cabbage	G3?	S3?	31-Oct-04	16-Jul-02	Blue	CWHwh1 12	Wetland, Forest
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Lysichiton americanus</i>	western redcedar - Sitka spruce / skunk cabbage	G3?	S3?	31-Oct-04	16-Jul-02	Blue	CWHwh2 06	Wetland, Forest
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Lysichiton americanus</i>	western redcedar - Sitka spruce / skunk cabbage	G3?	S3?	31-Oct-04	16-Jul-02	Blue	CWHws1 11	Wetland, Forest
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Lysichiton americanus</i>	western redcedar - Sitka spruce / skunk cabbage	G3?	S3?	31-Oct-04	16-Jul-02	Blue	CWHxm1 12	Wetland, Forest
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Lysichiton americanus</i>	western redcedar - Sitka spruce / skunk cabbage	G3?	S3?	31-Oct-04	16-Jul-02	Blue	CWHxm2 12	Wetland, Forest
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Oplopanax horridus</i> Very Wet Hypermaritime 2	western redcedar - Sitka spruce / devil's club Very Wet Hypermaritime 2	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHvh2 07	Forest
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Polystichum munitum</i>	western redcedar - Sitka spruce / sword fern	G3?	S2S3	31-Oct-04	29-Sep-94	Blue	CWHv1 05	Forest
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Polystichum munitum</i>	western redcedar - Sitka spruce / sword fern	G3?	S2S3	31-Oct-04	29-Sep-94	Blue	CWHvh2 05	Forest
<i>Thuja plicata</i> - <i>Picea sitchensis</i> / <i>Polystichum munitum</i>	western redcedar - Sitka spruce / sword fern	G3?	S2S3	31-Oct-04	29-Sep-94	Blue	CWHvh1 03	Forest
<i>Thuja plicata</i> - <i>Tsuga heterophylla</i> / <i>Polystichum munitum</i>	western redcedar - western hemlock / sword fern	GNR	S3?	03-Nov-05	29-Sep-94	Blue	CWHmm1 04	Forest
<i>Thuja plicata</i> - <i>Tsuga heterophylla</i> / <i>Polystichum munitum</i>	western redcedar - western hemlock / sword fern	GNR	S3?	03-Nov-05	29-Sep-94	Blue	CWHmm2 04	Forest
<i>Thuja plicata</i> - <i>Tsuga heterophylla</i> / <i>Polystichum munitum</i>	western redcedar - western hemlock / sword fern	GNR	S3?	03-Nov-05	29-Sep-94	Blue	CWHvm1 04	Forest
<i>Thuja plicata</i> - <i>Tsuga heterophylla</i> / <i>Polystichum munitum</i>	western redcedar - western hemlock / sword fern	GNR	S3?	03-Nov-05	29-Sep-94	Blue	CWHvm2 04	Forest
<i>Trichophorum alpinum</i> / <i>Scorpidium revolvens</i>	Hudson Bay clubrush / rusty hook-moss	G2	S2	14-Jul-04	14-Jul-04	Red	SBSmc2 Wf10	Wetland, Herbaceous
<i>Trichophorum alpinum</i> / <i>Scorpidium revolvens</i>	Hudson Bay clubrush / rusty hook-moss	G2	S2	14-Jul-04	14-Jul-04	Red	SBSmk2 Wf10	Wetland, Herbaceous
<i>Trichophorum cespitosum</i> / <i>Campyllum stellatum</i>	tufted clubrush / golden star-moss	G2G3	S2S3	14-Jul-04	14-Jul-04	Blue	BWB5dk1 Wf11	Wetland, Herbaceous
