

**VISUAL IMPACT ASSESSMENT
For Block 6036
Located in the Clearwater Operating Area**

Prepared for
**CONIFEX MACKENZIE
FOREST PRODUCTS Ltd.**

SEPTEMBER 2016

Prepared by
INDUSTRIAL FORESTRY SERVICE LTD.
1595 Fifth Avenue Prince George, BC V2L 3L9
www.industrialforestry.ca



VISUAL IMPACT ASSESSMENT **For Block 6036** **Located in the Clearwater Operating Area**

Industrial Forestry Service Ltd. (IFS), under contract with Conifex Mackenzie performed a Visual Impact Assessment (VIA) for Block 6036 located within the Clearwater Operating Area.

The block is situated within a known scenic area identified as *Peace Arm*. The scenic area is comprised of a single broad-based polygon known as a Visual Sensitivity Unit (VSU). The block occupies a portion of this steep sloped polygon, as identified from the Visual Landscape Inventory within the Mackenzie Forest District. (refer to the Visual Landscape Inventory Map).

Under the Forest and Range Practices Act (FRPA) there is no legal requirement to complete a VIA however, to demonstrate that the results/strategies prescribed in the Forest Stewardship Plan (FSP) will be consistent with the VQOs established within a scenic area, a formal Visual Impact Assessment was completed.

This VIA was conducted using the best information and practices available as prescribed in the Forest Practices Code of BC, Visual Impact Assessment Guidebook (January 2001), the Revenue Branch's Visual Landscape Design Training Manual (1994) and the Prince George Forest Region's Visual Impact Assessment Worksheet, version March 1999.

This exercise provided sufficient evidence to confirm which portion of the proposed alteration, if any, would be visible from the primary viewpoints and, to ensure the proposed alteration design would achieve the prescribed Visual Quality Objective (VQO) definition and maintain the integrity and visual quality of the landscape.

The following summarizes our findings:

1 - SCENIC AREA – VSU 582			
NAME:	Peace Arm /+	Made Known	Y
MAP SHEET:	093.O.094	UPDATE DATE:	1996-03-31
EVQO:	M	VSC:	3
VAC:	L	HISTORIC VSR:	M
SLOPE DESCRIPTION:	FLAT ☐ GENTLE (<30%) ☐ MODERATE (30-60%) ☒ STEEP (>60%) ☐		

2 - PROPOSED ALTERATION			
TOTAL AREA:	24.4 ha	WTP RESERVE AREA:	-
PROPOSED YEAR OF HARVEST:	2016+	PROPOSED SILVICULTURE SYSTEM:	SC

3 - VIEWPOINTS	VPT #43	VPT #44	
VIEWPOINT LOCATION	Peace Arm	Peace Arm	
VIEWPOINT IMPORTANCE: MAJOR/MINOR/POTENTIAL	Potential	Potential	
VIEWING OPPORTUNITY: STATIC/MOVING/GLIMPSE	Static	Static	
VIEWING DISTANCE: FOREGROUND/MIDGROUND/BACKGROUND	Midground	Midground	
VIEWING DURATION: LONG (>1 MIN.) / MODERATE (10 SEC. TO 1 MIN.) / SHORT (<10 SEC.)	Long	Long	
VIEWING ANGLE: FOCAL/OBLIQUE OR TANGENT/PERIPHERY	Oblique	Oblique	
Comments: There are no significant public viewing opportunities available. The viewpoint selected is to provide the most exposing view of the proposed alteration.			

4 - VISUAL QUALITY CLASSES & OBJECTIVE			
WILL THE PROPOSED ALTERATION BE VISIBLE? IF 'NO' SKIP SECTIONS 5, 7A & 7B.		YES ☐	NO ☒
DOES THE PROPOSED ALTERATION ACHIEVE THE BASIC VQC DEFINITION FROM ALL VIEWPOINTS?		YES ☒	NO ☐
WHAT VQC BASIC DEFINITION IS ACHIEVED?			
P ☐	R ☐	PR ☐	M ☒ MM ☐ EM ☐
Comments: The proposed alteration will achieve the basic definition of Modification.			

