

Appendix G

Biological Resources Figures

This appendix includes figures referenced in Chapter 3, Section 3.4, *Biological Resources*, of the Draft EIS. These figures are:

- Figure G-1. Wildfire Hazard Potential
- Figure G-2. Sensitive Plant Species Habitat
- Figure G-3. Mexican Spotted Owl Habitat
- Figure G-4. Snowshoe Hare Seasonal Range
- Figure G-5. Bighorn Sheep Seasonal Range
- Figure G-6. Elk Seasonal Range
- Figure G-7. Moose Seasonal Range
- Figure G-8. Mule Deer Seasonal Range
- Figure G-9. Pronghorn Seasonal Range
- Figure G-10. Vegetation Communities

Figure G-1 through Figure G-9 consist of individual maps. Figure G-10 is a mapbook consisting of one index map and nine detailed map sheets. Figure G-10 depicts the biological resources field survey study area and vegetation communities in and around the study area. This figure reproduces at a smaller scale the vegetation community maps included in the *Biological Resources Baseline Environment Technical Memorandum: Uinta Basin Railway* (Technical Memorandum) (Coalition 2020).

Table G-1 provides a crosswalk between the nine sheets in Figure G-10 and the corresponding maps included in the Technical Memorandum Appendix B, Appendix C, and Appendix D.

Table G-1. Crosswalk between Maps in Figure G-10 and Technical Memorandum

Figure G-10 Sheets	Biological Resources Baseline Environmental Technical Memorandum		
	Indian Canyon Alternative (Appendix B)	Wells Draw Alternative (Appendix C)	Whitmore Park Alternative (Appendix D)
Sheet 1	1–35	1–36	1–45
Sheet 2	34–55	34–64	44–65
Sheet 3	51–71	--	61–81
Sheet 4	68–92	--	78–106
Sheet 5	86–116	179–182	96–130
Sheet 6	115–145	140–184	129–159
Sheet 7	--	63–112	--
Sheet 8	--	109–127	--
Sheet 9	--	126–142	--

