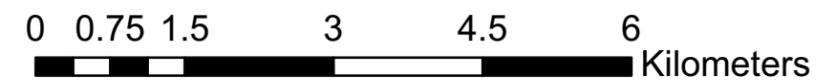
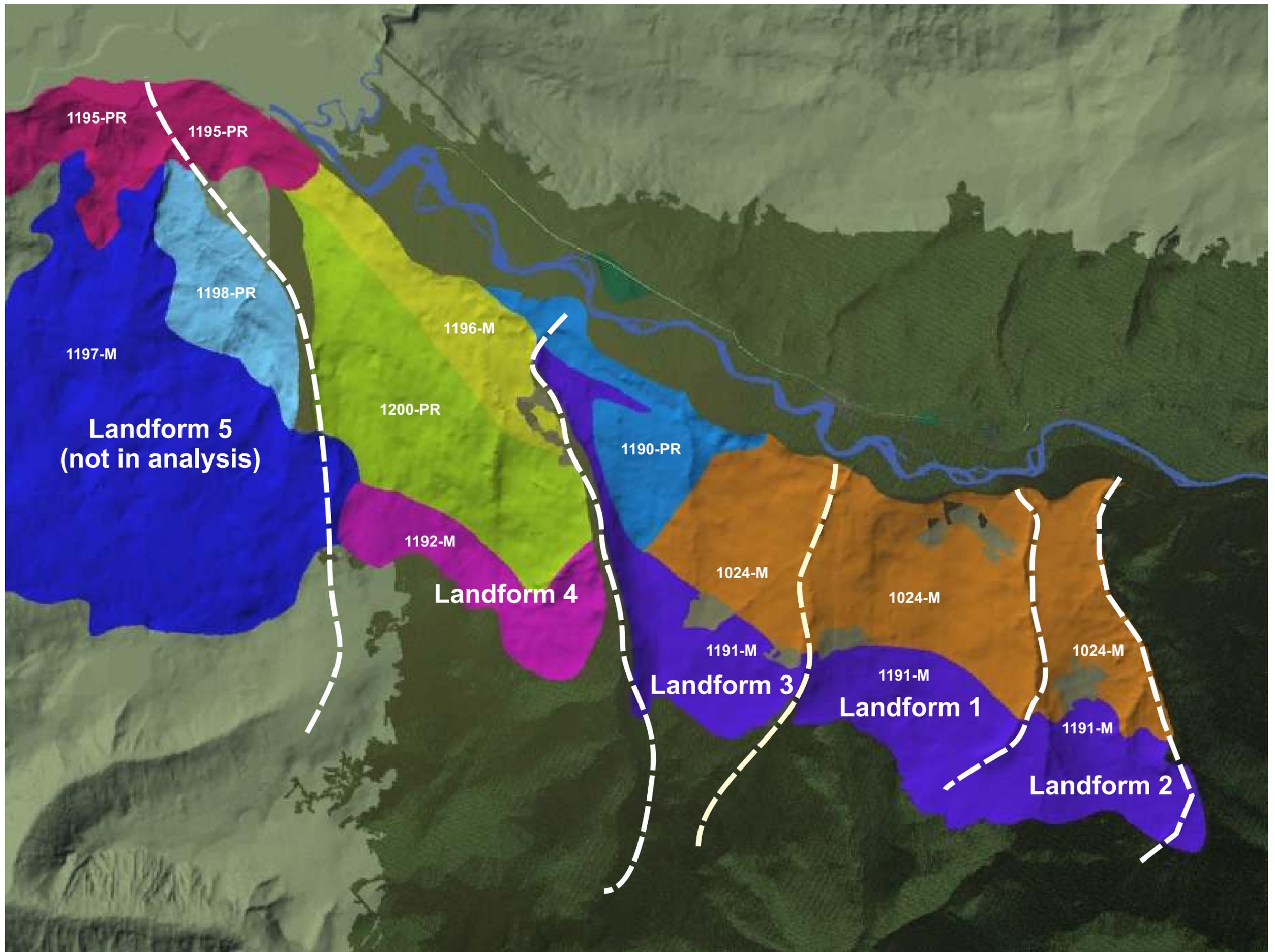


**Fo81J, Fo81K, Fo81S; Fo8L9
BCTS Foghorn VIA
prepared by
RDI Resource Design Inc
November 7, 2015**

-  Landform_Lines
-  Vavenby2015-RDI-Leaveshp
-  2008-2015completeclip
-  Ften2008-2015completed
-  WTPs
-  PAS
-  No Harvest Zone
-  FO8L9 Block shape
-  Foghorn-Hascheck-2015
-  RDI-LeaveProp
-  FO7EM_H2014
-  FO7EL-H2014
-  FO81G
-  FO7PS
-  Viewpoints
-  Highway5
-  Harvested_blks_08-09
-  CFP-2012-A18688
-  N-Thompson
-  Ften_blks
-  New Blocks in this VIA





VNS Simulation of Landforms and Visual Sensitivity Units

Contents

| | |
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Visual Impact Assessment Summary Table

District: Clearwater Licensee: BCTS Kamloops Business Area

| Licence | Block | Mapsheet | Landform | VSU/VQO | Most Restrictive VQO applied to Landform |
|--------------------------|-------|----------|----------|---------------------------------|--|
| Clearwater | Fo81J | 82m051 | 1 | 1024-M, 1191-M | M |
| Clearwater | Fo81K | 82m051 | 3 | 1190-PR, 1024-M, 1191-M | PR |
| Clearwater | Fo81S | 82m051 | 3 | 1190-PR, 1024-M, 1191-M | PR |
| Clearwater | Fo8L9 | 82m051 | 4 | 1196-M, 1200-PR, 1192-M, 1195-M | PR |
| Included from August VIA | | | | | |
| A92773 | Fo81G | 82m051 | 1 | 1024-M, 1191-M | M |
| A92773 | Fo7PS | 82m051 | 1 | 1024-M, 1191-M | M |

Proposed year of Harvest: Proposed Silv System: CC with WTRAs:

Type of Proposed Alteration (e.g. Cutblock, Road or Pipeline R/W, Oil lease, etc.):

VISUAL LANDSCAPE INVENTORY LABEL (old) Kamloops LRMP
 VLU#: See above; Ratings in VQO_Kamloops Shapefile
 DOES EVC EXCEED THE ESTABLISHED VQO?

VSU#: VSR: VAC: EVC: EVQO:

EVQO:

Viewpoints, Viewing Conditions, and Landforms/Cutblocks have been summarized in the following table:

VIEWPOINTS & VIEWING CONDITIONS, CUTBLOCKS AND LANDFORMS SUMMARY

| | | Sandbox | McCorvie | Birch | Miller | Raft |
|--------------------------|------------|---|-------------------------|-------------------------|-----------------------|-------------------------|
| Viewpoint Importance | | Major - Hwy 5 | Major - Hwy 5 | Major - Hwy 5 | Major - Hwy 5 | Major - Hwy 5 |
| Viewing Distance - FO81J | | MG - 5.5k | MG - 4.1k | far MG - 7.2k | BG - 9.7k | BG - 11.9k |
| Landform | Cutblocks | | | | | |
| L1 - M | Fo81J | OK | angular-RDI-adjust-MG | angular-RDI-adjust-BG | angular-RDI-adjust-MG | angular-RDI-adjust-BG |
| L1 - M | Fo7PS | OK - RDI-leave-1508 VIA | OK - RDI-leave-1508 VIA | OK - RDI-leave-1508 VIA | NVS | NVS |
| L1 - M | Fo81G | OK - RDI-leave-1508 VIA | OK - RDI-leave-1508 VIA | OK - RDI-leave-1508 VIA | NVS | OK - RDI-leave-1508 VIA |
| L3 - PR | Fo81K | OK | OK | NVS | NVS | NVS |
| L3 - PR | Fo81S | angular-RDI adjust-MG | OK | NVS | NVS | NVS |
| L4 - PR | Fo8L9 | NVS | NVS | OK | OK - minor | OK - minor |
| L2 - M | A18688-CFP | Visible from all viewpoints; east of L1 | | | | |
| | | Adjustments recommended this VIA | | | | |
| | | Adjustments recommended in August VIA | | | | |

ASSESSING BASIC VQO DEFINITION (confirmed with on-site visit)

Do the proposed alterations achieve the basic VQO definition for the established VQO from each of the identified viewpoints? If applicable state reasons why the proposal does not achieve the basic definition. Include any existing Non-Veg alterations.

