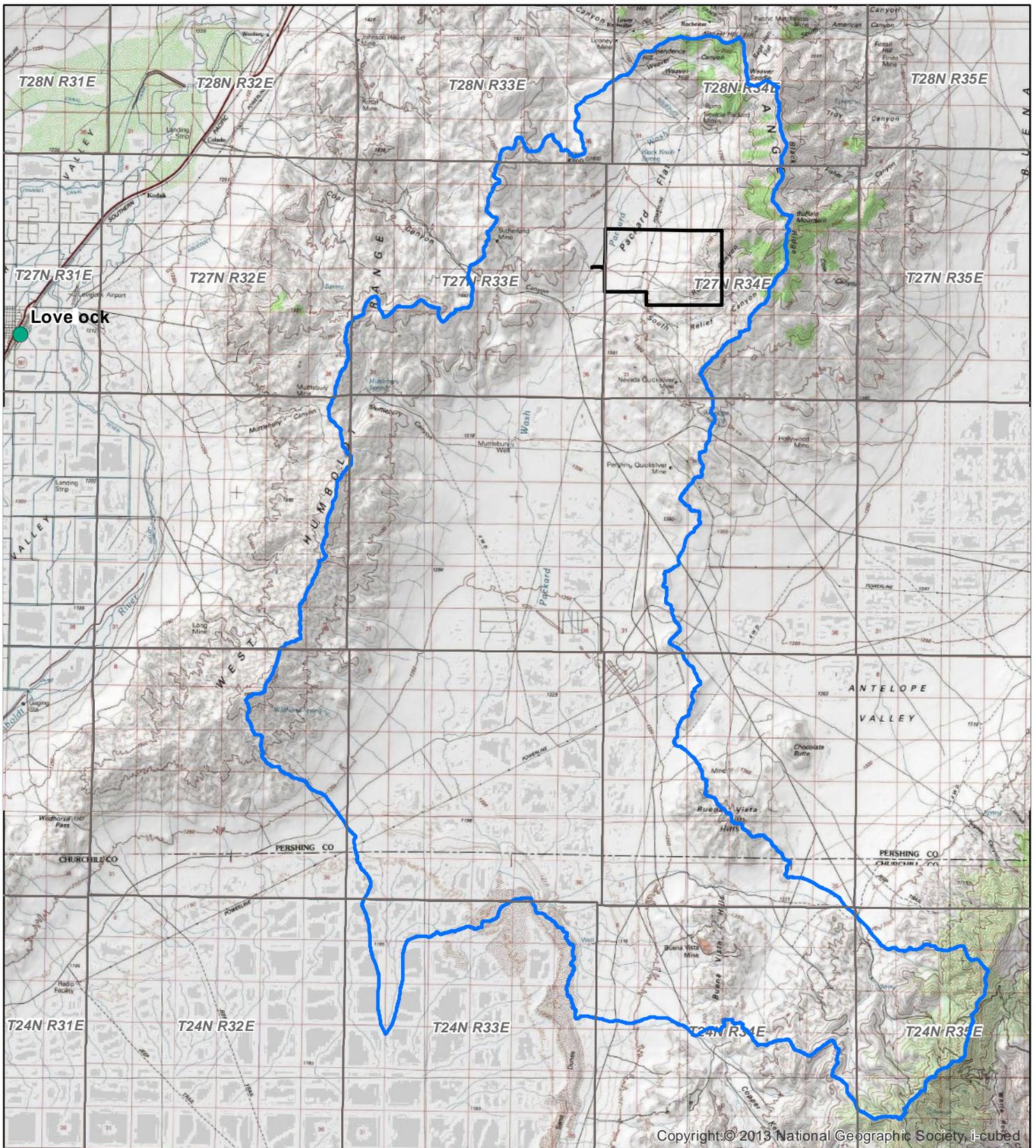


<b>Explanation</b>		<b>Vegetation Community</b>		WINNEMUCCA DISTRICT OFFICE Humboldt River Field Office 5100 East Winnemucca Blvd. Winnemucca, Nevada 89445		 <b>BUREAU OF LAND MANAGEMENT</b> RELIEF CANYON MINE PROJECT
<ul style="list-style-type: none"> <li><span style="border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> Project Area</li> <li><span style="border: 1px dashed black; display: inline-block; width: 15px; height: 10px;"></span> Water Tank</li> <li><span style="color: red; font-size: 10px;">●</span> Perennial Pepperweed</li> <li><span style="color: blue; font-size: 10px;">●</span> Saltcedar</li> <li><span style="color: green; font-size: 10px;">●</span> Hoary Cress</li> <li><span style="color: magenta; font-size: 10px;">●</span> Perennial Pepperweed</li> <li><span style="color: brown; font-size: 10px;">●</span> Russian Knapweed</li> <li><span style="color: cyan; font-size: 10px;">●</span> Saltcedar</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: orange; font-size: 15px;">■</span> Inter-Mountain Basins Bailey's Greasewood Flat</li> <li><span style="color: blue; font-size: 15px;">■</span> Disturbed Inter-Mountain Basins Bailey's Greasewood Flat</li> <li><span style="color: tan; font-size: 15px;">■</span> Inter-Mountain Basins Mixed Salt Desert Scrub</li> <li><span style="color: yellow; font-size: 