

Cooper Creek Cedar Ltd.

Visual Impact Assessment
CP405
Salisbury

Prepared by:



June 3, 2020

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Cooper Creek Cedar

Visual Impact Assessment – Project Information

CP: 405 (Salisbury) blocks 1, 2, 4, 5, 7
 Proposed Year of Harvest: 2020/21

Proposed Silviculture System: CC/RES

Type of Proposed Operation: Logging

Block Area ha (No WTRAs/Reserves):

Block 1: 13.1
 Block 2: 26.9
 Block 4: 17.1
 Block 5: 6.2
 Block 7: 31.3

Visual Resource Management	VLI	VSC:	VAC:	EVC:	EVQO:
Block 1: 13.1 ha	382	2	M	PR	PR
Block 2: 26.9 ha	382	2	M	PR	PR
Block 4: 17.1 ha	382	2	M	PR	PR
Block 5: 5.2 ha	382	2	M	PR	PR
Block 5: 1.0 ha	381	3	M	P	PR
Block 7: 31.3 ha	382	2	M	PR	PR

Kootenay-Boundary Higher Level Plan Order	VSU#	Class: _
	381	2
	382	3

Foreground = 0-1km Midground = 1 – 5km Background = 5 –12km

Date Visual Landscape Inventory Completed: Nov 2016	DOES EVC EXCEED ESTABLISHED VQO?	Yes ___	No <u>X</u>
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VIEWPOINTS & PHOTOGRAPH INFORMATION

Number and name of viewpoints from which the proposal is visible and photos are taken	VP #1 Davis Creek (campground)	VP #2 Lost Ledge (campground)	VP #3 Marine Beach	VP #4 Schroeder Creek
Viewpoint importance (Major/Minor/Potential)	Major	Major	Minor	Minor
Viewpoint co-ordinates (Lat./Long. or UTM inc. elevation (m))	x- 503727 y- 5554452 z-536m	x- 504461 y- 5549984 z-536m	x- 505192 y- 5548011 z-536m	x- 506927 y- 5542465 z-536m
Viewing distance (Foreground/Midground/ Background)	3.7 Km (Mid)	3.0 Km (Mid)	3.8 Km (Mid)	8.2 Km (Background)
Viewing duration from viewpoint (High/Moderate/Low)	High	High	High	High
Focal length of camera lens (digital equivalent mm)	50	50	50	50
Direction of view (degrees true)	140 ⁰	70 ⁰	40 ⁰	30 ⁰

1. ASSESSING BASIC VQO DEFINITION

Describe the level of impact that the proposed alteration, in combination with any existing non-VEG alterations, will have on the landscape from each viewpoint, using one of the following terms: <i>Not visible, Not visually evident, Subordinate, Dominant, Out of scale</i>	VP1 <i>Not visually evident</i>	VP2 <i>subordinate</i>	VP3 <i>subordinate</i>	VP4 <i>subordinate</i>		
Which basic VQO definition would the proposed alteration, in combination with any existing non-VEG alterations, meet from all the selected viewpoints and taking into account viewpoint importance, viewing distance and viewing duration? P ___ R ___ PR <u>X</u> M ___ MM ___						
If applicable, state reasons why the proposed alteration(s) does not achieve the basic definition of the established VQO from any of the selected viewpoints. Not applicable – PR is achieved.						

2. ASSESSING VISUAL DESIGN

Have major lines of force been identified and used to develop the size and shape of the proposed operation? (If Yes, attach visual force analysis to this form.)	Yes ___ No <u>X</u>
Has the proposed operation borrowed from the natural character of the landscape? Blocks, WTRAs, and Reserves have been designed to follow natural landscape patterns. The natural viewscape is visually diverse and includes natural and rock openings, subalpine and alpine terrain, and high elevation chutes.	Yes <u>X</u> No ___
Have edge treatments been incorporated into the design of the proposed operation (feathered edges, irregular cutblock design, etc.)? Blocks, WTRAs, and Reserves have been designed to have irregular boundaries that blend and follow natural landscape patterns.	Yes <u>X</u> No ___
Have "islands," or patches of trees, been maintained to mitigate visual impacts and other resource management objectives? WTRAs, Reserves, and/or individual leave trees have been established within blocks to help mitigate visual impacts as well as maintaining biodiversity.	Yes <u>X</u> No ___
Are there any existing human-made alterations visible in the unit that exhibit poor design? - Existing older cutblocks that are visible have met visually effective green-up based on slope, stocking, tree heights and appearance. - Private land (and rock) areas were removed from the gross Visual Landscape Unit area to calculate the net Visual Landscape Unit area. Any human-made alterations in private land areas are therefore not considered, though appear to be minimal at this time regardless. If Yes, describe design deficiencies below: N/A	Yes ___ No <u>X</u>
If applicable, list any additional design techniques used and/or state reasons why certain design techniques could not be employed. Un-naturally straight timber harvest boundary lines and rectangular shapes / corners (in perspective view) have been avoided or kept to a minimum.	

3. ASSESSING NUMERICAL DATA

Complete either the clearcut or partial-cutting section below depending on the silviculture system used.