Fo81J is seen in conjunction with Fo7PS and Fo81G also in Landform 1. RDI also made some design recommendations for those blocks.

See following table for summary of findings about VQO definition, Design, and Percent Alteration (if significant).

| | Viewpoint | | | | |
|------------------|---------------|-------------------------|----------------------|---------------------------|--------------------------|
| Landform (VQO) | Sandbox | McCorvie | Birch | Miller | Raft |
| L1 (M) | M - 9.3 | M - 8.9 | Far MG - % not calc. | BG - % not calc. | Far BG - % not calc. |
| L2(M) (CFP only) | PR - 2.1 | MM - 19.9 (sliver only) | BG - % not calc. | BG - % not calc. | BG - % not calc. |
| L3 (PR) | PR - 3.1 | Minor - % not calc. | No new viz. | No new viz. - % not calc. | Distant - % not calc. |
| L4 (PR) | Distant - Nil | Distant - Nil | No new viz. | Minor viz. - % not calc. | Minor viz. - % not calc. |
| L5(PR) | NVS | Distant - Nil | Distant - Nil | Nil | Nil |

ASSESSING VISUAL DESIGN

Do the proposed alterations exhibit elements of good visual design? YES NO
 Do the proposed alterations respond to the lines of force analysis? YES NO
 If No why?

*The hard angle forming the northwest corner of Fo81J is obvious travelling east on Highway 5. Fo81S also has a hard angle, seen mainly from Sandbox. To achieve the VQO definitions of Modification (L1) and Partial Retention (L3), RDI considers it to be preferable to reduce the angularity by the addition of retention patches as designed by RDI. Field confirmation of operability considerations is necessary.

Fo81J is seen in conjunction with Fo7PS and Fo81G also in Landform 1. RDI also made some design recommendation for those blocks. These were addressed in the August VIA. There was no advance notice of further development in Landform 1 at that time. Though somewhat simplistic, being guided by existing regeneration, RDI did not look further into design changes for those blocks as they were in a completed VIA and field layout would have proceeded. The existing CFP block is somewhat dominant travelling east, seen in conjunction with the new blocks. It is located in a separate landform (Landform2), and not considered part of the BCTS assessment.

Partial Retention" means an alteration of a 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 (a) is easy to see, (b) is small to moderate in scale, and (c) has a design that appears natural and is not angular or geometric. Acceptable Range for Partial Retention: 1.5-7%.

"Modification" means an alteration of a 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 very easy to see and is either (a) large in scale with a design that is natural in its appearance, or (b) small to moderate in scale but with a design that has some angular characteristics.

Acceptable Range for Modification VQO: 7%-18%.

Are there existing human made alterations visible in the unit showing no or poor design?

NO YES

FOREGROUND ALTERATIONS AND SCREEN DESIGN

Is the visible portion of proposed alteration within 1 kilometre of the viewing locations?

YES NO

Does vegetative or landform screening exist? YES NO

If yes, what type: Deciduous Coniferous Mixed Forest Landform

Would the screen hide proposed operations? YES

Would the screen hide proposed operations? YES NO

A substantial screen exists along the valley bottom.

Is vegetative screen designed properly ie responds to lines of force, shape & scale and remains a viable unit for future removal? YES NO N/A River

Is vegetative screen expected to be windfirm? YES NO N/A not known

If alteration would not be screened or only partially screened, describe the actions proposed to reduce the visual impact in the immediate foreground (e.g. landing location, roadside clean-up, etc.)

No foreground

ADDITIONAL CONSIDERATIONS

Does the EVC in adjacent units exceed the established VQO for those units and how would this affect the management of the present unit proposed for alteration? YES NO

Comments: Perspective foreshortening causes CFP block to exceed M. Seen together with Landform 1 which has RDI design changes as specified above.

Has this VIA submission incorporated all known alterations proposed within the Visual Sensitivity Unit for the next 5 years? (i.e. all blocks proposed by the same or different licensees) YES NO

Comments:

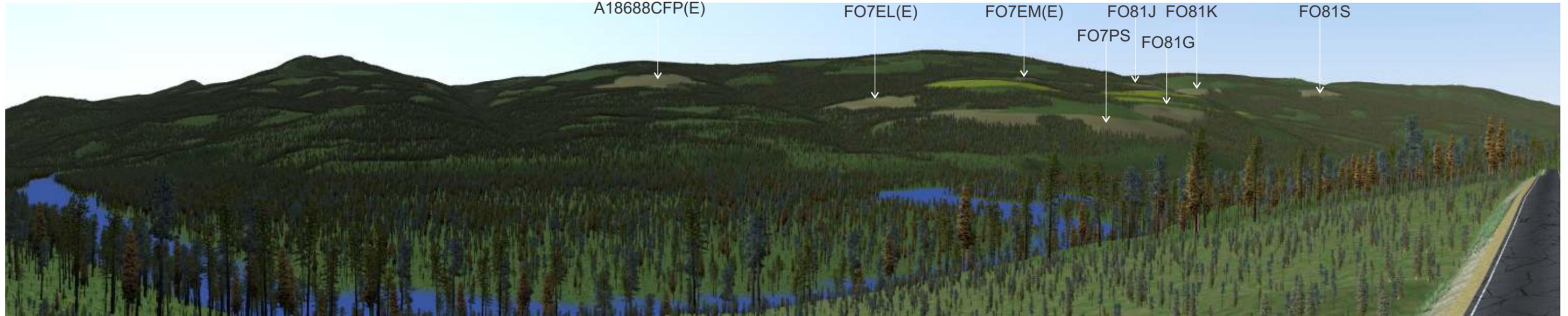
Prepared by:

Ken B. Fairhurst, PhD, RPF
 RDI Resource Design Inc
 November 8, 2015

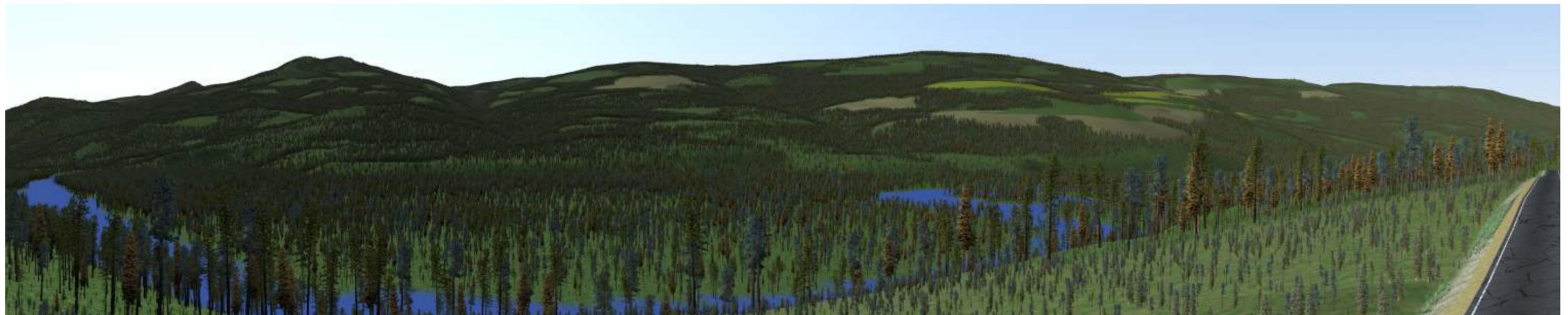


Sandbox Viewpoint Photo by T. Luedke, May 2015

7167 Pixel VNS



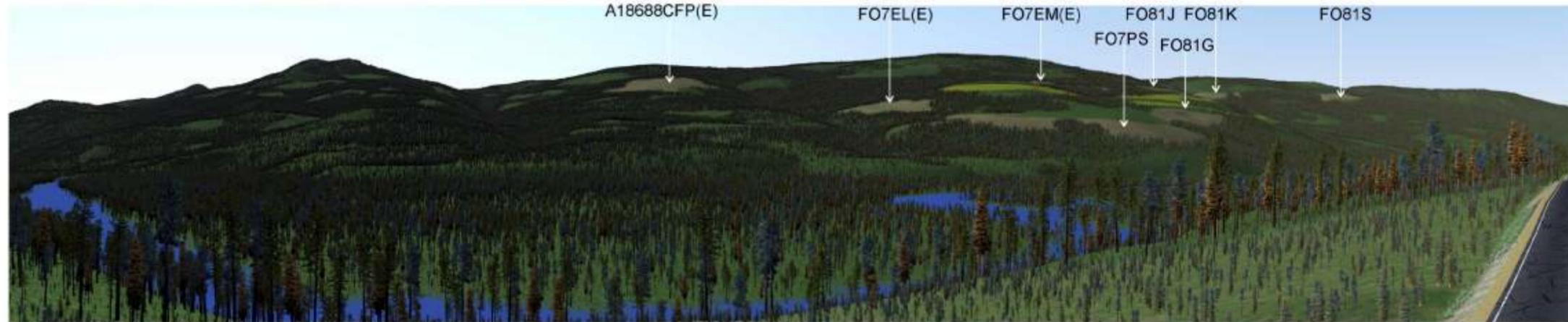
Sandbox Viewpoint VNS Simulation by RDI as of 151017



