





















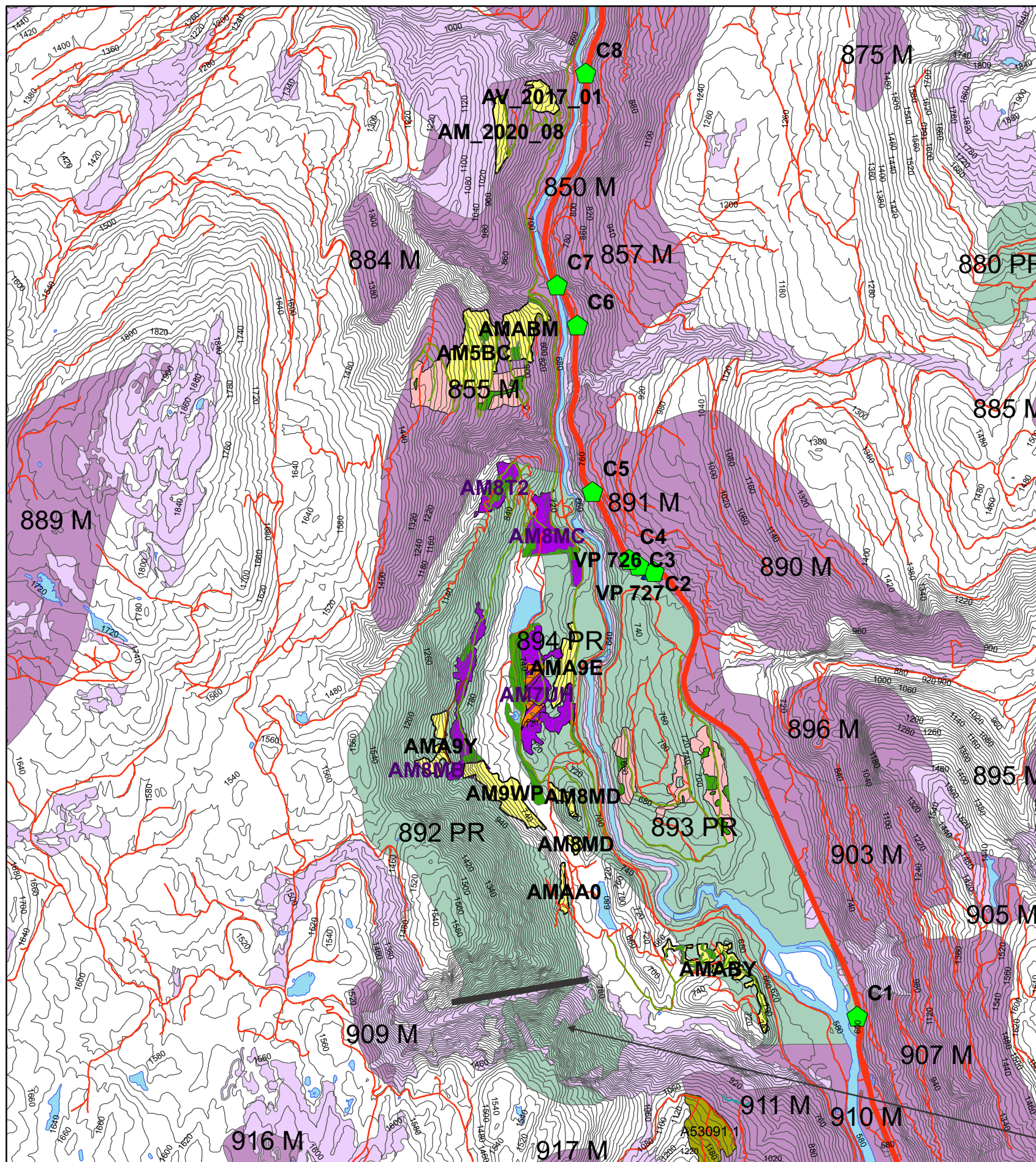


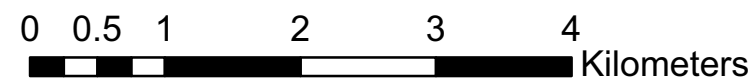
**Avola: Berry-Messiter
Visual Impact Assessment
RDI Resource Design Inc
July, 2021**

Legend

-  PhotoPoints2021
-  MessiterPhotoPoints2015
-  Highway1
-  Highway3
-  Highway2
-  AMA9Y_Access_road
-  Berry_Messiter_Roads
-  A93882_AM8UB_rd
-  Road_Clip
-  Contours
-  Existing_2014-2018_noCB#
-  AM7UH_NHS
-  Berry_Messiter_WTRA
-  June_14,_2021_Berry_Messiter_Proposed_Blocks
-  A53091Stratton
-  AM7UH_NHZ
-  AM7UH_WTRA
-  AM8M8_WTRAS
-  AM8T2_WTRAS
-  A93635-2015
- REC_EVQO_CODE**
-  M
-  PR