Figure G-1. Wildfire Hazard Potential

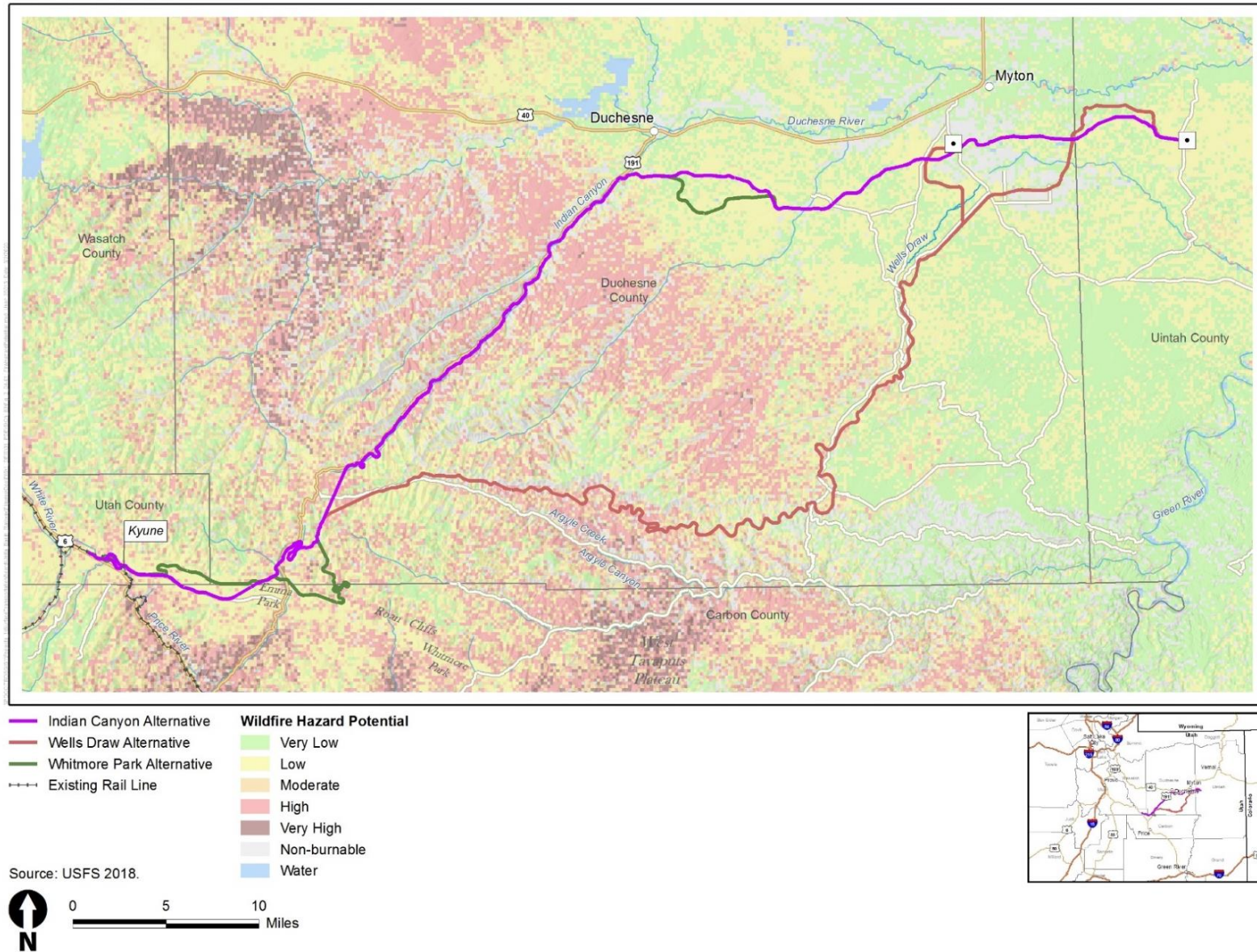


Figure G-2. Sensitive Plant Species Habitat

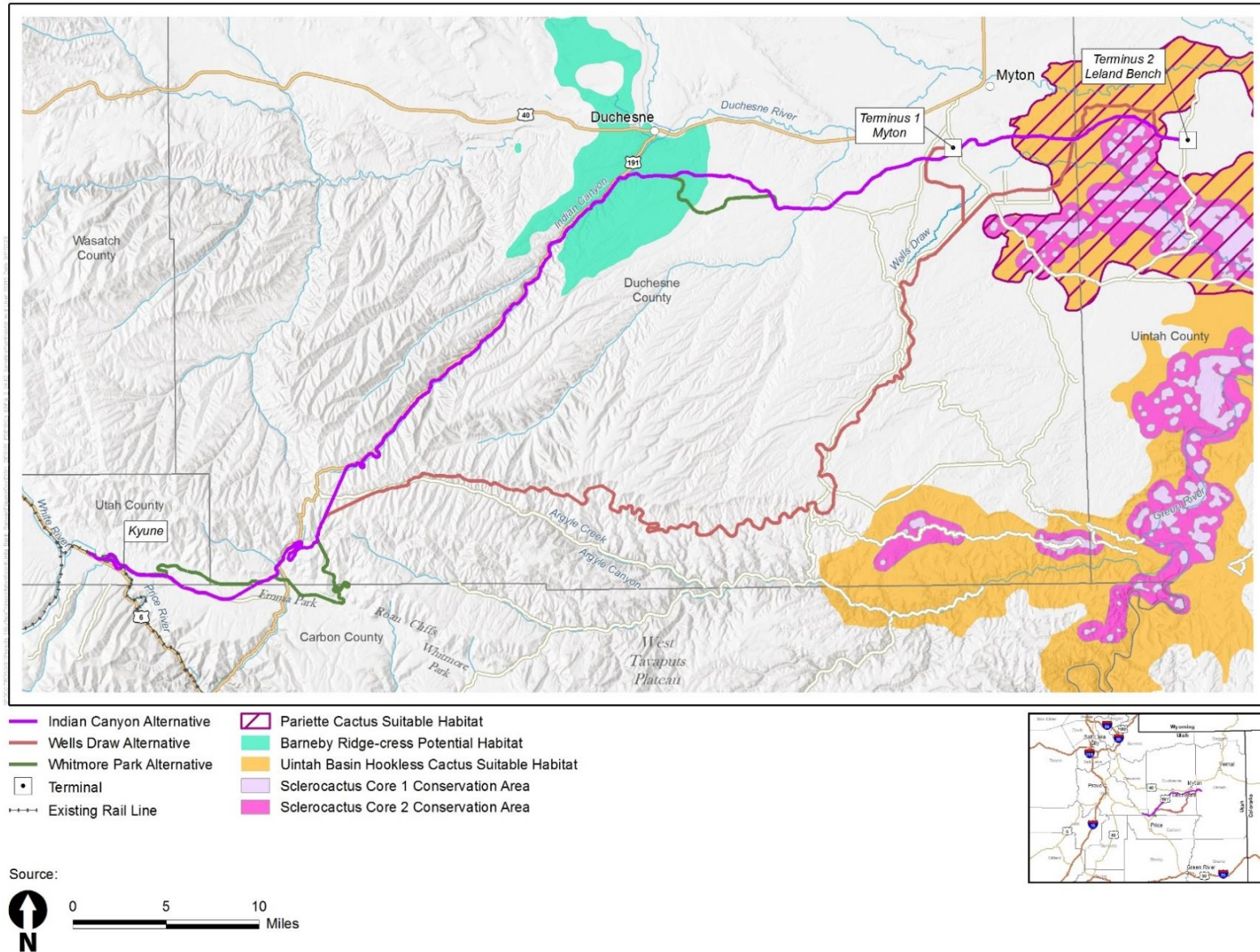


Figure G-3. Mexican Spotted Owl Habitat

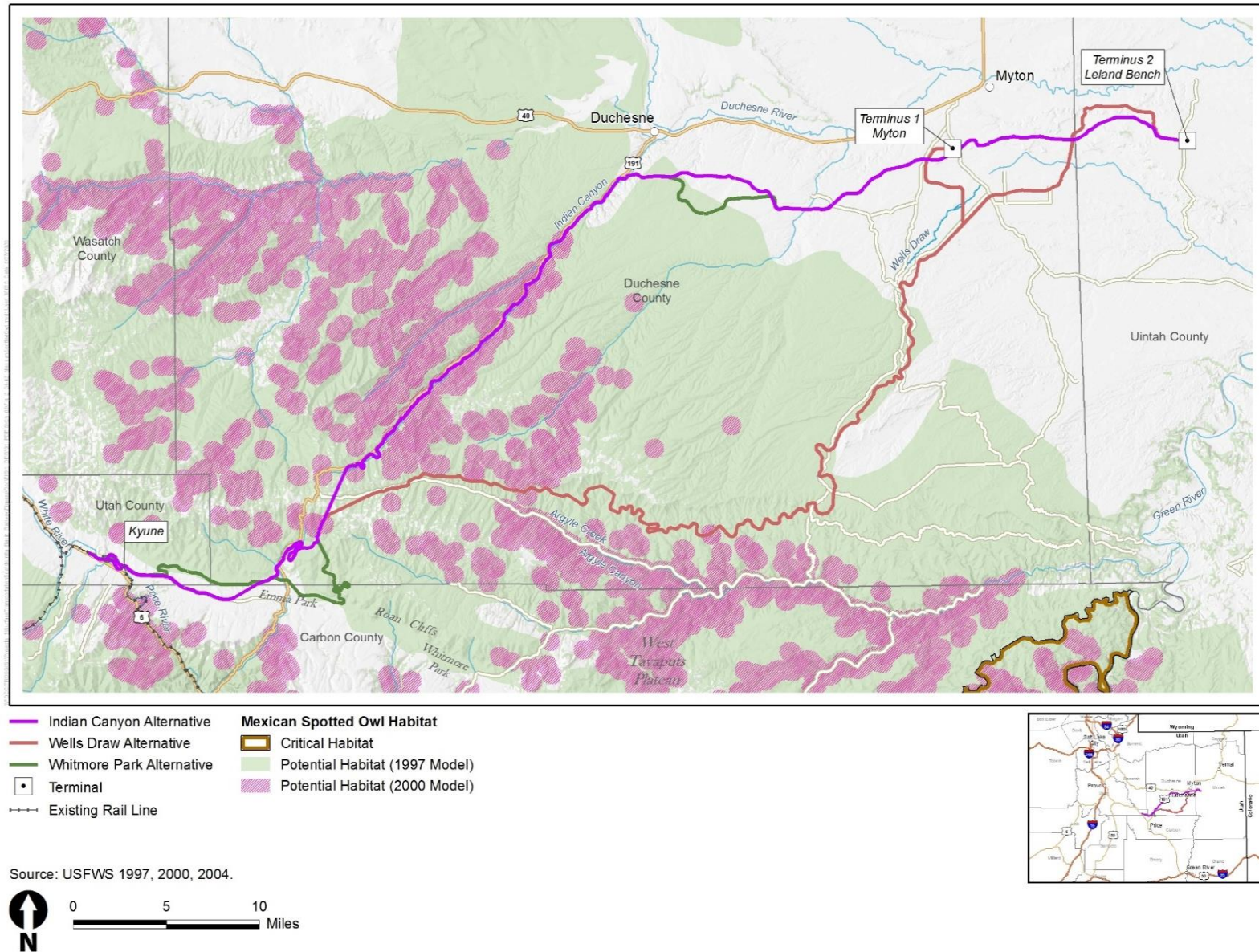


Figure G-4. Snowshoe Hare Seasonal Range

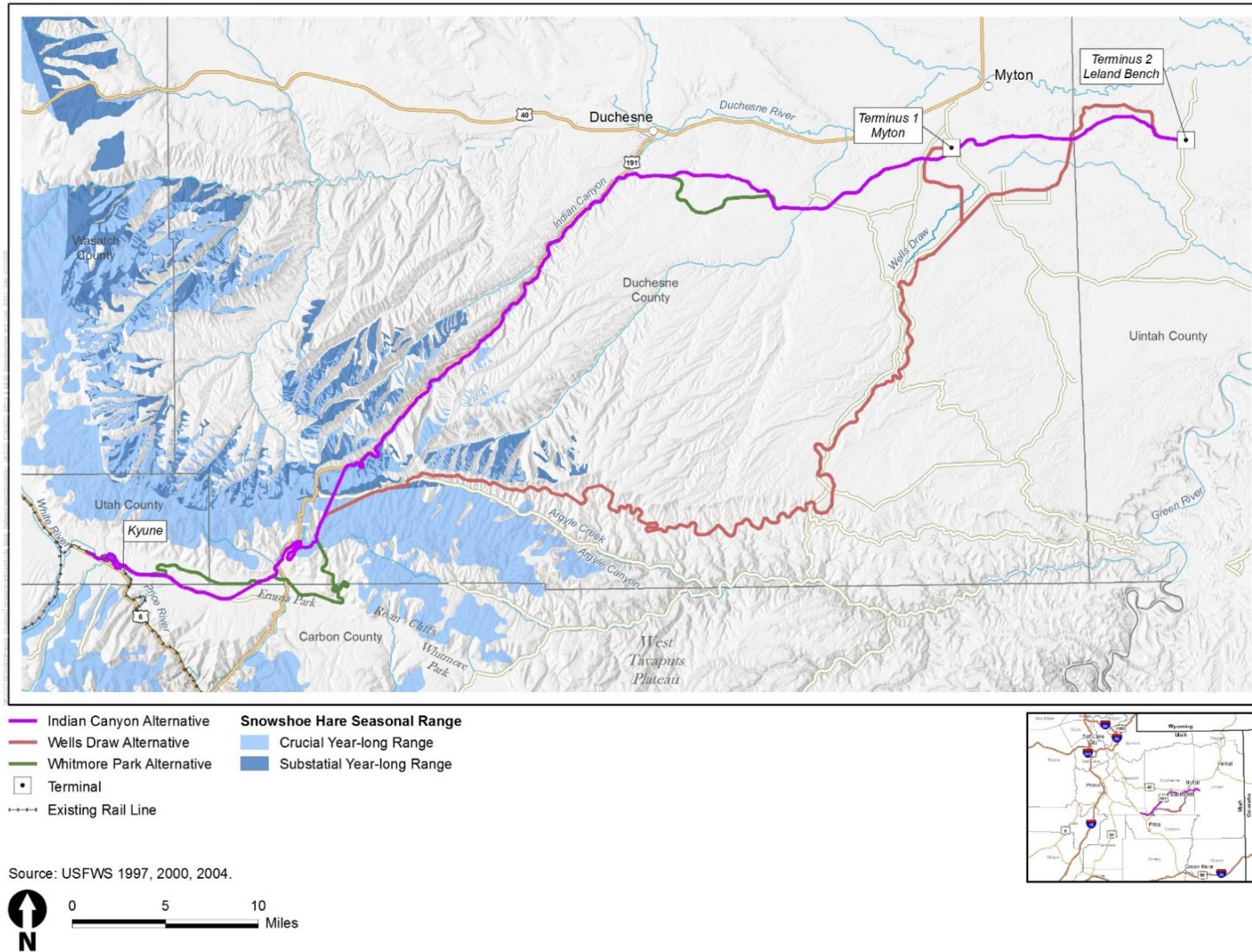