<i>Trichophorum cespitosum</i> / <i>Campyllum stellatum</i>	tufted clubrush / golden star-moss	G2G3	S2S3	14-Jul-04	14-Jul-04	Blue	ESSFdc1 Wf11	Wetland, Herbaceous
<i>Trichophorum cespitosum</i> / <i>Campyllum stellatum</i>	tufted clubrush / golden star-moss	G2G3	S2S3	14-Jul-04	14-Jul-04	Blue	ESSFdc2 Wf11	Wetland, Herbaceous
<i>Trichophorum cespitosum</i> / <i>Campyllum stellatum</i>	tufted clubrush / golden star-moss	G2G3	S2S3	14-Jul-04	14-Jul-04	Blue	ESSFdc3 Wf11	Wetland, Herbaceous
<i>Trichophorum cespitosum</i> / <i>Campyllum stellatum</i>	tufted clubrush / golden star-moss	G2G3	S2S3	14-Jul-04	14-Jul-04	Blue	ESSFdv Wf11	Wetland, Herbaceous
<i>Trichophorum cespitosum</i> / <i>Campyllum stellatum</i>	tufted clubrush / golden star-moss	G2G3	S2S3	14-Jul-04	14-Jul-04	Blue	ESSFwc2 Wf11	Wetland, Herbaceous
<i>Trichophorum cespitosum</i> / <i>Campyllum stellatum</i>	tufted clubrush / golden star-moss	G2G3	S2S3	14-Jul-04	14-Jul-04	Blue	ESSFwc3 Wf11	Wetland, Herbaceous
<i>Trichophorum cespitosum</i> / <i>Campyllum stellatum</i>	tufted clubrush / golden star-moss	G2G3	S2S3	14-Jul-04	14-Jul-04	Blue	ESSFwk1 Wf11	Wetland, Herbaceous
<i>Trichophorum cespitosum</i> / <i>Campyllum stellatum</i>	tufted clubrush / golden star-moss	G2G3	S2S3	14-Jul-04	14-Jul-04	Blue	ESSFwk2 Wf11	Wetland, Herbaceous
<i>Trichophorum cespitosum</i> / <i>Campyllum stellatum</i>	tufted clubrush / golden star-moss	G2G3	S2S3	14-Jul-04	14-Jul-04	Blue	ICHm2 Wf11	Wetland, Herbaceous
<i>Trichophorum cespitosum</i> / <i>Campyllum stellatum</i>	tufted clubrush / golden star-moss	G2G3	S2S3	14-Jul-04	14-Jul-04	Blue	ICHmv1 Wf11	Wetland, Herbaceous
<i>Trichophorum cespitosum</i> / <i>Campyllum stellatum</i>	tufted clubrush / golden star-moss	G2G3	S2S3	14-Jul-04	14-Jul-04	Blue	ICHmw3 Wf11	Wetland, Herbaceous
<i>Trichophorum cespitosum</i> / <i>Campyllum stellatum</i>	tufted clubrush / golden star-moss	G2G3	S2S3	14-Jul-04	14-Jul-04	Blue	ICHvk1 Wf11	Wetland, Herbaceous
<i>Trichophorum cespitosum</i> / <i>Campyllum stellatum</i>	tufted clubrush / golden star-moss	G2G3	S2S3	14-Jul-04	14-Jul-04	Blue	MSdm2 Wf11	Wetland, Herbaceous
<i>Trichophorum cespitosum</i> / <i>Campyllum stellatum</i>	tufted clubrush / golden star-moss	G2G3	S2S3	14-Jul-04	14-Jul-04	Blue	SBSdk Wf11	Wetland, Herbaceous
<i>Trichophorum cespitosum</i> / <i>Campyllum stellatum</i>	tufted clubrush / golden star-moss	G2G3	S2S3	14-Jul-04	14-Jul-04	Blue	SBSwk1 Wf11	Wetland, Herbaceous
<i>Tsuga heterophylla</i> - <i>Abies amabilis</i> / <i>Blechnum spicant</i>	western hemlock - amabilis fir / deer fern	GNR	S3	21-Apr-10	21-Apr-10	Blue	CWHvm1 06	Forest