south portion of 892 excluded from percent alteration calculation



Contents

1	Key Map
2	Contents
3	Visual Assessment Report & Cutblock Visibility Summary
4	Viewpoint C1 Simulation and Photo
5	Viewpoint C1 Percent Alteration & VQO
6	Viewpoint C2 Simulation and Photo
7	Viewpoint C2 Percent Alteration & VQO
8	Viewpoint C3-C4 Simulation and C3 Photo
9	Viewpoint C3-C4 Simulation and C4 Photo
10	Viewpoint C5 Simulation and Photo
11	Viewpoint C5 Percent Alteration & VQO
12	Viewpoint C6 Simulation and Photo
13	Viewpoint C7 Simulation and Photo
14	Viewpoint C7 Percent Alteration
15	Viewpoint C8 Simulation and Photo
16	Ches Clem Photos 1
17	Ches Clem Photos 2
18	Ches Clem Photos 3

RDI Resource Design Inc was requested by Ches Clem, RPF, Planning Forester and Contract Administrator for RDI, Clearwater Field Team, BC Timber Sales Kamloops Business Area, to assess nine cutblocks proposed for the Berry-Messiter FSR in the Avola Operating Area under the current contract PD18TEB007. A data package was provided to RDI by BCTS on June 14, 2021. Ches conducted a field photography tour on June 28, 2020 to locate 10 key viewpoints along a 16.6 km stretch of Highway 5, and to provide RDI with photography for the assessment.

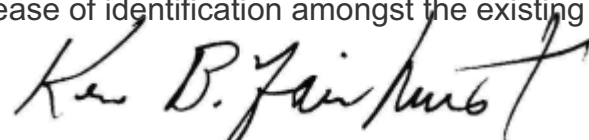
The cutblocks are in the foreground and mid-ground on three landforms as would be seen variously from the viewpoints. The landforms are labelled VLI Polygons 892 and 894, both with an established VQO of Partial Retention (PR), and VLI Polygon 855, with a VQO of Modification. PR means an altered forest landscape resulting from the presence of cutblocks or roads, such that, when assessed from a viewpoint that is representative of significant public viewing opportunities, the alteration is (a) easy to see, (b) small to moderate in scale, and (c) has a design that appears natural and is not angular or geometric. Percent Alteration may range from 1.5% to 7% of the landform. Modification allows an alteration to be very easy to see, and (a) large in scale and natural in appearance or (b) small to medium in scale but with some angular characteristics. Percent Alteration may range from 7.1% to 18% of the landform.

The viewing opportunities towards the cutblocks are brief while driving along Highway 5, are intermittent due to roadside screening, peripheral, mainly away from the direction of travel in both directions, and will be mainly lower down and somewhat difficult to see due to roadside screening except from gaps in the trees along the highway. The cutblocks will be seen in association with recent non-greened-up openings such as AM8MB and AM8T2 in polygon 892 (PR), AM8MC in 894, and the Stratton cutblocks on a separate landform (911 – M). These were assessed in previous reports by RDI.

The broadest and most complete view of the entire proposal occurs at Viewpoint C2, a short walk from a highway pull-out. Cutblocks AM9WP and the two components of AMA9Y will be most visible, higher up on the slope, but forming a pleasing, irregular pattern along with the existing openings (AM8MB group). Total percent alteration of 892 is predicted to be 5.82%, within the PR limit of 7%. RDI has isolated the main landform component of 892 for the calculation as the southern portion is seen as a distinct landform. Viewpoint C1 looks directly on a separate portion of 894, and contains AM8BY. Percent Alteration is 2.54%. well within the PR limit. C5 viewpoint focuses on the existing cutblock AM8MC. The simulation reveals more of that cutblock than the photos, therefore percent alteration was reduced to what is seen, leaving approximately 7.5% alteration in 894, one-half percentage above the limit. The only new alteration proposed for that part of the landform is a tiny pin-point of AM8MD that may be potentially visible (0.01%). Views from C5 and northward to C8 bring AM5BC, AM-2020-08, and AV-2017-01 variously into view. These are located in the Modification polygon 855. Their visual impacts are very safely within the Modification limit.

Percentages have been calculated for viewpoints C1, C2, C5, and C7. A Cutblock Visibility Summary Table is presented on this page. Of the nine proposed cutblocks advanced for RDI review, all but one (AMA9E is predicted to remain unseen, or non-visually sensitive (NVS). The cutblock array meets the VQO prescriptives from all viewpoints. Visual forces are well-respected in the design of the cutblocks. The upper openings relate well with the patterns of the natural openings in the landscape which increase the visual absorption capability in the upper landform.

The image sheets provide the opportunity to compare the panoramic photography produced by RDI with the photos supplied by Ches Clem with the VNS simulations prepared by RDI. Visibility of the cutblocks in the simulations is exaggerated much more than it will be in reality by the bright yellow colouration assigned to the new cutblocks by RDI for ease of identification amongst the existing cutblocks, and can be considered to be “worst-case”.



