

**Preliminary Integrated Visual Design Analysis of BCTS Barriere Ridge Blocks
 Conducted by RDI Resource Design Inc. Submitted March 27, 2024**

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Contents

Bradley White, Planning Forester, BCTS Kamloops Business Area, Thompson Okanagan Region, Ministry of Forests, requested on March 16, 2024 that RDI conduct an Integrated Visual Design (IVD) encompassing the 41 cutblocks in the Barriere Ridge area. The cutblocks were previously addressed by RDI in a VIA submitted on March 16, 2024. The plan has 3 components as shown below, and further explained in the table (opposite).

Op plan #1 - Consists of blobs BA_2021_156 and BA_2021_161;

Op plan #5 - Consists of BA_2020_16, BA_2020_17, BA_2020_18, BA_2020_33, BA_2020_34;

Op Plan #3 - Consists of BA_2020_26, BA_2020_27, BA_2020_29, BA_2020_30, BA_2020_28.

Guidance in the preparation of IVDs is provided in the following document:

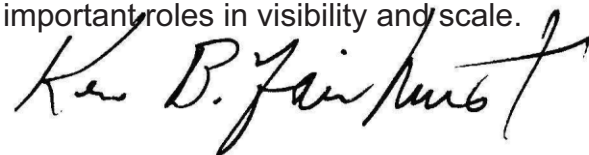
https://www2.gov.bc.ca/assets/gov/farming-natural-resources-and-industry/forestry/visual-resource-mgmt/vrm_fia-standards-integrated-visual-design.pdf. An important precursor is the Visual Landscape Design Training Manual - https://www2.gov.bc.ca/assets/gov/farming-natural-resources-and-industry/forestry/visual-resource-mgmt/training-vrm/vrm_visual_landscape_design_training_manual_complete.pdf.

A typical IVD addresses operability, visual force analysis, land feature analysis, and opportunities and constraints analysis. As RDI was presented with a cutblock and “blob” array, it was assumed that operability and constraints were already considered. As such, this IVD forewent the preliminaries, assessed the scale of cutblocks, and sub-divided those that were readily apparent as incapable of meeting the Retention VQO (0% - 1.5% in perspective view). This abridged IVD process was further necessitated by the approaching year-end for the contract. Additional work will continue in the next contract year under a new contract.

The viewpoints were rendered using Visual Nature Studio to indicate block visibility in perspective view. Forest heights were rendered according the Vegetation Resources Inventory using Stand_Height as the driver. This report provides the results of visual simulations produced from 4 viewpoints on East Barriere Lake and 3 on North Barriere Lake. Each viewpoint is presented on a separate page in this report, followed by a page with percent alteration calculation for that viewpoint, with each block component outlined and labelled. Of the 41 cutblocks: all are located either within Retention VQO polygons or in the adjacent non-visually sensitive area (NVS), 19 are within the East Barriere Lake Viewshed with Retention VQO, 1 is within the North Barriere Lake viewshed with Retention VQO, and 1 is in a NVS area close to VSU 319. As well, 17 are non-visually sensitive (NVS), located generally along the broad ridge between the east and north viewsheds, and one of which is in VSU 1827 but NVS (BA_2020_30). The NVS blocks are listed on page 4 but were not further analysed.

Only the East Lake visuals were given the additional IVD treatment of breaking the larger cutblocks into smaller units more capable of meeting the restrictive VQO of Retention. Each unit was coloured and numbered individually and distinctively in VNS to differentiate each, and assist in identification in the rendered views. Preview renderings allowed precise identification of each unit, indicating unit name and location on the planimetric view. Planimetric area and perspective percent alteration of the landform(s) were tracked and summarized on pages 4 and 5 respectively, as well as on each viewpoint page.

The path forward will include trials for each pass achieving the Retention VQO. This report will serve as detailed indicators of each sub-unit’s capability to meet the VQO, bearing in mind that selection and deferral will bring some units into more or less prominence with intervening screening or in-block leave trees playing important roles in visibility and scale.



Kenneth B. Fairhurst, PhD, RPF
RDI Resource Design Inc
March 27, 2024

2025-Q4	2026-Q3		3	TA1794	10,000	Barriere
2026-Q1		2026-Q1	1	TA1615	FSR 0562.33	Barriere
2025-Q4	2026-Q1		3	A95242	23,362	Barriere
2026-Q1		2026-Q1	1	TA0060	FSR 0562.32	Barriere
2026-Q2	2026-Q2		3	A94115	8,925	Barriere
2026-Q1		2026-Q1	1	TA0060	FSR 4.5km	Barriere
2026-Q2	2027-Q1		3	A94895	27,735	Barriere
2026-Q4	2026-Q4		3	TA1615	19,300	Barriere
2027-Q1	2027-Q1		3	TA1793	15,000	Barriere
2027-Q1	2027-Q1		3	TA0060	20,000	Barriere
2027-Q1	2027-Q1		3	TA1795	15,590	Barriere
2027-Q1	2029-Q1			OpPlan#1	10,000	Barriere
2027-Q3	2027-Q3			OpPlan#5	25,000	Barriere
2030-Q1	2030-Q1			TA1722	15,000	Barriere
2030-Q2	2030-Q2			OpPlan#3	50,000	Barriere

Table provided by Brad White

Visually Sensitive Blocks		
LICENCE_ID	BLOCK_ID	GROSS_AREA
A94895	BA_2020_02-1	5.80
A94895	BA_2020_02-2	3.92
A94895	BA_2020_02-3	3.18
A94895	BA_2020_02-4	2.56
A94895	BA_2020_02-5	2.78
A94895	BA_2020_03	4.50
A94895	BA_2020_04	4.66
A94895	BA_2020_05-1	7.44
A94895	BA_2020_05-2	9.39
A94895	BA_2020_06-1	9.71
A94895	BA_2020_06-2	6.64
A94895	BA_2020_07-1	4.43
A94895	BA_2020_07-2	2.40
A94895	BA_2020_07-3	7.89
A94895	BA_2020_07-4	11.94
A94895	BA_2020_07-5	9.44
A94895	BA_2020_07-6	9.66
A94895	BA_2020_09	5.52
!KamloopsPlans	BA_2020_26	4.98
!KamloopsPlans	BA_2020_27	27.84
TA1794	BA_2021_05	21.15
TA1794	BA_2021_75-1	8.87
TA1794	BA_2021_75-2	8.02
TA1794	BA_2021_75-3	5.61
TA1794	BA_2021_75-4	6.01
TA1794	BA_2021_77	16.90
TA1794	BA_2021_78-1	4.94
TA1794	BA_2021_78-2	3.61
TA1794	BA_2021_86	6.16
A94115	BA8XH_VIZ1	35.16
A94115	BA8XH_VIZ2	6.71
A94115	BA8XJ_VIS	68.89
TA1722	BA99D-1	22.21
TA1722	BA99D-2	19.74
TA1722	BA99E-1	2.67
TA1722	BA99E-2	3.87
TA1722	BA99E-3	3.16
TA1722	BA99E-4	1.88
TA1722	BA99E-5	3.92
TA1722	BA99E-6	5.06
TA1722	BA99E-7	4.92
TA1722	BA99F-1	20.31
TA1722	BA99F-2	20.77
A94895	BA99G-1	7.16
A94895	BA99G-2	5.04
A95242	BAA28	36.93
Sum Area Vis		494.34

BA_2021_05 exploded →

LICENCE_ID	BLOCK_ID	GROSS_AREA
TA1794	BA_2021_05-1	5.55
TA1794	BA_2021_05-2	4.74
TA1794	BA_2021_05-3	3.96
TA1794	BA_2021_05-4	5.35
TA1794	BA_2021_05-5	1.54

Total 50 IVD vis units

Size ranging from 1.54 ha (original BA_2021_05-5) to 68.89 ha (BA8XL_VIS)
 BA_2021_05 units already separate
 BA8XH & BA8XJ in Landform 2 split vis and non-vis

Non-VIS Blocks	
BLOCK_ID	GROSS_AREA(HA)
BA_2020_16	26.87
BA_2020_17a	14.39
BA_2020_18	14.65
BA_2020_28	29.23
BA_2020_29	18.40
BA_2020_30	4.29
BA_2020_33	25.16
BA_2020_34a	14.99
BA_2021_02	12.00
BA_2021_03	43.96
BA_2021_04	35.75
BA_2021_156	14.36
BA_2021_161	11.27
BA9TG	7.29
BA9TH	42.60
BA9TJ	12.06
BAA26	29.50
BAA69	24.50
BAA6G	32.40
BAAUP	61.40
BA8XH_NVIS	47.14
BA88XJ_NVIS1	44.75
Sum Area Non-Vis	566.97