5 - VISUAL DESIGN ELEMENTS		
IF THE PROPOSED ALTERATION IS VISIBLE ASSESS THE FOLLOWING:		
VISUAL FORCE: DOES THE BLOCK RESPOND WELL TO VISUAL LINES OF FORCE?	YES ☐	NO ☐ N/A ☒
NATURAL CHARACTER: DOES THE BLOCK BORROW FROM THE NATURAL CHARACTER?	ORGANIC SHAPES:	YES ☒ NO ☐
	MIMICS SURROUNDING LANDSCAPE:	YES ☒ NO ☐
EDGE TREATMENT: DOES THE PROPOSED ALTERATION INCORPORATE IRREGULAR BOUNDARIES AND/OR FEATHERING?	IRREGULAR BOUNDARIES:	YES ☒ NO ☐
	FEATHERED EDGES:	YES ☐ NO ☒
SCALE OF ALTERATION: HOW LARGE IS THE PROPOSED ALTERATION IN RELATIONSHIP TO THE LANDSCAPE?	VERY SMALL SMALL SMALL TO MODERATE LARGE VERY LARGE	☐ ☒ ☐ ☐ ☐
CONSPICUITY: HOW VISIBLE IS THE PROPOSED ALTERATION?	INDISTINGUISHABLE DIFFICULT TO SEE EASY TO SEE VERY EASY TO SEE EXTREMELY EASY TO SEE	☐ ☒ ☐ ☐ ☐

LANDFORM POSITION: WHERE IS THE PROPOSED ALTERATION POSITIONED ON THE LANDFORM?	LOWER DOWN & TO ONE SIDE: NEAR CENTER: HIGH ON THE LANDSCAPE:	☒ ☐ ☐
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6- PHOTOGRAPHY		VPT #43	VPT #44	
DIGITAL I.D.:		No	No	
FIELD OF VIEW: WIDTH IN DEGREES		-	-	
Photographic Journal Attached: YES ☐ NO ☒				
Comments: No photographs were collected for this assessment.				

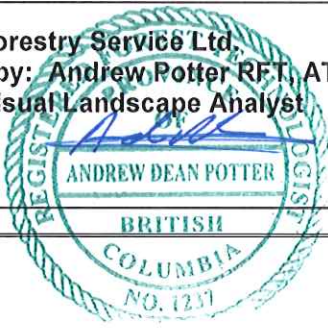
7a - SCALE OF ALTERATION		VPT #43	VPT #44	
AREA OF VISUAL LANDSCAPE UNIT [VSU] (cm ²): IN PERSPECTIVE VIEW		0.67 cm ²	2.3 cm ²	
GROUND AREA OF PROPOSED ALTERATION (cm ²): IN PERSPECTIVE VIEW		0.0 cm ²	0.0 cm ²	
GROUND AREA OF EXISTING ALTERATION IN NON-VEG (cm ²): IN PERSPECTIVE VIEW		0.03 cm ²	0.13 cm ²	
TOTAL % ALTERATION WITHIN VSU (cm ²): IN PERSPECTIVE VIEW		4.5 %	5.6 %	
DOES THE TOTAL % ALTERATION FALL WITHIN THE VQO GUIDELINES?		Yes	Yes	
Artistic Sketches Attached: YES ☐ NO ☒				
Comments: The proposed alteration will not be visible from the viewpoints.				

7b - SCALE OF ALTERATION			
PERCENT ALTERATION RANGES FOR VQCs <small>NOTE: THESE RATINGS ARE ONLY A GUIDE. REFER TO FRPR SECTION 1.1 FOR THE LEGAL VISUALLY ALTERED FOREST LANDSCAPE DEFINITIONS.</small>			VQC ACHIEVED
P	PRESERVATION	0	☐
R	RETENTION	0 – 1.5	☐
PR	PARTIAL RETENTION	1.6 – 7.0	☐
M	MODIFICATION	7.1 – 18.0	☒
MM	MAXIMUM MODIFICATION	18.1 – 30.0	☐

8 - TOPOGRAPHIC SIGHTLINE PROFILES		VPT #43	VPT #44	
NUMBER COMPLETED:		None	None	
MAP SCALE: HORIZONTAL (H) & VERTICAL (V)		-	-	
CONCLUSION: WILL THE PROPOSED ALTERATION BE VISIBLE?				
Topographic Sightline Profiles Attached in Appendices: YES ☐ NO ☒				
Comments: No topographic sightlines were completed for this assessment.				