Figure G-5. Bighorn Sheep Seasonal Range

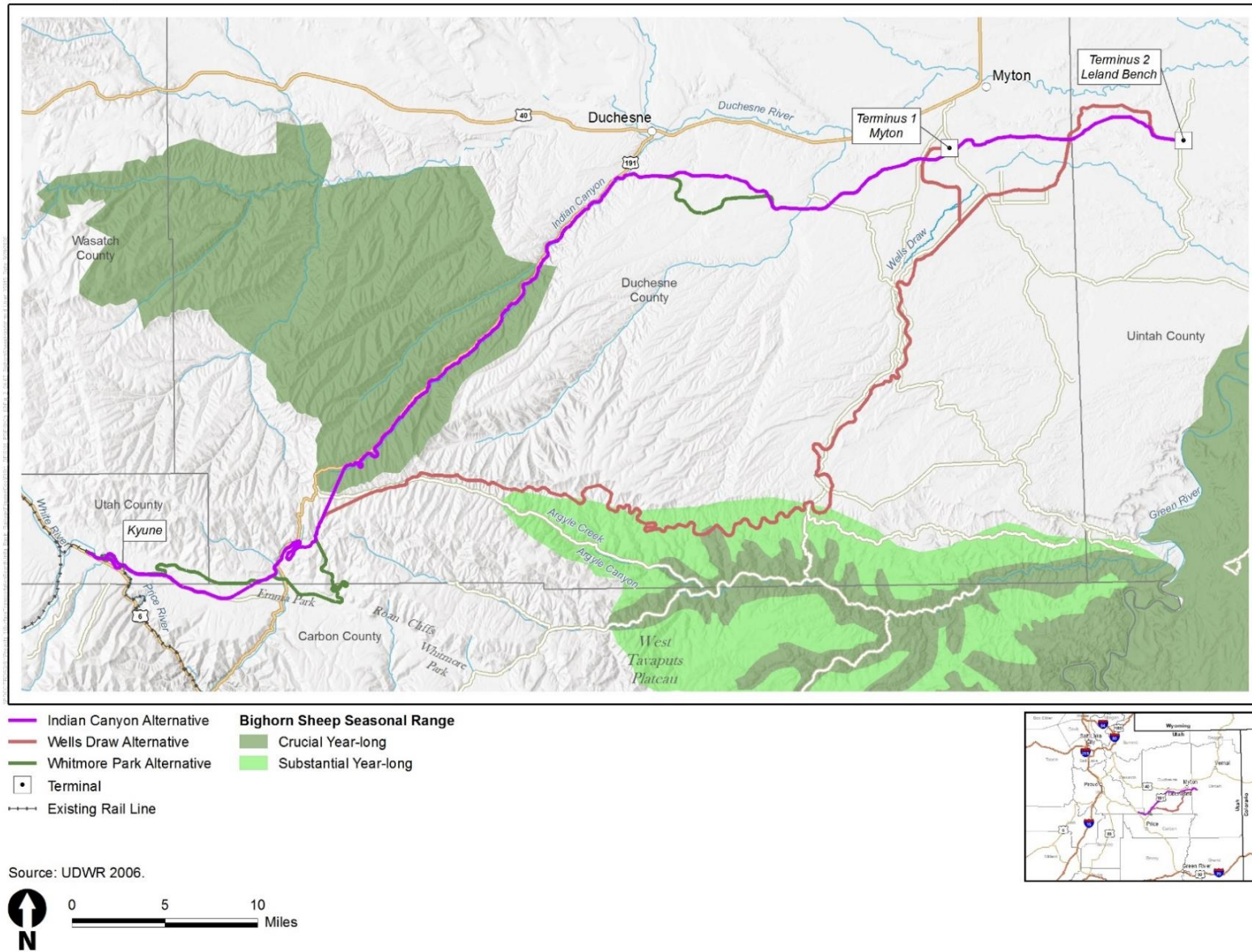


Figure G-6. Elk Seasonal Range

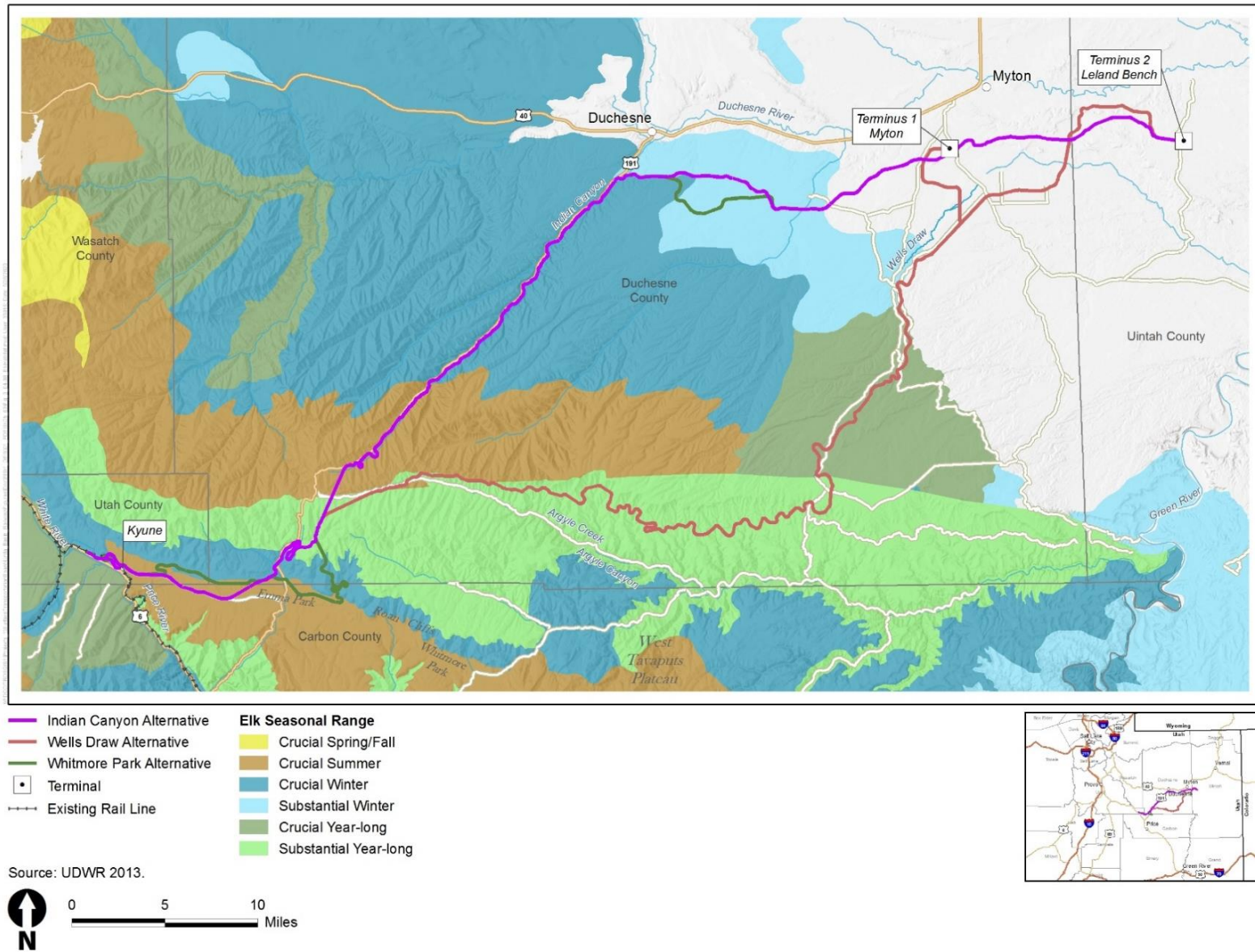


Figure G-7. Moose Seasonal Range

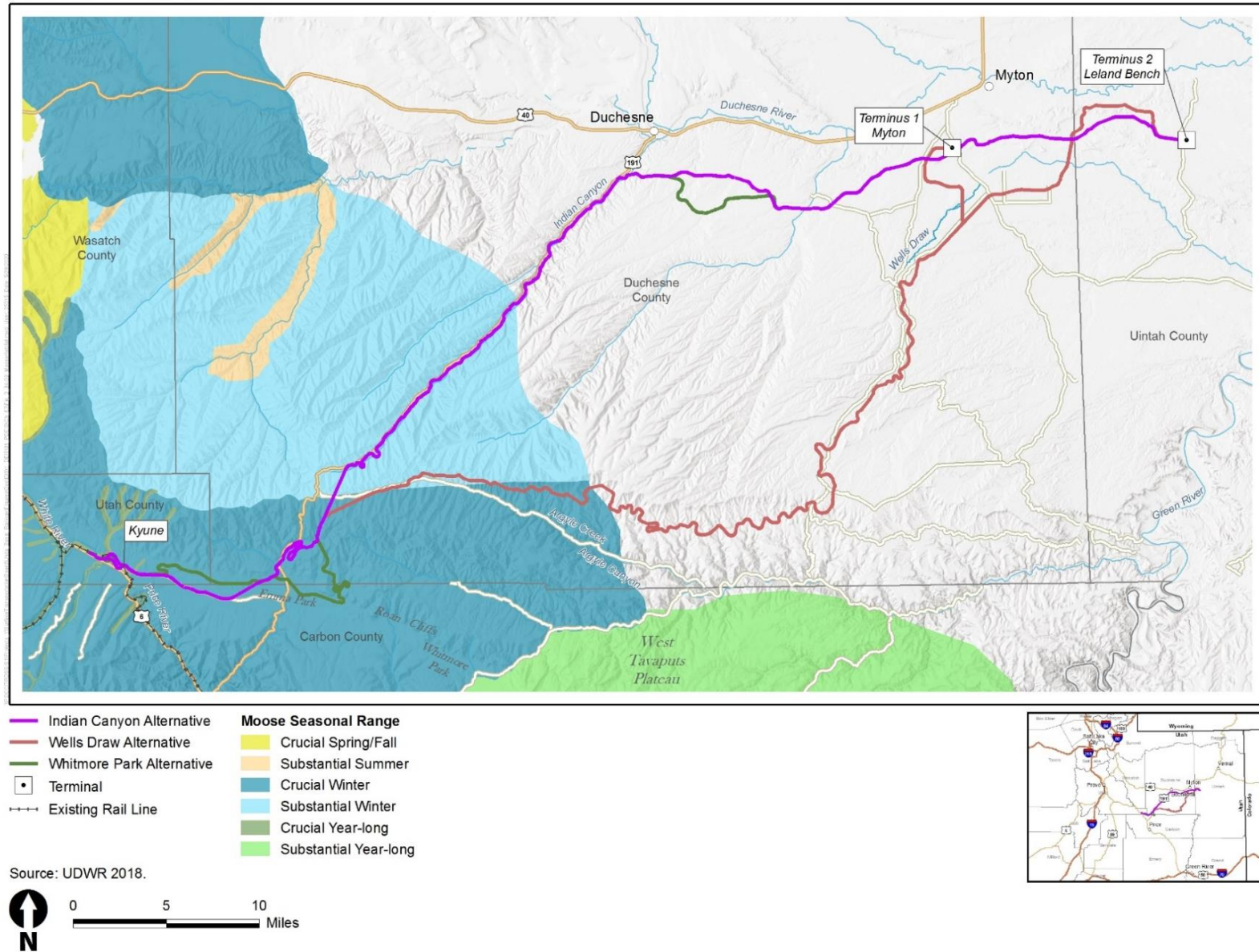


Figure G-8. Mule Deer Seasonal Range

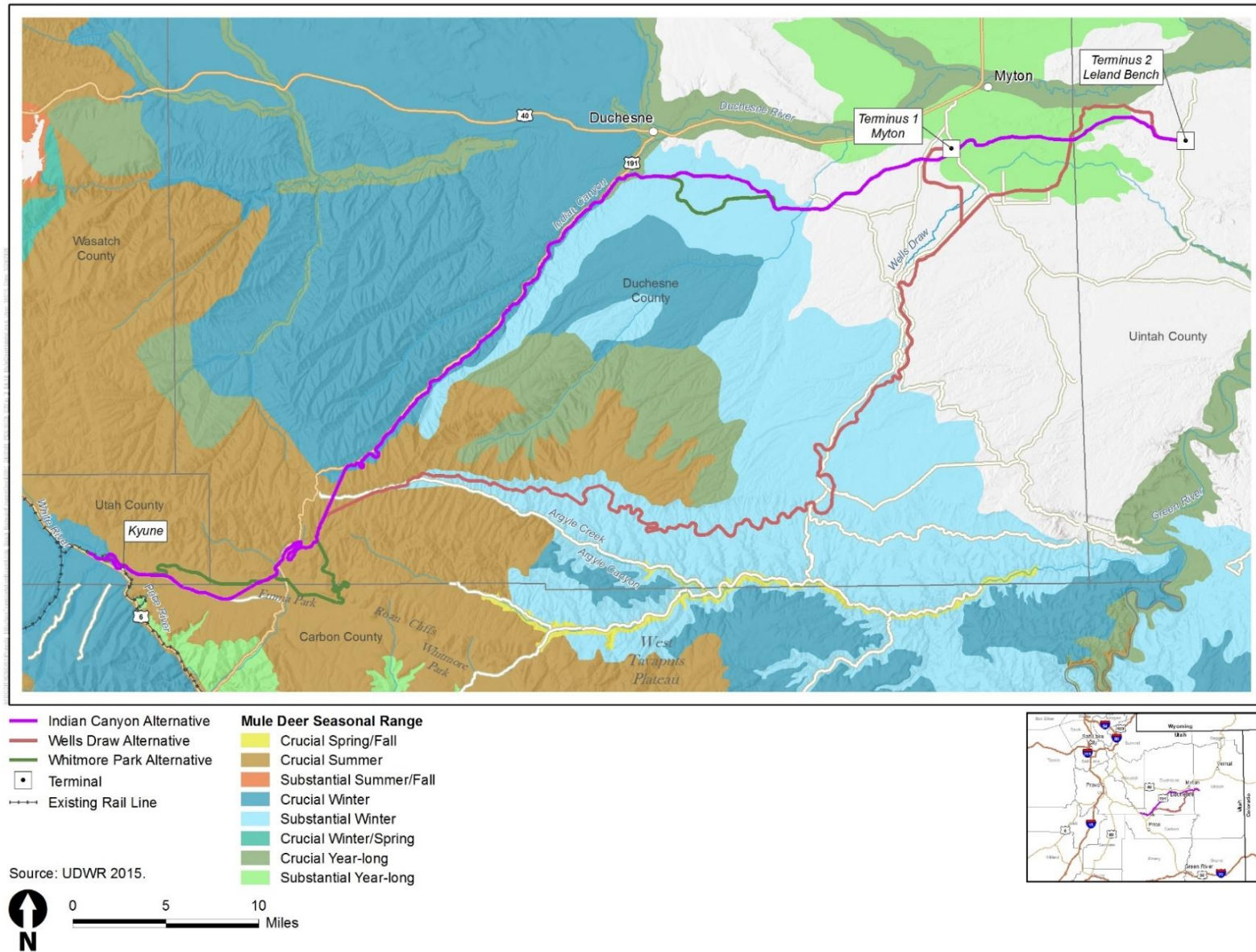
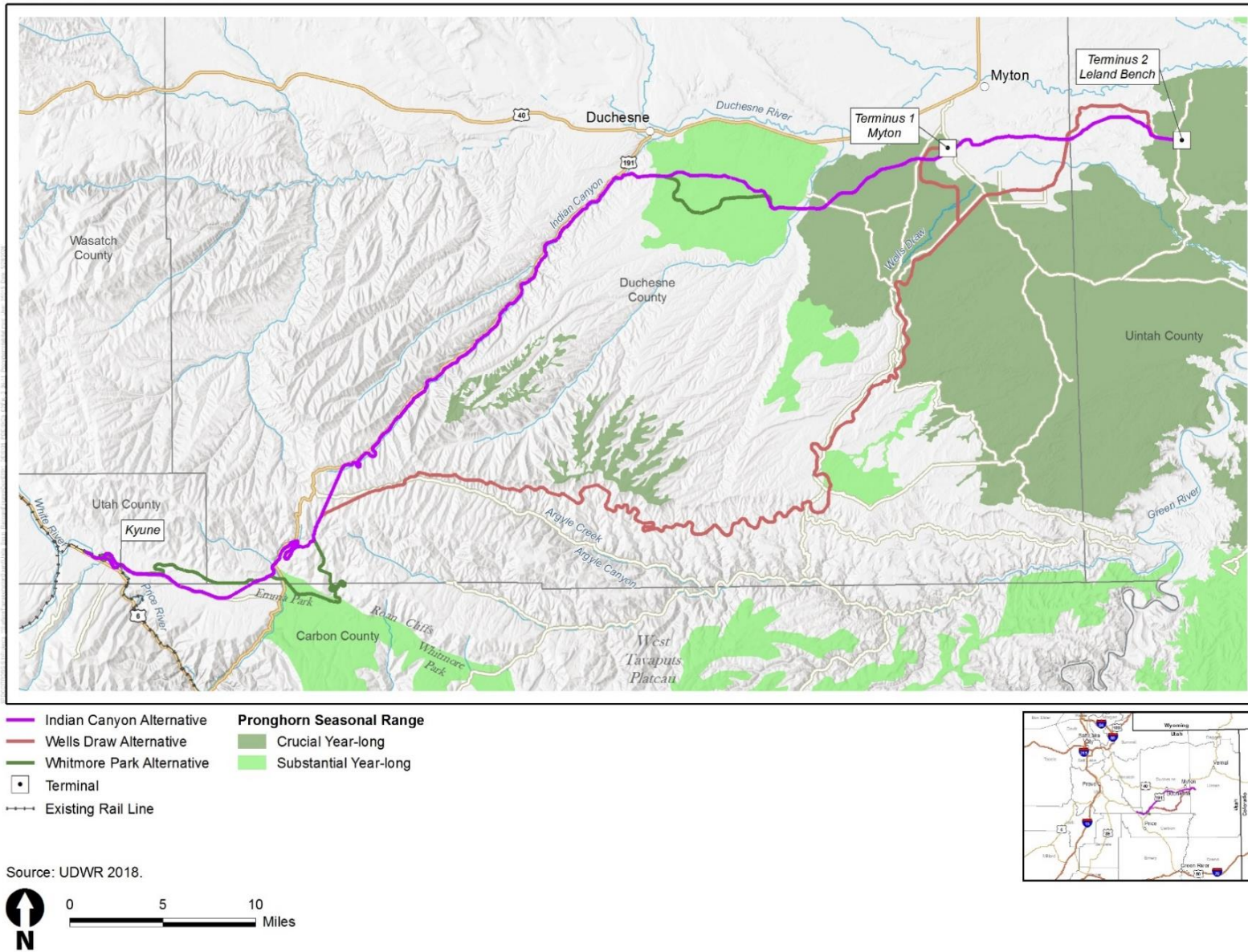