East Lake RDI-1 Viewpoint

Landform Percent Alteration from East Barriere Lake		
NAME	AREA_Pers	%Alt
Landform	856726.15	
BA_2020_02-1	3584.65	0.42%
BA_2020_02-2	10147.79	1.18%
BA_2020_02-3	8109.24	0.95%
BA_2020_02-4	5140.87	0.60%
BA_2020_02-5a	4960.37	0.58%
BA_2020_02-5b	715.73	0.08%
BA_2020_03a	1572.58	0.18%
BA_2020_03b	2557.97	0.30%
BA_2020_05-1a	1136.56	0.13%
BA_2020_05-1b	665.69	0.08%
BA_2020_05-2	6486.93	0.76%
BA_2020_06-1	7240.23	0.85%
BA_2020_06-2	7214.30	0.84%
BA_2020_07-1	8675.84	1.01%
BA_2020_07-2	1827.19	0.21%
BA_2020_07-3	5059.59	0.59%
BA_2020_07-4	8483.78	0.99%
BA_2020_07-5	10687.30	1.25%
BA_2020_07-6	10699.83	1.25%
BA_2020_09	3144.49	0.37%
BA_2020_78-1	1310.32	0.15%
BA_2020_78-2	838.95	0.10%
BA_2021_05-2	126.24	0.01%
BA_2021_05-3	8.68	0.00%
BA_2021_05-4a	60.60	0.01%
BA_2021_05-4b	81.16	0.01%
BA_2021_05-5	36.78	0.00%
BA_2021_75-1a	233.08	0.03%
BA_2021_75-1b	687.50	0.08%
BA_2021_75-2	1574.96	0.18%
BA_2021_75-3	840.59	0.10%
BA_2021_75-4	703.66	0.08%
BA_2021_77	1381.72	0.16%
BA_2021_86	215.48	0.03%
BA99D-1	907.66	0.11%
BA99D-2a	767.02	0.09%
BA99D-2b	73.60	0.01%
BA99E-1	21.02	0.00%
BA99E-2	157.47	0.02%
BA99E-3	41.42	0.00%
BA99E-4	73.02	0.01%
BA99E-5	70.54	0.01%
BA99E-6	464.33	0.05%
BA99E-7	113.37	0.01%
BA99F	1082.45	0.13%
BA99G-1	8124.67	0.95%
BA99G-2	7385.18	0.86%
Sum Alt Landform	135492.41	15.82%
Sum Alt Yellow		13.02%
Sum Alt Orange		2.85%

East Lake Houses 3 Viewpoint

Percent Alteration East Barriere from East 3 Viewpoint		
NAME	AREA_Pers	%Alt
Landform 1	675257.18	
BA_2020_02-1	331.87	0.05%
BA_2020_02-2	157.59	0.02%
BA_2020_02-3	65.98	0.01%
BA_2020_02-4	201.74	0.03%
BA_2020_03	87.72	0.01%
BA_2020_04	1004.99	0.15%
BA_2020_05	749.69	0.11%
BA_2020_06-2	50.60	0.01%
BA_2020_07-1	224.50	0.03%
BA_2020_07-2	174.92	0.03%
BA_2020_07-3	184.69	0.03%
BA_2020_07-4	793.62	0.12%
BA_2020_07-5	269.59	0.04%
BA_2020_07-6	852.61	0.13%
BA_2020_09	426.75	0.06%
BA_2020_27-a	661.57	0.10%
BA_2020_27-b	170.53	0.03%
BA_2020_27-c	66.53	0.01%
BA_2020_30-a	18.98	0.00%
BA_2020_30-b	18.35	0.00%
BA_2021_05-2	165.21	0.02%
BA_2021_05-3	308.58	0.05%
BA_2021_05-4	643.20	0.10%
BA_2021_05-5	13.86	0.00%
BA_2021_75-1a	2467.43	0.37%
BA_2021_75-2	3747.31	0.55%
BA_2021_75-3	2306.42	0.34%
BA_2021_75-4	2326.48	0.34%
BA_2021_77-a	1839.16	0.27%
BA_2021_77-b	83.45	0.01%
BA_2021_78-1a	2827.65	0.42%
BA_2021_78-1b	163.81	0.02%
BA_2021_78-2	2520.99	0.37%
BA_2021_86	39.20	0.01%
BA99D-1	1894.57	0.28%
BA99D-2a	1223.00	0.18%
BA99D-2b	147.77	0.02%
BA99E-1	287.56	0.04%
BA99E-2	397.34	0.06%
BA99E-3	58.98	0.01%
BA99E-4	110.74	0.02%
BA99E-5a	75.56	0.01%
BA99E-5b	69.04	0.01%
BA99E-6	792.87	0.12%
BA99E-7	290.98	0.04%
BA99F-1	3303.43	0.49%
BA99F-2	5549.77	0.82%
BA99G-1	228.74	0.03%
BA99G-2	313.37	0.05%
Sum Alt L1	40709.29	6.03%
Landform 2	42242.97	
BA8X+1	179.35	0.42%
BA8X+2	144.07	0.34%
Sum Alt L2	323.42	0.77%

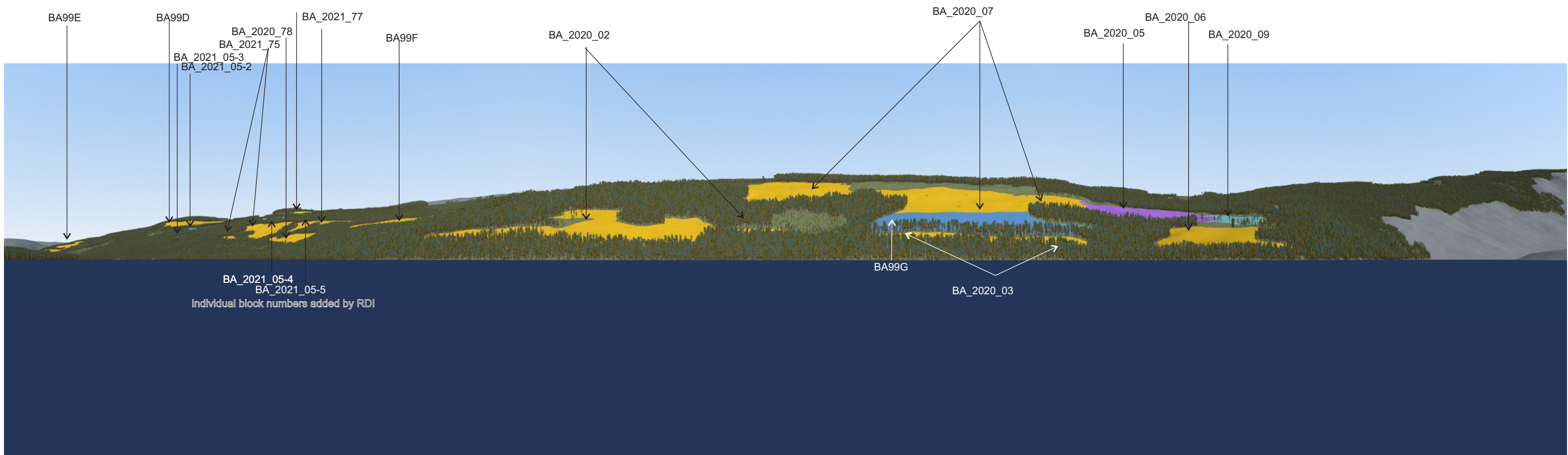
East Lake Houses 2 Viewpoint

Percent Alteration Barriere East from East 2 Viewpoint		
NAME	AREA_Pers	%Alt
Landform 1	700151.65	
BA_2020_02-1	38.94	0.01%
BA_2020_02-2	73.79	0.01%
BA_2020_02-3	23.83	0.00%
BA_2020_04	287.81	0.04%
BA_2020_05-1	53.97	0.01%
BA_2020_05-2	360.31	0.05%
BA_2020_05-4	20.01	0.00%
BA_2020_07-1	49.02	0.01%
BA_2020_07-2	99.09	0.01%
BA_2020_07-3	27.15	0.00%
BA_2020_07-4	242.55	0.03%
BA_2020_07-5	139.68	0.02%
BA_2020_07-6	276.27	0.04%
BA_2020_26	37.20	0.01%
BA_2020_26	40.85	0.01%
BA_2020_27	244.25	0.03%
BA_2020_6-1	410.66	0.06%
BA_2020_6-2	491.83	0.07%
BA_2020_78-1a	62.16	0.01%
BA_2020_78-1b	164.13	0.02%
BA_2020_78-2	493.14	0.07%
BA_2021_75-1a	419.76	0.06%
BA_2021_75-1b	65.33	0.01%
BA_2021_75-2a	607.53	0.09%
BA_2021_75-2b	144.62	0.02%
BA_2021_75-3	916.90	0.13%
BA_2021_75-4	1105.54	0.16%
BA_2021_77	299.45	0.04%
BA_2021-05-5	94.98	0.01%
BA-2020_09	464.87	0.07%
BA99D-1a	2354.48	0.34%
BA99D-1b	219.37	0.03%
BA99D-1c	68.83	0.01%
BA99D-2a	1423.21	0.20%
BA99D-2b	71.75	0.01%
BA99E-1	868.63	0.12%
BA99E-2	1402.42	0.20%
BA99E-3	487.99	0.07%
BA99E-4	631.43	0.09%
BA99E-5	750.93	0.11%
BA99E-6	2133.29	0.30%
BA99E-7	855.51	0.12%
BA99F-1	869.76	0.12%
BA99F-2	1803.76	0.26%
BA99G-1	116.49	0.02%
BA99G-2	92.04	0.01%
Sum Alt L1	21905.52	3.13%
Landform 2	34490.75	
BA8X+1-a	160.62	0.47%
BA8X+1-b	119.61	0.35%
BA8X+1-a	239.16	0.69%
BA8X+1-b	27.86	0.08%
Sum Alt L2	547.26	1.59%