KB Fairhurst, PhD, RPF
RDI Resource Design Inc,
July 23, 2021

Cutblock Visibility

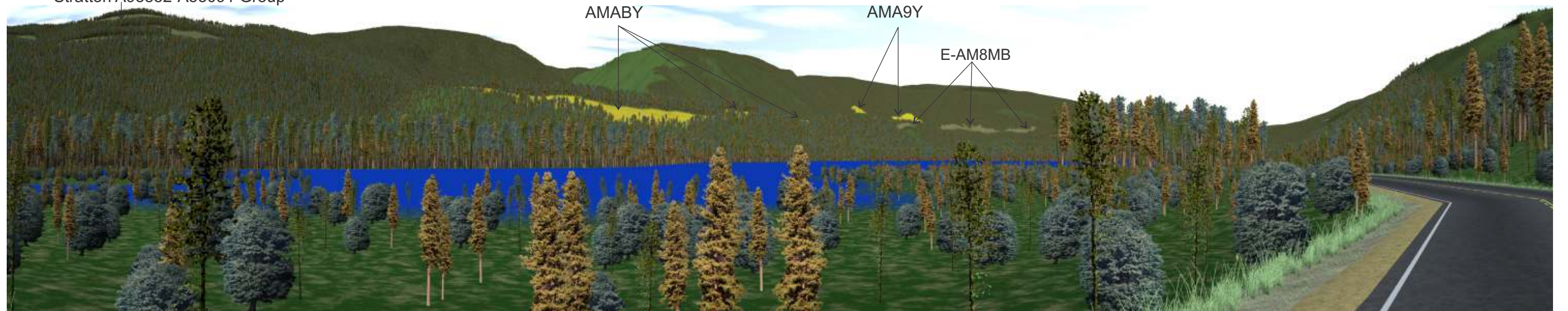
Cutblock	Ches Clem Viewpoint (Photopoint)							
	C1	C2	C3	C4	C5	C6	C7	C8
AMA9E								
AMA9Y	V (POT)	V			V			
AM_2020_08						V	V	V (SLIVER)
AM9WP		V		V				
AM8MD					V (SLIVER)			
AMABM						V	V	V
AM5BC			V	V	V	V (SLIVER)	V (SLIVER)	V
AV_2017_01								V (SLIVER)
AMABY	V	V (POT)						