15px;">■</span> Disturbed Inter-Mountain Basins Mixed Salt Desert Scrub</li> <li><span style="color: lightblue; font-size: 15px;">■</span> Inter-Mountain Basins Rabbitbrush - Big Sagebrush Drainage</li> <li><span style="color: purple; font-size: 15px;">■</span> Inter-Mountain Basins Big Sagebrush Shrubland with Encroaching Utah Juniper</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: red; font-size: 15px;">■</span> Great Basin Black Sagebrush - Utah Juniper Woodland</li> <li><span style="color: green; font-size: 15px;">■</span> Great Basin Sagebrush - Utah Juniper Woodland</li> <li><span style="color: orange; font-size: 15px;">■</span> Great Basin Xeric Mixed Sagebrush Shrubland</li> <li><span style="color: purple; font-size: 15px;">■</span> Juniper Barren</li> <li><span style="border: 1px dashed black; display: inline-block; width: 15px; height: 10px;"></span> Limestone Outcrop</li> <li><span style="border: 1px dotted black; display: inline-block; width: 15px; height: 10px;"></span> Disturbed Landscape/Road</li> <li><span style="border: 1px solid red; display: inline-block; width: 15px; height: 10px;"></span> Proposed Disturbance</li> </ul>	No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual use or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.	0 100 200 Feet	0 500 1,000 Feet	

Figure 3.3.1  
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**Explanation**