East Lake Houses 1 Viewpoint

Percent Alteration East Barriere Lake VP East 1		
NAME	AREA_Pers	%Alt
Landform	722236.76	
BA_2020_06	135.60	0.02%
BA_2020_27	346.94	0.05%
BA_2021_05-2	73.56	0.01%
BA_2021_05-4	126.98	0.02%
BA_2021_75-1	146.74	0.02%
BA_2021_75-2	252.79	0.04%
BA_2021_75-2	49.92	0.01%
BA_2021_75-3	367.01	0.05%
BA_2021_75-4	652.29	0.09%
BA_2021_77	130.32	0.02%
BA_2021_78-1	264.56	0.04%
BA_2021_78-2	503.36	0.07%
BA99D-1a	4501.48	0.62%
BA99D-1b	56.78	0.01%
BA99D-1c	29.89	0.00%
BA99D-2	1700.61	0.24%
BA99E-1	3526.53	0.49%
BA99E-2	3992.96	0.55%
BA99E-3	2749.43	0.38%
BA99E-4	2692.37	0.37%
BA99E-5	3432.55	0.48%
BA99E-6	4657.44	0.64%
BA99E-7	2182.72	0.30%
BA99F-1	957.06	0.13%
BA99F-2	2251.32	0.31%
Sum Alt	35781.20	4.95%

IVD Unit Percent Alteration in Perspective View by Viewpoint



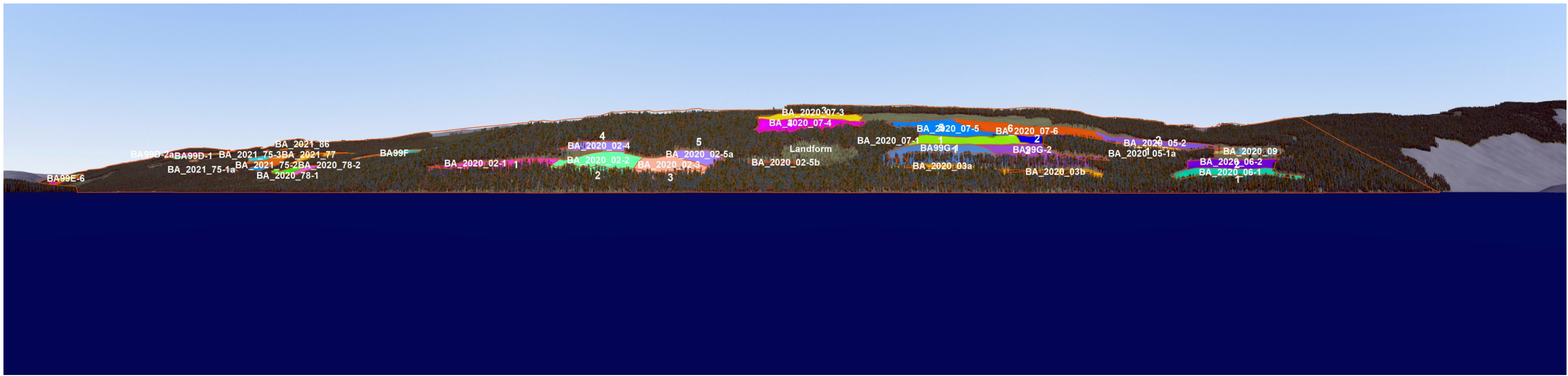
VNS Camera East RDI1 - 3 images @ 60 degrees field of view (30mm camera lens)

6480pixels wide



See next page for Percent Alteration



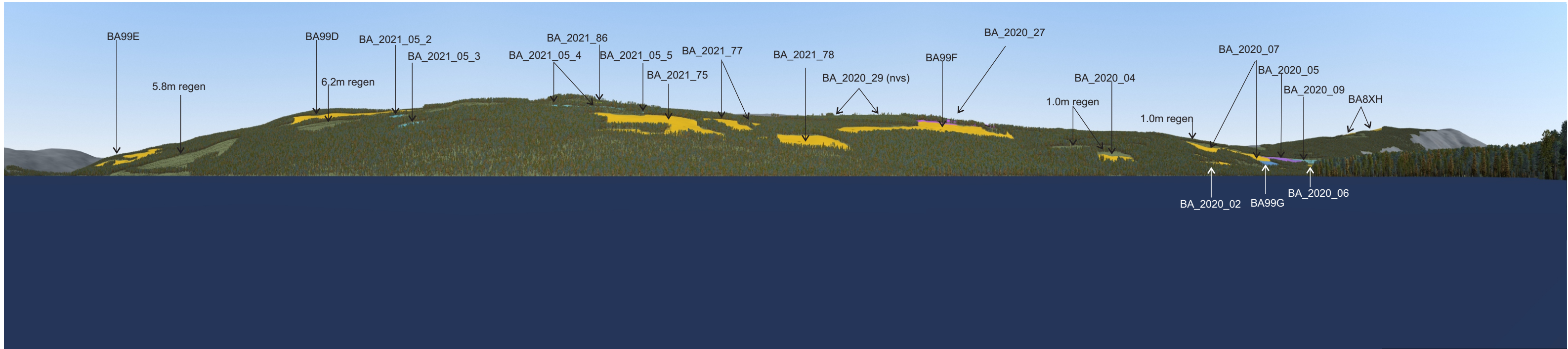
East Barriere Lake RDI 1 Viewpoint IVD



NAME	AREA Pers	%Alt
Landform	856726.15	
BA_2020_02-1	3584.65	0.42%
BA_2020_02-2	10147.79	1.18%
BA_2020_02-3	8109.24	0.95%
BA_2020_02-4	5140.87	0.60%
BA_2020_02-5a	4960.37	0.58%
BA_2020_02-5b	715.73	0.08%
BA_2020_03a	1572.58	0.18%
BA_2020_03b	2557.97	0.30%
BA_2020_05-1a	1136.56	0.13%
BA_2020_05-1b	665.69	0.08%
BA_2020_05-2	6486.93	0.76%
BA_2020_06-1	7240.23	0.85%
BA_2020_06-2	7214.30	0.84%
BA_2020_07-1	8675.84	1.01%
BA_2020_07-2	1827.19	0.21%
BA_2020_07-3	5059.59	0.59%
BA_2020_07-4	8483.78	0.99%
BA_2020_07-5	10687.30	1.25%
BA_2020_07-6	10699.83	1.25%
BA_2020_09	3144.49	0.37%
BA_2020_78-1	1310.32	0.15%
BA_2020_78-2	838.95	0.10%
BA_2021_05-2	126.24	0.01%
BA_2021_05-3	8.68	0.00%
BA_2021_05-4a	60.60	0.01%
BA_2021_05-4b	81.16	0.01%
BA_2021_05-5	36.78	0.00%
BA_2021_75-1a	233.08	0.03%
BA_2021_75-1b	687.50	0.08%
BA_2021_75-2	1574.96	0.18%
BA_2021_75-3	840.59	0.10%
BA_2021_75-4	703.66	0.08%
BA_2021_77	1381.72	0.16%
BA_2021_86	215.48	0.03%
BA99D-1	907.66	0.11%
BA99D-2a	767.02	0.09%
BA99D-2b	73.60	0.01%
BA99E-1	21.02	0.00%
BA99E-2	157.47	0.02%
BA99E-3	41.42	0.00%
BA99E-4	73.02	0.01%
BA99E-5	70.54	0.01%
BA99E-6	464.33	0.05%
BA99E-7	113.37	0.01%
BA99F	1082.45	0.13%
BA99G-1	8124.67	0.95%
BA99G-2	7385.18	0.86%
Sum Alt Landform	135492.41	15.82%
Sum Alt Yellow		13.02%
Sum Alt Orange		2.85%

 Percent Alteration > 0.60%
 Percent Alteration 0.30% to 0.60% > 0.60%

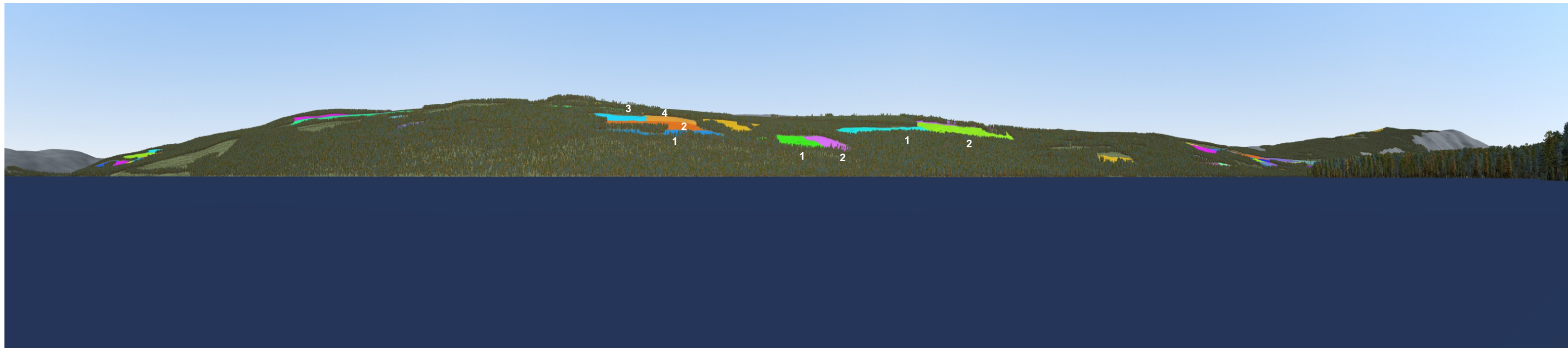
East Barriere Lake RDI 1 Viewpoint IVD Percent Alteration