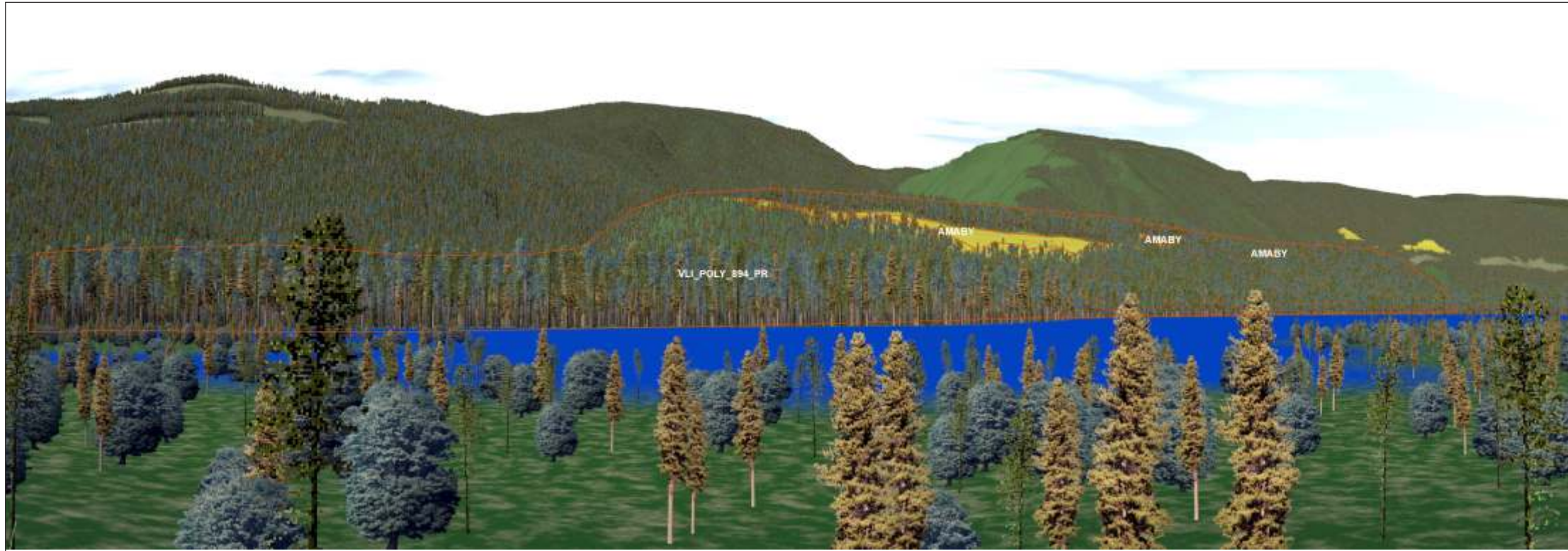
V (POT) = potentially visible



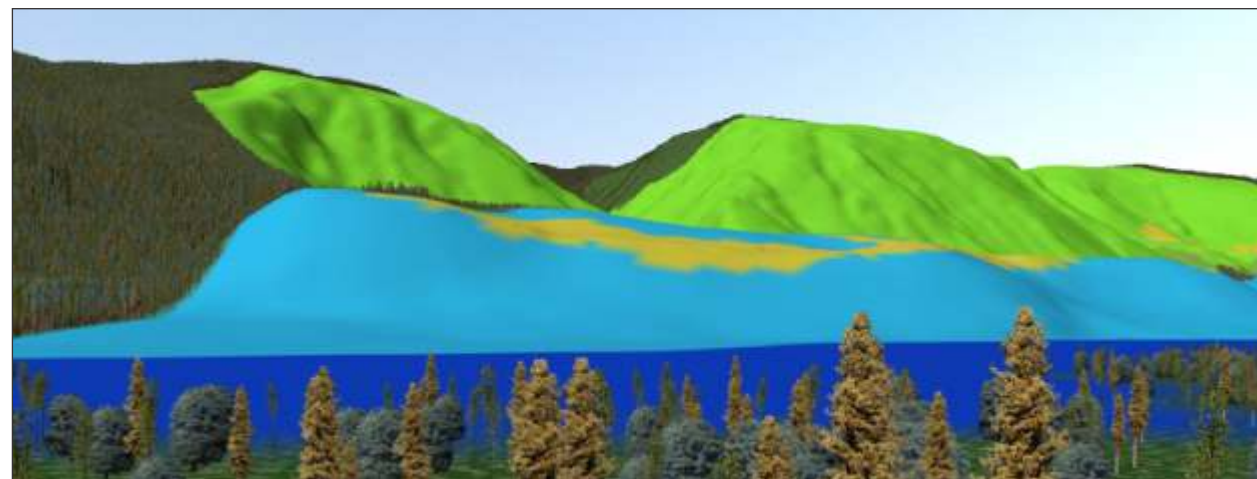
Viewpoint C1 - 9631-9636 - Ches Clem Photos - RDI Panorama & VNS Simulation

Stratton A93882-A53091 Group





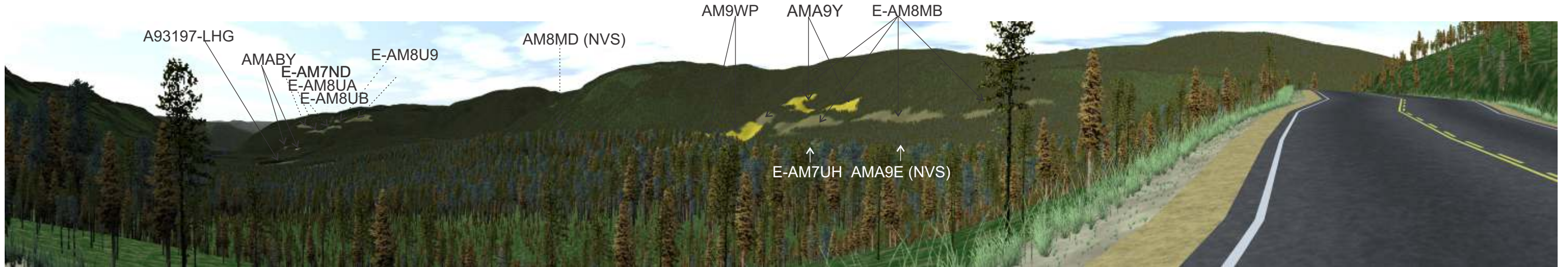
Percent Alteration Viewpoint C1 for VLI_Poly 894 (PR)		
NAME	AREA2	% ALT
VLI_POLY_894_PR	484333.23	
AMABY	11632.69	2.40%
AMABY	550.57	0.11%
AMABY	105.99	0.02%
Sum Alt	12289.25	2.54%