Figure G-9. Pronghorn Seasonal Range



References

Seven County Infrastructure Coalition (Coalition). 2020. *Biological Resources Baseline Environment Technical Memorandum: Uinta Basin Railway* (Technical Memorandum).

Figure G-10
Mapbook

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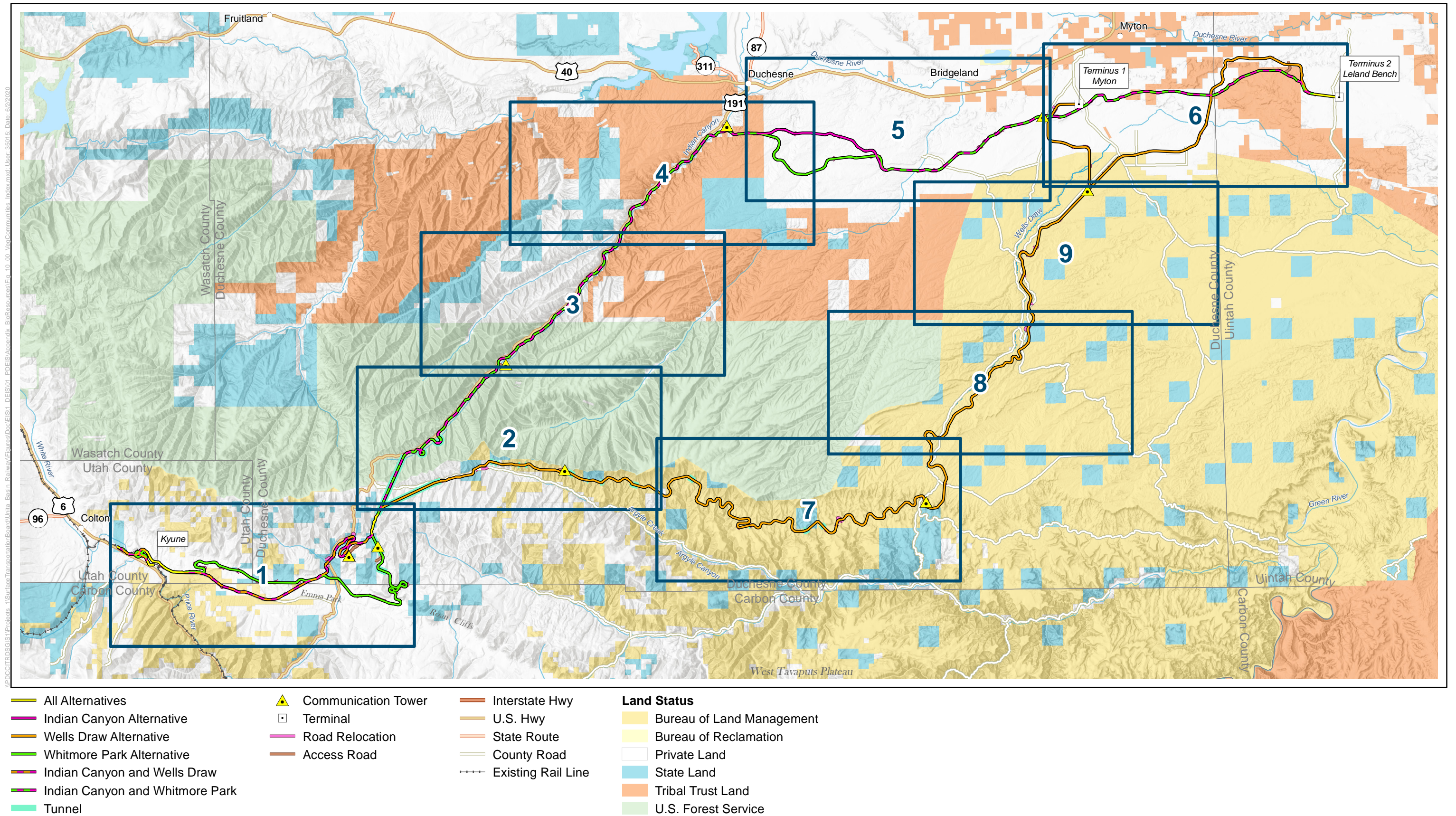