Appendix 6.6-3. BC CDC Listed Ecosystems in the Kalum Forest District

Scientific Name	English Name	Global Status	Prov Status	Prov Status Review Date	Prov Status Change Date	BC List	Biogeoclimatic Units	Ecosystem Group
<i>Tsuga heterophylla</i> - <i>Abies amabilis</i> / <i>Blechnum spicant</i>	western hemlock - amabilis fir / deer fern	GNR	S3	21-Apr-10	21-Apr-10	Blue	CWHvm2 06	Forest
<i>Tsuga heterophylla</i> / <i>Arctostaphylos uva-ursi</i> / <i>Cladonia</i> spp.	western hemlock / kinnikinnick / clad lichens	GNR	S3	08-Jul-04	29-Sep-94	Blue	ICHmc1 02	Woodland, Forest
<i>Tsuga heterophylla</i> / <i>Arctostaphylos uva-ursi</i> / <i>Cladonia</i> spp.	western hemlock / kinnikinnick / clad lichens	GNR	S3	08-Jul-04	29-Sep-94	Blue	ICHmc2 02	Woodland, Forest
<i>Tsuga heterophylla</i> - <i>Picea sitchensis</i> / <i>Hylacomium splendens</i>	western hemlock - Sitka spruce / step moss	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHwm 02	Forest
<i>Tsuga heterophylla</i> - <i>Picea sitchensis</i> / <i>Rhytidadelphus loreus</i>	western hemlock - Sitka spruce / lanky moss	GNR	S3	22-Oct-09	31-Mar-01	Blue	CWHvh1 04	Forest
<i>Tsuga heterophylla</i> - <i>Picea sitchensis</i> / <i>Rhytidadelphus loreus</i>	western hemlock - Sitka spruce / lanky moss	GNR	S3	22-Oct-09	31-Mar-01	Blue	CWHvh2 04	Forest
<i>Tsuga heterophylla</i> - <i>Picea sitchensis</i> / <i>Rhytidadelphus loreus</i>	western hemlock - Sitka spruce / lanky moss	GNR	S3	22-Oct-09	31-Mar-01	Blue	CWHwh1 01	Forest
<i>Tsuga heterophylla</i> - <i>Picea sitchensis</i> / <i>Rhytidadelphus loreus</i>	western hemlock - Sitka spruce / lanky moss	GNR	S3	22-Oct-09	31-Mar-01	Blue	CWHwh2 01	Forest
<i>Tsuga heterophylla</i> - <i>Pinus contorta</i> / <i>Pleurozium schreberi</i>	western hemlock - lodgepole pine / red-stemmed feathermoss	G2G3	S2S3	22-Mar-07	22-Mar-07	Blue	CWHws1 03	Forest
<i>Tsuga heterophylla</i> - <i>Pinus contorta</i> / <i>Pleurozium schreberi</i>	western hemlock - lodgepole pine / red-stemmed feathermoss	G2G3	S2S3	22-Mar-07	22-Mar-07	Blue	CWHws2 03	Forest
<i>Tsuga heterophylla</i> / <i>Rubus chamaemorus</i> / <i>Sphagnum</i> spp.	western hemlock / cloudberry / peat-mosses	GNR	S2	14-Jul-04	14-Jul-04	Red	ICHmc2 09	Wetland, Forest
<i>Tsuga heterophylla</i> / <i>Rubus chamaemorus</i> / <i>Sphagnum</i> spp.	western hemlock / cloudberry / peat-mosses	GNR	S2	14-Jul-04	14-Jul-04	Red	ICHmc2 Wb04	Wetland, Forest
<i>Tsuga heterophylla</i> / <i>Rubus chamaemorus</i> / <i>Sphagnum</i> spp.	western hemlock / cloudberry / peat-mosses	GNR	S2	14-Jul-04	14-Jul-04	Red	ICHvc 07	Wetland, Forest
<i>Tsuga heterophylla</i> / <i>Rubus chamaemorus</i> / <i>Sphagnum</i> spp.	western hemlock / cloudberry / peat-mosses	GNR	S2	14-Jul-04	14-Jul-04	Red	ICHvc Wb04	Wetland, Forest
<i>Tsuga heterophylla</i> / <i>Rubus chamaemorus</i> / <i>Sphagnum</i> spp.	western hemlock / cloudberry / peat-mosses	GNR	S2	14-Jul-04	14-Jul-04	Red	ICHwc 09	Wetland, Forest
<i>Tsuga heterophylla</i> / <i>Rubus chamaemorus</i> / <i>Sphagnum</i> spp.	western hemlock / cloudberry / peat-mosses	GNR	S2	14-Jul-04	14-Jul-04	Red	ICHwc Wb04	Wetland, Forest
<i>Tsuga heterophylla</i> / <i>Sphagnum girgensohnii</i>	western hemlock / common green peat-moss	GNR	S3	31-Oct-04	29-Sep-94	Blue	CWHwm 08	Forest, Shrub
<i>Tsuga heterophylla</i> - <i>Thuja plicata</i> / <i>Gaultheria shallon</i> Very Wet Maritime	western hemlock - western redcedar / salal Very Wet Maritime	G3	S3	15-Feb-06	28-Mar-06	Blue	CWHvm1 03	Forest
<i>Tsuga heterophylla</i> - <i>Thuja plicata</i> / <i>Gaultheria shallon</i> Very Wet Maritime	western hemlock - western redcedar / salal Very Wet Maritime	G3	S3	15-Feb-06	28-Mar-06	Blue	CWHvm2 03	Forest