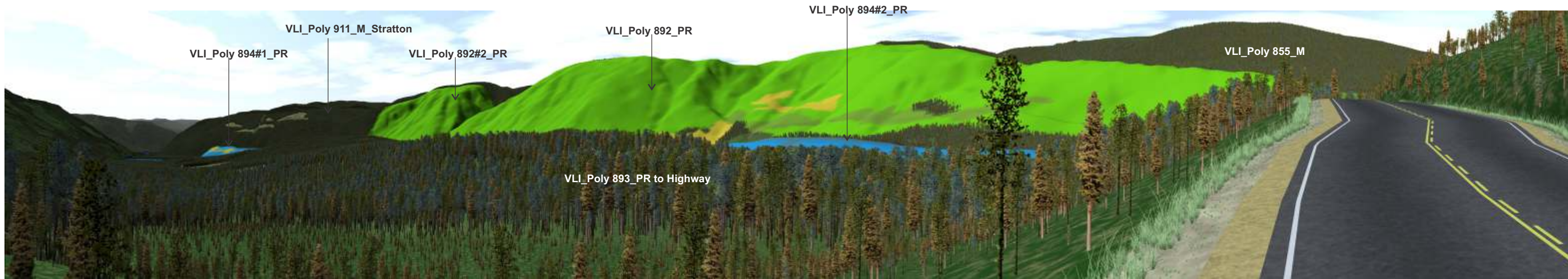


Berry-Messiter 2021 - Viewpoint C1 Percent Alteration



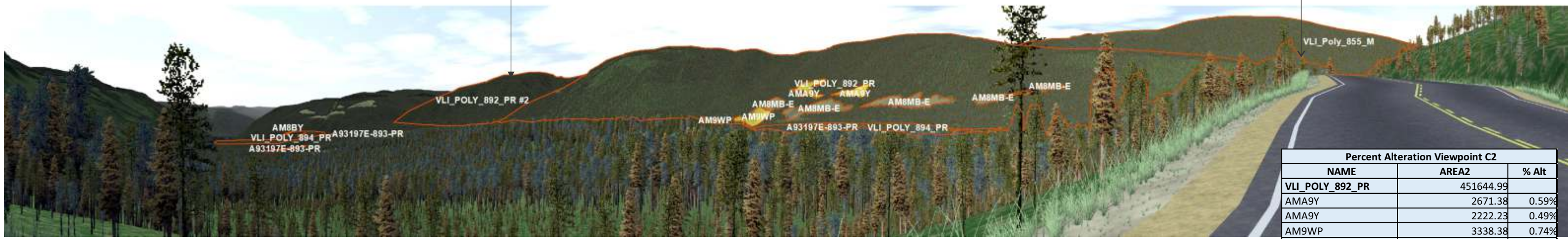
C2 - 9644-9649 - Ches Clem Photos - RDI Panorama





VLI_Poly 892#2 not used in Percent Alteration calculation

E-AM8T2 (behind trees - showing in photo)



E-AM8T2 (behind trees - showing in photo on previous page)
Add 0.50% alteration to VLI_Poly 892 - total 6.62% - meets PR

Percent Alteration Viewpoint C2		
NAME	AREA2	% Alt
VLI_Poly_892_PR	451644.99	
AMA9Y	2671.38	0.59%
AMA9Y	2222.23	0.49%
AM9WP	3338.38	0.74%
AM9WP	120.97	0.03%
AM9WP	49.28	0.01%
AM8MB-E	1560.26	0.35%
AM8MB-E	6017.60	1.33%
AM8MB-E	985.11	0.22%
AM8MB-E	2308.47	0.51%
AM8MB-E	6998.78	1.55%
Sum Alt 892	26272.45	5.82%
VLI_Poly_894_PR-1		
VLI_Poly_894_PR-1	5341.70	
AM8BY	67.11	1.26%
AM8BY	49.59	0.93%
Sum Alt 894-1	116.71	2.18%
VLI_Poly_894_PR-2		
VLI_Poly_894_PR-2	15158.47	
A93197E-894-PR	331.54	2.19%
A93197E-894-PR	16.21	0.11%
A93197E-894-PR	24.84	0.16%
A93197E-894-PR	269.00	1.77%
Sum Alt 894-2	641.59	4.23%



C3 - 9650-9651 - Ches Clem Photos; VNS Rendering Viewpoint C3-C4 by RDI



Berry-Messiter 2021 - Viewpoint C3



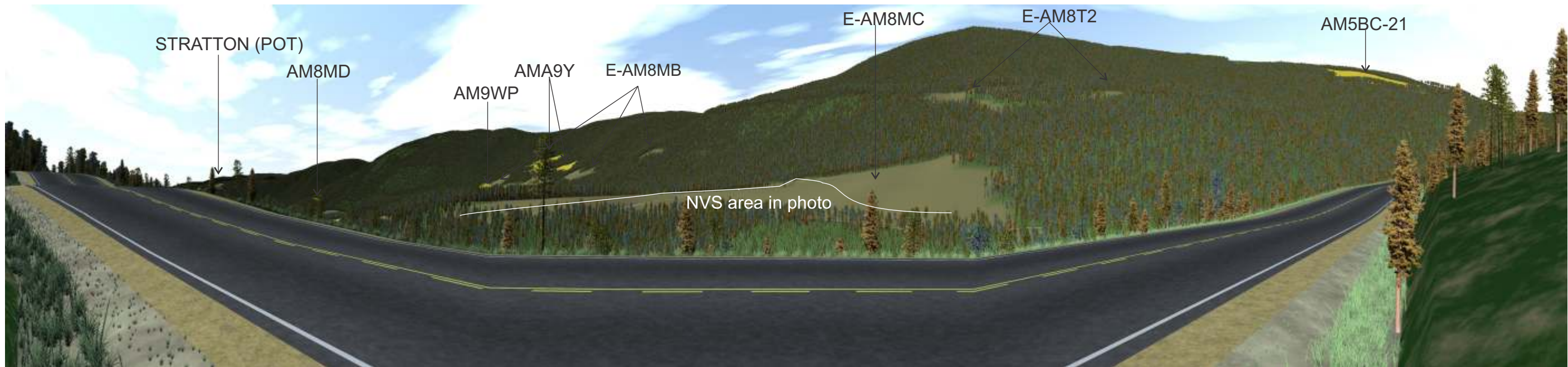
C4 - 9652-9653 - Ches Clem Photos; VNS Rendering VP C3-C4 by RDI