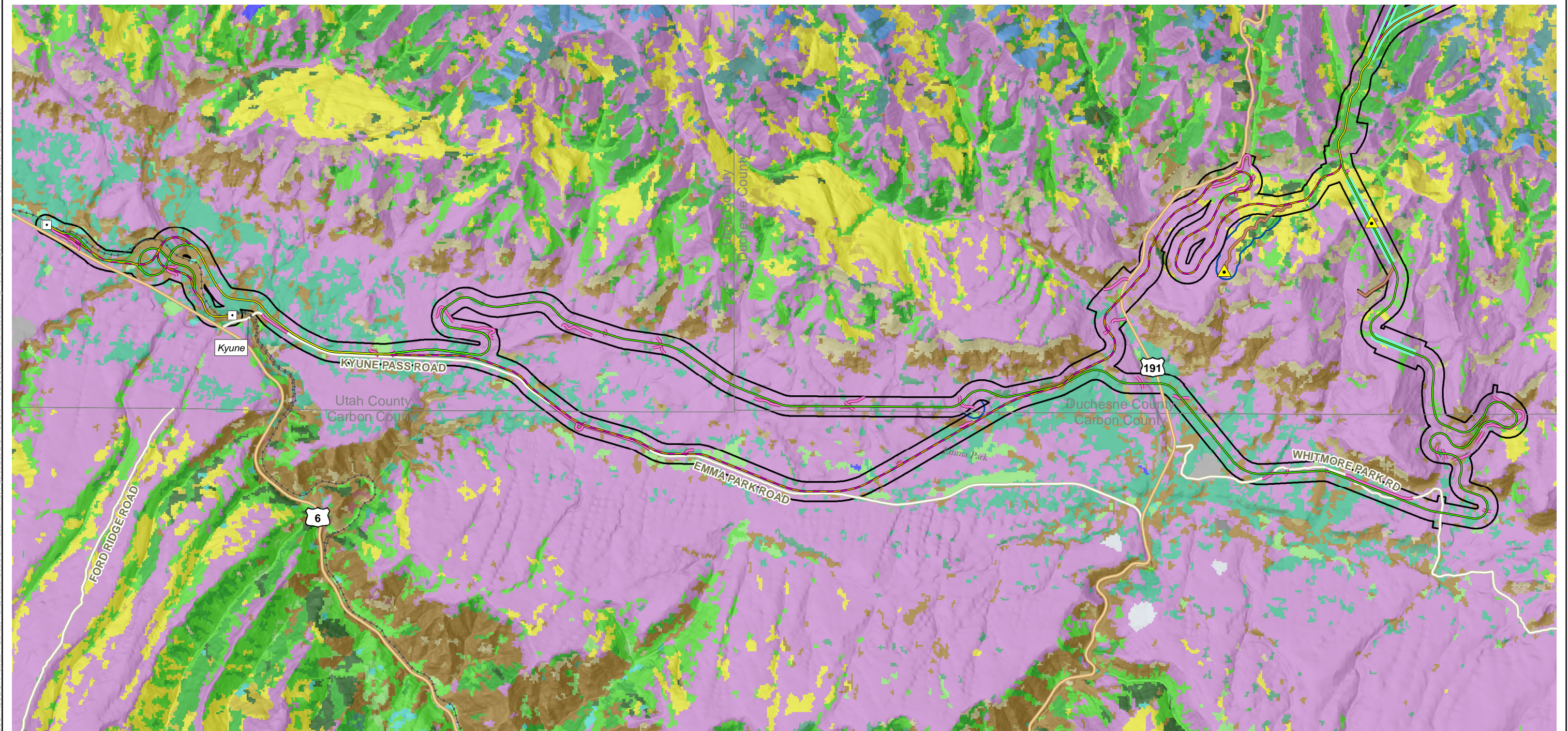
Figure 10. Vegetation Communities



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- All Alternatives
- Indian Canyon Alternative
- Wells Draw Alternative
- Whitmore Park Alternative
- Indian Canyon and Wells Draw
- Indian Canyon and Whitmore Park
- Terminal
- Tunnel

- Communication Tower
- Road Relocation
- Access Road
- Existing Rail Line
- Survey Study Area
- Supplemental Survey Study Area

Vegetation Communities

- | | |
|---|---|
| Colorado Plateau Mixed Bedrock Canyon and Tableland | Inter-Mountain West Aspen-Mixed Conifer Forest and Woodland Complex |
| Colorado Plateau Mixed Low Sagebrush Shrubland | Invasive Annual Grassland |
| Colorado Plateau Pinyon-Juniper Shrubland | Open Water |
| Colorado Plateau Pinyon-Juniper Woodland | Rocky Mountain Alpine-Montane Wet Meadow |
| Developed, Medium - High Intensity | Rocky Mountain Aspen Forest and Woodland |
| Developed, Open Space - Low Intensity | Rocky Mountain Cliff and Canyon |
| Disturbed, Oil well | Rocky Mountain Gambel Oak-Mixed Montane Shrubland |
| Inter-Mountain Basins Big Sagebrush Shrubland | Rocky Mountain Lower Montane Riparian Woodland and Shrubland |
| Inter-Mountain Basins Greasewood Flat | Rocky Mountain Montane Dry-Mesic Mixed Conifer Forest and Woodland |
| Inter-Mountain Basins Mixed Salt Desert Scrub | Rocky Mountain Montane Mesic Mixed Conifer Forest and Woodland |
| Inter-Mountain Basins Montane Sagebrush Steppe | Rocky Mountain Subalpine Dry-Mesic Spruce-Fir Forest and Woodland |
| Inter-Mountain Basins Semi-Desert Grassland | Rocky Mountain Subalpine Mesic Spruce-Fir Forest and Woodland |
| Inter-Mountain Basins Semi-Desert Shrub Steppe | Southern Rocky Mountain Montane-Subalpine Grassland |

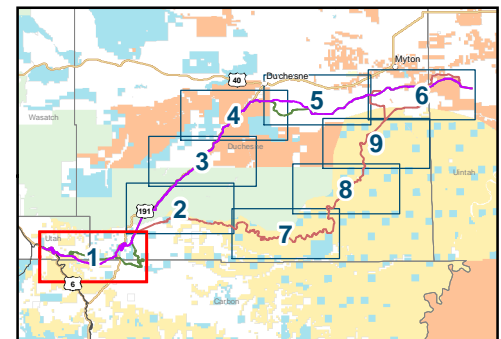


Figure 10. Vegetation Communities
Sheet 1 of 9



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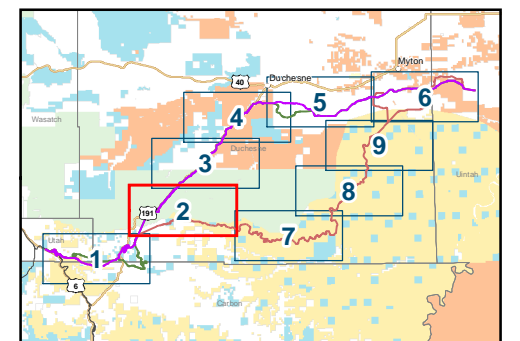


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|---------------------------------|--------------------------------|
| All Alternatives | Communication Tower |
| Indian Canyon Alternative | Road Relocation |
| Wells Draw Alternative | Access Road |
| Whitmore Park Alternative | Existing Rail Line |
| Indian Canyon and Wells Draw | Survey Study Area |
| Indian Canyon and Whitmore Park | Supplemental Survey Study Area |
| Terminal | |
| Tunnel | |

Vegetation Communities

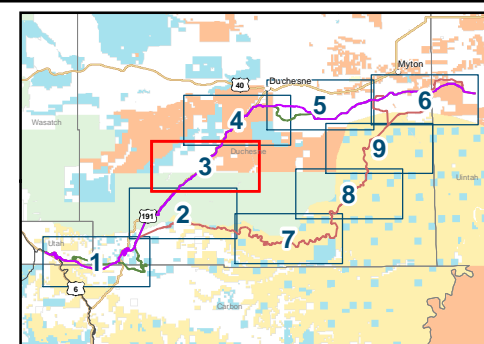
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|---|
| Colorado Plateau Mixed Bedrock Canyon and Tableland |
| Colorado Plateau Mixed Low Sagebrush Shrubland |
| Colorado Plateau Pinyon-Juniper Shrubland |
| Colorado Plateau Pinyon-Juniper Woodland |
| Inter-Mountain Basins Big Sagebrush Shrubland |
| Inter-Mountain Basins Mixed Salt Desert Scrub |
| Inter-Mountain Basins Montane Sagebrush Steppe |
| Inter-Mountain Basins Semi-Desert Grassland |
| Inter-Mountain Basins Semi-Desert Shrub Steppe |
| Inter-Mountain West Aspen-Mixed Conifer Forest and Woodland Complex |
| Invasive Annual Grassland |



- | |
|--|
| Recently Chained Pinyon-Juniper Areas |
| Rocky Mountain Alpine-Montane Wet Meadow |
| Rocky Mountain Aspen Forest and Woodland |
| Rocky Mountain Cliff and Canyon |
| Rocky Mountain Gambel Oak-Mixed Montane Shrubland |
| Rocky Mountain Montane Dry-Mesic Mixed Conifer Forest and Woodland |
| Rocky Mountain Montane Mesic Mixed Conifer Forest and Woodland |
| Rocky Mountain Subalpine Dry-Mesic Spruce-Fir Forest and Woodland |
| Rocky Mountain Subalpine Mesic Spruce-Fir Forest and Woodland |
| Southern Rocky Mountain Montane-Subalpine Grassland |



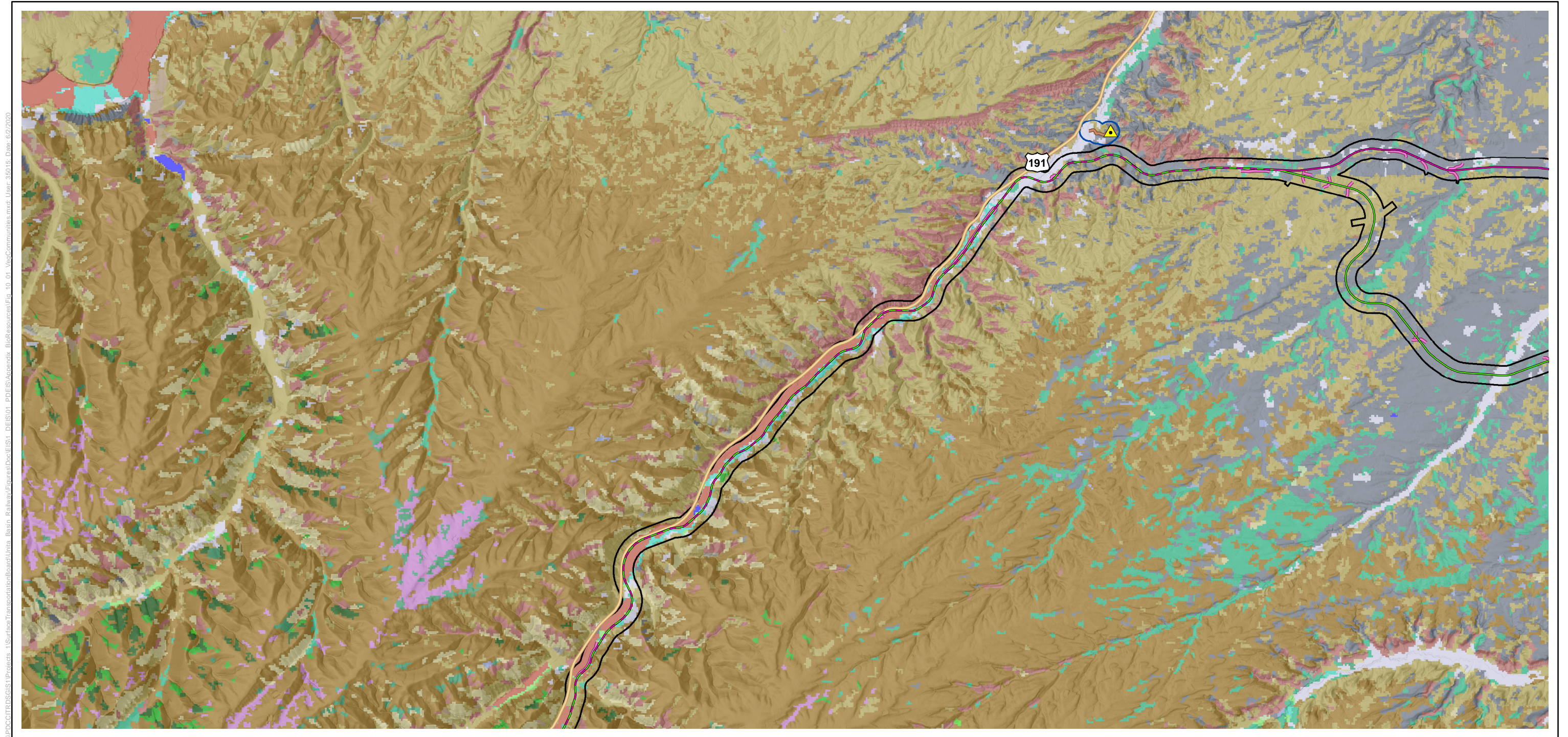
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Figure 10. Vegetation Communities
Sheet 2 of 9