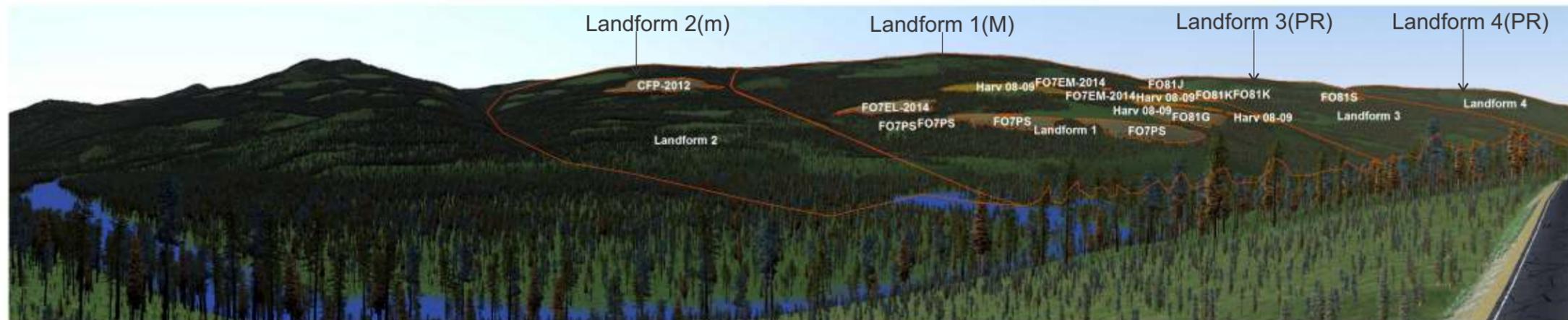


Sandbox Viewpoint Photo by T. Luedke, May 2015

7167 Pixel VNS



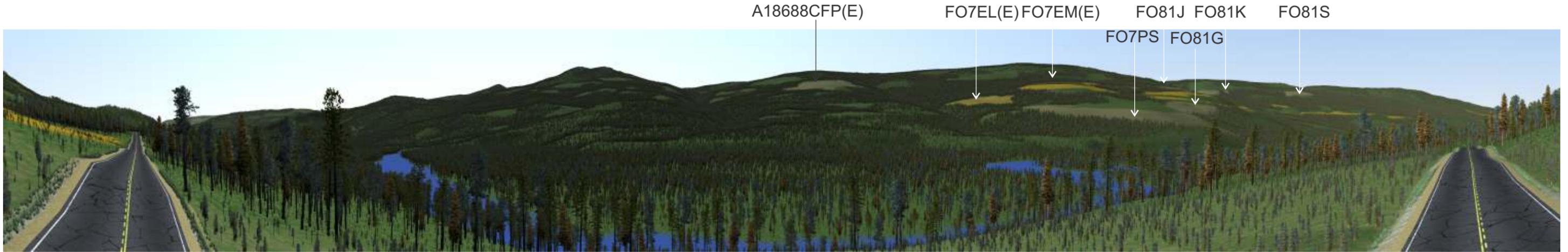
Sandbox Viewpoint VNS Simulation by RDI as of 151017



Sandbox Viewpoint VNS Simulations with RDI Leave Recommendations

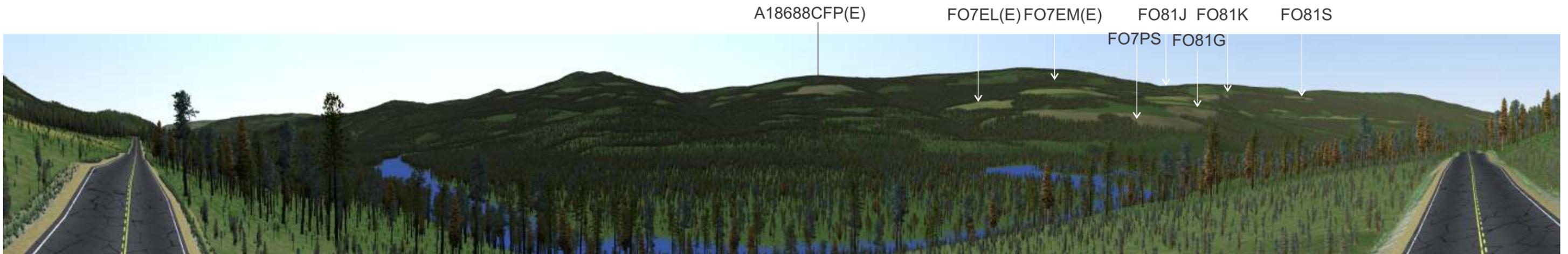
Updated to 151017
RDI Resource Design Inc
October, 2015

| Item | Digital Area | Percent Alteration |
|-----------------------|--------------|--------------------|
| Landform 2 | 346698.72 | |
| CFP-2012 | 7436.91 | 2.1% |
| Landform 1 | 496921.82 | |
| FO7EL-2014 | 6518.28 | 1.3% |
| FO7PS | 8860.15 | 1.8% |
| FO7PS | 115.90 | 0.0% |
| FO7PS | 24.53 | 0.0% |
| FO7PS | 169.82 | 0.0% |
| FO7PS | 16.62 | 0.0% |
| FO7PS | 14.51 | 0.0% |
| FO7PS | 13492.61 | 2.7% |
| FO81G | 6616.76 | 1.3% |
| FO7EM-2014 | 417.08 | 0.1% |
| FO7EM-2014 | 36.14 | 0.0% |
| FO7EM-2014 | 8.35 | 0.0% |
| FO7EM-2014 | 102.40 | 0.0% |
| FO7EM-2014 | 16.62 | 0.0% |
| Harv 08-09 | 2835.28 | 0.6% |
| Harv 08-09 | 1166.83 | 0.2% |
| Harv 08-09 | 189.49 | 0.0% |
| Harv 08-09 | 143.11 | 0.0% |
| Harv 08-09 | 344.36 | 0.1% |
| Harv 08-09 | 5296.44 | 1.1% |
| Sum Landform 1 | 46385.27 | 9.3% |
| Landform 3 | 127788.68 | |
| FO81J | 621.35 | 0.5% |
| FO81K | 1279.77 | 1.0% |
| FO81K | 140.97 | 0.1% |
| FO81S | 1881.96 | 1.5% |
| Sum Landform 3 | 3924.05 | 3.1% |
| Landform 4 | 46342.46 | |
| No visible alteration | 0.00 | 0.0% |



Sandbox original without RDI Leave. Existing nonVEG in orange.

10113



Sandbox with RDI Leave. Existing nonVEG in pale green.
Only Fo81K and Fo81S in L3. See also McCorvie.

Fo7PS - reduced angularity, break in centre to strengthen visual force through block.