- Project Area
- HUC 5 Watershed
- City/Town

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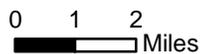
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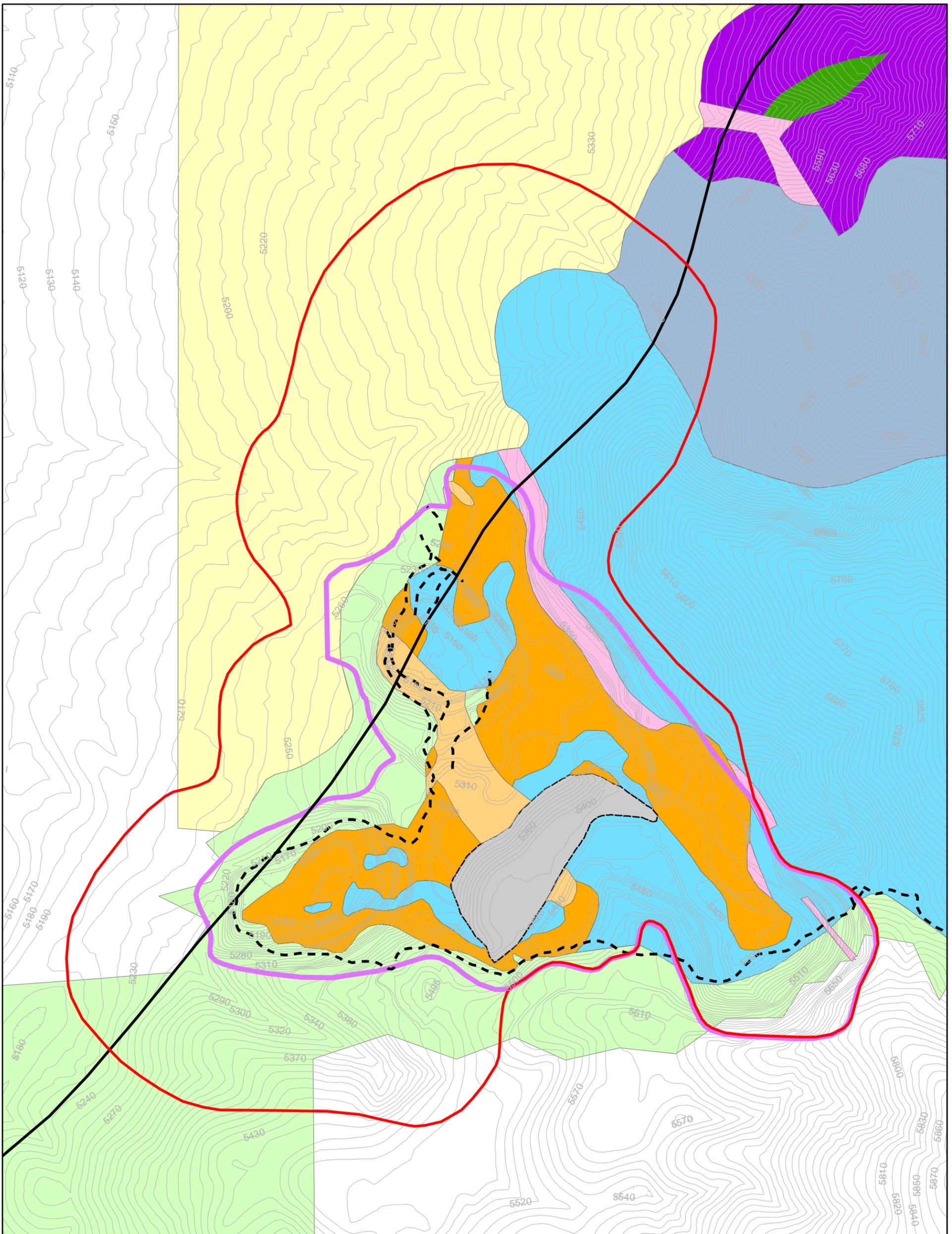
HUC 5 Watershed

Figure 3.7.1

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Source: Schlumberger Water Services, Sept. 2015

- Explanation**
- ▭ Proposed Pit Boundary
  - ▭ Existing Pit Disturbance
  - Range Front Fault
  - - - South Humboldt Thrust
  - ▭ Existing Topography (10' contour interval)
  - ▭ Dump
  - ▭ BX - Mixed clay-matrix breccia types with CS and GV clasts
  - ▭ FBX-Si - Jasperoid and variably silicified breccias
  - ▭ Qac - alluvium and colluvium
  - ▭ MD - Mafic dikes
  - ▭ GV - Grass Valley Formation (Clastics)
  - ▭ TRIm - Cane Springs Formation, massive thick bedded limestone
  - ▭ TRI - Cane Springs Formation, thin bedded impure limestone with local volcanic interbeds
  - ▭ Prida Formation, thin bedded limestone
  - ▭ Trv - Volcanics and metasediments