## Appendix 6.6-4

BC CDC and COSEWIC Listed Plants in the Kalum Forest  
District

**Appendix 6.6-4. BC CDC and COSEWIC Listed Plants in the Kalum Forest District**

Scientific Name	English Name	Global Status	Prov Status	Prov Status Review Date	Prov Status Change Date	COSEWIC	BC List	Name Category
<i>Amblystegium tenax</i>		G5	S2S3				Blue	Nonvascular Plant
<i>Amphidium mougeotii</i>		G5	S2S3				Blue	Nonvascular Plant
<i>Botrychium pedunculosum</i>	stalked moonwort	G2G3	S2	02-Jan-02	02-Jan-02		Red	Vascular Plant
<i>Bryhnia hultenii</i>		G4	S1				Red	Nonvascular Plant
<i>Campylium hispidulum</i>		G4G5	S2S3				Blue	Nonvascular Plant
<i>Carex rostrata</i>	swollen beaked sedge	G5	S2S3	29-Dec-00	12-Oct-00		Blue	Vascular Plant
<i>Cynodontium tenellum</i>		G3G5Q	S2S3				Blue	Nonvascular Plant
<i>Cyrtomnium hymenophylloides</i>		G5?	S2S3				Blue	Nonvascular Plant
<i>Cyrtomnium hymenophyllum</i>		G3G5	S2S3				Blue	Nonvascular Plant
<i>Dicranella cerviculata</i>		G5?	S2S3				Blue	Nonvascular Plant
<i>Draba cinerea</i>	gray-leaved draba	G5	S2S3	29-Dec-00	30-Apr-96		Blue	Vascular Plant
<i>Draba lonchocarpa</i> var. <i>thompsonii</i>	lance-fruited draba	G5T3T4	S2S3	29-Dec-00	30-Apr-96		Blue	Vascular Plant
<i>Draba lonchocarpa</i> var. <i>vestita</i>	lance-fruited draba	G5T3	S2S3	29-Dec-00	30-Apr-96		Blue	Vascular Plant
<i>Drepanocladus crassicosatus</i>		G3G5	S2S3				Blue	Nonvascular Plant
<i>Drepanocladus uncinatus</i> var. <i>symmetricus</i>		G5TNR	S2S3				Blue	Nonvascular Plant
<i>Dryopteris cristata</i>	crested wood fern	G5	S2S3	29-Dec-00	30-Apr-96		Blue	Vascular Plant
<i>Eleocharis kamtschatica</i>	Kamchatka spike-rush	G4	S2S3	28-Nov-01	28-Nov-01		Blue	Vascular Plant
<i>Epilobium hornemannii</i> ssp. <i>behringianum</i>	Hornemann's willowherb	G5T4	S2S3	29-Dec-00	05-Apr-00		Blue	Vascular Plant
<i>Epilobium leptocarpum</i>	small-fruited willowherb	G5	S2S3	29-Dec-00	30-Apr-96		Blue	Vascular Plant
<i>Eutrema edwardsii</i>	Edwards wallflower	G4	S2S3	29-Dec-00	30-Apr-96		Blue	Vascular Plant
<i>Juncus stygius</i>	bog rush	G5	S2S3	29-Dec-00	30-Apr-96		Blue	Vascular Plant
<i>Malaxis brachypoda</i>	white adder's-mouth orchid	G4Q	S2S3	29-Dec-00	30-Apr-96		Blue	Vascular Plant
<i>Malaxis paludosa</i>	bog adder's-mouth orchid	G4	S2S3	29-Dec-00	30-Apr-96		Blue	Vascular Plant
<i>Nephroma occultum</i>	Cryptic Paw	G4	S2S3	10-Sep-07	30-Oct-07	SC (Apr 2006)	Blue	Fungus
<i>Orthotrichum rivulare</i>		G4	S1				Red	Nonvascular Plant
<i>Pinus albicaulis</i>	whitebark pine	G3G4	S3?	10-Sep-07	30-Oct-07	E (Apr 2010)	Blue	Vascular Plant
<i>Pleuroziopsis ruthenica</i>		G3	S1S3	05-Apr-00	05-Apr-00		Red	Nonvascular Plant
<i>Poa eminens</i>	eminent bluegrass	G5	S2S3	28-Nov-01	28-Nov-01		Blue	Vascular Plant
<i>Polytrichum longisetum</i>		G5	S2S3				Blue	Nonvascular Plant
<i>Potamogeton perfoliatus</i>	perfoliate pondweed	G5	S2S3	28-Nov-01	28-Nov-01		Blue	Vascular Plant
<i>Pseudocypbellaria rainierensis</i>	oldgrowth specklebelly	G3G4	S2S3	30-Apr-10	30-Apr-10	SC (Apr 2010)	Blue	Fungus
<i>Sclerophora peronella</i>	Frosted Glass-whiskers	GNR	S1	20-May-02	20-May-02	DD (May 2005)	Red	Fungus
<i>Timmia megapolitana</i>		G5	S2S3	15-Feb-00	15-Feb-00		Blue	Nonvascular Plant