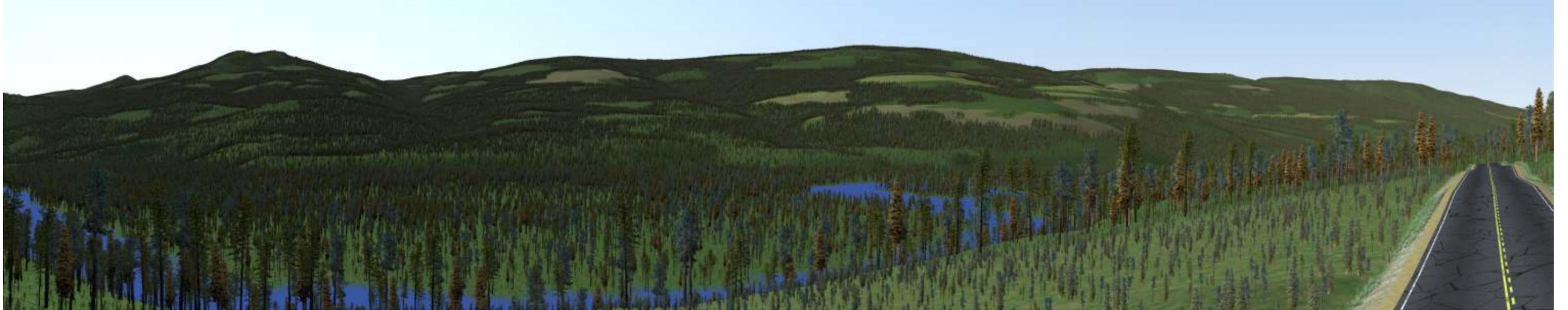
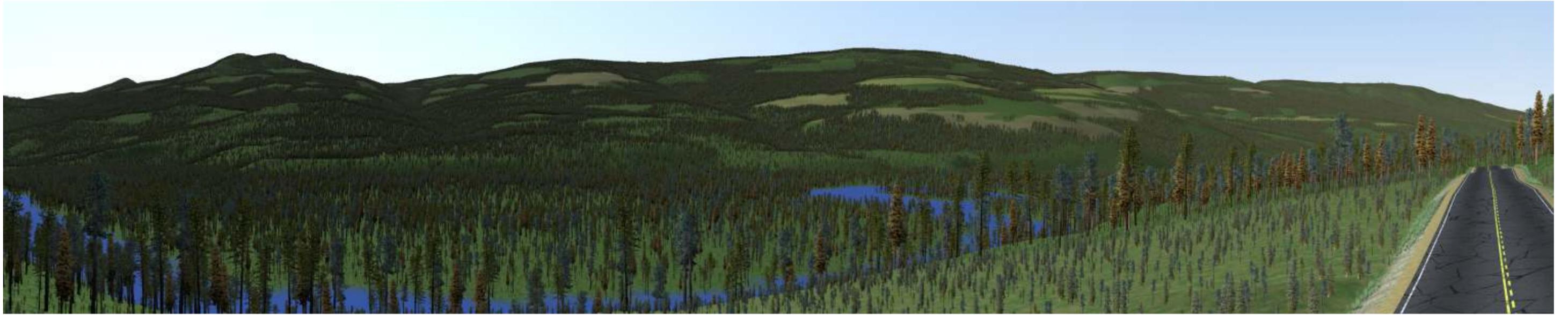
Fo81G - reduced angularity

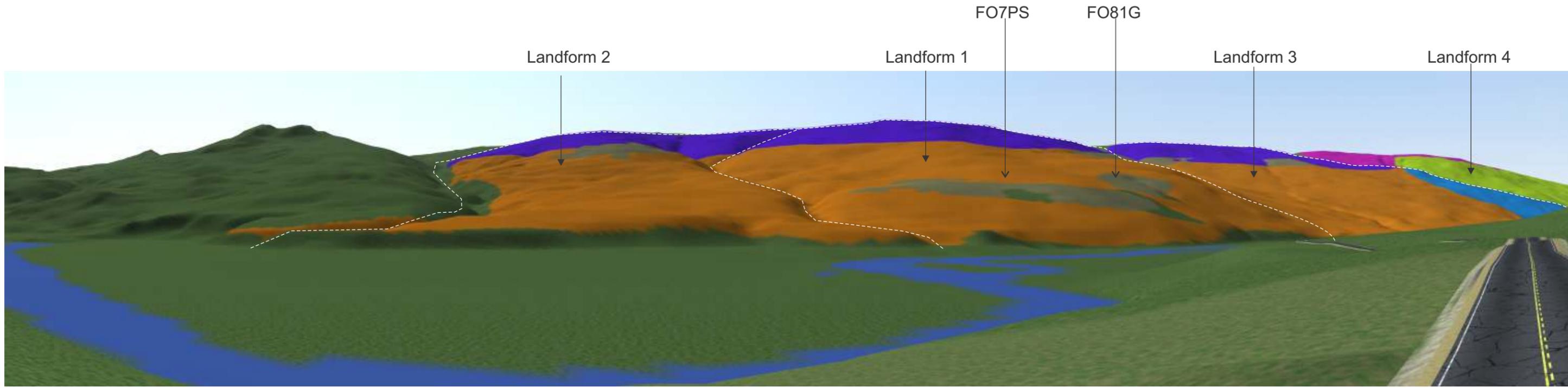
Fo81S - reduced angularity

Note: Fo7PS and Fo81G considered in August VIA. Though simplistic, no further changes were made in this VIA for consistency.

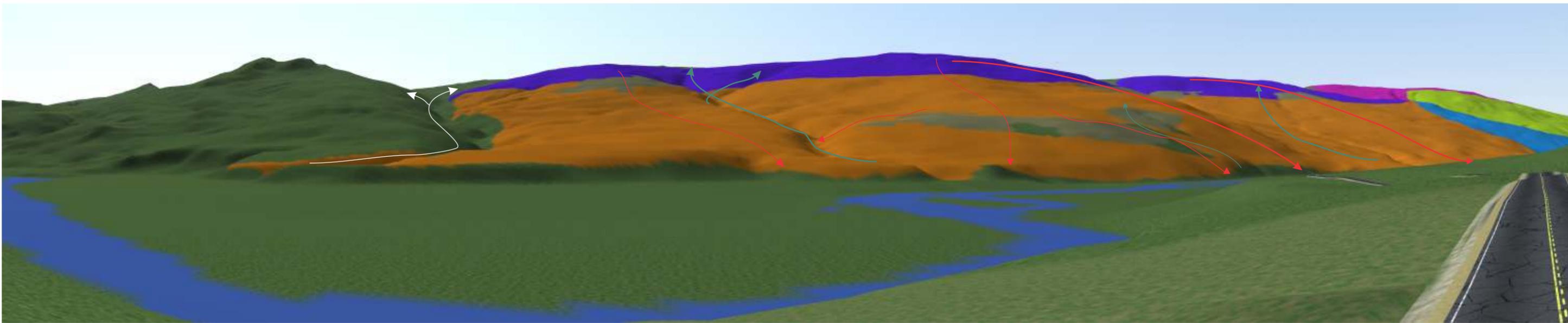
New blocks were not anticipated by RDI at that time.

Window in to view the distinctions between the two scenarios for Fo7PS, Fo81G, Fo81J, and Fo81S.





- VSU 1024 - Modification
- VSU 1191 - Modification



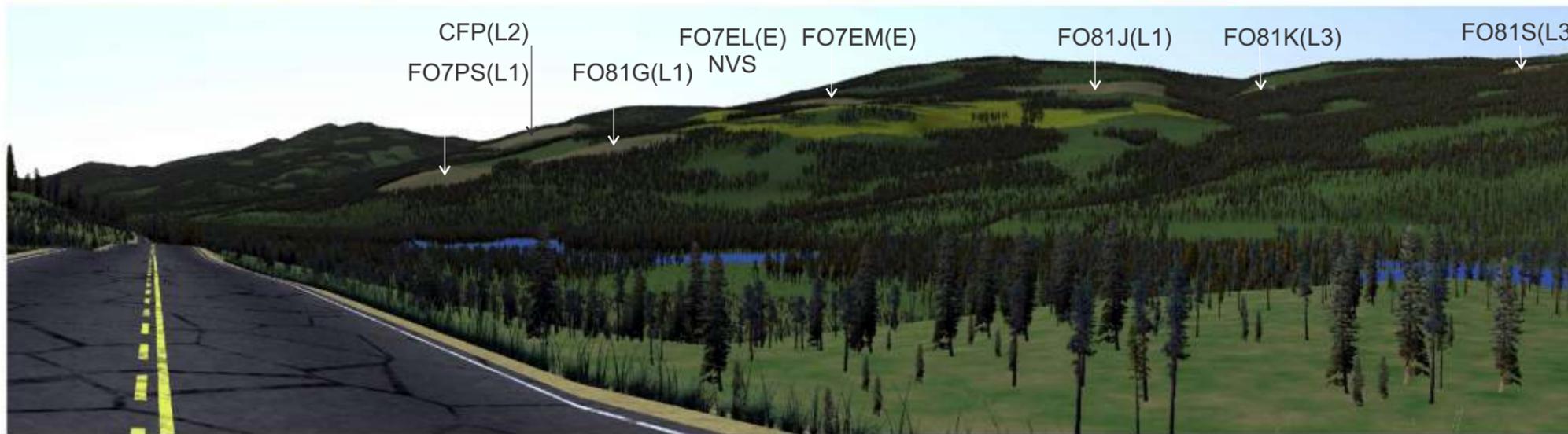
- Visual Force Convexity
- Visual Force Concavity