9 - DIGITAL TERRAIN MODELS		VPT #43	VPT #44	
NUMBER COMPLETED:		One	One	
DTM TYPE:	GOOGLE BASED ☐ GIS BASED ☒			
Digital Terrain Models Attached in Appendices: YES ☒ NO ☐				
Comments: The DTM depicts the post-harvest alteration scenario for the visual landscape.				

10 - CONCLUSION
<p>The proposed block design and subsequent alteration will exhibit elements of good visual design, that when viewed will not be visible from the viewpoint and from any other potential viewing location within the Clearwater landscape. With consideration given to availability and sensitivity of the viewpoint, the proposed alteration will achieve the Visual Quality Class basic definition of Modification.</p> <p><i>We recommend that Block 6036 design be accepted. No further assessments are required.</i></p>

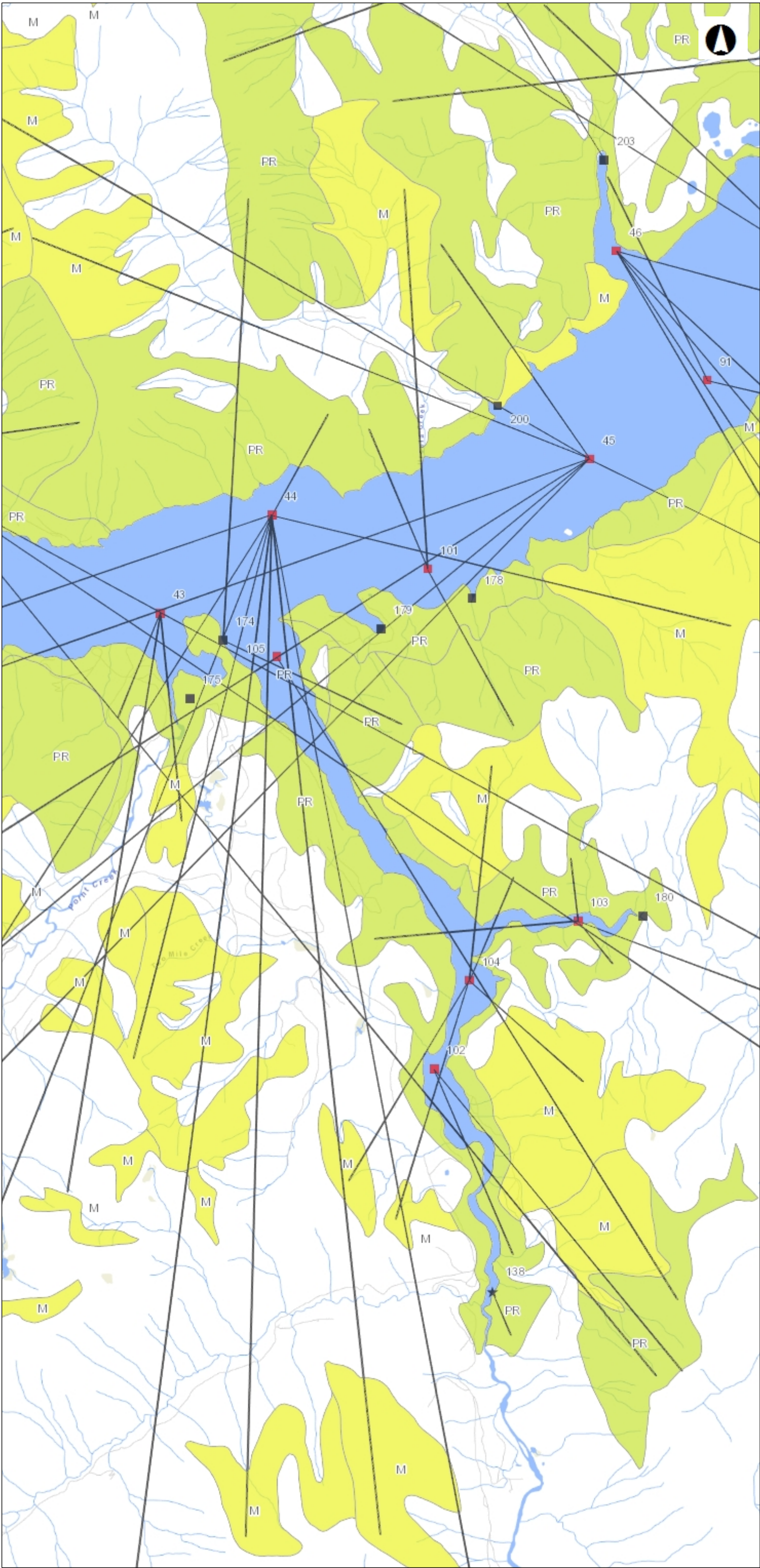
<i>I certify that I have determined that this work was performed to an acceptable standard.</i>	
DATE COMPLETED: September 21, 2016	Industrial Forestry Service Ltd. Completed by: Andrew Potter RFT, ATE Position: Visual Landscape Analyst 

