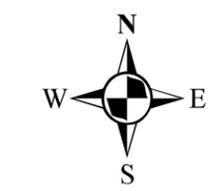


**Lower Harbour Lake  
2021-2022 Visual Assessment  
(Initial Projections)  
January, 2022  
RDI Resource Design Inc**

- Dec\_14,\_2021\_Proposed\_Cutblocks
- Dec\_14,\_2021\_Existing\_Cutblocks
- ExistingFromGoogleE
- Lower\_Harbour\_VPs
- Contours
- Harbour\_VQO
- Harbour\_Lakes
- Harbour\_Lakes\_Feat
- Dec\_14,\_2021\_Roads
- TrimTrans1718
- Dec\_14,\_2021\_Existing\_Cutblocks
- Old\_Growth\_Management\_Area\_(legal)
- A71702\_A83305\_BlockShape
- Harbour1718main
- 160316leaverdi
- A93198\_reserves
- SB8DD-151205RDI
- SB8D1-151205RDI
- RDI\_Clearwater\_2014\_WTRA

Initial Projections Only



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2	Contents
3	Summary Report
4	Lake Viewpoints Simulations
5	Lake Viewpoints Percent Alterations
6	Upper Road Simulation

RDI received a data transmission and go-ahead on December 14, 2021 from Ches Clem. The proposed and existing cutblocks were added to existing models produced by RDI for the earlier Upper Harbour-Dudgeon project. The proposed cutblocks are to be located primarily within VSU 992 which has an established Visual Quality Objective of Partial Retention (PR). Partial Retention alteration is defined as “easy to see, small to medium in scale, and natural and not rectilinear or geometric in shape, with an allowance of 1.6% to 7% of ground visible in perspective view. Rectilinear means a shape formed from straight lines and right angles.

The VSU divides quite naturally into two landforms. Landform 1 is the main landform containing SBAF8 and SB\_2022\_01. Landform 2 on the north (right) side of L1 contains existing openings SB8DD and SB8D1 assessed by RDI in 2017. The VSU continues around the lake, and although it contains SB\_2022\_02 in the south end of the VSU, that proposed cutblock is not seen from the viewpoints (NVS).

Percent alteration exceeds the upper limit for Partial Retention from all viewpoints as summarized in the table opposite and on the percent alteration sheet. SB\_2022\_01 is obviously rectangular (i.e, both rectilinear and geometric in shape). SBAF8 is horizontally elongated above the OGMA, and extends across half of the predominant landform (Landform 1). Although the plan view displays significant undulation along the lower boundary of SBAF8, the perspective views from the lake show it a having a more straighter line without much variation or breaks, causing it to appear mainly rectilinear from the viewpoints.

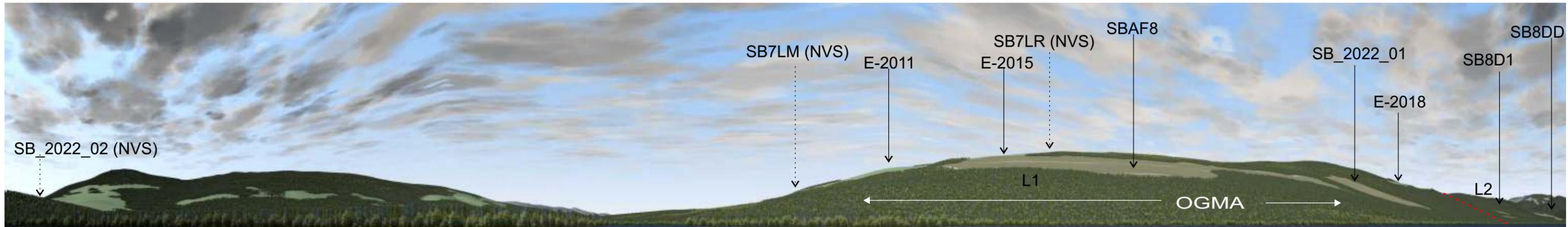
Both cutblocks require major design improvement, such as scale reduction, breaking up the expansive width of SBAF8, and modifying the angularity of SB\_2022\_01 with WTRA's and boundary undulation.



KB Fairhurst, PhD, RPF  
 RDI Resource Design Inc  
 January 14, 2022

Lower Harbour 2021-2022 Cutblock Visibility				
Cutblocks	Viewpoints			
	LH North	LH Middle	LH South	LH Upper Road
SB_2022_01	V	V	V	V
SBAF8	V	V	V	V
SB7LM	NVS	NVS	NVS	V (SLIVER)
SB7LR	NVS	NVS	NVS	NVS
SB_2022_02	NVS	NVS	NVS	NVS

Lower Harbour 2022 Percent Alteration Summary	
Lake Viewpoint	% Alt
North Viewpoint	9.46%
Middle Viewpoint	11.64%
South Viewpoint	10.79%