Percent Alteration Worksheet for Clearcutting

Use photograph or computer simulation output from each viewpoint for percent alteration calculations. See Appendix 8 of Visual Impact Assessment Guidebook (2 nd edition, Jan 2001) for example of calculation.	VP1	VP2	VP3	VP4		
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1. Total area of landform/VSU in perspective view as seen from each viewpoint (measured in cm ²) net of private land and rock.	144.0	276.0	128.0	68.3		
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2. Visible ground area of <i>proposed</i> alteration(s) in perspective view as seen from each viewpoint (measured in cm ²)	1.9	10.7	4.4	0.5		
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3. Visible ground area of all <i>existing</i> alterations in non-VEG state in perspective view as seen from each viewpoint (measured in cm ²)	0.0	0.0	0.0	0.0		
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4. Total % alteration of the viewshed in perspective view as seen from each viewpoint	1.3%	3.9%	3.4%	0.7%		
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Identify for each viewpoint which VQO will be achieved based on % alteration. See Table 3 in VIA Guidebook for % alteration guidelines.	R	PR	PR	R		
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Which VQO would the proposed alteration, in combination with any existing non-VEG alterations, meet from all the selected viewpoints based on percent alteration only?
 P __ R __ PR X M __ MM __ or Other _____

Partial-cutting Evaluation – Not applicable to CP 405


What percent volume or stems retention is proposed?	% Volume Remaining	% Stems Remaining
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Which VQO would the proposed alteration, in combination with any existing non-VEG alterations, meet from all the selected viewpoints based on volume or stems remaining?
 (See Table 4 in VIA Guidebook (2nd edition, Jan 2001) for partial-cutting guidelines, if applicable)
 P __ R __ PR __ M __ MM __

VIA Summary - CP 405 blks 1, 2, 4, 5, 7

Does the proposal, in combination with any existing non-VEG alterations, achieve the basic definition for the established VQO? Activities are visible, but remain subordinate.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Have visual design concepts and principles been incorporated into block/road design? Block Boundary and WTRA Design, Reserves, and dispersed leave trees work in concert to ensure Visual Impacts will be minimized.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Does the proposal, in combination with any existing non-VEG alterations, fall within the numerical ranges for the established VQO? Less than 7.0 percent alteration.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Given the three criteria listed above, does the proposal meet the established VQO from all the selected viewpoint(s)? The proposal meets the established VQO based on the basic definition of PR, percent alteration, and the size, shape and design of proposed blocks.	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Completed By: Timberland Consultants (2001) Date Completed: June 3, 2020.

	
	Robert Borhi, RPF June 3, 2020 <i>I certify that the work described herein fulfils standards expected of a member of the Association of British Columbia Forest Professionals, and that I did personally supervise the work.</i>

NOTES:

1. Proposed alterations are assessed using three criteria (the first two being the most critical ones): (1) meeting basic definition and intent of VQO, (2) quality of design, and (3) scale of alteration.
2. Silvicultural systems leaving significant tree cover will be assessed using volume or stems remaining rather than by scale of alteration as outlined in *Visual Impacts of Partial Cutting* (1997).
3. Visual quality objectives must be achieved from all selected viewpoints.

ADDITIONAL CONSIDERATIONS

Has this visual impact assessment incorporated all known alterations proposed in the scenic area for the next 5 years (i.e., all operations proposed by the same or different licensees)? [In scenic areas where operating areas are shared among licensees, there should be co-ordination between licensees in preparing VIAs (i.e., existing and proposed cutblocks/roads, if visible from the same viewpoints, must be shown for all licensees). Potential benefits are that one VIA may satisfy the requirements of several licensees, and/or digital data may be shared between licensees when preparing the VIAs.] **Yes No**

Comments: _____



Photography provided by Timberland Consultants(August 2019)
Camera: Canon EOS Rebel 2Ti, Fixed 50mm Lens