Appendix 6.6-4. BC CDC and COSEWIC Listed Plants in the Kalum Forest District

Scientific Name	English Name	Phylum	Class	Order	Family	Habitat Type
<i>Amblystegium tenax</i>		Bryophyta	Bryopsida	Hypnales	Amblystegiaceae	
<i>Amphidium mougeotii</i>		Bryophyta	Bryopsida	Orthotrichales	Orthotrichaceae	
<i>Botrychium pedunculosum</i>	stalked moonwort	Filicinophyta	Ophioglossopsida	Ophioglossales	Ophioglossaceae	PALUSTRINE; TERRESTRIAL
<i>Bryhnia hultenii</i>		Bryophyta	Bryopsida	Hypnales	Brachytheciaceae	
<i>Campylium hispidulum</i>		Bryophyta	Bryopsida	Hypnales	Amblystegiaceae	
<i>Carex rostrata</i>	swollen beaked sedge	Anthophyta	Monocotyledoneae	Cyperales	Cyperaceae	PALUSTRINE
<i>Cynodontium tenellum</i>		Bryophyta	Bryopsida	Dicranales	Dicranaceae	
<i>Cyrtomnium hymenophylloides</i>		Bryophyta	Bryopsida	Bryales	Mniaceae	
<i>Cyrtomnium hymenophyllum</i>		Bryophyta	Bryopsida	Bryales	Mniaceae	
<i>Dicranella cerviculata</i>		Bryophyta	Bryopsida	Dicranales	Dicranaceae	
<i>Draba cinerea</i>	gray-leaved draba	Anthophyta	Dicotyledoneae	Capparales	Brassicaceae	TERRESTRIAL
<i>Draba lonchocarpa</i> var. <i>thompsonii</i>	lance-fruited draba	Anthophyta	Dicotyledoneae	Capparales	Brassicaceae	TERRESTRIAL
<i>Draba lonchocarpa</i> var. <i>vestita</i>	lance-fruited draba	Anthophyta	Dicotyledoneae	Capparales	Brassicaceae	TERRESTRIAL
<i>Drepanocladus crassicostratus</i>		Bryophyta	Bryopsida	Hypnales	Amblystegiaceae	
<i>Drepanocladus uncinatus</i> var. <i>symmetricus</i>		Bryophyta	Bryopsida	Hypnales	Amblystegiaceae	
<i>Dryopteris cristata</i>	crested wood fern	Filicinophyta	Filicopsida	Filicales	Dryopteridaceae	PALUSTRINE; TERRESTRIAL
<i>Eleocharis kamtschatica</i>	Kamchatka spike-rush	Anthophyta	Monocotyledoneae	Cyperales	Cyperaceae	ESTUARINE; LACUSTRINE; PALUSTRINE
<i>Epilobium hornemannii</i> ssp. <i>behringianum</i>	Hornemann's willowherb	Anthophyta	Dicotyledoneae	Myrtales	Onagraceae	PALUSTRINE; RIVERINE; TERRESTRIAL
<i>Epilobium leptocarpum</i>	small-fruited willowherb	Anthophyta	Dicotyledoneae	Myrtales	Onagraceae	PALUSTRINE; RIVERINE; TERRESTRIAL
<i>Eutrema edwardsii</i>	Edwards wallflower	Anthophyta	Dicotyledoneae	Capparales	Brassicaceae	PALUSTRINE; RIVERINE; TERRESTRIAL
<i>Juncus stygius</i>	bog rush	Anthophyta	Monocotyledoneae	Juncales	Juncaceae	LACUSTRINE; PALUSTRINE
<i>Malaxis brachypoda</i>	white adder's-mouth orchid	Anthophyta	Monocotyledoneae	Orchidales	Orchidaceae	ESTUARINE; LACUSTRINE; PALUSTRINE; RIVERINE; TERRESTRIAL
<i>Malaxis paludosa</i>	bog adder's-mouth orchid	Anthophyta	Monocotyledoneae	Orchidales	Orchidaceae	PALUSTRINE
<i>Nephroma occultum</i>	Cryptic Paw	Ascomycota	Ascomycetes	Peltigerales	Nephromataceae	TERRESTRIAL
<i>Orthotrichum rivulare</i>		Bryophyta	Bryopsida	Orthotrichales	Orthotrichaceae	
<i>Pinus albicaulis</i>	whitebark pine	Coniferophyta	Pinopsida	Pinales	Pinaceae	
<i>Pleuroziopsis ruthenica</i>		Bryophyta	Bryopsida	Hypnales	Pleuroziopsidaceae	
<i>Poa eminens</i>	eminent bluegrass	Anthophyta	Monocotyledoneae	Cyperales	Poaceae	ESTUARINE
<i>Polytrichum longisetum</i>		Bryophyta	Bryopsida	Polytrichales	Polytrichaceae	
<i>Potamogeton perfoliatus</i>	perfoliate pondweed	Anthophyta	Monocotyledoneae	Najadales	Potamogetonaceae	LACUSTRINE; RIVERINE
<i>Pseudocypbellaria rainierensis</i>	oldgrowth specklebelly	Ascomycota	Ascomycetes	Peltigerales	Lobariaceae	TERRESTRIAL
<i>Sclerophora peronella</i>	Frosted Glass-whiskers	Ascomycota	Ascomycetes	Caliciales	Coniocybaceae	TERRESTRIAL
<i>Timmia megapolitana</i>		Bryophyta	Bryopsida	Bryales	Timmiaceae	