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- All Alternatives
- Indian Canyon Alternative
- Wells Draw Alternative
- Whitmore Park Alternative
- Indian Canyon and Wells Draw
- Indian Canyon and Whitmore Park
- Terminal
- Tunnel
- ▲ Communication Tower
- Road Relocation
- Access Road
- Existing Rail Line
- Survey Study Area
- Supplemental Survey Study Area

Vegetation Communities

- Agriculture
- Colorado Plateau Mixed Bedrock Canyon and Tableland
- Colorado Plateau Mixed Low Sagebrush Shrubland
- Colorado Plateau Pinyon-Juniper Shrubland
- Colorado Plateau Pinyon-Juniper Woodland
- Developed, Medium - High Intensity
- Inter-Mountain Basins Big Sagebrush Shrubland
- Inter-Mountain Basins Greasewood Flat
- Inter-Mountain Basins Mat Saltbush Shrubland
- Inter-Mountain Basins Mixed Salt Desert Scrub
- Inter-Mountain Basins Montane Sagebrush Steppe
- Inter-Mountain Basins Semi-Desert Grassland
- Inter-Mountain Basins Semi-Desert Shrub Steppe
- Invasive Annual Grassland
- Invasive Southwest Riparian Woodland and Shrubland
- Open Water
- Rocky Mountain Alpine-Montane Wet Meadow
- Rocky Mountain Cliff and Canyon
- Rocky Mountain Gambel Oak-Mixed Montane Shrubland
- Rocky Mountain Lower Montane Riparian Woodland and Shrubland
- Rocky Mountain Montane Dry-Mesic Mixed Conifer Forest and Woodland
- Rocky Mountain Montane Mesic Mixed Conifer Forest and Woodland
- Southern Rocky Mountain Montane-Subalpine Grassland

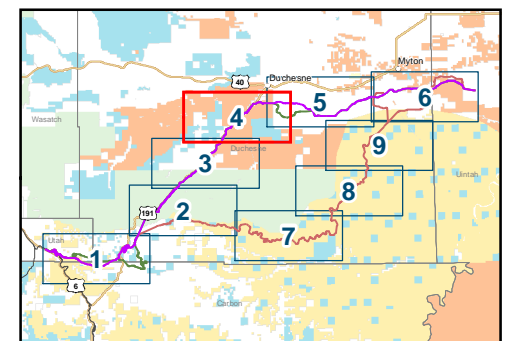
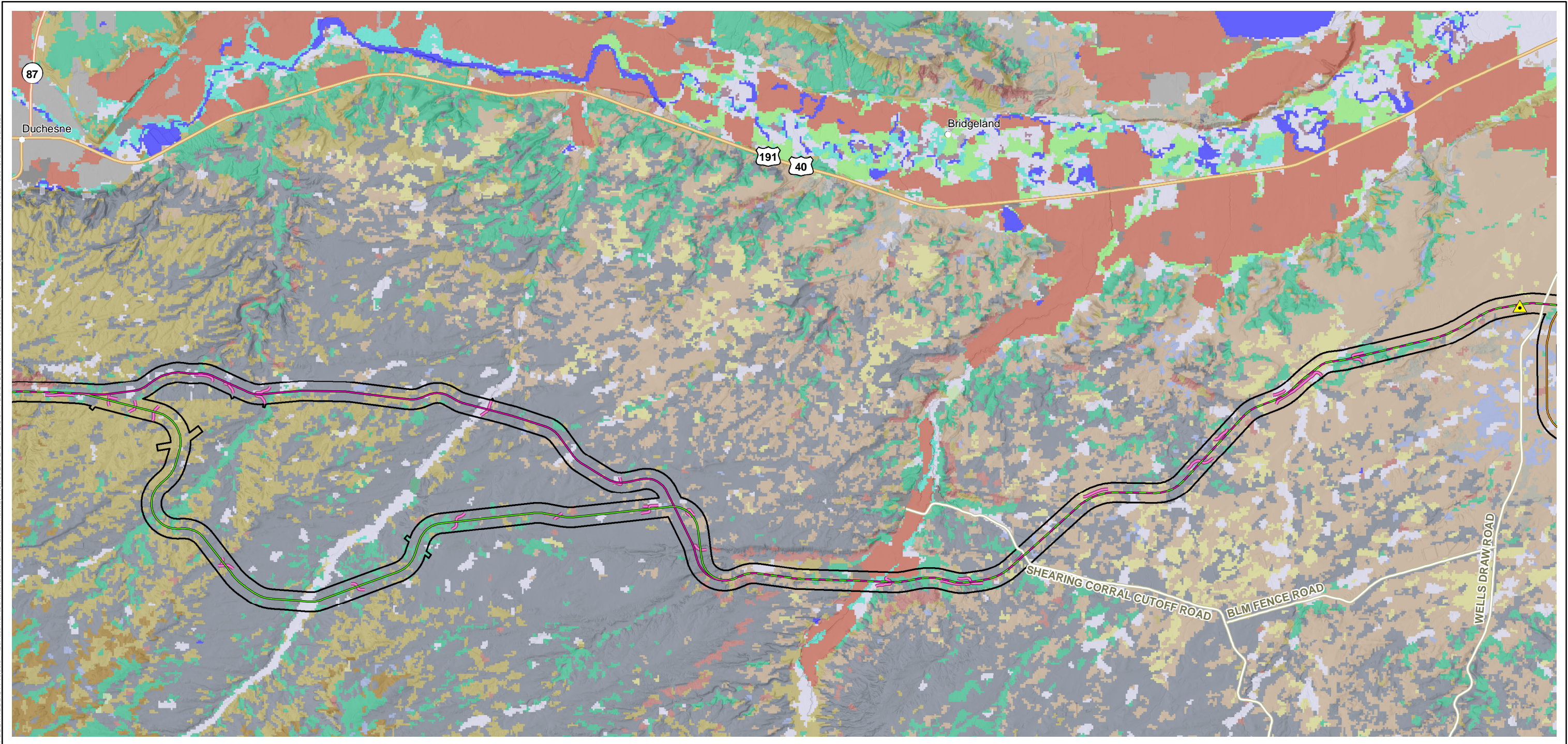


Figure 10. Vegetation Communities
Sheet 4 of 9

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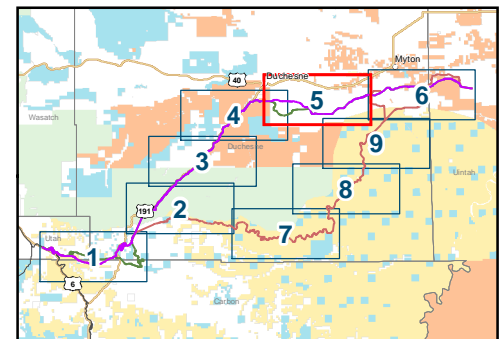


- All Alternatives
- Indian Canyon Alternative
- Wells Draw Alternative
- Whitmore Park Alternative
- Indian Canyon and Wells Draw
- Indian Canyon and Whitmore Park
- Terminal
- Tunnel

- Communication Tower
- Road Relocation
- Access Road
- Existing Rail Line
- Survey Study Area
- Supplemental Survey Study Area

Vegetation Communities

- | | |
|---|--|
| Agriculture | Inter-Mountain Basins Semi-Desert Grassland |
| Colorado Plateau Mixed Bedrock Canyon and Tableland | Inter-Mountain Basins Semi-Desert Shrub Steppe |
| Colorado Plateau Mixed Low Sagebrush Shrubland | Inter-Mountain Basins Shale Badland |
| Colorado Plateau Pinyon-Juniper Shrubland | Invasive Annual Grassland |
| Colorado Plateau Pinyon-Juniper Woodland | Invasive Southwest Riparian Woodland and Shrubland |
| Developed, Medium - High Intensity | Open Water |
| Developed, Open Space - Low Intensity | Rocky Mountain Alpine-Montane Wet Meadow |
| Inter-Mountain Basins Big Sagebrush Shrubland | Rocky Mountain Cliff and Canyon |
| Inter-Mountain Basins Greasewood Flat | Rocky Mountain Lower Montane Riparian Woodland and Shrubland |
| Inter-Mountain Basins Mat Saltbush Shrubland | Southern Rocky Mountain Montane-Subalpine Grassland |
| Inter-Mountain Basins Mixed Salt Desert Scrub | |