McCorvie Viewpoint Photo by T. Luedke, May 2015



Landforms L1 and L1+L2 within VSU

with RDI Recommended Changes to BCTS Plan



McCorvie Viewpoint VNS Simulation by RDI- 151017

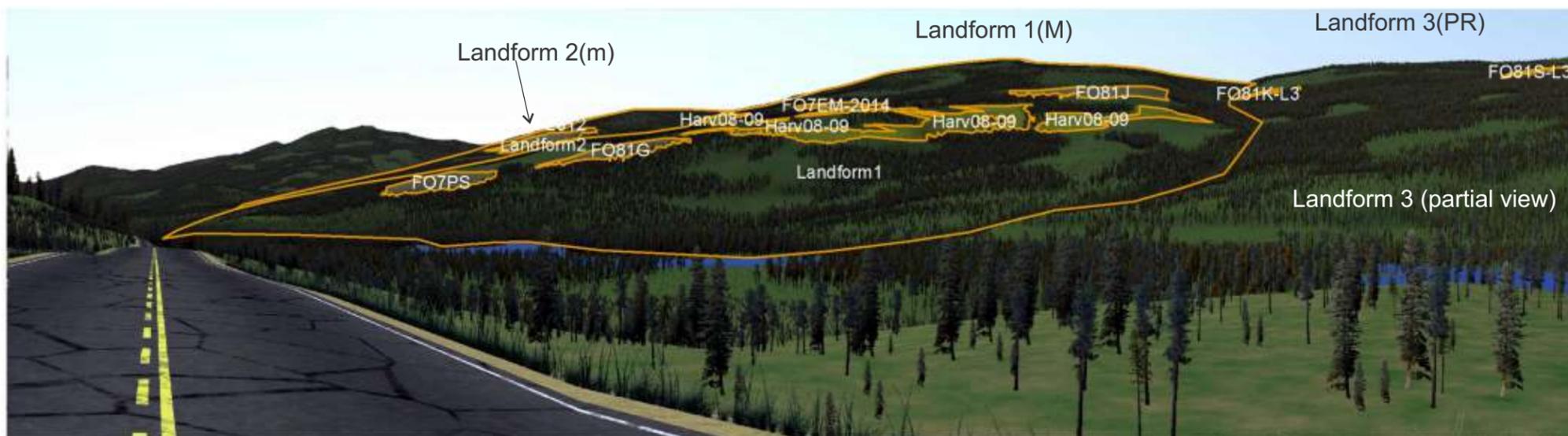
5302 pixel width VNS

| McCorvie Percent Alteration Landform 1 | | |
|--|----------|---------|
| Item | Area2 | %Alt L1 |
| Landform1 | 634671.5 | |
| FO7PS | 7400.8 | 1.2% |
| FO81G | 5933.9 | 0.9% |
| FO7EM-2014 | 1852.0 | 0.3% |
| Harv08-09 | 23632.0 | 3.7% |
| Harv08-09 | 300.9 | 0.0% |
| Harv08-09 | 752.6 | 0.1% |
| Harv08-09 | 8414.1 | 1.3% |
| Retained | 1161.7 | -0.2% |
| Harv08-09 | 1383.9 | 0.2% |
| FO81J | 6735.2 | 1.1% |
| Sum Alt L1 | 56405.4 | 8.9% |

| McCorvie Total Percent Alteration Landform 1+2 | | | |
|--|----------|---------|------------|
| | | %Alt L2 | %Alt L1+L2 |
| Landform2 | 26607.0 | | |
| CFP-2012 | 3969.2 | 14.9% | 0.6% |
| Sum L1+L2 | 661278.5 | | |
| Sum Alt L1+L2 | 60374.6 | | 9.1% |

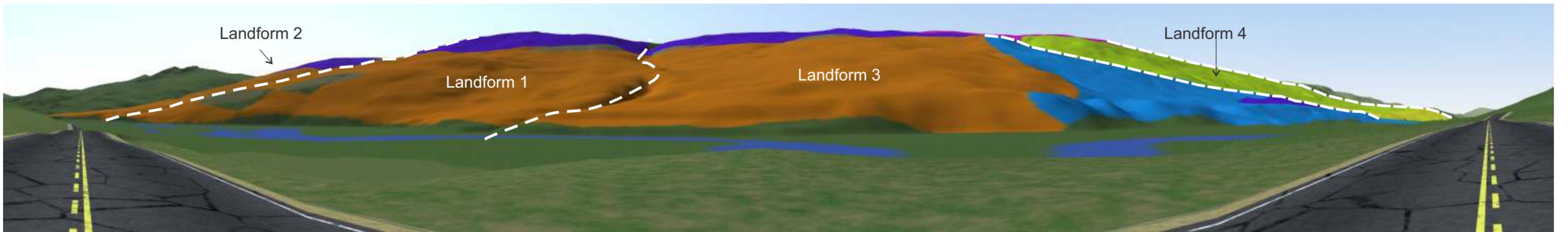
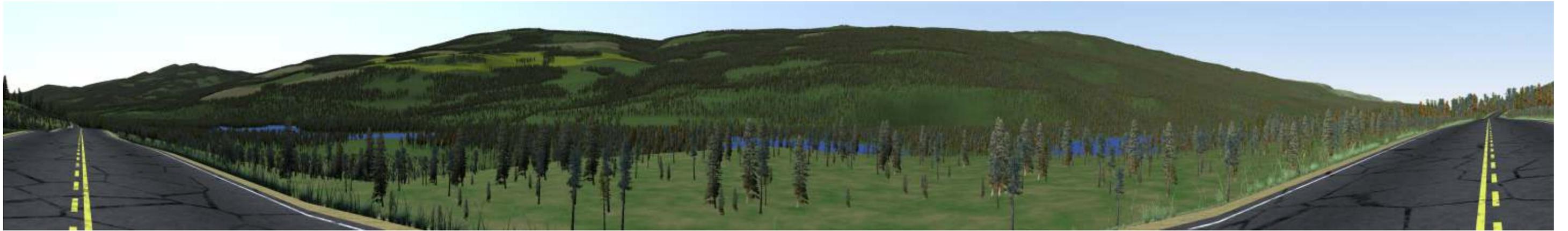
Landform 2 with existing CFP block presented for information only

Percent Alteration for Landform 3 not calculated
Partial representation only of landform in this rendering.
See Sandbox, p.6.

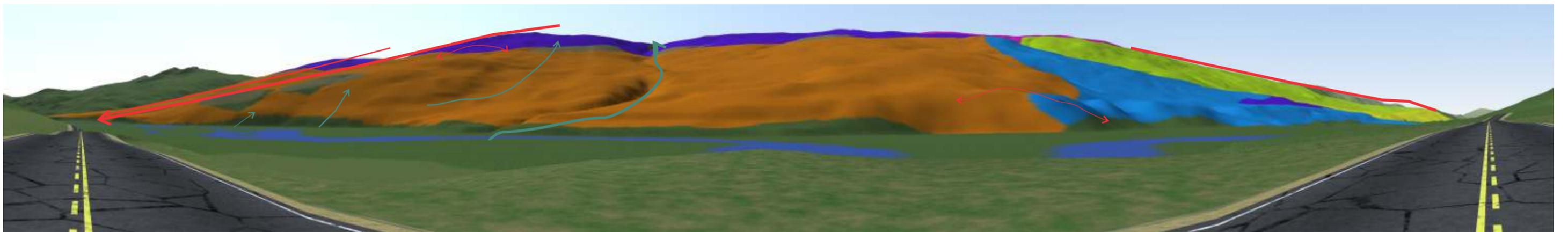


Updated to 151017

RDI Resource Design Inc
October, 2015

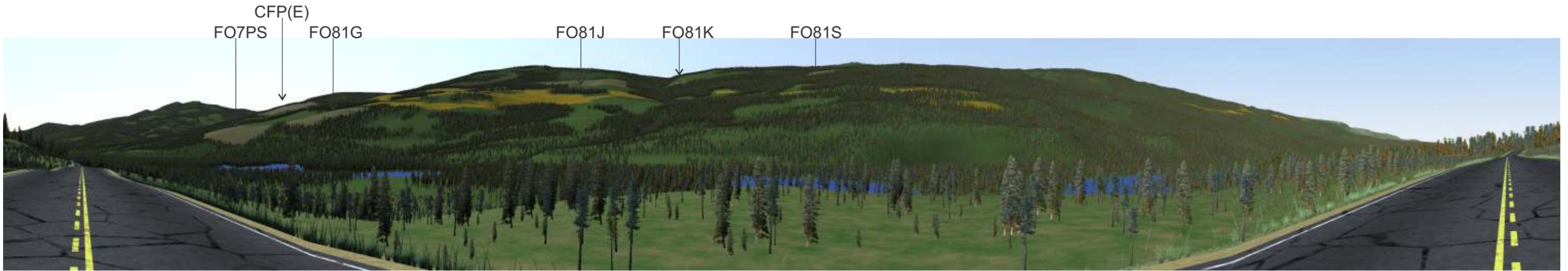


- VSU 1024 - Modification
- VSU 1191 - Modification
- VSU 1190 - Partial Retention
- VSU 1200 - Partial Retention