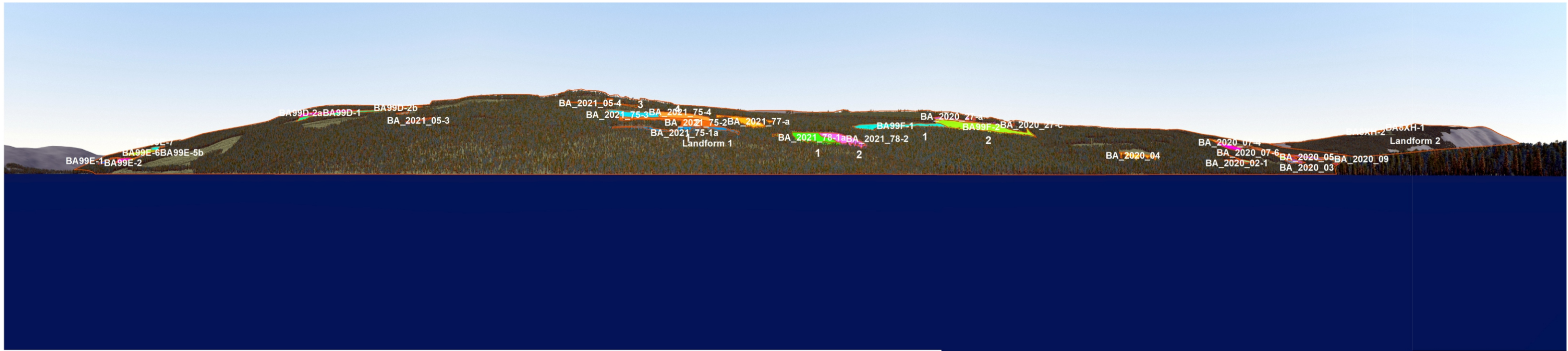
VNS Camera 3 images @ 60 degrees field of view (30mm camera lens)

6480pixels wide

See next page for Percent Alteration



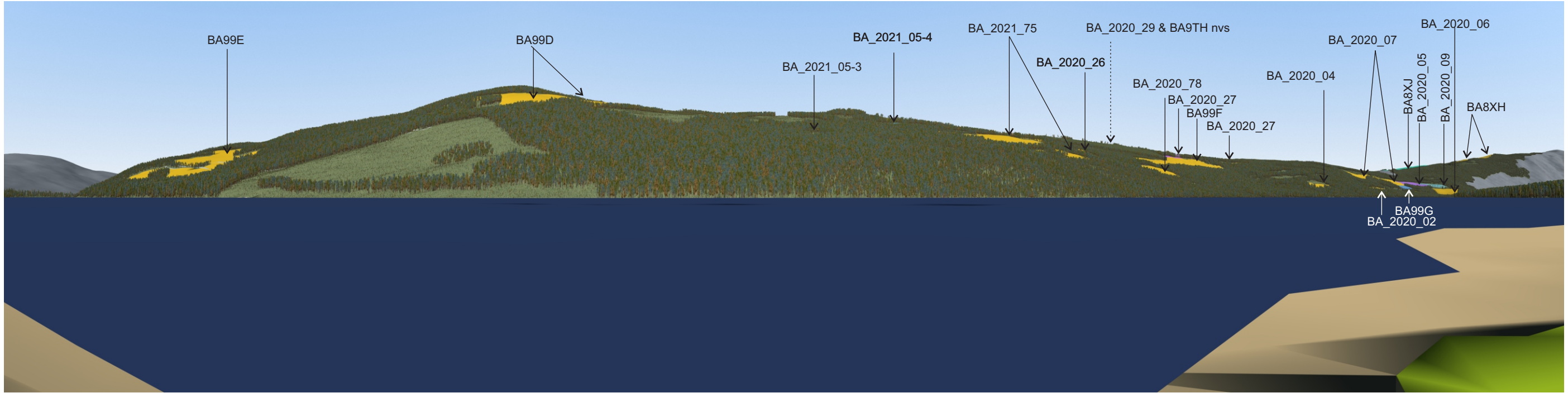
East Barriere Lake Homes 3 Viewpoint IVD



NAME	AREA Pers	% Alt
Landform 1	675257.18	
BA_2020_02-1	331.87	0.05%
BA_2020_02-2	157.59	0.02%
BA_2020_02-3	65.98	0.01%
BA_2020_02-4	201.74	0.03%
BA_2020_03	87.72	0.01%
BA_2020_04	1004.99	0.15%
BA_2020_05	749.69	0.11%
BA_2020_06-2	50.60	0.01%
BA_2020_07-1	224.50	0.03%
BA_2020_07-2	174.92	0.03%
BA_2020_07-3	184.69	0.03%
BA_2020_07-4	793.62	0.12%
BA_2020_07-5	269.59	0.04%
BA_2020_07-6	852.61	0.13%
BA_2020_09	426.75	0.06%
BA_2020_27-a	661.57	0.10%
BA_2020_27-b	170.53	0.03%
BA_2020_27-c	66.53	0.01%
BA_2020_30-a	18.98	0.00%
BA_2020_30-b	18.35	0.00%
BA_2021_05-2	165.21	0.02%
BA_2021_05-3	308.58	0.05%
BA_2021_05-4	643.20	0.10%
BA_2021_05-5	13.86	0.00%
BA_2021_75-1a	2467.43	0.37%
BA_2021_75-2	3747.31	0.55%
BA_2021_75-3	2306.42	0.34%
BA_2021_75-4	2326.48	0.34%
BA_2021_77-a	1839.16	0.27%
BA_2021_77-b	83.45	0.01%
BA_2021_78-1a	2827.65	0.42%
BA_2021_78-1b	163.81	0.02%
BA_2021_78-2	2520.99	0.37%
BA_2021_86	39.20	0.01%
BA99D-1	1894.57	0.28%
BA99D-2a	1223.00	0.18%
BA99D-2b	147.77	0.02%
BA99E-1	287.56	0.04%
BA99E-2	397.34	0.06%
BA99E-3	58.98	0.01%
BA99E-4	110.74	0.02%
BA99E-5a	75.56	0.01%
BA99E-5b	69.04	0.01%
BA99E-6	792.87	0.12%
BA99E-7	290.98	0.04%
BA99F-1	3303.43	0.49%
BA99F-2	5549.77	0.82%
BA99G-1	228.74	0.03%
BA99G-2	313.37	0.05%
Sum Alt L1	40709.29	6.03%
Landform 2	42242.97	
BA8XH-1	179.35	0.42%
BA8XH-2	144.07	0.34%
Sum Alt L2	323.42	0.77%

- Percent Alteration > 0.60%
- Percent Alteration 0.28% to 0.60%

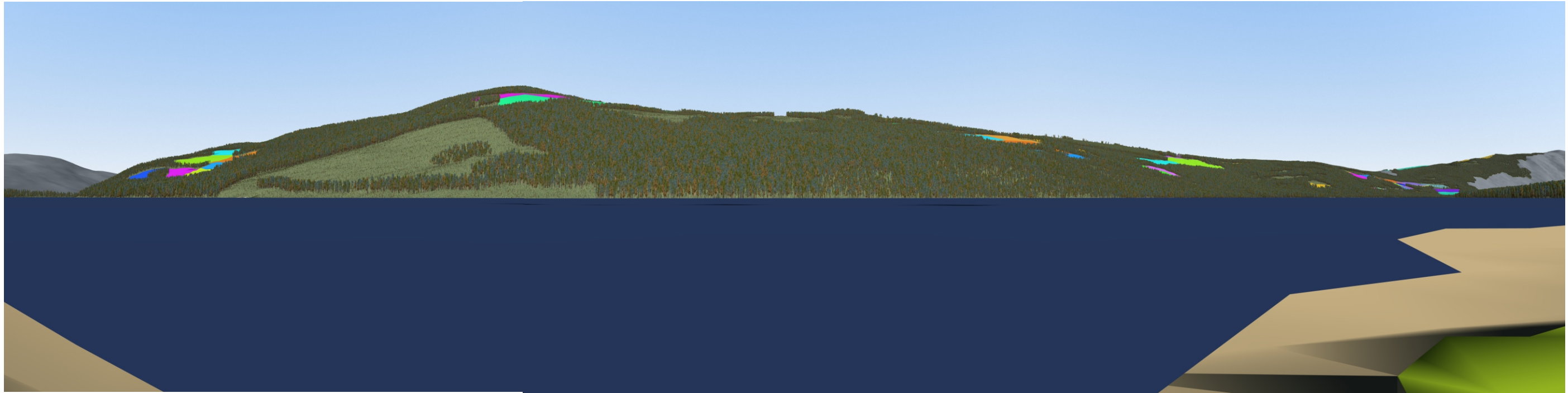
East Barriere Lake Homes 3 Viewpoint IVD Percent Alteration



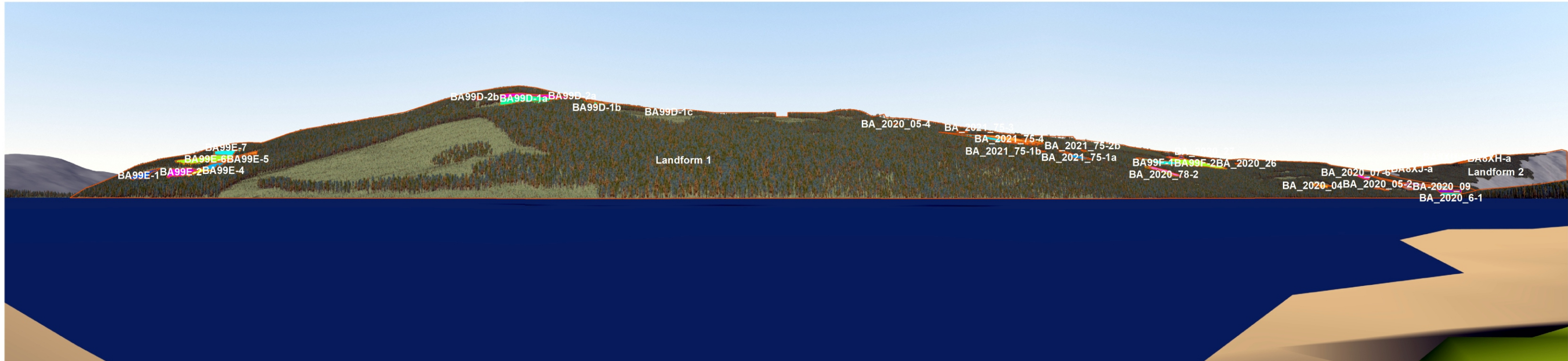
VNS Camera 3 images @ 60 degrees field of view (30mm camera lens)