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Figure 10. Vegetation Communities
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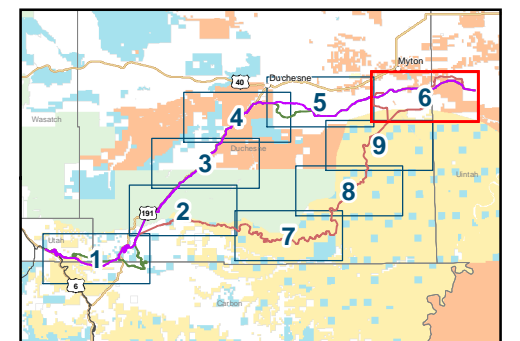
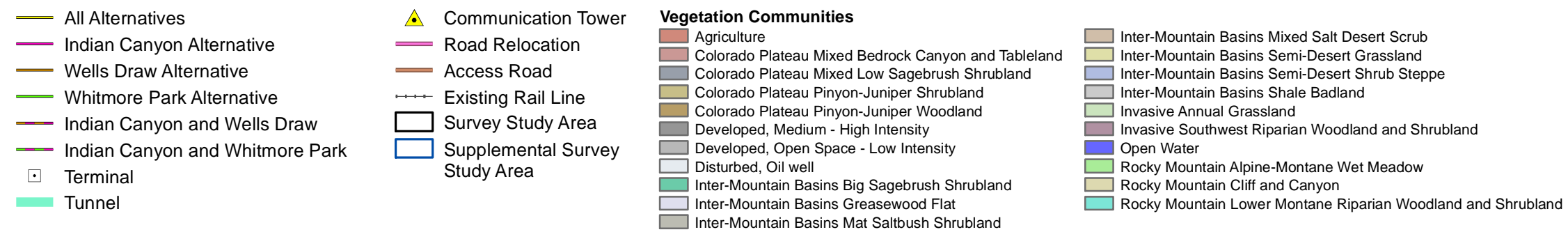
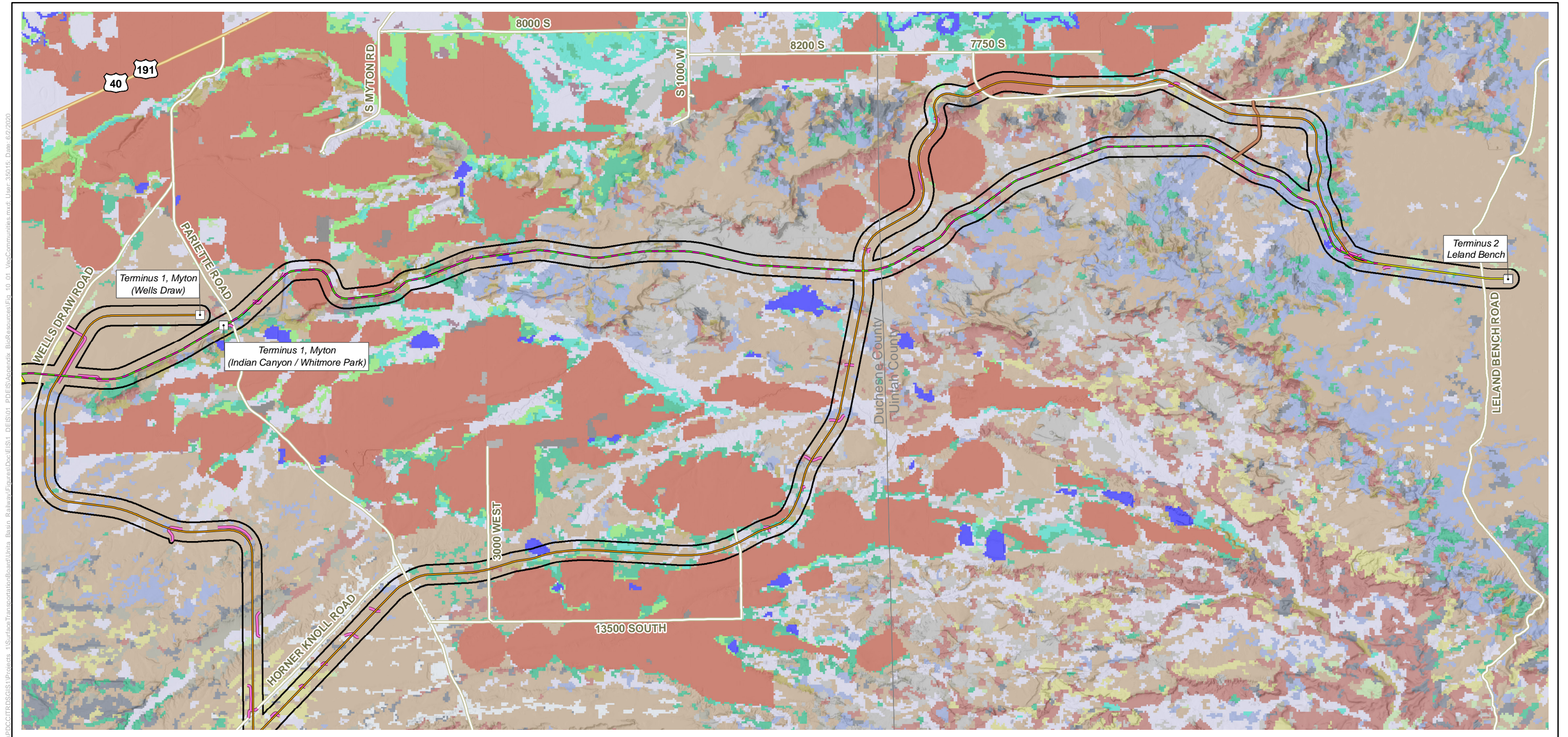
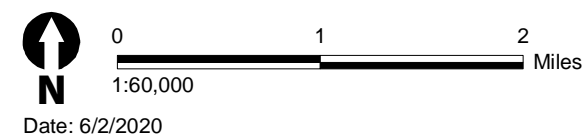
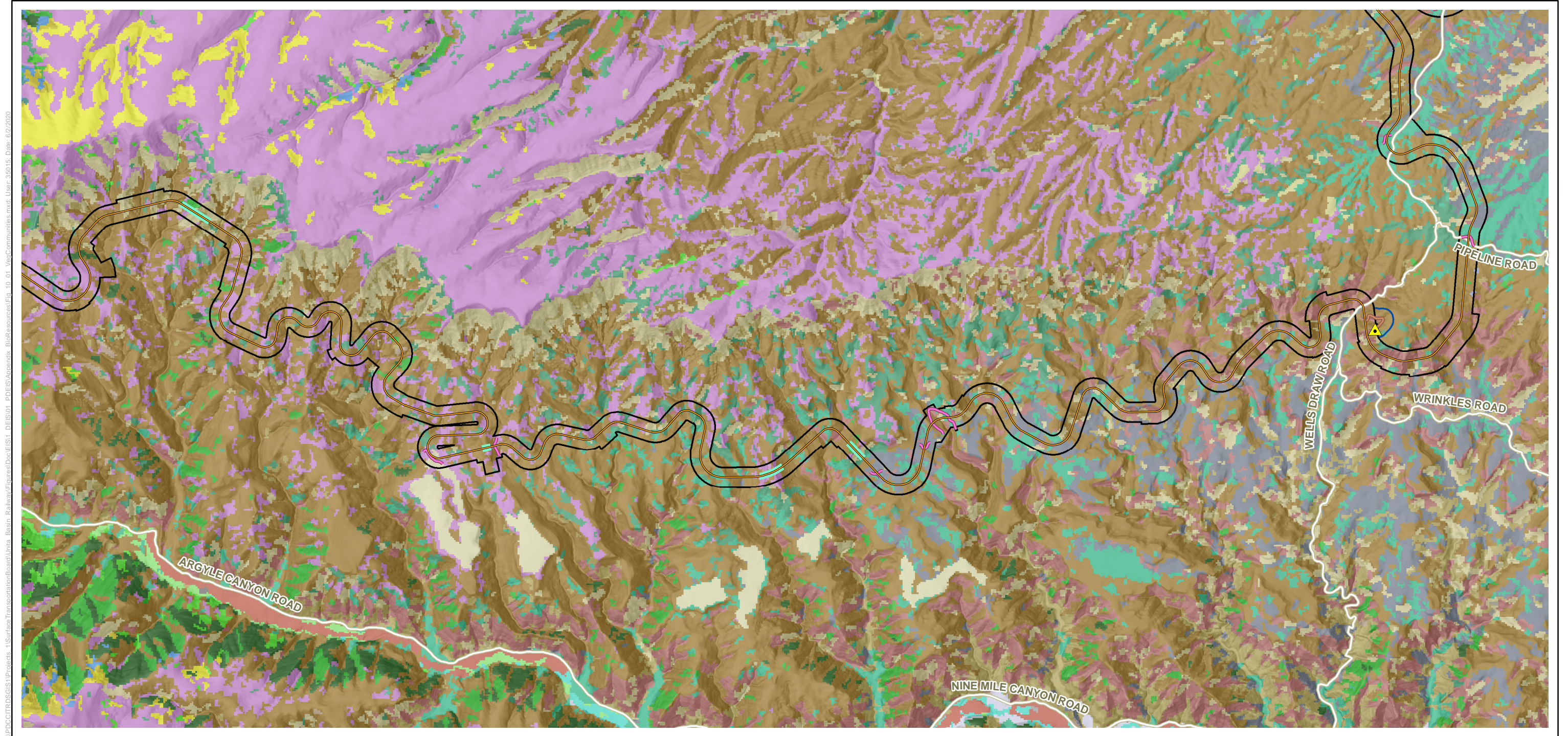


Figure 10. Vegetation Communities
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| All Alternatives | Communication Tower |
| Indian Canyon Alternative | Road Relocation |
| Wells Draw Alternative | Access Road |
| Whitmore Park Alternative | Existing Rail Line |
| Indian Canyon and Wells Draw | Survey Study Area |
| Indian Canyon and Whitmore Park | Supplemental Survey Study Area |
| Terminal | |
| Tunnel | |

Vegetation Communities

- | | |
|---|---|
| Agriculture | Inter-Mountain West Aspen-Mixed Conifer Forest and Woodland Complex |
| Colorado Plateau Mixed Bedrock Canyon and Tableland | Invasive Annual Grassland |
| Colorado Plateau Mixed Low Sagebrush Shrubland | Recently Chained Pinyon-Juniper Areas |
| Colorado Plateau Pinyon-Juniper Shrubland | Rocky Mountain Alpine-Montane Wet Meadow |
| Colorado Plateau Pinyon-Juniper Woodland | Rocky Mountain Aspen Forest and Woodland |
| Developed, Medium - High Intensity | Rocky Mountain Cliff and Canyon |
| Developed, Open Space - Low Intensity | Rocky Mountain Gambel Oak-Mixed Montane Shrubland |
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| Inter-Mountain Basins Mat Saltbush Shrubland | Rocky Mountain Montane Mesic Mixed Conifer Forest and Woodland |
| Inter-Mountain Basins Mixed Salt Desert Scrub | Rocky Mountain Subalpine Dry-Mesic Spruce-Fir Forest and Woodland |
| Inter-Mountain Basins Montane Sagebrush Steppe | Rocky Mountain Subalpine Mesic Spruce-Fir Forest and Woodland |
| Inter-Mountain Basins Semi-Desert Grassland | Southern Rocky Mountain Montane-Subalpine Grassland |
| Inter-Mountain Basins Semi-Desert Shrub Steppe | |