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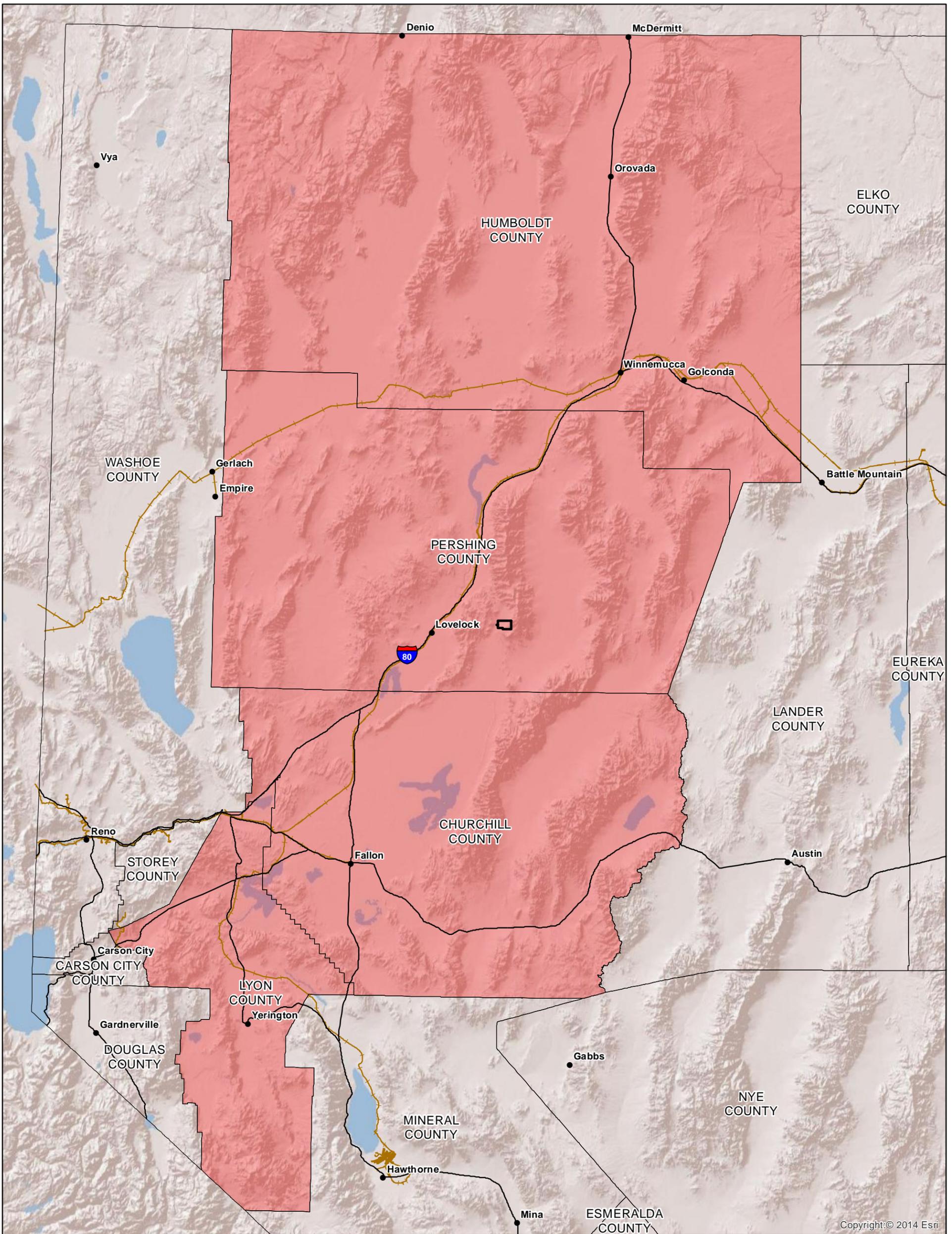
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**Localized Geology  
 within the Project Area**