6480pixels wide

See RDI1, East 3, and East 1 for Sub-Unit Numbering, and Next Page for Percent Alteration

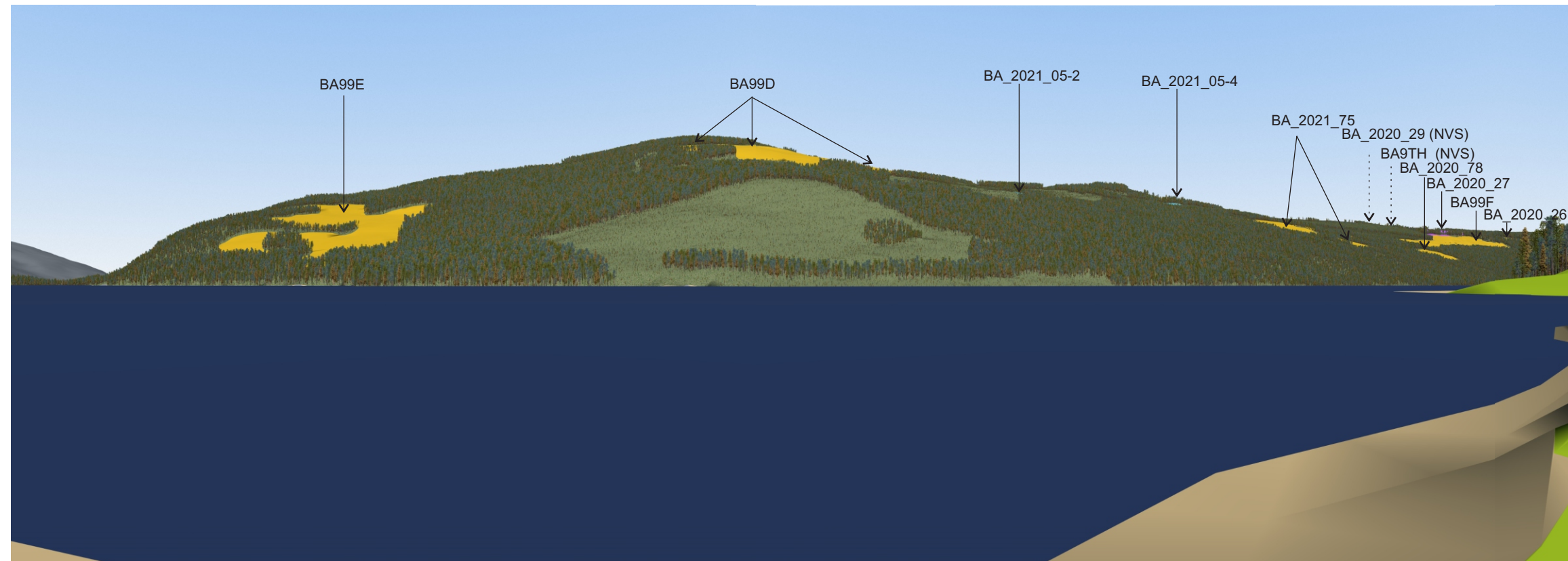


East Barriere Lake Homes 2 Viewpoint IVD



Percent Alteration Barriere East from East 2 Viewpoint		
NAME	AREA_Pers	%Alt
Landform 1	700151.65	
BA_2020_02-1	38.94	0.01%
BA_2020_02-2	73.79	0.01%
BA_2020_02-3	23.83	0.00%
BA_2020_04	287.81	0.04%
BA_2020_05-1	53.97	0.01%
BA_2020_05-2	360.31	0.05%
BA_2020_05-4	20.01	0.00%
BA_2020_07-1	49.02	0.01%
BA_2020_07-2	99.09	0.01%
BA_2020_07-3	27.15	0.00%
BA_2020_07-4	242.55	0.03%
BA_2020_07-5	139.68	0.02%
BA_2020_07-6	276.27	0.04%
BA_2020_26	37.20	0.01%
BA_2020_26	40.85	0.01%
BA_2020_27	244.25	0.03%
BA_2020_6-1	410.66	0.06%
BA_2020_6-2	491.83	0.07%
BA_2020_78-1a	62.16	0.01%
BA_2020_78-1b	164.13	0.02%
BA_2020_78-2	493.14	0.07%
BA_2021_75-1a	419.76	0.06%
BA_2021_75-1b	65.33	0.01%
BA_2021_75-2a	607.53	0.09%
BA_2021_75-2b	144.62	0.02%
BA_2021_75-3	916.90	0.13%
BA_2021_75-4	1105.54	0.16%
BA_2021_77	299.45	0.04%
BA_2021-05-5	94.98	0.01%
BA-2020_09	464.87	0.07%
BA99D-1a	2354.48	0.34%
BA99D-1b	219.37	0.03%
BA99D-1c	68.83	0.01%
BA99D-2a	1423.21	0.20%
BA99D-2b	71.75	0.01%
BA99E-1	868.63	0.12%
BA99E-2	1402.42	0.20%
BA99E-3	487.99	0.07%
BA99E-4	631.43	0.09%
BA99E-5	750.93	0.11%
BA99E-6	2133.29	0.30%
BA99E-7	855.51	0.12%
BA99F-1	869.76	0.12%
BA99F-2	1803.76	0.26%
BA99G-1	116.49	0.02%
BA99G-2	92.04	0.01%
Sum Alt L1	21905.52	3.13%
Landform 2	34490.75	
BA8XH-a	160.62	0.47%
BA8XH-b	119.61	0.35%
BA8XJ-a	239.16	0.69%
BA8XJ-b	27.86	0.08%
Sum Alt L2	547.26	1.59%