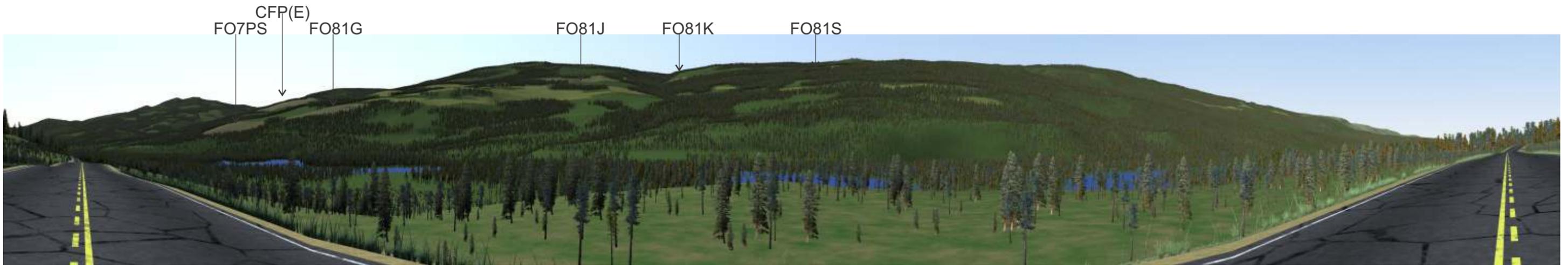
- Visual Force Convexity
- Visual Force Concavity

No Percent Alteration prepared for Landform 3 due small size of Fo8L9.



McCorvie original without RDI Leave. Existing nonVEG in orange.

9720



McCorvie with RDI Leave. Existing nonVEG in pale green.
Only Fo81K and Fo81S in L3. See also Sandbox.

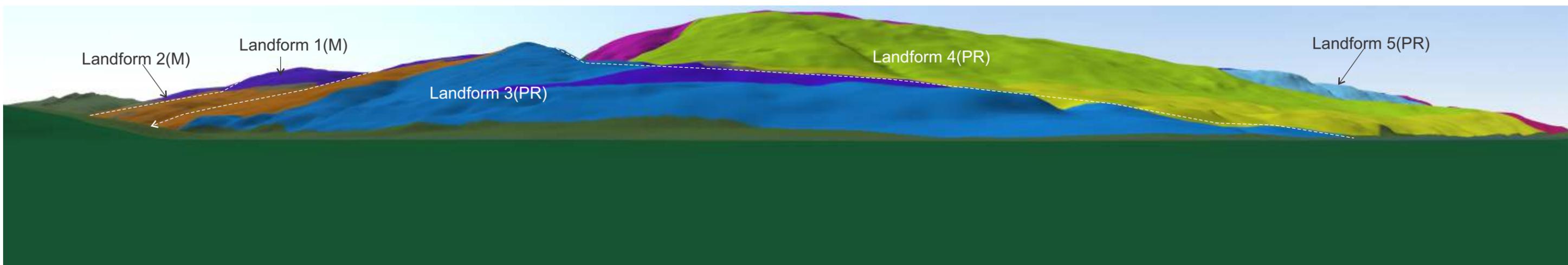
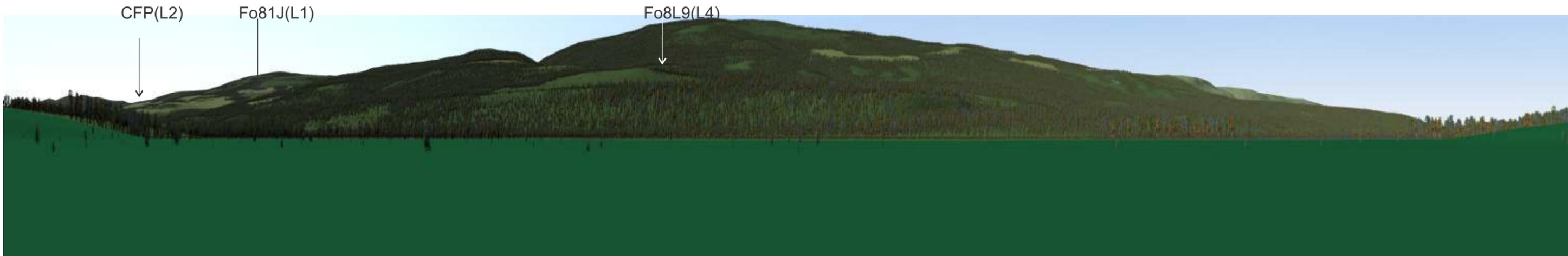
No Percent Alteration prepared for Landform 3 due small size of Fo8L9.

- Fo7PS - reduced angularity.
- Fo81G - reduced angularity
- Fo81J- reduced angularity
- Fo81S - reduced visibility

Note: Fo7PS and Fo81G considered in August VIA. For consistency, no further changes were made in this VIA.

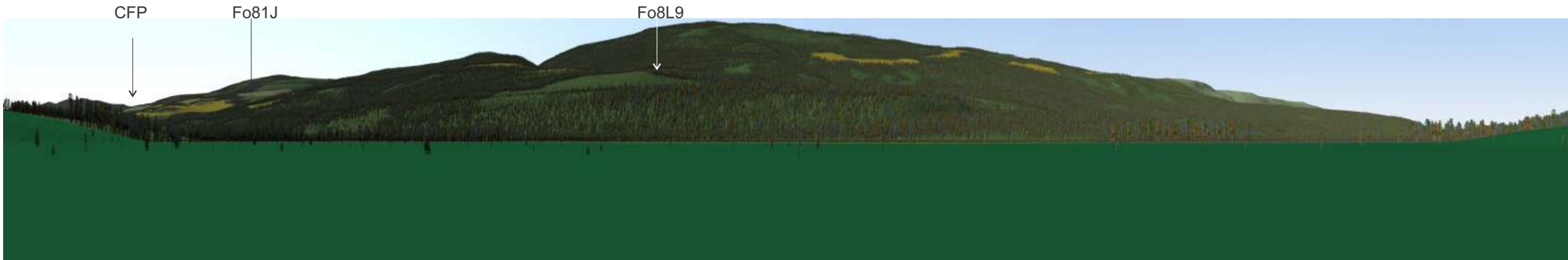
New blocks were not anticipated by RDI at that time.

Window in to view the distinctions between the two scenarios for Fo7PS, Fo81G, Fo81J, and Fo81S.



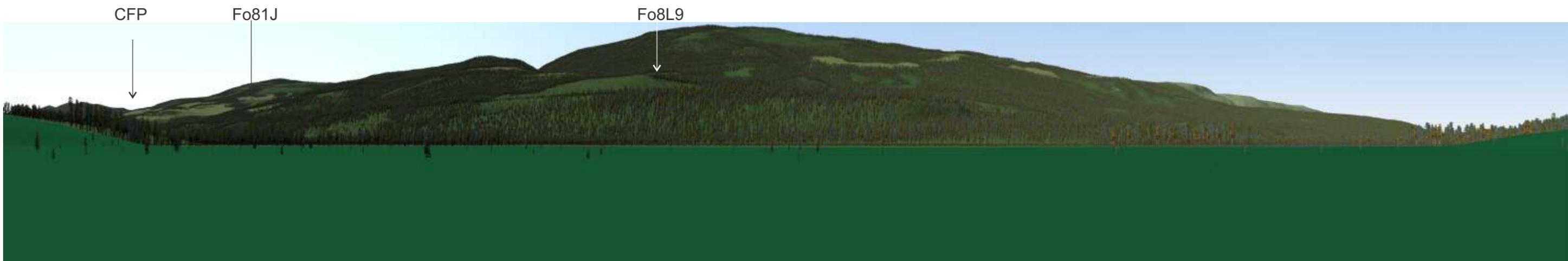
Fo8L9 only in L4. See McCorvie and Sandbox for L1 blocks.