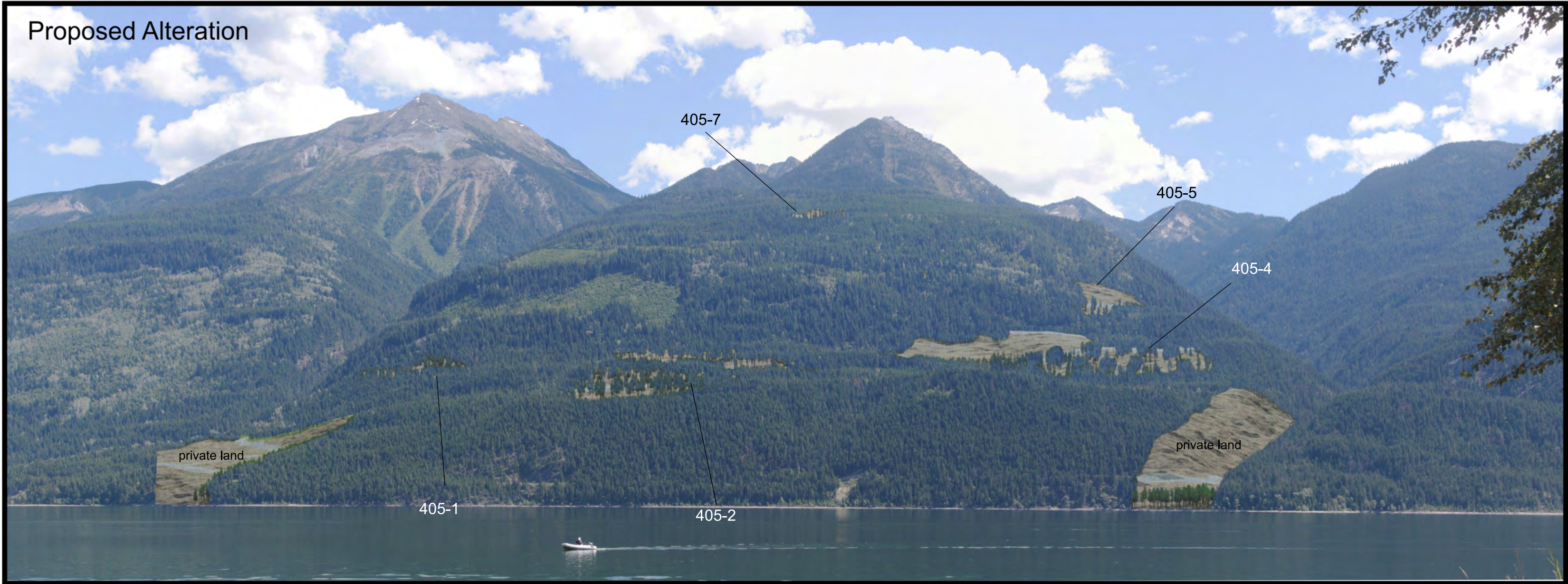


Viewpoint 2
Lost Ledge Campground

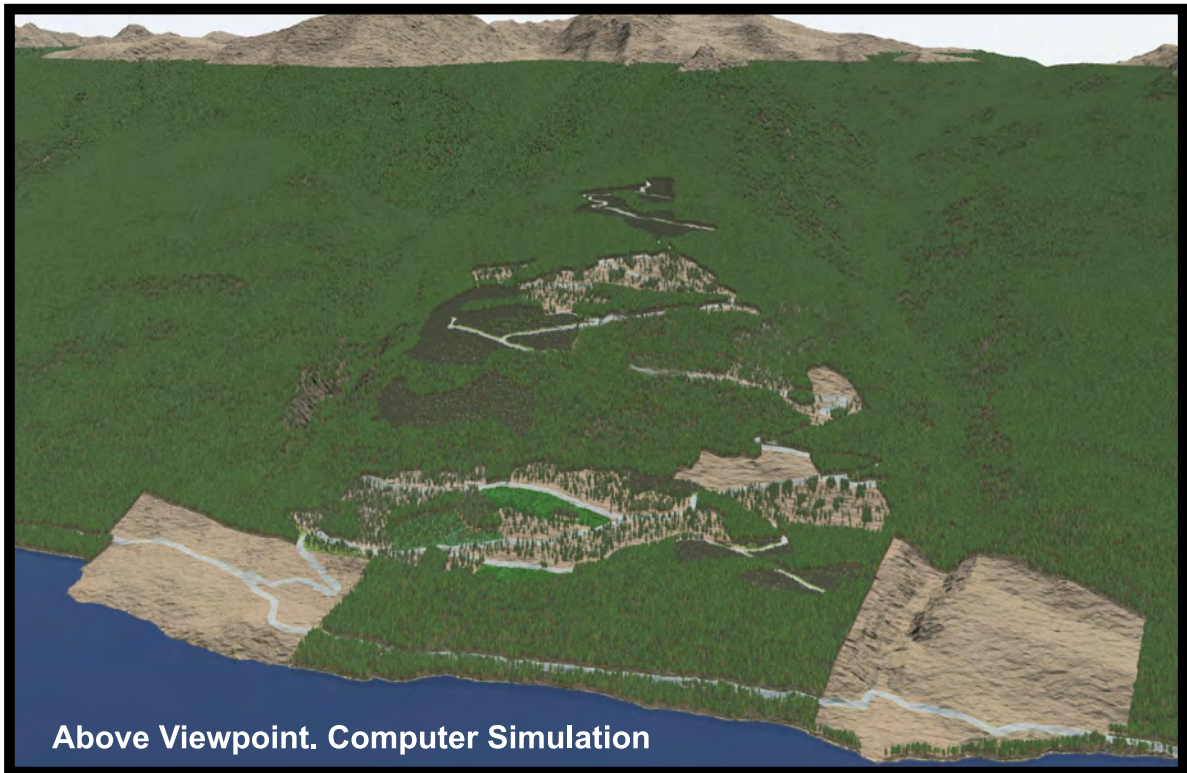


Existing Condition

Photography provided by Timberland Consultants(August 2019)
Camera: Canon EOS Rebel 2Ti, Fixed 50mm Lens