East Barriere Lake Homes 2 Viewpoint IVD Percent Alteration

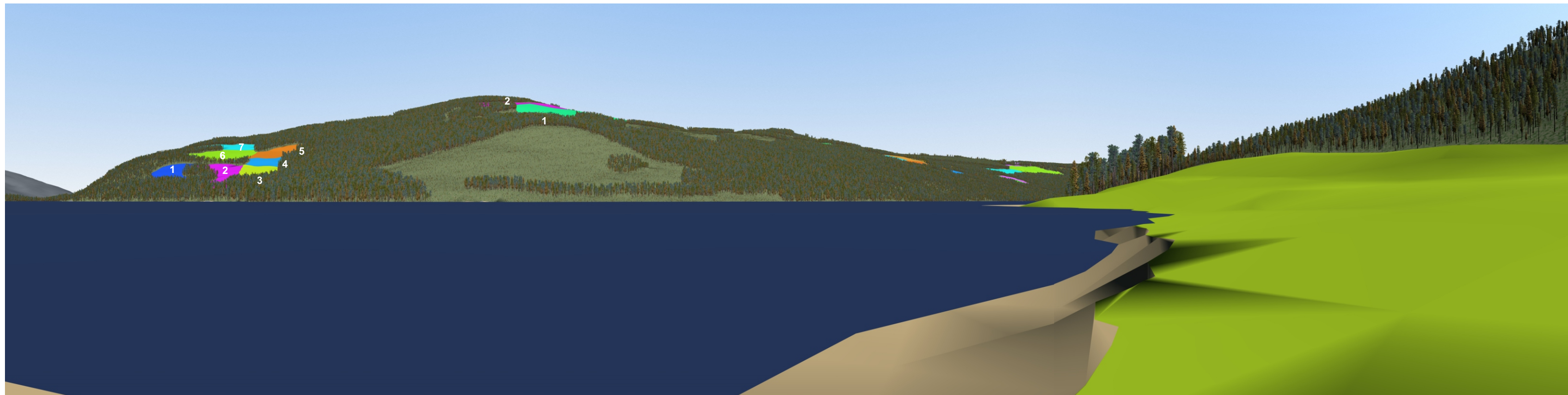


foreground cleared

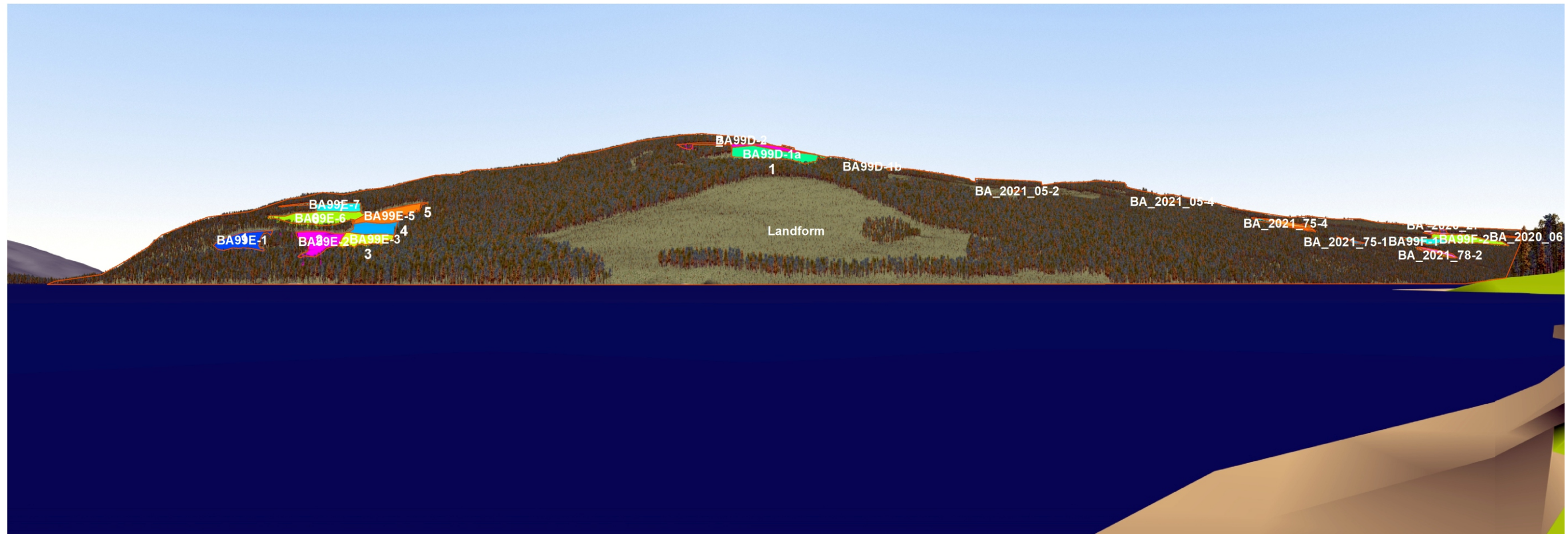
VNS Camera 3 images @ 60 degrees field of view (30mm camera lens)

See next page for Percent Alteration

6480pixels wide



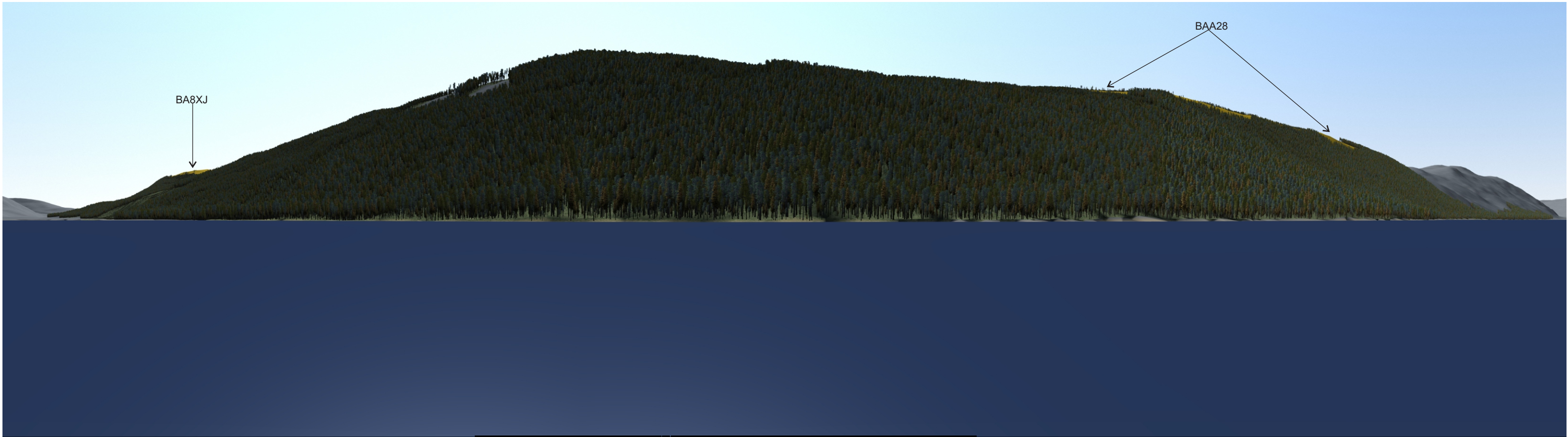
East Barriere Lake Homes 1 Viewpoint IVD



Percent Alteration East Barriere Lake VP East 1		
NAME	AREA_Pers	% Alt
Landform	722236.76	
BA_2020_06	135.60	0.02%
BA_2020_27	346.94	0.05%
BA_2021_05-2	73.56	0.01%
BA_2021_05-4	126.98	0.02%
BA_2021_75-1	146.74	0.02%
BA_2021_75-2	252.79	0.04%
BA_2021_75-2	49.92	0.01%
BA_2021_75-3	367.01	0.05%
BA_2021_75-4	652.29	0.09%
BA_2021_77	130.32	0.02%
BA_2021_78-1	264.56	0.04%
BA_2021_78-2	503.36	0.07%
BA99D-1a	4501.48	0.62%
BA99D-1b	56.78	0.01%
BA99D-1c	29.89	0.00%
BA99D-2	1700.61	0.24%
BA99E-1	3526.53	0.49%
BA99E-2	3992.96	0.55%
BA99E-3	2749.43	0.38%
BA99E-4	2692.37	0.37%
BA99E-5	3432.55	0.48%
BA99E-6	4657.44	0.64%
BA99E-7	2182.72	0.30%
BA99F-1	957.06	0.13%
BA99F-2	2251.32	0.31%
Sum Alt	35781.20	4.95%

- Percent Alteration > 0.60%
- Percent Alteration 0.24% to 0.60%

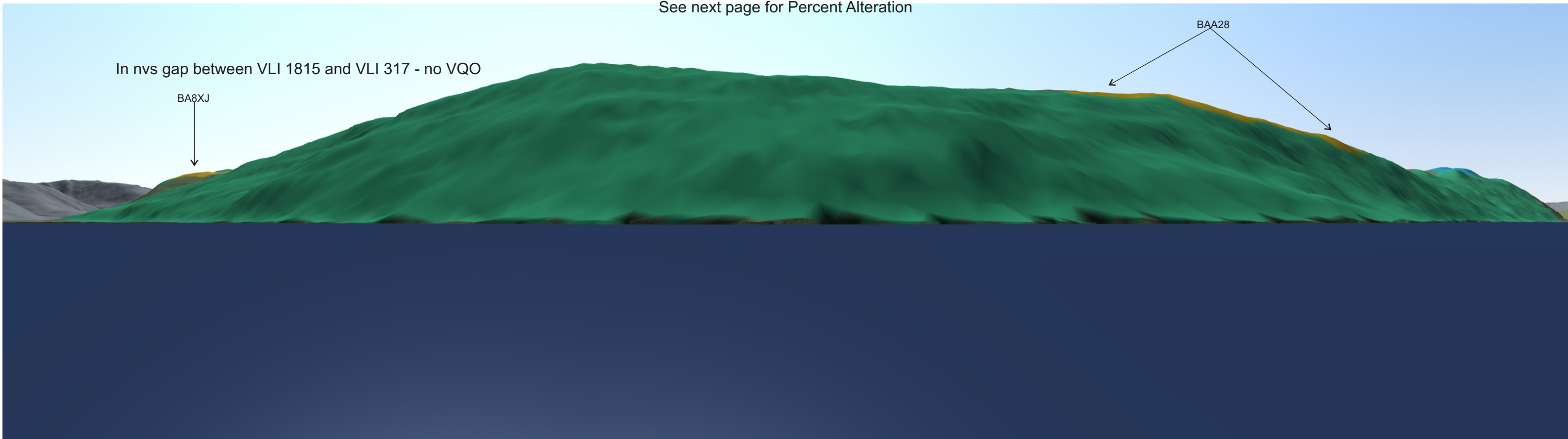
East Barriere Lake Homes 1 Viewpoint IVD Percent Alteration



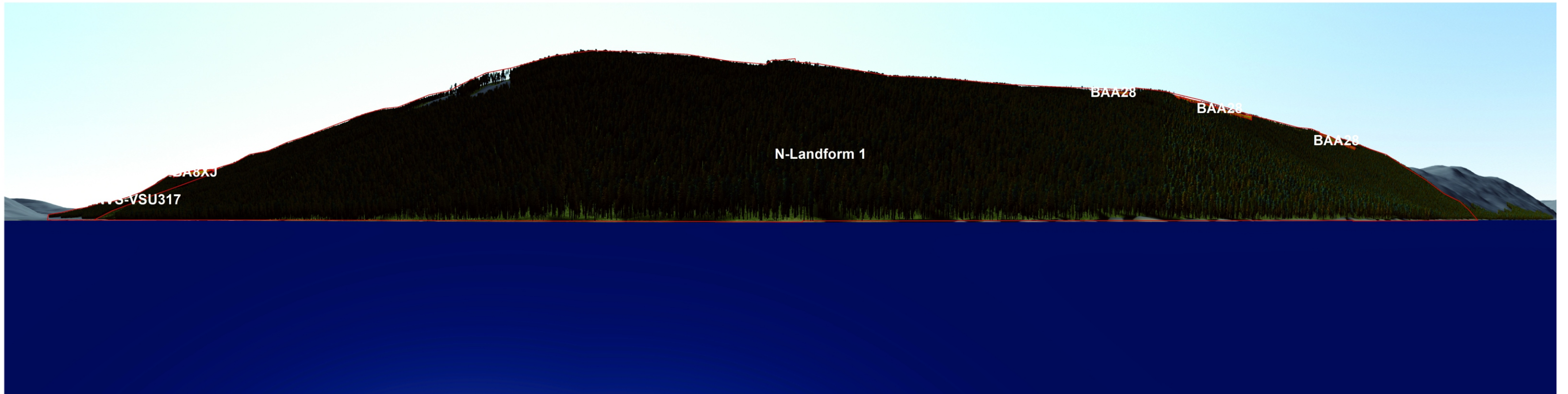
VNS Camera 3 images @ 60 degrees field of view (30mm camera lens)