Visual Landscape Inventory

Peace Arm

Visual Landscape Inventory

EVQO:	M
VLI Polygon No:	582
Scenic Area:	Y
EVC Final Value:	P
VAC Final Value:	L
Br Final Value:	
VC Final Value:	
VR Final Value:	
VSC Final Value:	3
Org Unit Name:	
Data Capture Standard:	93
Update Userid:	IFS
Update Date:	1996-03-31
Project Name:	Peace Arm/+
Map Sheet ID:	093.O.094
VSU Rating Point No:	43
VSU No:	582
RVQC:	
Historic VSR:	M
Rationale:	Clearwater/Point Creek Bay/EVQO from FPPR 9.2/LRMP recommendation for scenic area/LRMP and MFR recommended VQO=R
VLI Polygon Id:	106327



EVQO Visual Landscape Inventory Map

Legend

Visual Landscape Inventory

VIEWING_DIRECTION_TYPE

- LARGE LANDSCAPE ARROW
- SMALL LANDSCAPE ARROW

Visual Landscape Inventory

REC_VIEWPOINT_TYPE_COD

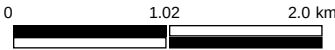
- Major
- Minor
- Photopoint
- Potential
- Error

Visual Landscape Inventory Quality Objective

REC_EVQO_CODE

- Preservation (P)
- Retention (R)
- Partial Retention (PR)
- Modification (M)
- Maximum Modification (MM)
- Scenic Class Objectives (SCO)

TileCache



1: 50,000.00

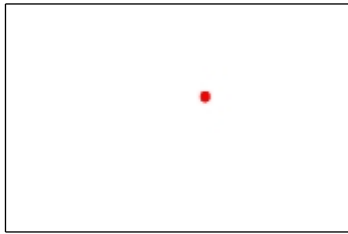
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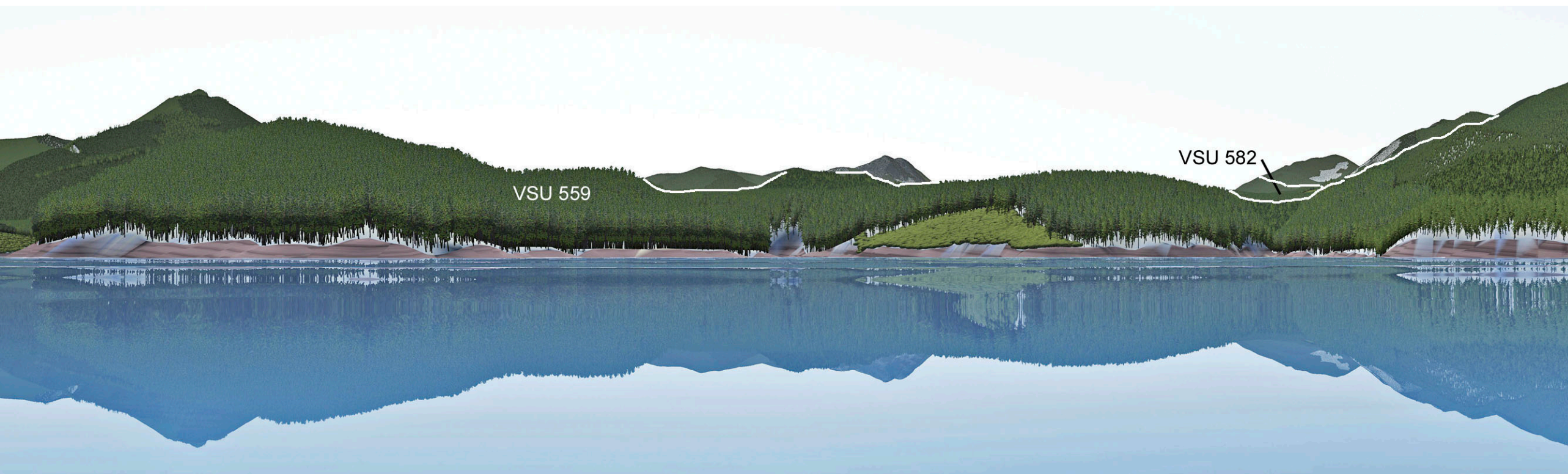
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Datum: NAD83
Projection: NAD_1983_BC_Environment_Albers