No Percent Alteration prepared for Landform 3 due small size of Fo8L9.
See Sandbox, pp.5 - 7 for Fo81K and Fo81S Percent Alteration.



Birch original without RDI Leave. Existing nonVEG in orange.

9327

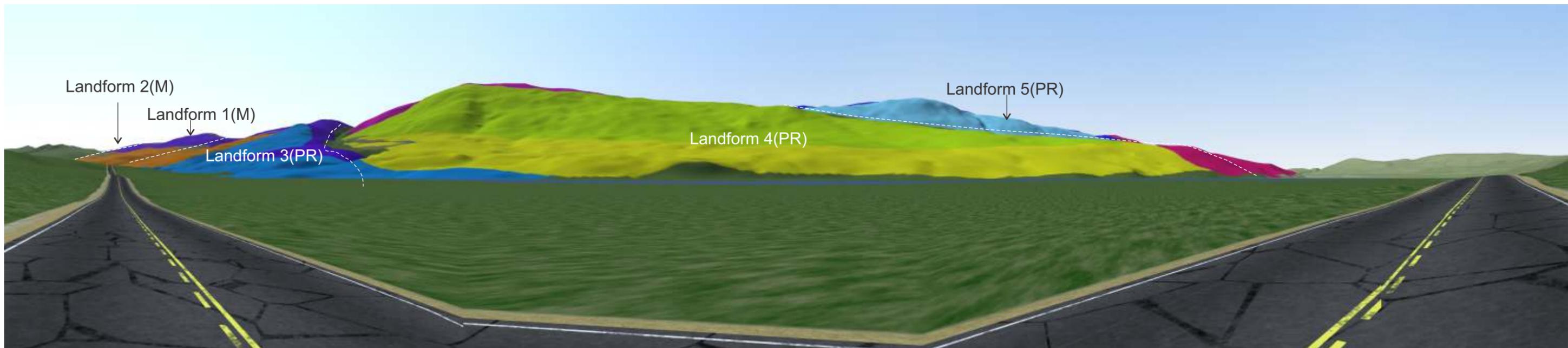
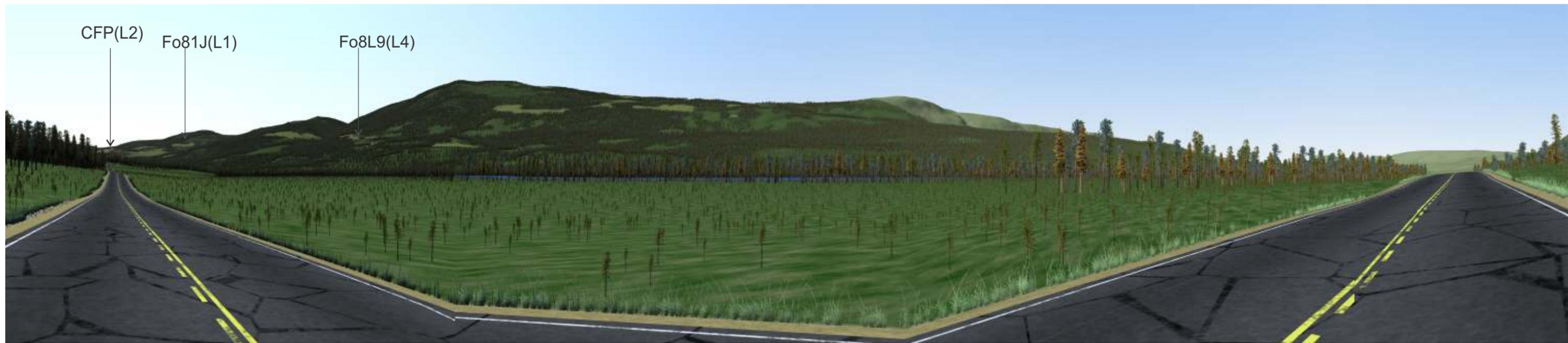


Birch with RDI Leave. Existing nonVEG in pale green.

No Percent Alteration prepared for Landform 3 due small size of Fo8L9.

Fo81J- reduced angularity

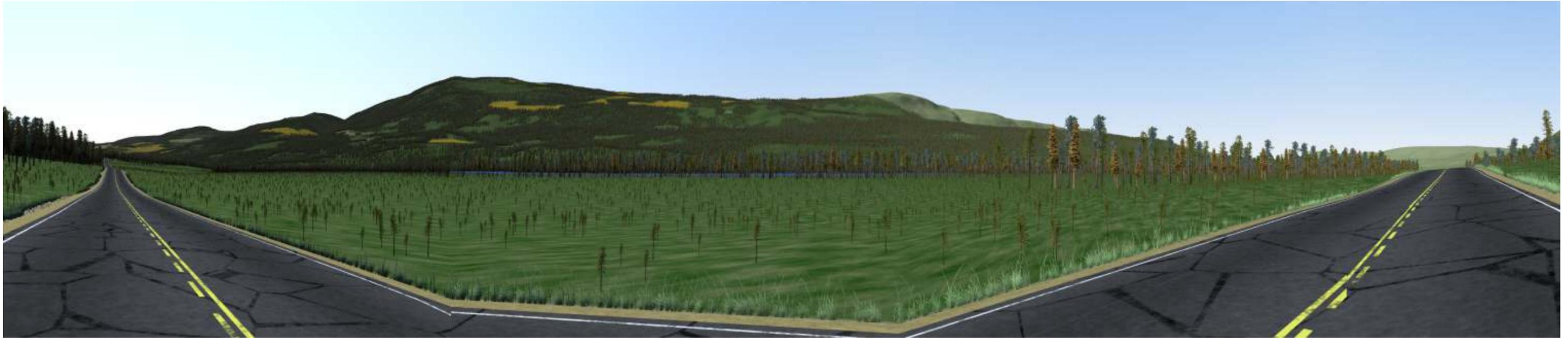
Window in to view the distinctions between the two scenarios for Fo81J.



Fo8L9 only in L4. See McCorvie and Sandbox for L1 and L3 blocks.

No Percent Alteration prepared for Landform 4 due small size of Fo8L9.

Miller Viewpoint VNS Simulations with Visual Sensitivity Units and Photography



Miller original without RDI Leave. Existing nonVEG in orange.