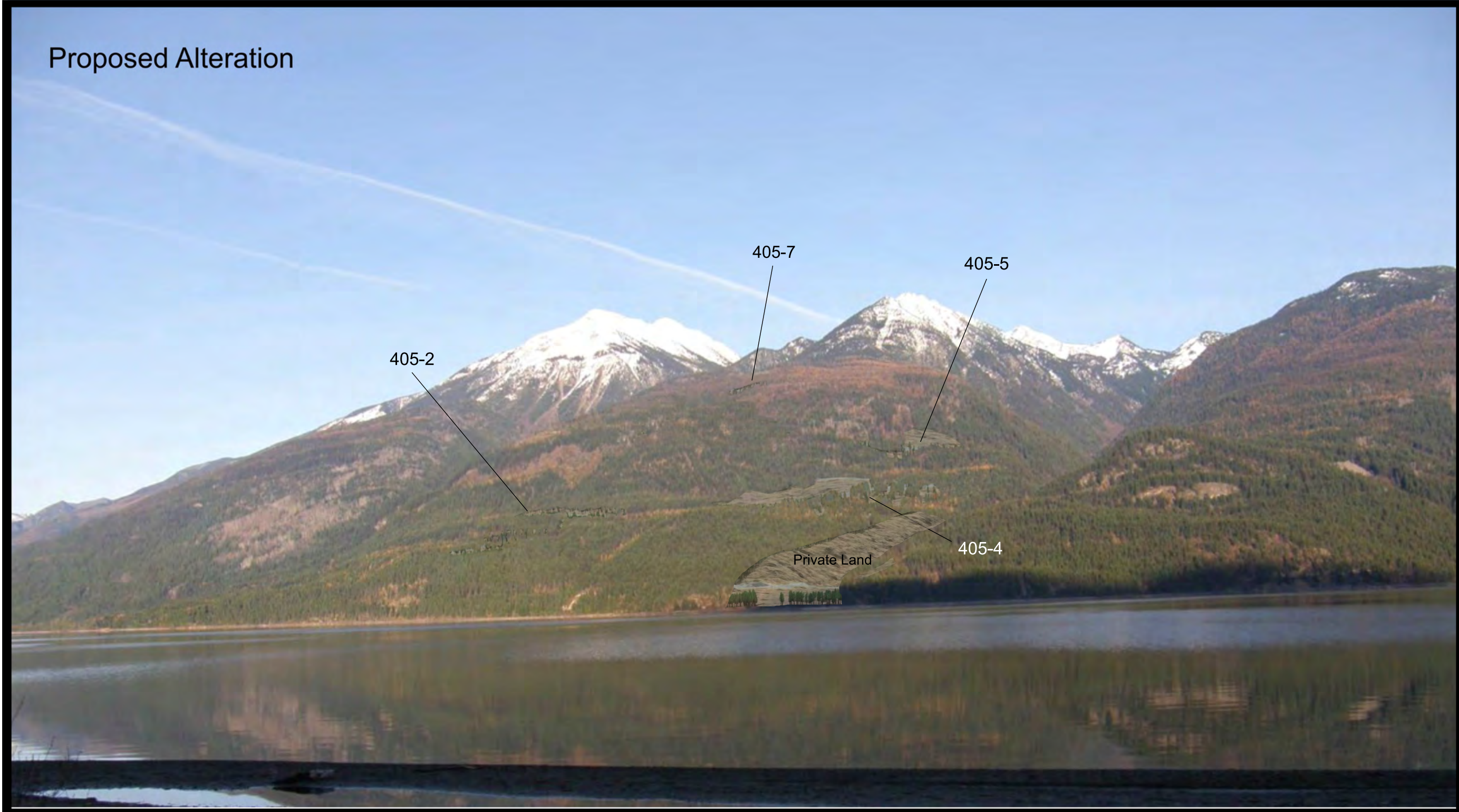
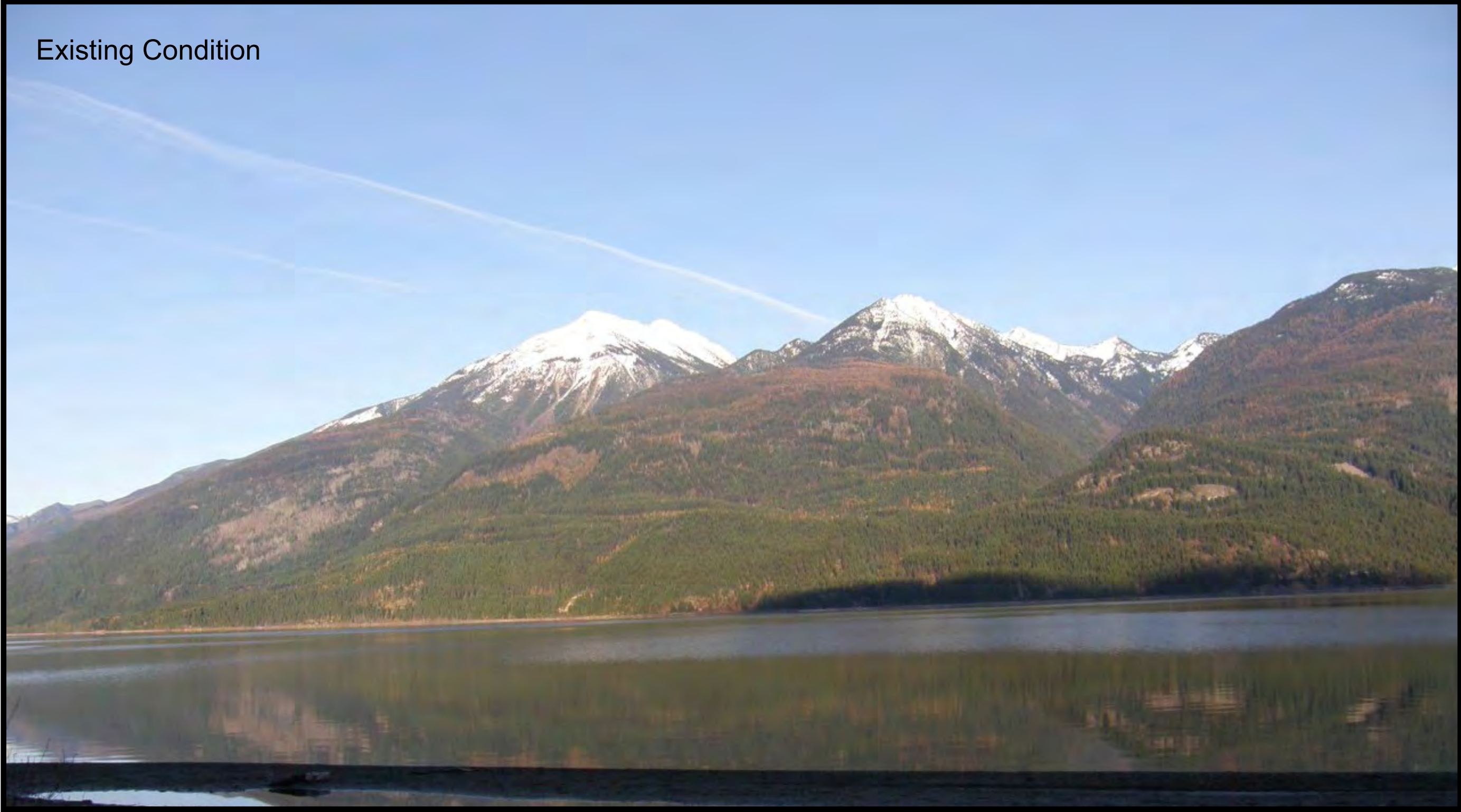