Key Map of British Columbia





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Blocks 6023 and 6036 for VSUs 559 and 582

Visual Impact Assessment - Simulation

Viewpoint #43- Potential, Static

Location: Peace Arm



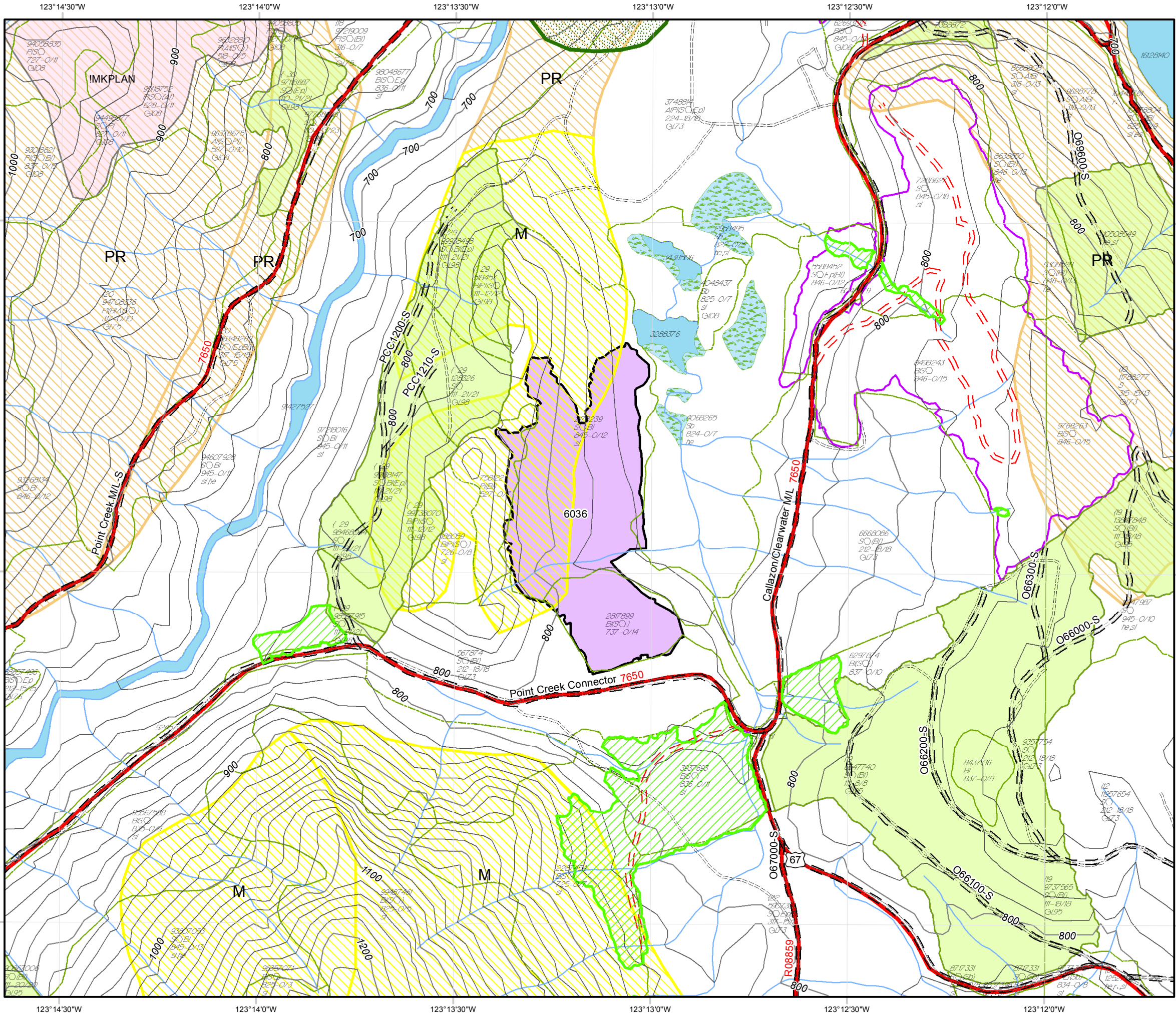
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Blocks 6023 and 6024 for VSUs 559 and 1691, 582