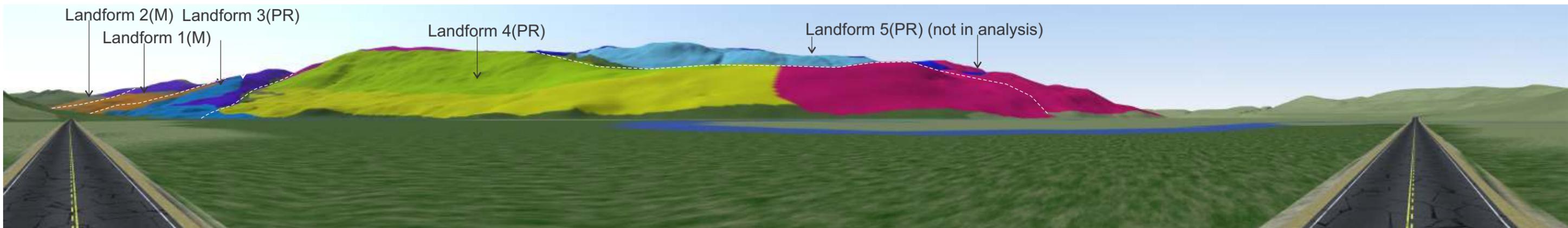
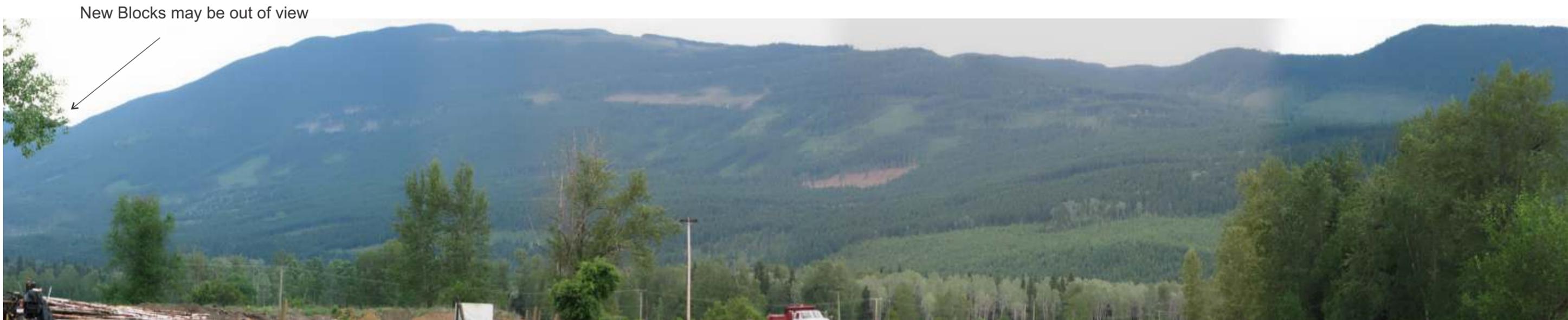
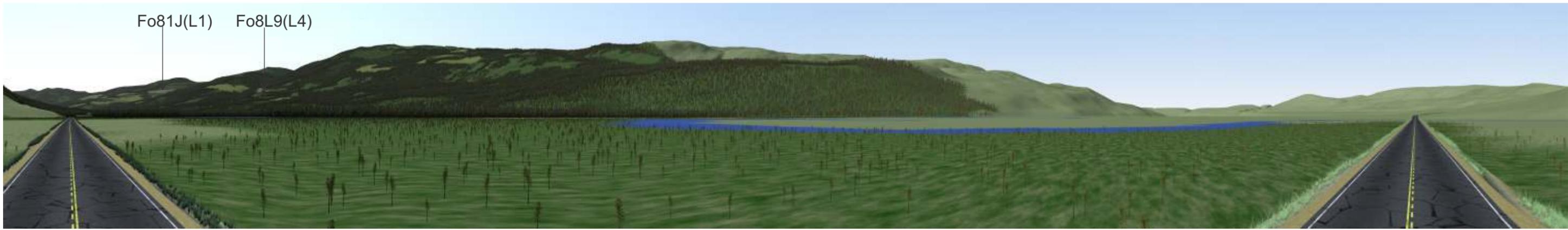
6676



Miller with RDI Leave. Existing nonVEG in pale green.

No Percent Alteration prepared for Landform 4 due small size of Fo8L9.

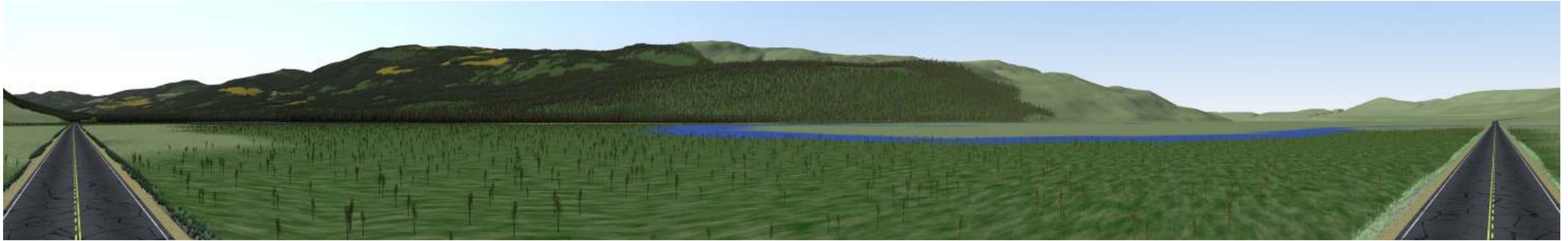
Fo81J- reduced angularity
 Window in to view the distinctions between the two scenarios for Fo81J.



Fo8L9 only in L4. See McCorvie and Sandbox for L1 and L3 blocks.

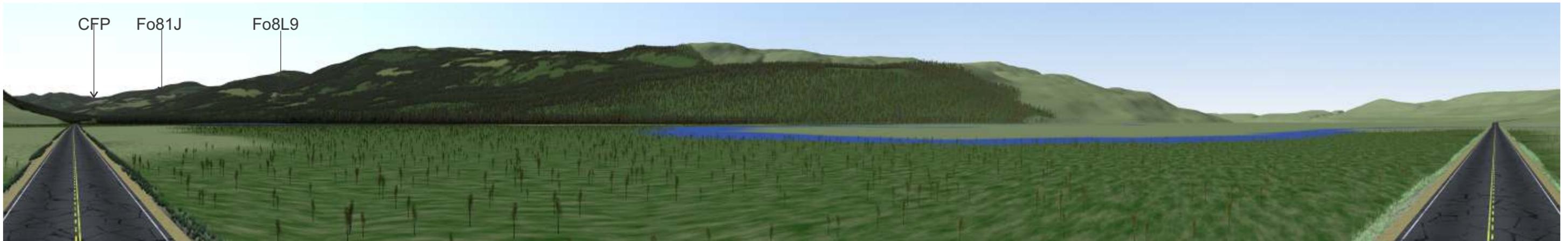
10015

No Percent Alteration prepared for Landform 4 due small size of Fo8L9.



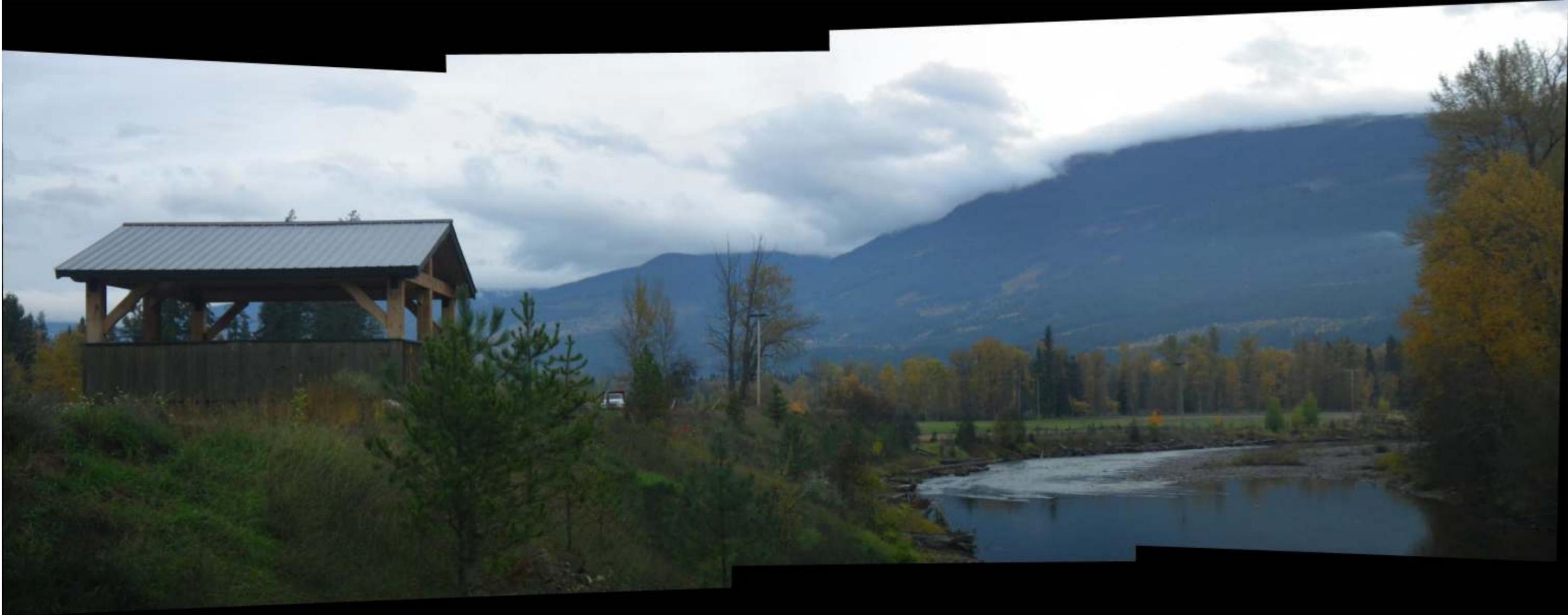
9425

Raft original without RDI Leave. Existing nonVEG in orange.



Raft with RDI Leave. Existing nonVEG in pale green.

Fo81J- reduced angularity
Window in to view the distinctions between the two scenarios for Fo81J.
No Percent Alteration prepared for Landform 4 due small size of Fo8L9.



Raft Photo