Proposed Alteration



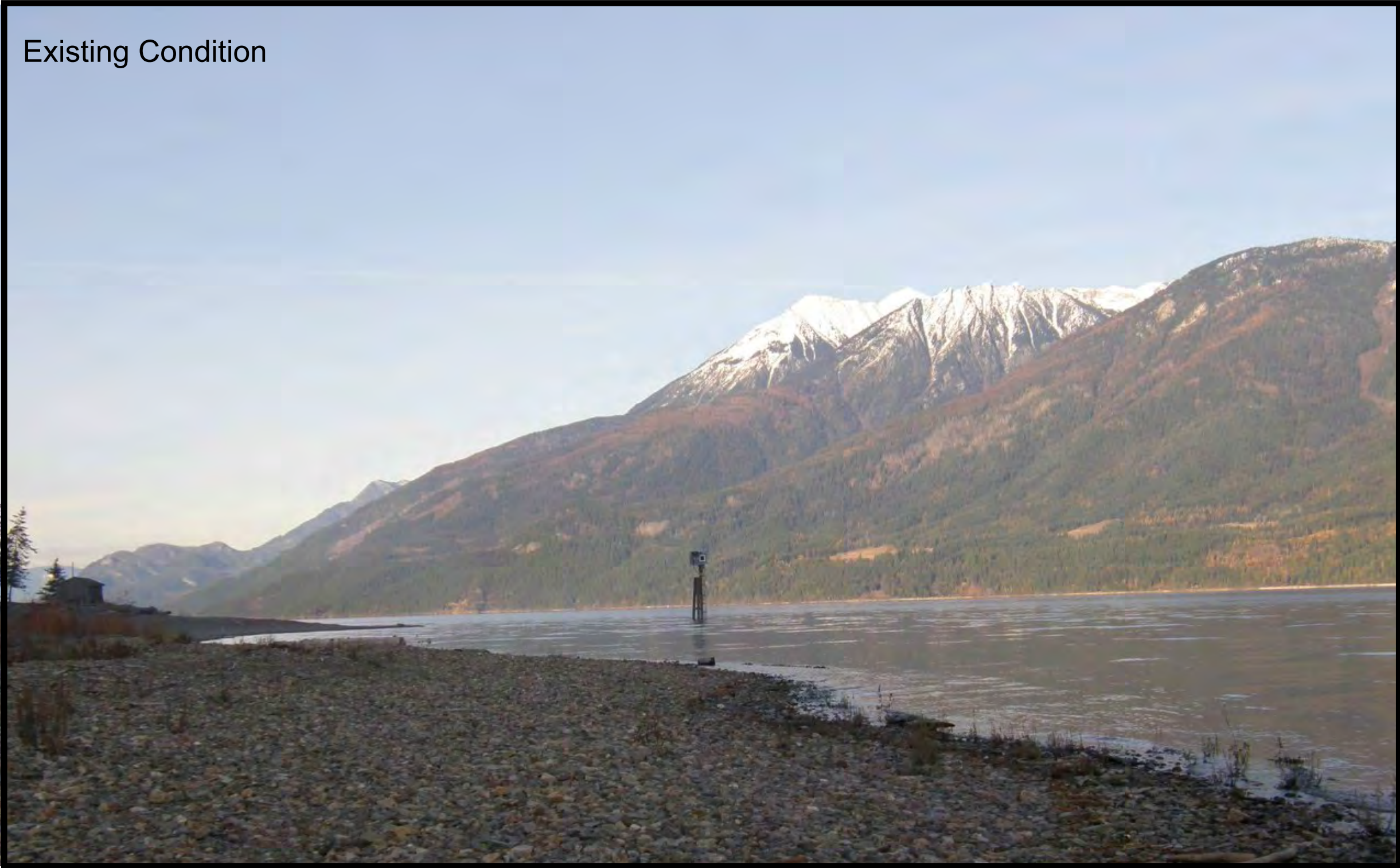
Above Viewpoint. Computer Simulation

Viewpoint 3
Marine Beach

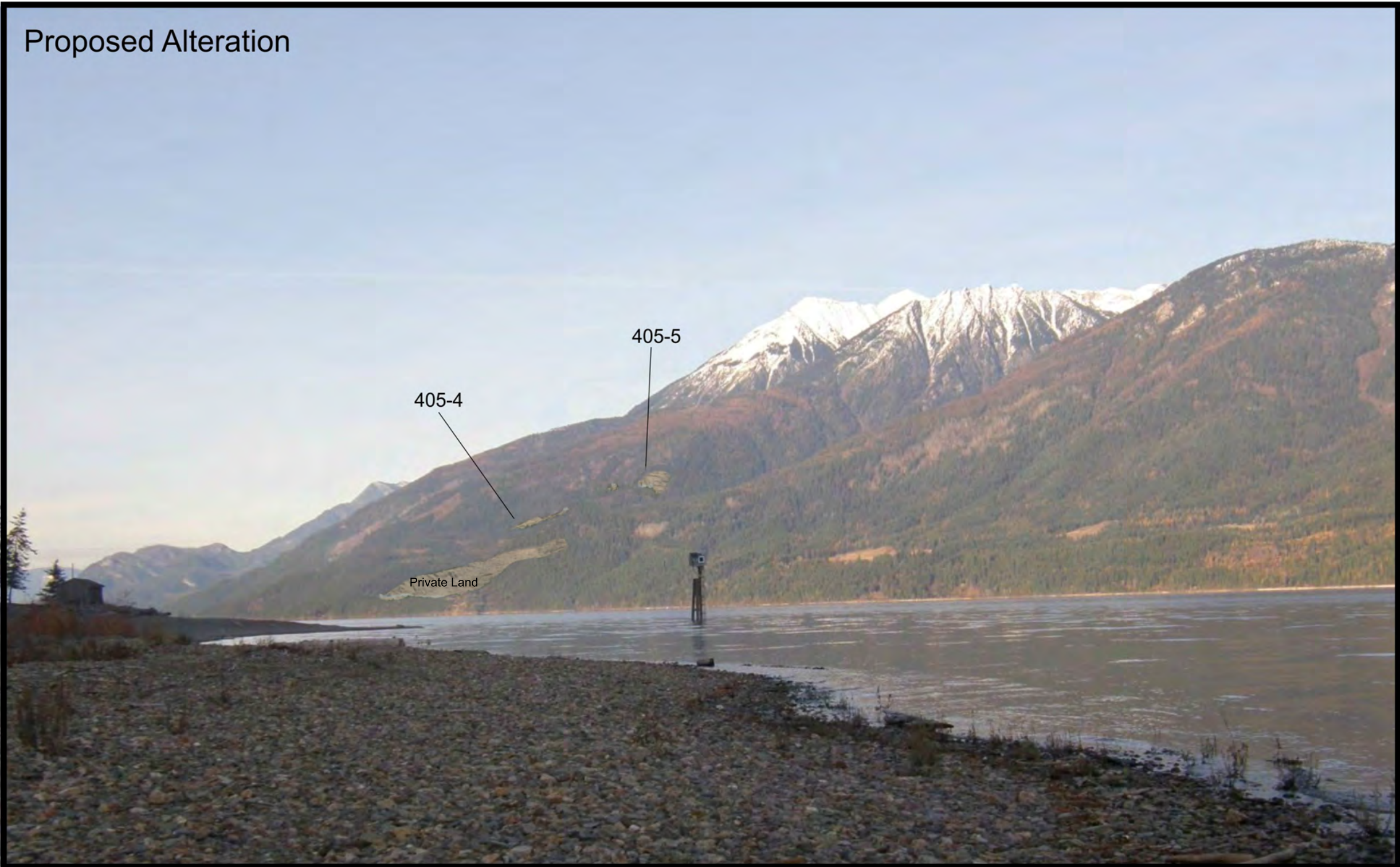


Viewpoint 4