Visual Impact Assessment - Simulation

Viewpoint #44- Potential, Static

Location: Peace Arm



Block Map

FL: CP: BLK 6036

Region : Northern Interior

District : Mackenzie

Op Area : Clearwater

TSA / TSB : 16/16B

Plot Date : 9/20/16

Map Sheet : 0930.094

Latitude : 55° 57' 057"

Longitude : 123° 13' 10"

PSYU : Peace - P.H.A. #7

BGC Zone: SBSwk2

Gross Area : 24.4

Conifex Block Features

	Gps Block
	Not Linked
	Planned
	Available for Harvest
	Harvest Started
	Harvest Completed
	Regen Met
	FG Achieved
	Historical
	Riparian Management Zone
	Riparian Reserve Zone
	Special Management Zone
	Machine Free Zone
	Steep Slopes (Greater than 30%)
	Non-Productive
	WTRA

Constraint Features

	Canfor Blocks
	BCTS Blocks
	Old Growth Management Area
	Parks
	Private Land
	First Nations
	Northern Cariboo
	Sheep

Bridge

Existing	Proposed	Removed

Designated Crossing

Road Station

Reach Break

Roads

	Permitted Roads
	Constructed
	Access Approved
	Proposed
	Deactivated

Terrain Features

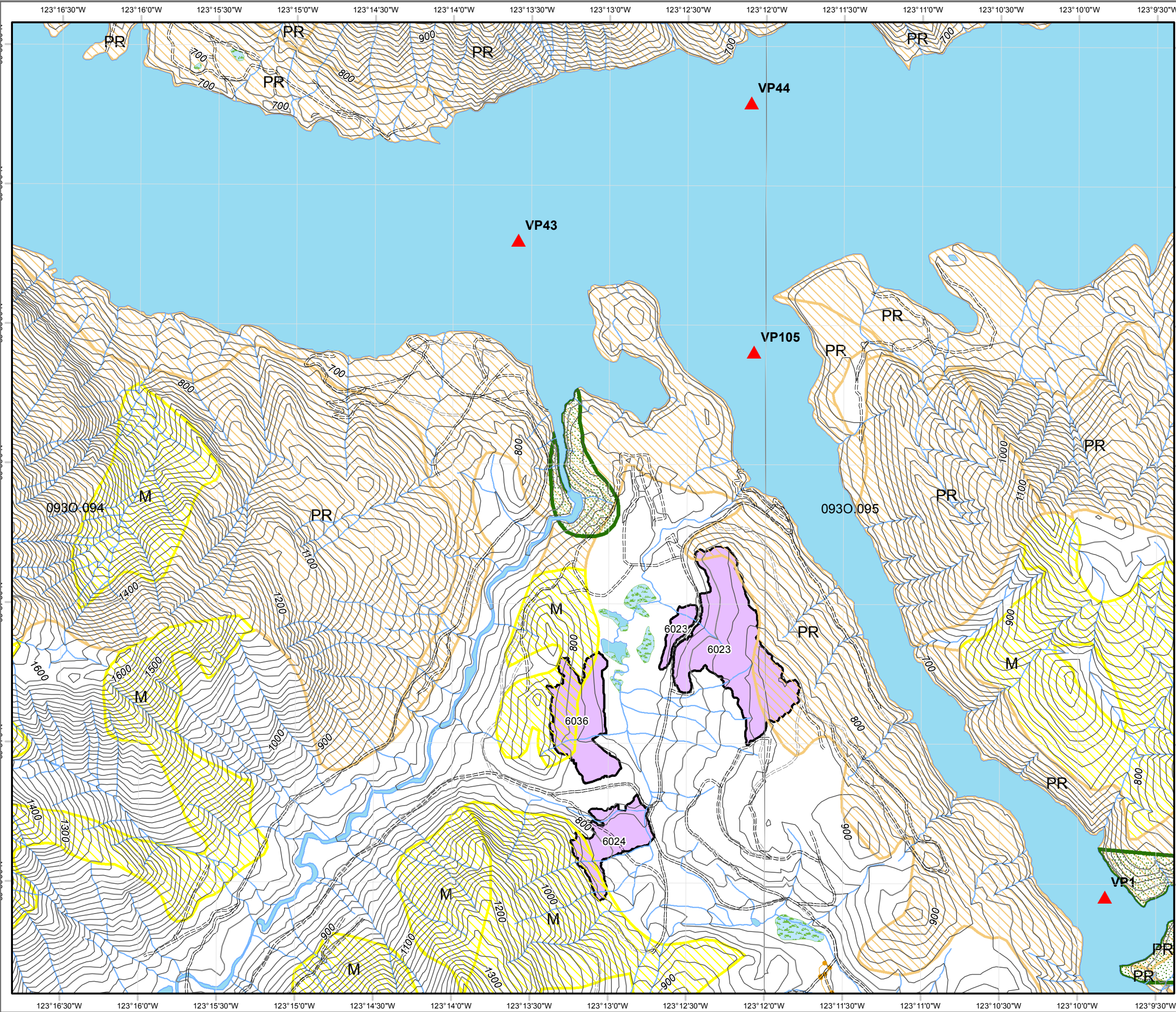
	Lakes and Rivers
	GPS Streams
	Streams
	NCD
	Contours (20m)
	Esker
	Gully
	Ridge / Dropoff
	Slide
	GPS Wetlands
	Wetlands