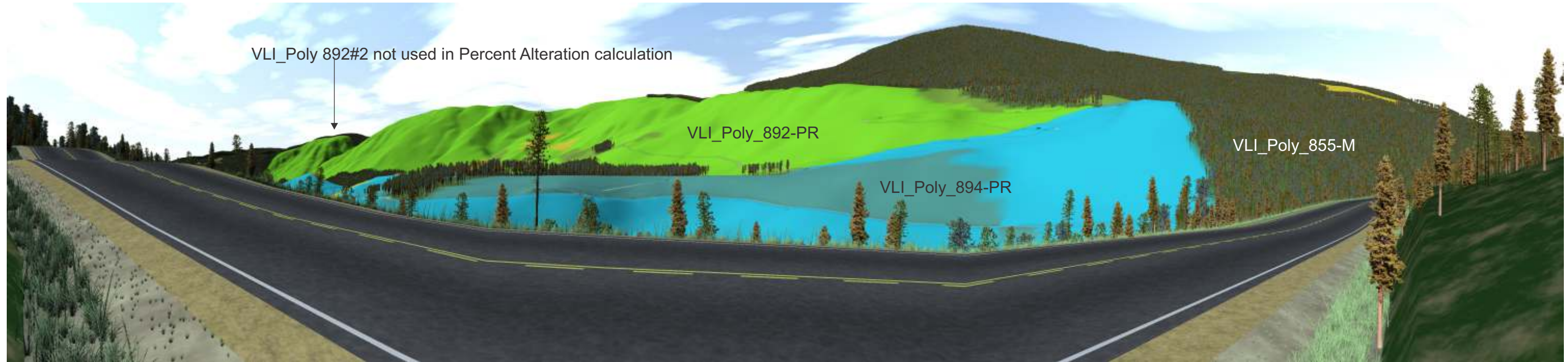
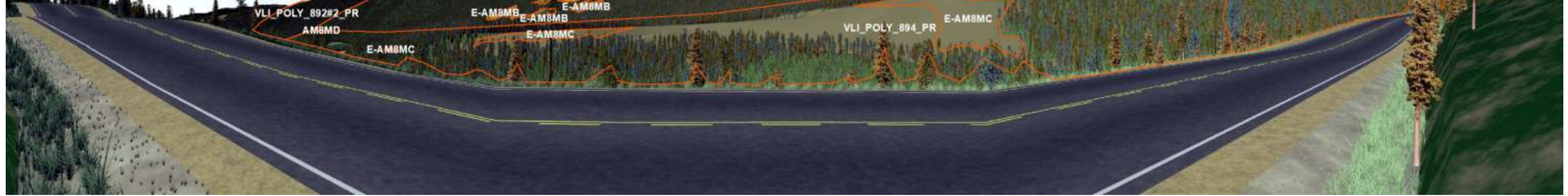