Schroeder Creek

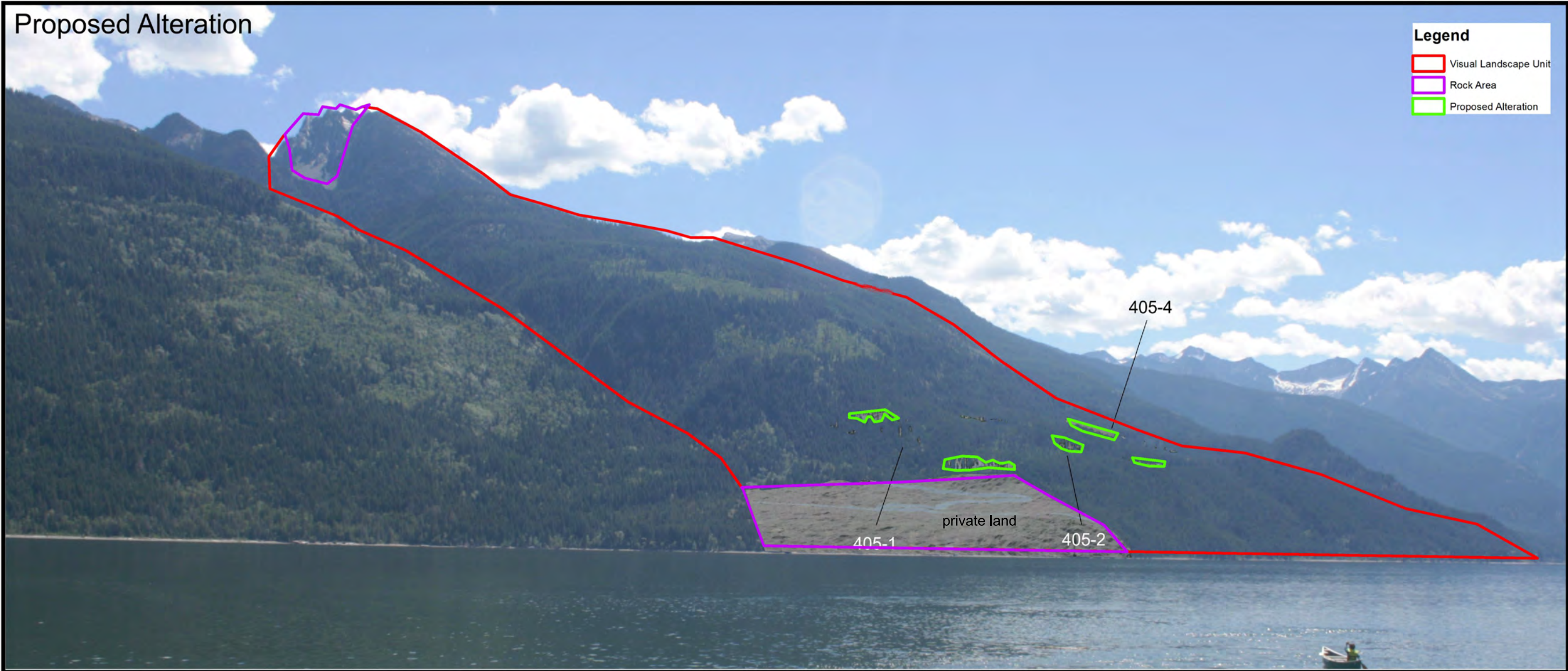
Existing Condition



Proposed Alteration

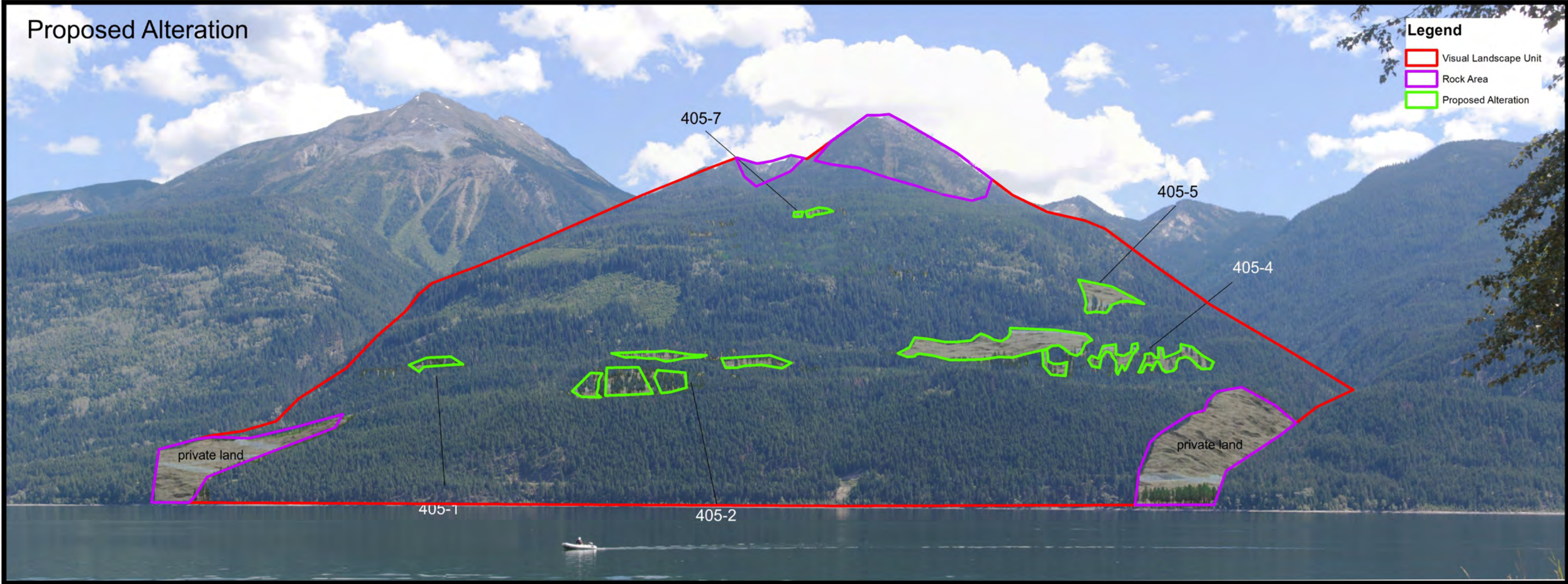


**Viewpoint 1
Davis Creek Campground**