Point Features

	Mineral Lick
	Rock
	Boulder
	Culturally Modified Tree
	Nest
	Den
	Claim Post

1:10,000

Conifex Mackenzie Forest
Products Inc.
Mackenzie Woodlands
PO Box 250, Mackenzie, BC V0J 2C0



View Point Map

BLK 6023/6024/6036

Region : Northern Interior

District : Mackenzie

Op Area : Selwyn

TSA / TSB : 16/16B

Plot Date : 9/21/16

Map Sheet : 0930.094

Latitude :

Longitude :

PSYU : Peace - P.H.A. #7

BGC Zone: SBSwk2

	6023	24.4 ha
Gross Area :	6024	16.6 ha
	6036	51.6 ha

VIA Features

▲

View Point

Block of Interest

P

R

PR

M

M

Conifex Block Features

Gps Block

Not Linked

Planned

Available for Harvest

Harvest Started

Harvest Completed

Regen Met

FG Achieved

Historical

Riparian Management Zone

Riparian Reserve Zone

Special Management Zone

Machine Free Zone

Steep Slopes (Greater than 30%)

Non-Productive

WTRA

Constraint Features

Canfor Blocks

BCTS Blocks

Old Growth Management Area

Parks

Private Land

First Nations

First Nations

Ⓑ

Bridge

Ⓒ

Culvert

Designated Crossing

■

Road Station

◆

Reach Break

Roads

Permitted Roads

Constructed

Deactivated

Proposed

Proposed Temporary

Temporary

Wilderness

Terrain Features

Lakes and Rivers

Classified Streams

Unclassified Streams

NCD

Contours (20m)

Esker

Gully

Ridge / Dropoff

Slide

GPS Wetlands

Wetlands

Point Features

⛶

Geographic Block Centre

Ⓐ

Rock

Ⓢ

Mineral Lick

Culturally Modified Tree

Nest

Den

Claim Post

▲ IFS

Plotted By:
Donald Masson

6023-24-36_Visual_View_Pt_Map

1:25,000

0

100

200

400

600

800

1,000

1,200

Meters

N

W

E

S

CONIFEX

Conifex Mackenzie Forest
Products Inc.
Mackenzie Woodlands
PO Box 250, Mackenzie, BC V0J 2C0