# Appendix 6.12-1

## Visual Quality Photos

## Appendix 6.12-1. Visual Quality Photos

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*Plate 6.12-1. Bell-Irving River, upstream from the transmission line (330°).*



*Plate 6.12-2. Bell-Irving River, downstream from the transmission line (140°).*



*Plate 6.12-3. Bell-Irving River, aerial view upstream from the transmission line (330°).*

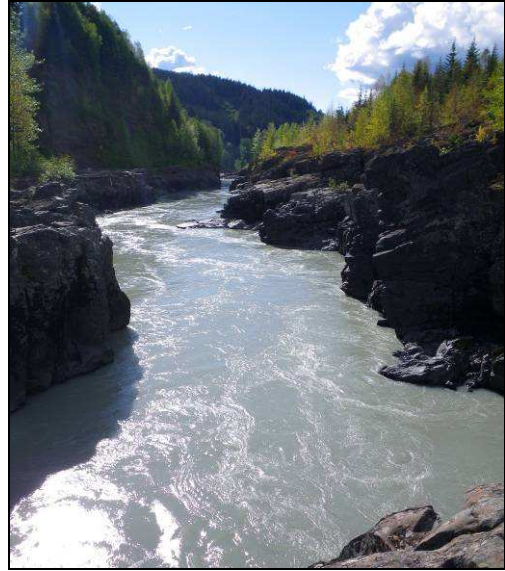


*Plate 6.12-4. Bell-Irving River, aerial view downstream from the transmission line (140°).*





*Plate 6.12-5. Nass River, upstream from the transmission line (90°).*



*Plate 6.12-6. Nass River, downstream from the transmission line (250°).*



*Plate 6.12-7. Nass River, aerial view upstream from the transmission line (90°).*



*Plate 6.12-8. Nass River, aerial view downstream from the transmission line (250°).*



*Plate 6.12-9 00208NASR Lake looking west towards the proposed transmission line.*



*Plate 6.12-10. Aerial view of 00208NASR Lake looking west towards the proposed transmission line.*



*Plate 6.12-11. Rest stop on Highway 37 just 50m north of Bell-Irving River bridge.*