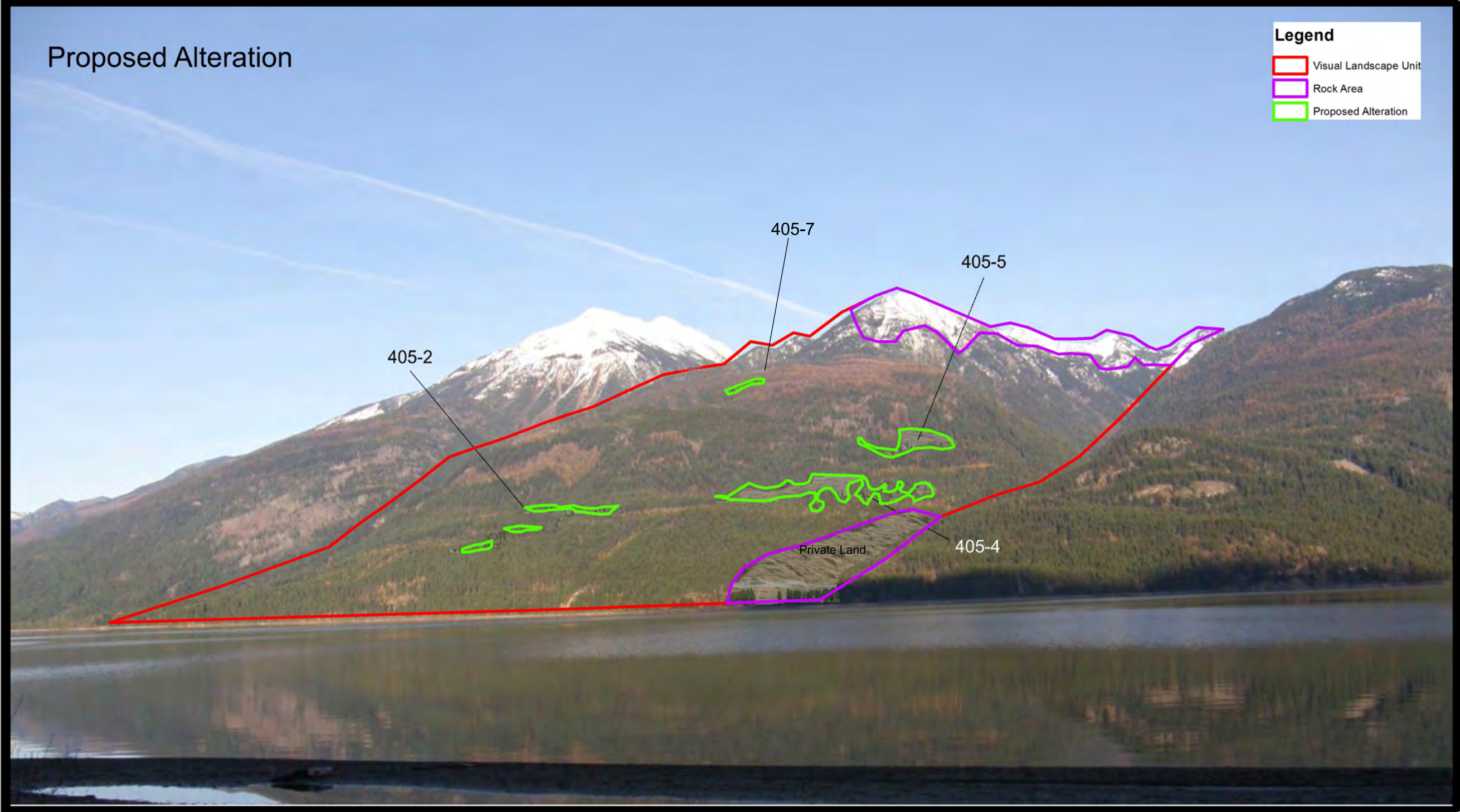
Visual Landscape Unit (VLU): 168 cm²
 Rock/Private Land: 24 cm²
 Net VLU: 144.0 cm²
 Proposed Development: 1.9 cm²
 %Alteration: 1.3% (Retention)