5180 pixels wide

See next page for Percent Alteration

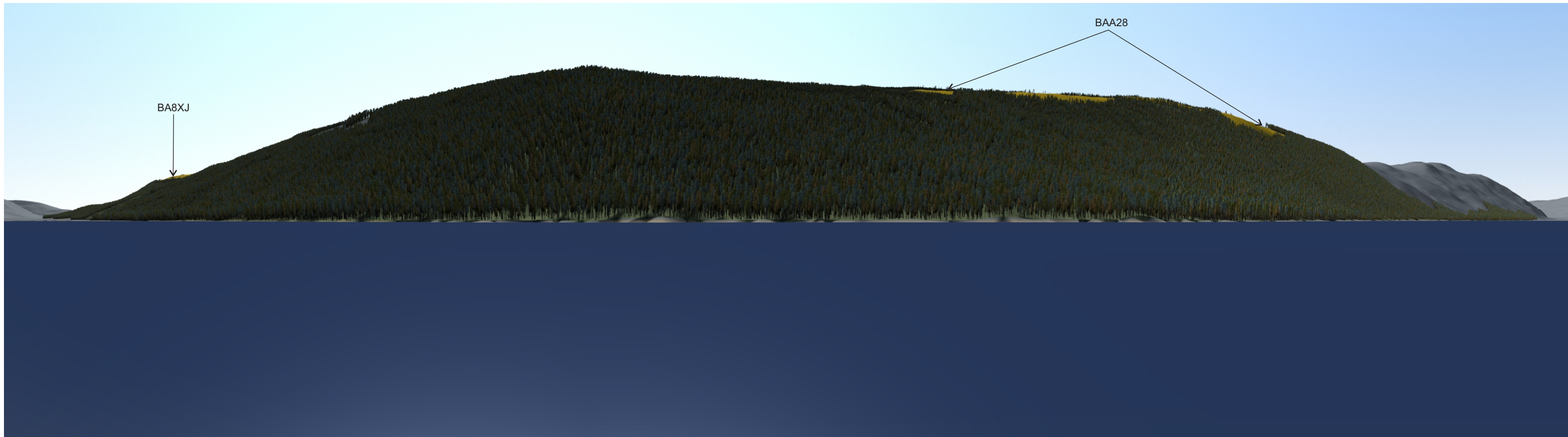


North Barriere Lake Resort Viewpoint IVD

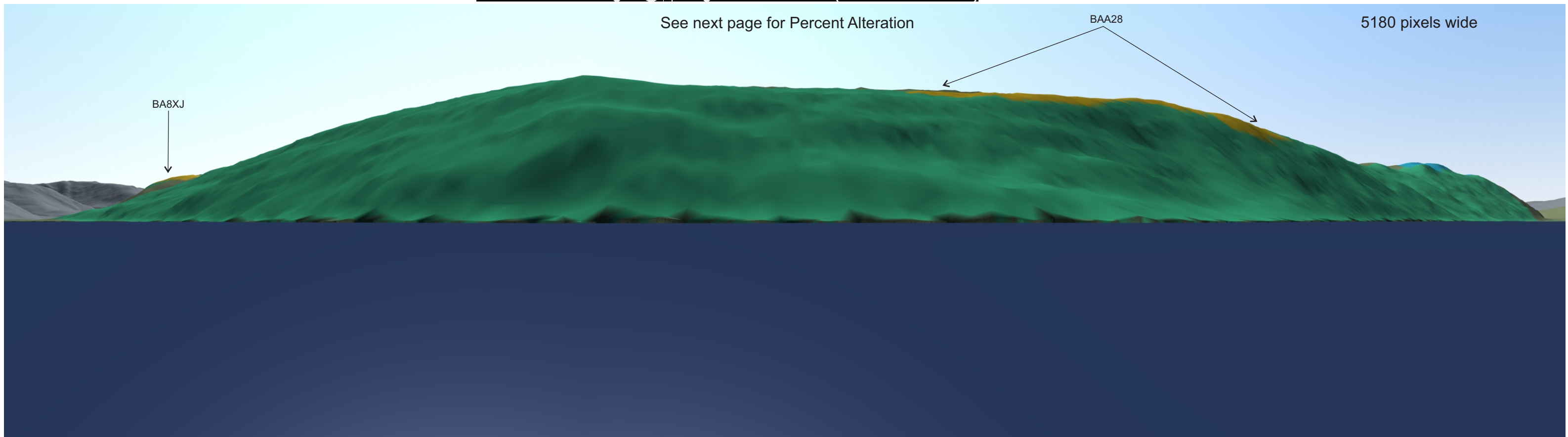


Percent Alteration North Barriere Lake from Resort		
NAME	AREA_Pers	%Alt
N-Landform 1	1577207.59	
BAA28	578.36	0.04%
BAA28	1391.28	0.09%
BAA28	761.89	0.05%
Sum Alt NL1	2731.54	0.17%
N-NVS-VSU317	16370.56	
BA8XJ	776.52	4.74%
Sum Alt N-NVS-317	776.52	4.74%
Total Landforms	1593578.14	
Sum Alt	3508.06	0.22%

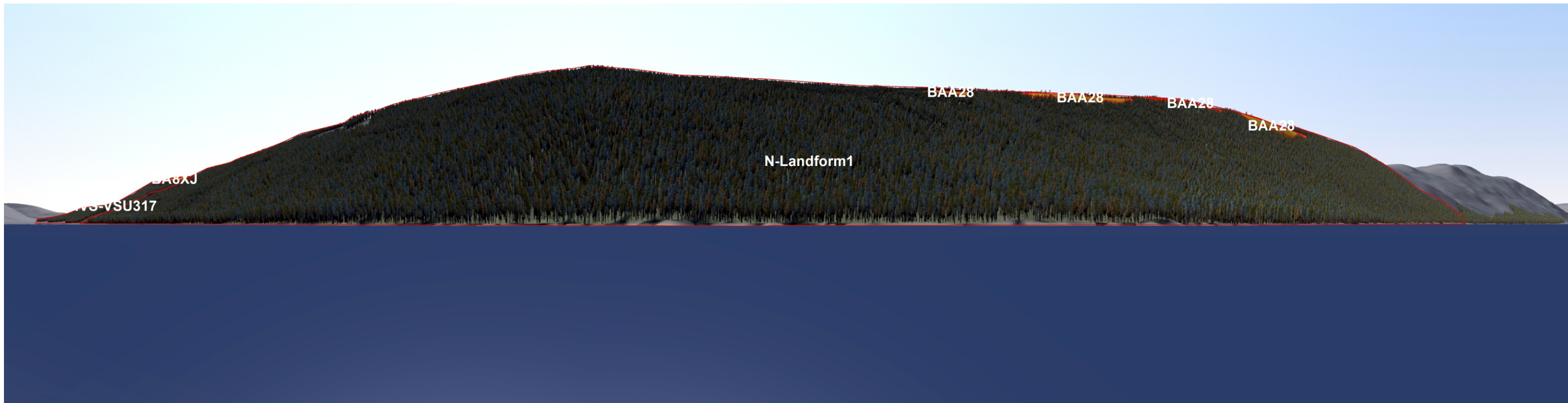
North Barriere Lake Resort Viewpoint IVD Percent Alteration



VNS Camera 3 images @ 60 degrees field of view (30mm camera lens)