Berry-Messiter 2021 - Viewpoint C4



C5 - 9655-9666 - Ches Clem Photos - RDI Panorama & VNS Simulation

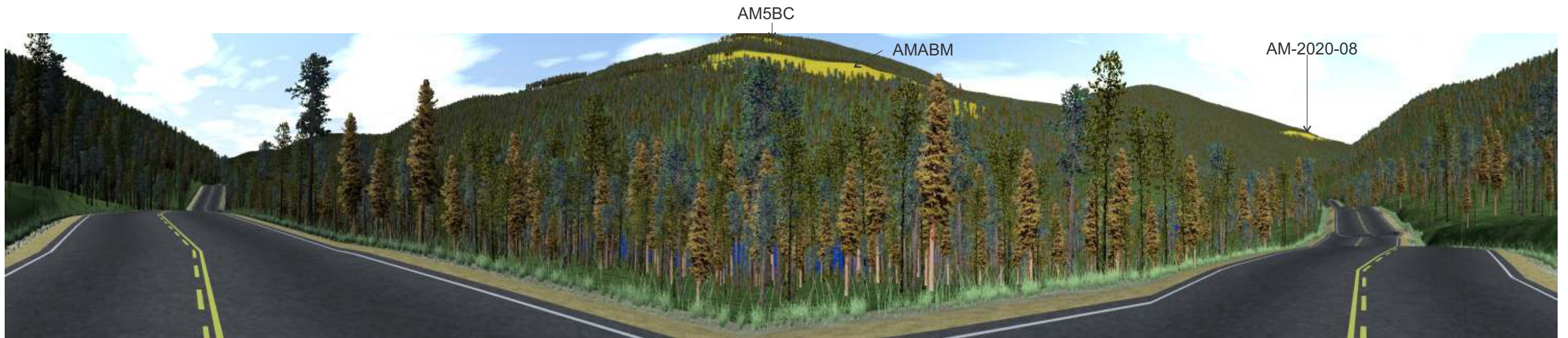




Berry-Messiter 2021 Percent Alteration Viewpoint C5		
NAME	AREA2	% Alt
VLI_POLY_892#1-PR	357187.67	
AMA9Y	1453.02	0.41%
AMA9Y	664.51	0.19%
AM9WP	279.56	0.08%
E-AM8MB	663.35	0.19%
E-AM8MB	1210.36	0.34%
E-AM8MB	1366.89	0.38%
E-AM8MB	359.99	0.10%
E-AM8T2	3700.95	1.04%
E-AM8T2	484.25	0.14%
Sum Alt 892#1-PR	10182.89	2.85%
VLI_POLY_894_PR	547364.21	
E-AM8MC	252.79	0.05%
E-AM8MC	7310.71	1.34%
E-AM8MC	33370.73	6.10%
AM8MD	65.42	0.01%
Sum Alt 894-PR	40999.65	7.49%
VLI_POLY_855-M	389860.19	
AM5BC	2078.34	0.53%
Sum Alt 855-M	2078.34	0.53%

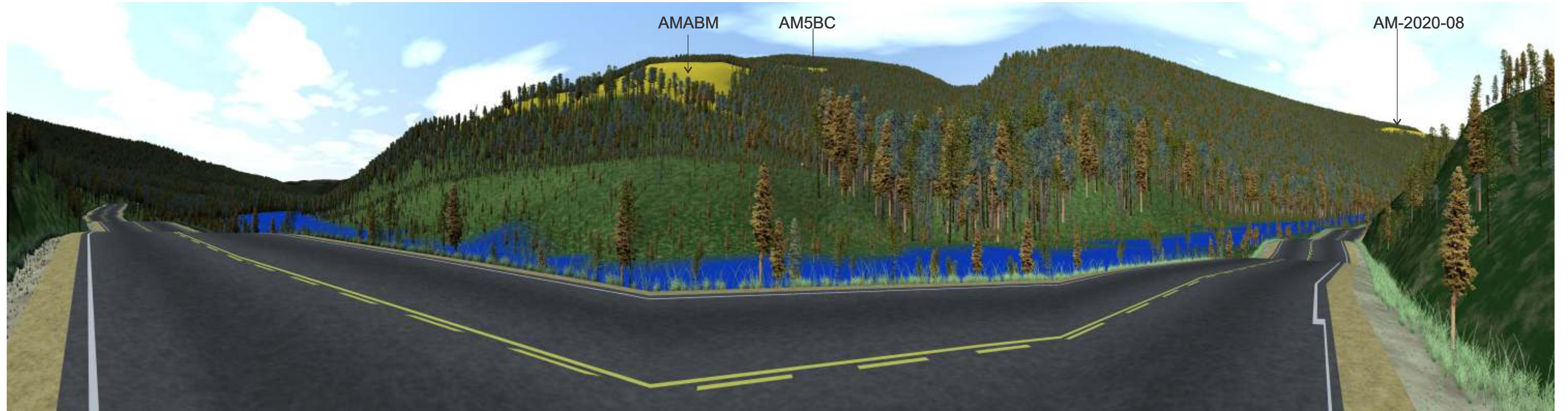


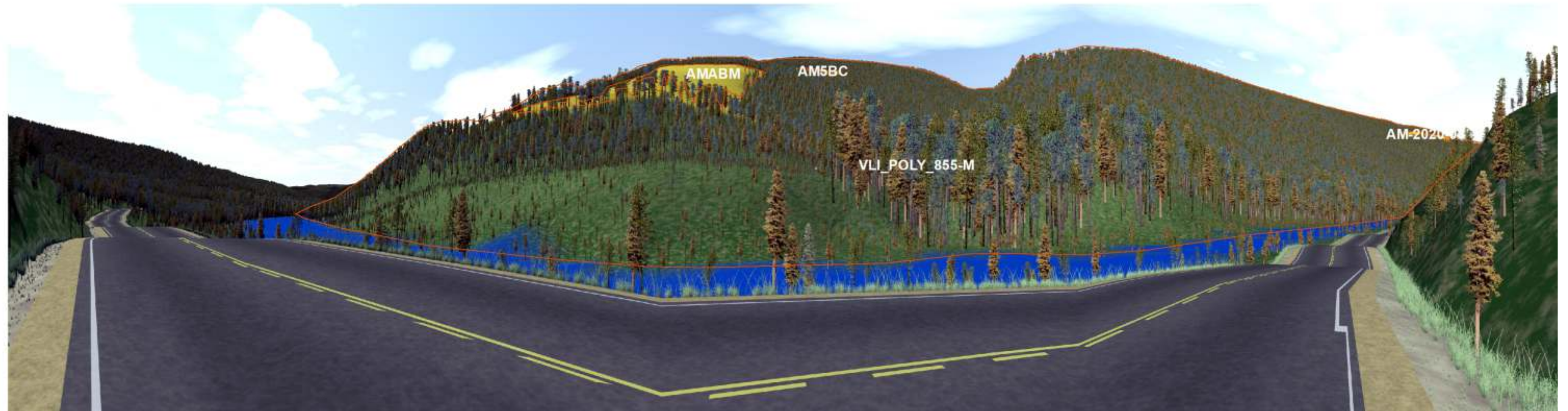
C6 - 9667-9674 - Ches Clem Photos - RDI Panorama & VNS Simulation