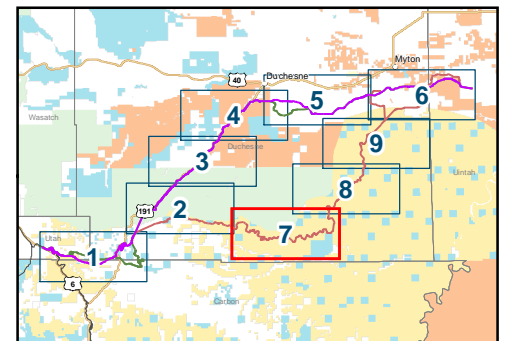
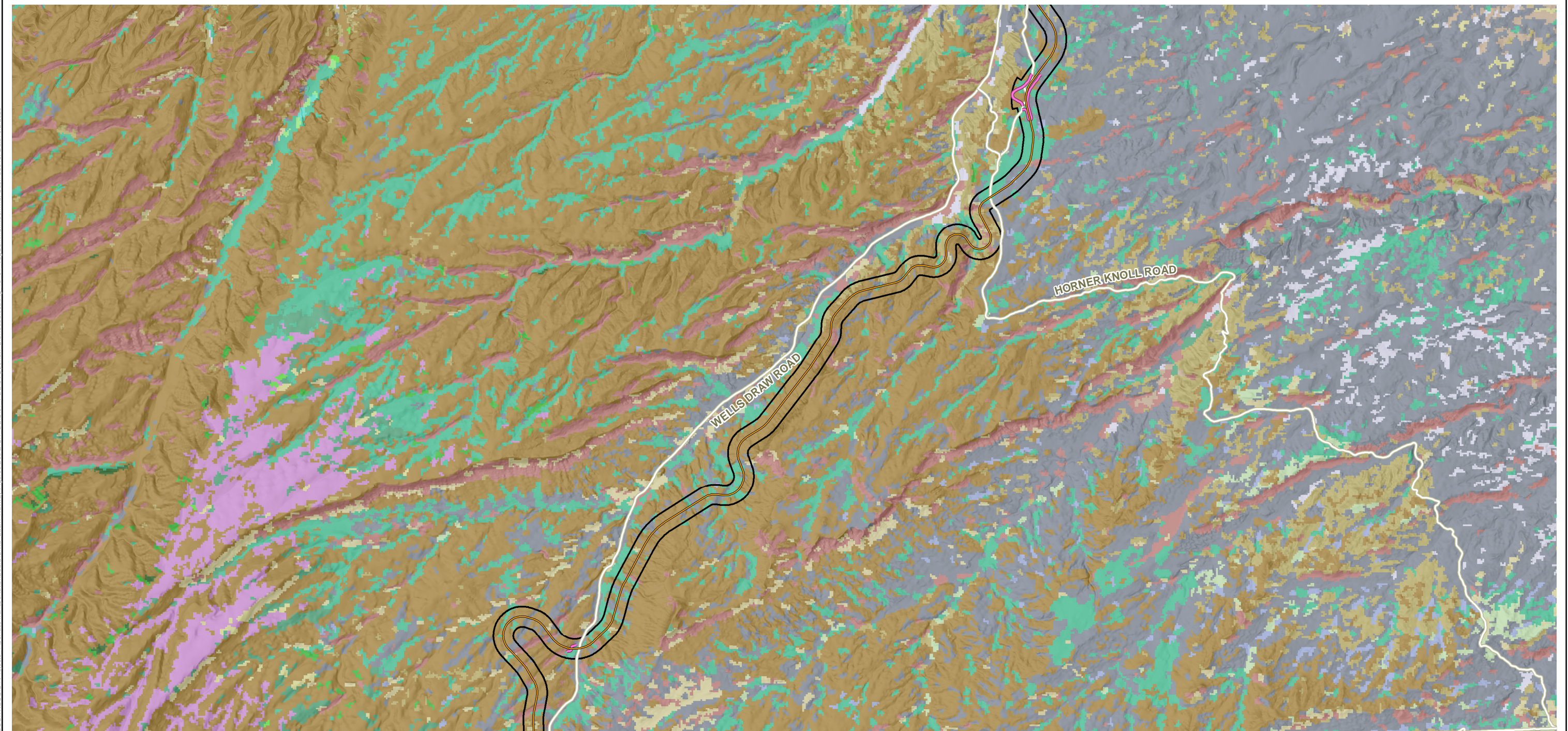


Figure 10. Vegetation Communities
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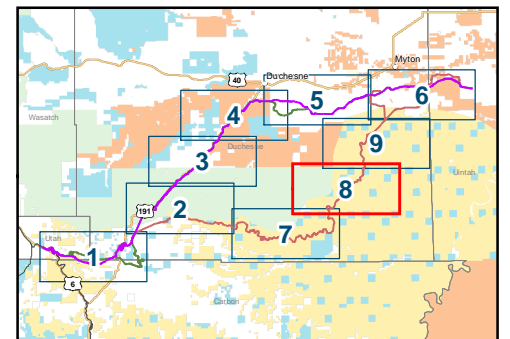
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|---------------------------------|--------------------------------|
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| Terminal | |
| Tunnel | |

Vegetation Communities

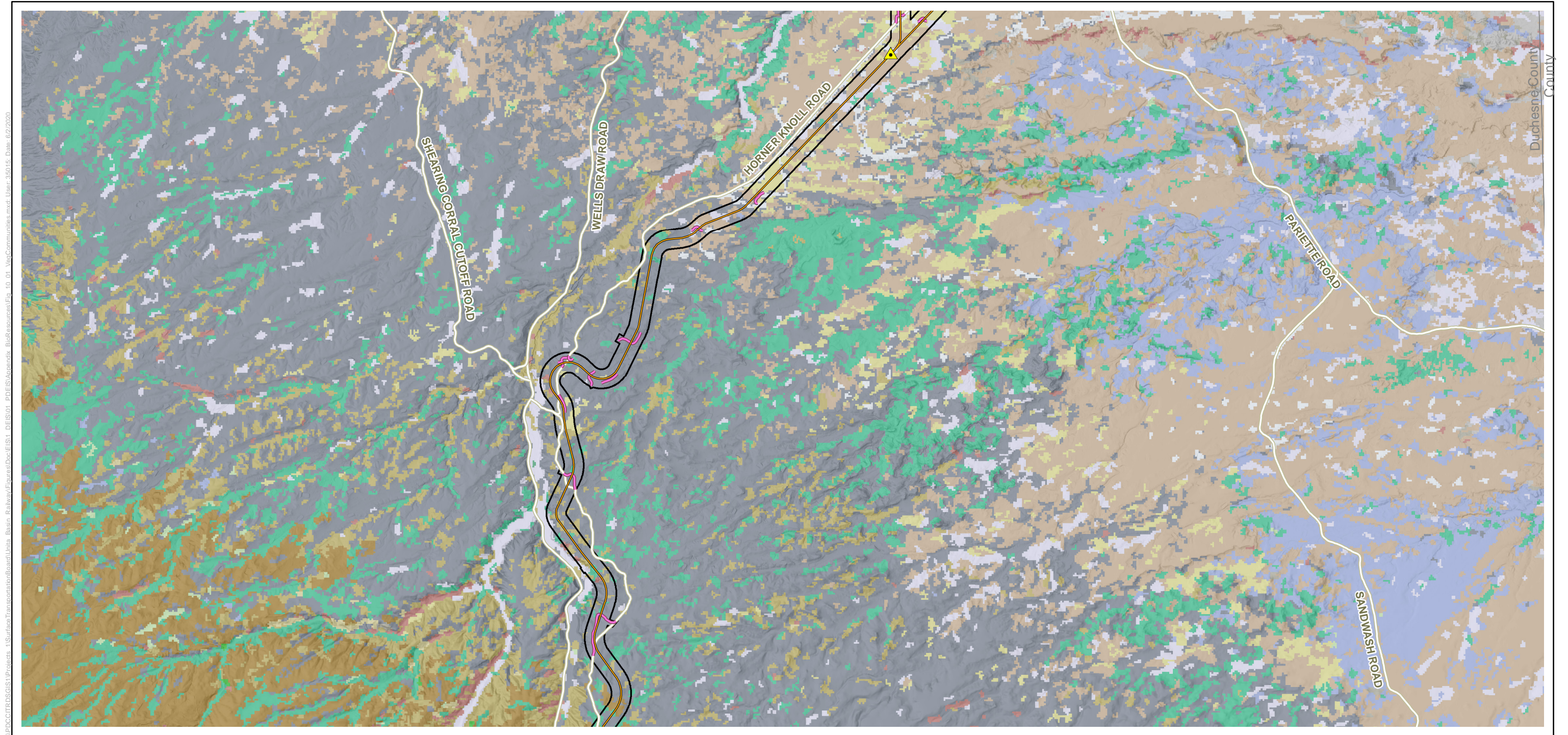
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| Colorado Plateau Mixed Bedrock Canyon and Tableland | Inter-Mountain Basins Semi-Desert Shrub Steppe |
| Colorado Plateau Mixed Low Sagebrush Shrubland | Invasive Annual Grassland |
| Colorado Plateau Pinyon-Juniper Shrubland | Rocky Mountain Alpine-Montane Wet Meadow |
| Colorado Plateau Pinyon-Juniper Woodland | Rocky Mountain Cliff and Canyon |
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| Inter-Mountain Basins Greasewood Flat | Rocky Mountain Lower Montane Riparian Woodland and Shrubland |
| Inter-Mountain Basins Mat Saltbush Shrubland | Rocky Mountain Montane Dry-Mesic Mixed Conifer Forest and Woodland |
| Inter-Mountain Basins Mixed Salt Desert Scrub | Rocky Mountain Montane Mesic Mixed Conifer Forest and Woodland |
| Inter-Mountain Basins Montane Sagebrush Steppe | Southern Rocky Mountain Montane-Subalpine Grassland |
| Inter-Mountain Basins Semi-Desert Grassland | |



Date: 6/2/2020

Figure 10. Vegetation Communities
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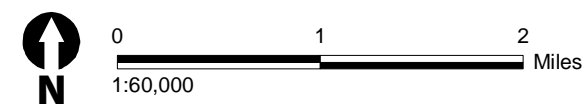
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Vegetation Communities

- Agriculture
- Colorado Plateau Mixed Bedrock Canyon and Tableland
- Colorado Plateau Mixed Low Sagebrush Shrubland
- Colorado Plateau Pinyon-Juniper Shrubland
- Colorado Plateau Pinyon-Juniper Woodland
- Disturbed, Oil well
- Inter-Mountain Basins Big Sagebrush Shrubland
- Inter-Mountain Basins Greasewood Flat
- Inter-Mountain Basins Mat Saltbush Shrubland
- Inter-Mountain Basins Mixed Salt Desert Scrub
- Inter-Mountain Basins Semi-Desert Grassland
- Inter-Mountain Basins Semi-Desert Shrub Steppe
- Inter-Mountain Basins Shale Badland
- Invasive Annual Grassland
- Rocky Mountain Cliff and Canyon
- Rocky Mountain Montane Dry-Mesic Mixed Conifer Forest and Woodland
- Southern Rocky Mountain Montane-Subalpine Grassland



Date: 6/2/2020

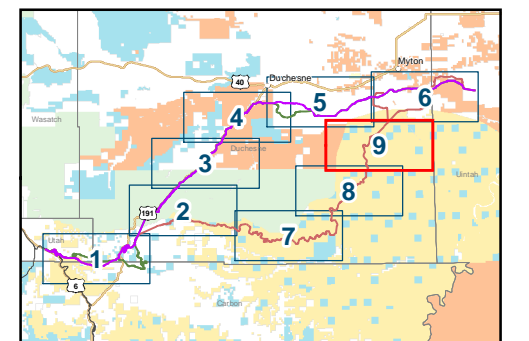


Figure 10. Vegetation Communities
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