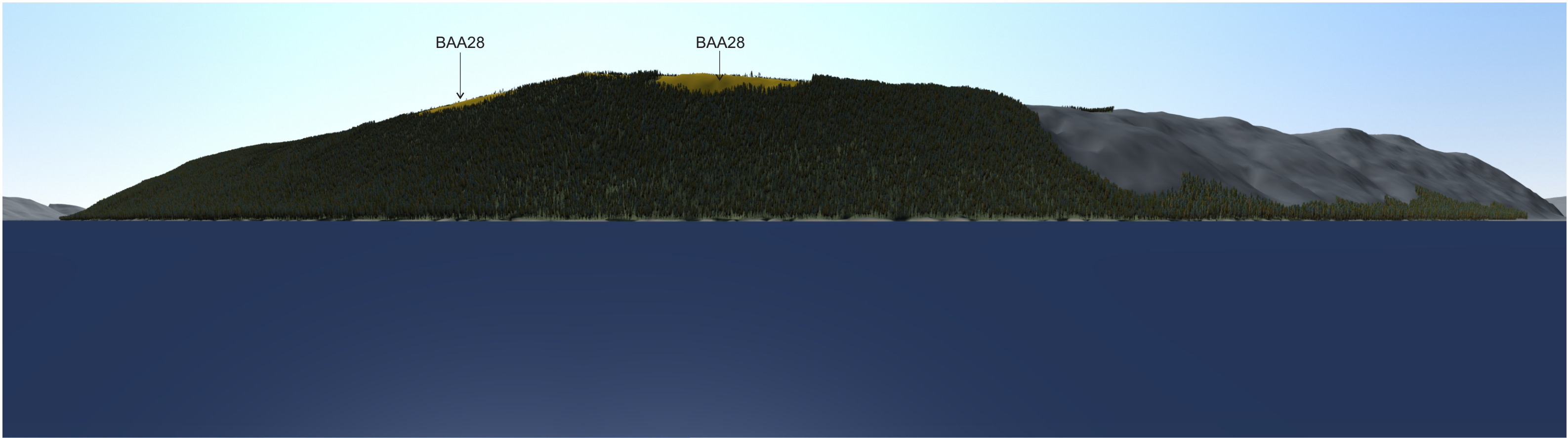


North Barriere Lake Rec Site Viewpoint IVD



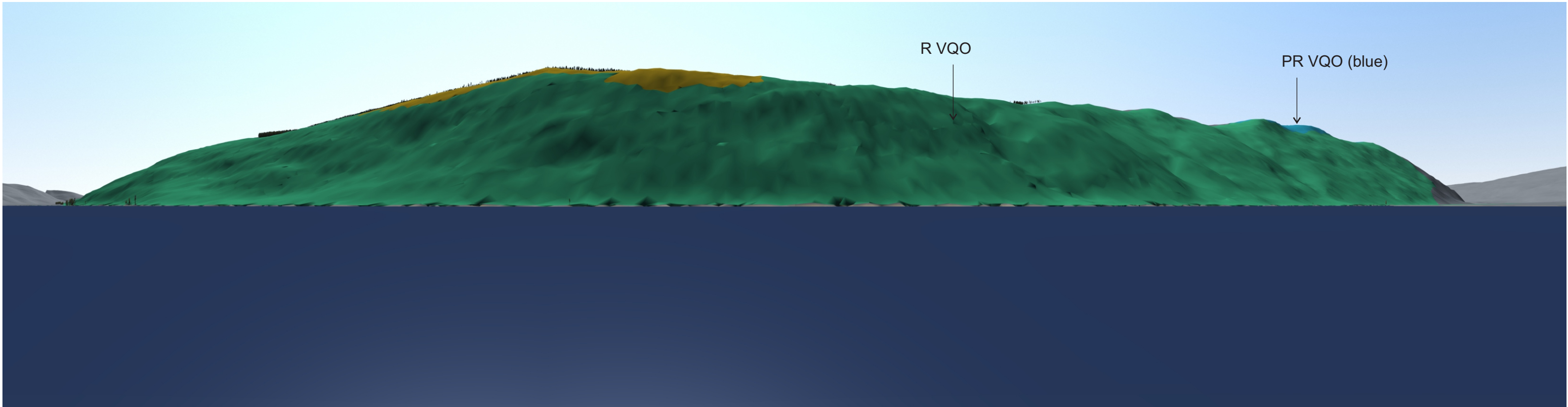
Percent Alteration North Barriere Lake Rec Site		
NAME	AREA_Pers	%Alt
N-Landform1	1468093.91	
BAA28	791.02	0.05%
BAA28	3365.05	0.23%
BAA28	812.12	0.06%
BAA28	3066.18	0.21%
Sum Alt L1	8034.37	0.55%
NVS-VSU317	142721.78	
BA8XJ	501.53	0.35%
Sum Alt NVS-315	501.53	0.35%
Combined Landforms	1610815.69	
Sum Alt	8535.90	0.53%

North Barriere Lake Recreation Site Viewpoint IVD Percent Alteration



See next page for Percent Alteration

5180 pixels wide

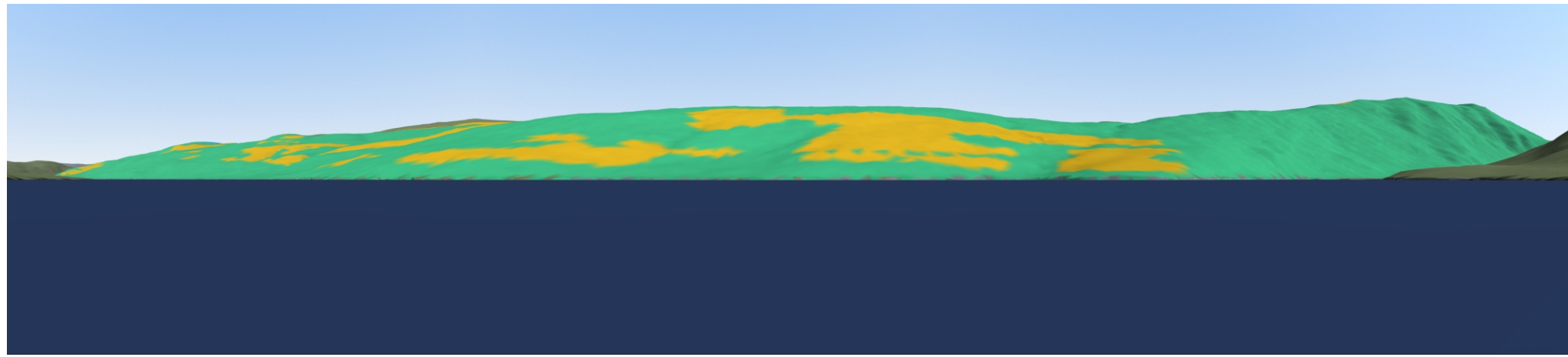


North Barriere Lake RDI West Viewpoint IVD



Percent Alteration North Barriere Lake Viewpoint RDI-N-West		
NAME	AREA_Pers	% Alt
Landform N1	1415565.22	
BAA28	4028.24	0.28%
BAA28	867.82	0.06%
BAA28	17164.57	1.21%
Sum Alt	22060.62	1.56%
Landform N1 is within VSU 1824 - RVQO		

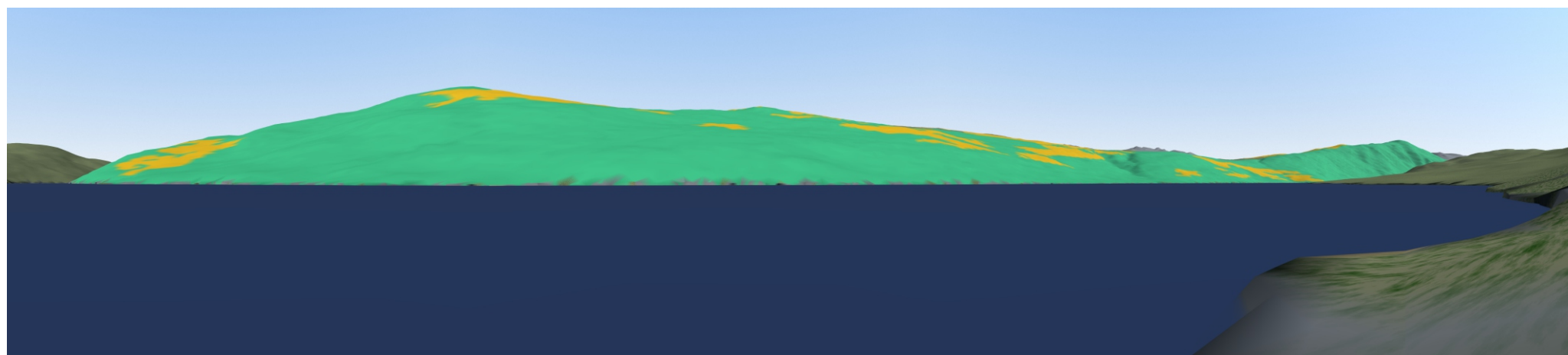
North Barriere Lake RDI West Viewpoint IVD Percent Alteration



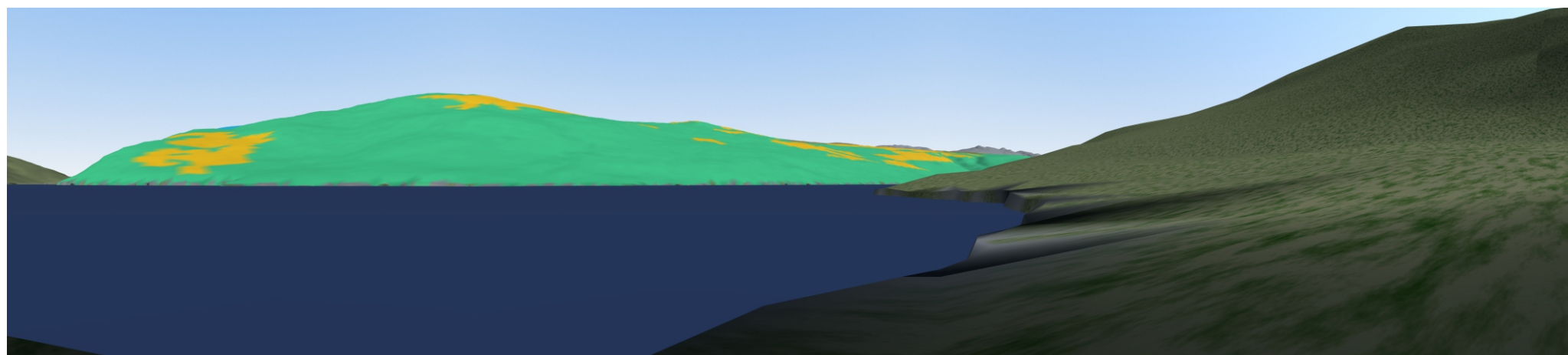
RDI1 Bare VQO



East 3 Bare VQO



East 2 Bare VQO



East 1 Bare VQO

East Barriere Lake Bare VQO