C7 - 9675-9684 - Ches Clem Photos - RDI Panorama & VNS Simulation



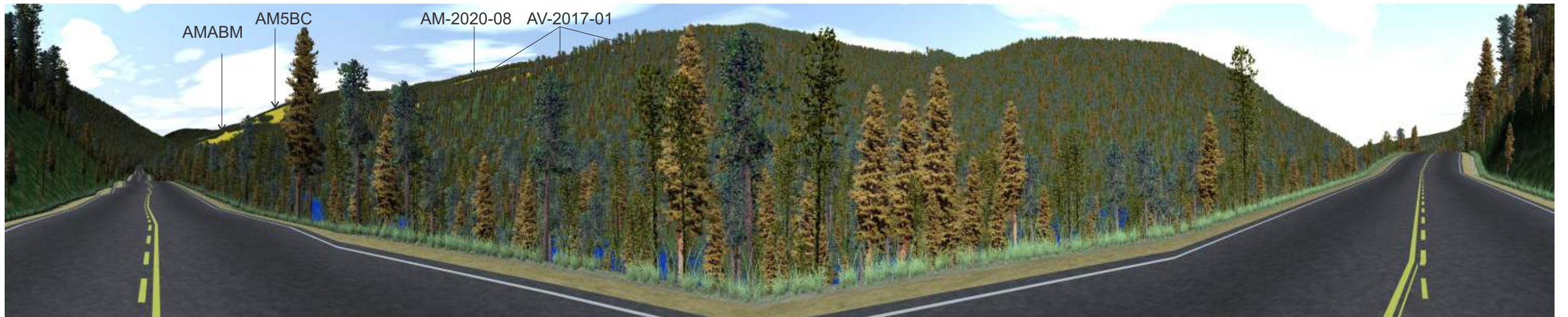


Berry-Messiter 2021 Percent Alteration Viewpoint C7		
NAME	AREA2	%Alt
VLI_POLY_855-M	1602164.74	
AMABM	30584.74	1.91%
AM5BC	826.61	0.05%
AM-2020-08	1147.22	0.07%
Sum Alt 855-M	32558.57	2.03%

Berry-Messiter 2021 - Viewpoint C7 - Percent Alteration



C8 - 9685-9692 - Ches Clem Photos - RDI Panorama & VNS Simulation



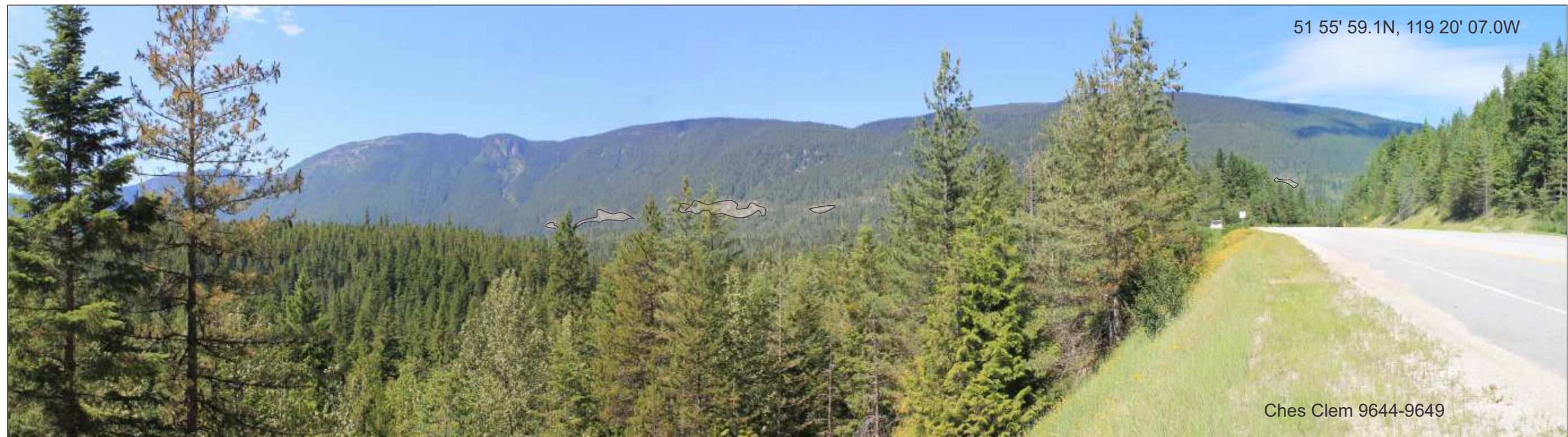
Berry-Messiter 2021 - Viewpoint C8

51 52' 59.3N, 119 18' 25.8W AMABY



Ches Clem 9631-9636

51 55' 59.1N, 119 20' 07.0W



Ches Clem 9644-9649



Ches Clem 9655-9666





Ches Clem 9667-9674



Ches Clem 9675-9684



Ches Clem 9685-9692





51 56' 02.0N, 119 20' 16.5W



51 56' 04.7N, 119 20' 22.0W