**Viewpoint 2
Lost Ledge Campground**



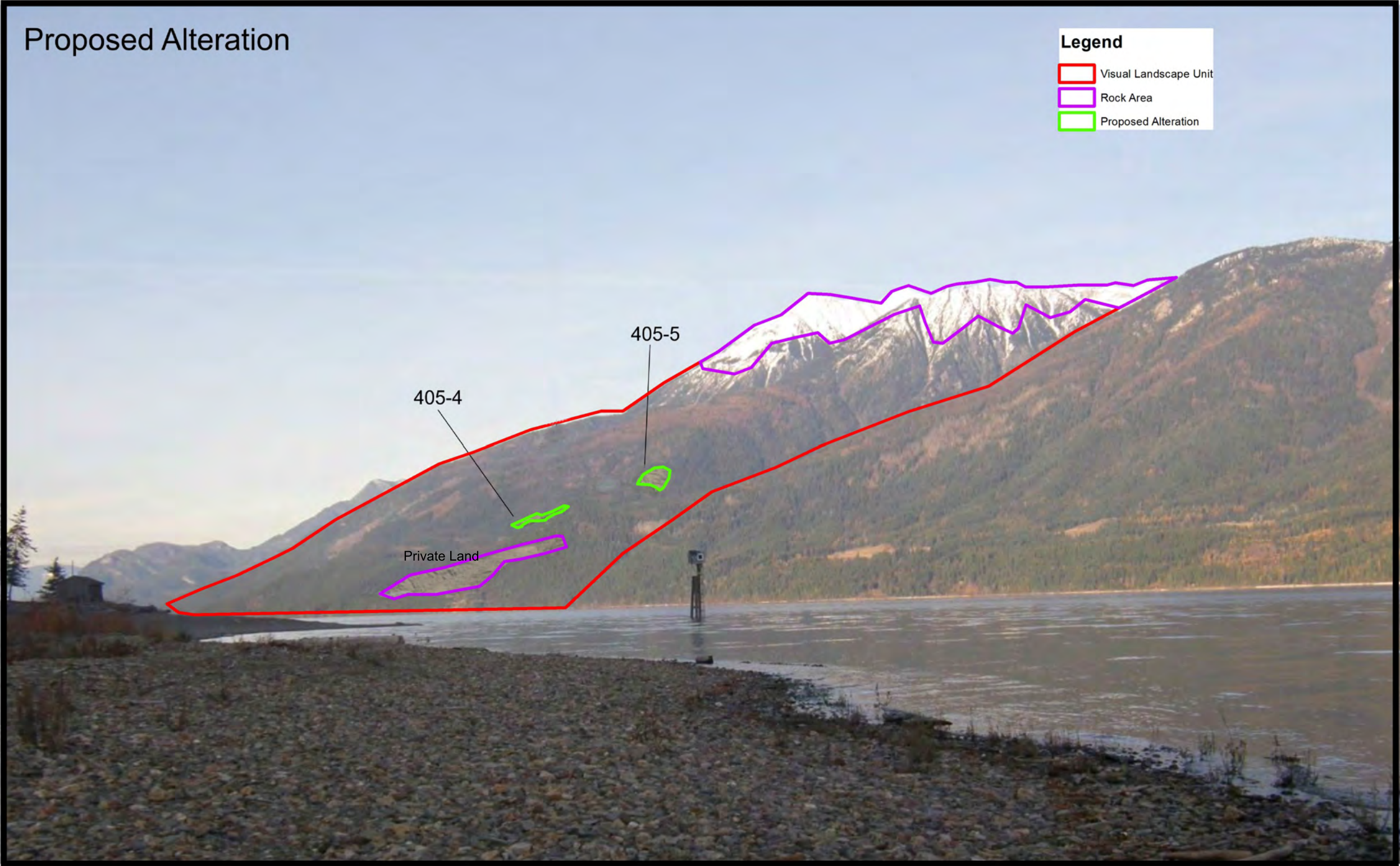
Visual Landscape Unit (VLU): 303cm²
 Rock/Private Land: 27 cm²
 Net VLU: 276 cm²
 Proposed Development: 10.7 cm²
 %Alteration: 3.9% (Partial Retention)

**Viewpoint 3
Marine Beach**



Visual Landscape Unit (VLU): 143cm²
 Rock/Private Land: 15.0 cm²
 Net VLU: 128 cm²
 Proposed Development: 4.4 cm²
 %Alteration: 3.4% (Partial Retention)

**Viewpoint 4
Schroeder Creek**



Visual Landscape Unit (VLU): 81.4cm²
 Rock/Private Land: 13.0 cm²
 Net VLU: 68.3 cm²
 Proposed Development: 0.5 cm²
 %Alteration: 0.7% (Retention)

Cooper Creek Cedar

VIA Overview Map

CP 405

1:40,000