Lower Harbour Lake South Viewpoint



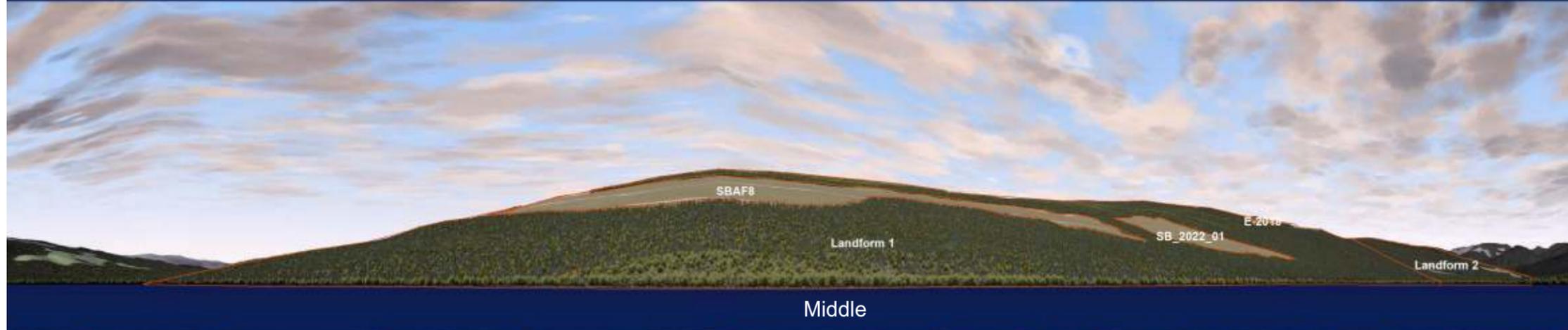
Lower Harbour Lake Middle Viewpoint



Lower Harbour Lake North Viewpoint



Percent Alteration Lower Harbour South Viewpoint		
NAME	AREA2	% Alt
<b>Landform 1</b>	409756.91	
E-2011	2467.12	0.60%
SBAF8	36249.84	8.85%
SB_2022_01	4723.17	1.15%
E-2015	490.82	0.12%
E-2018	301.06	0.07%
<b>Sum Alt L1 - South</b>	44232.01	<b>10.79%</b>

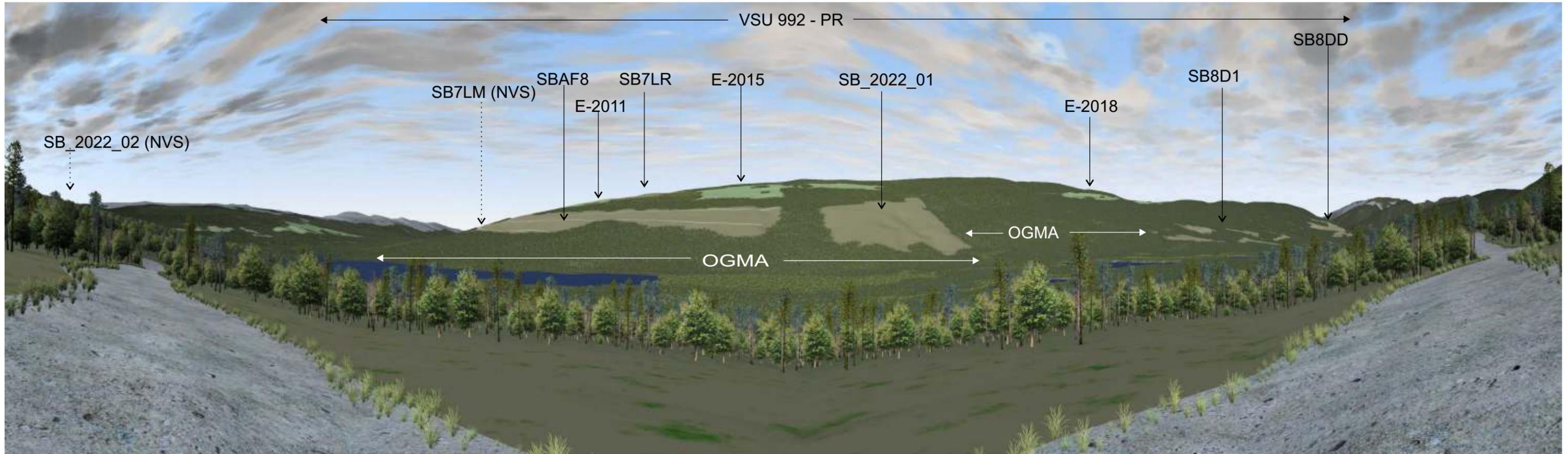


Percent Alteration Lower Harbour - Middle Viewpoint		
NAME	AREA2	% Alt
<b>Landform 1</b>	550609.94	
SBAF8	52864.99	9.60%
SB_2022_01	10731.11	1.95%
E-2018	486.71	0.09%
<b>Sum Alt</b>	64082.80	<b>11.64%</b>



Percent Alteration Lower Harbour North Viewpoint		
NAME	AREA2	% Alt
<b>Landform 1</b>	674417.93	
SBAF8	40009.78	5.93%
SB_2022_01	23360.14	3.46%
E-2018	460.76	0.07%
<b>Sum Alt</b>	63830.68	<b>9.46%</b>

Lower Harbour 2022 Percent Alteration Summary	
Lake Viewpoint	% Alt
North Viewpoint	<b>9.46%</b>
Middle Viewpoint	<b>11.64%</b>
South Viewpoint	<b>10.79%</b>



Viewpoint area cleared for demonstration