Figure 3.8.1

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**Explanation**

- Project Area
- County
- Roads
- Railroads
- City/Town

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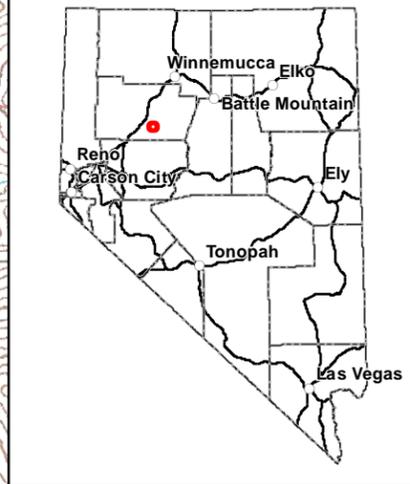
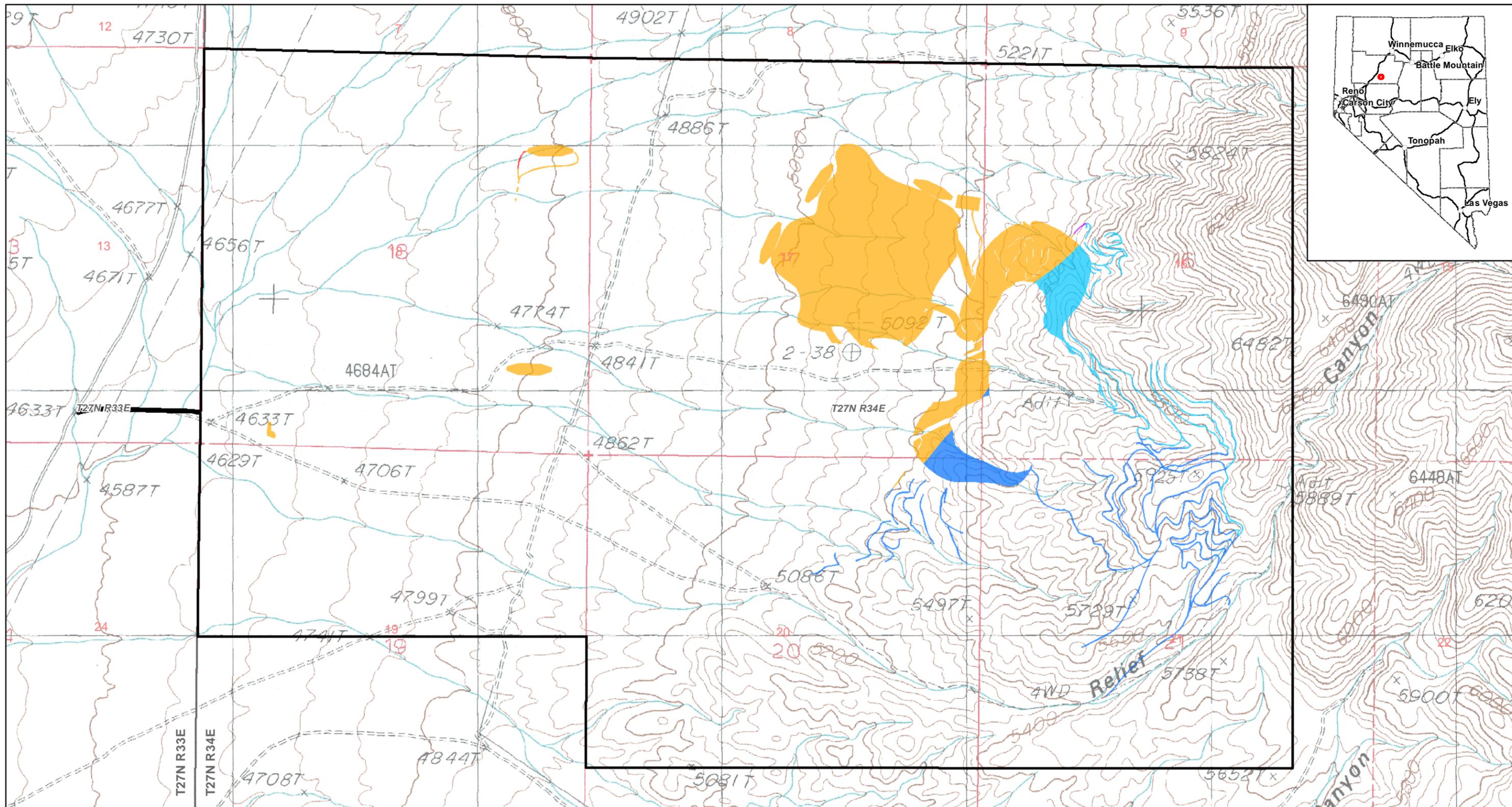
**Economics and Social Values  
 Assessment Area**

Figure 3.11.1

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**Explanation**

- Project Area
- Bubus very fine sandy loam, 0 to 2 percent slopes (932) - 0.1 acre
- Oxcorel-Beoska association (669) - 146.9 acres
- Puffer, very steep-Atlow-Puffer association (957) - 18.9 acres
- Puffer-Mulhop-Rock outcrop association (955) - 16.5 acres
- Snapp-Oxcorel association (750) - 0.1 acre

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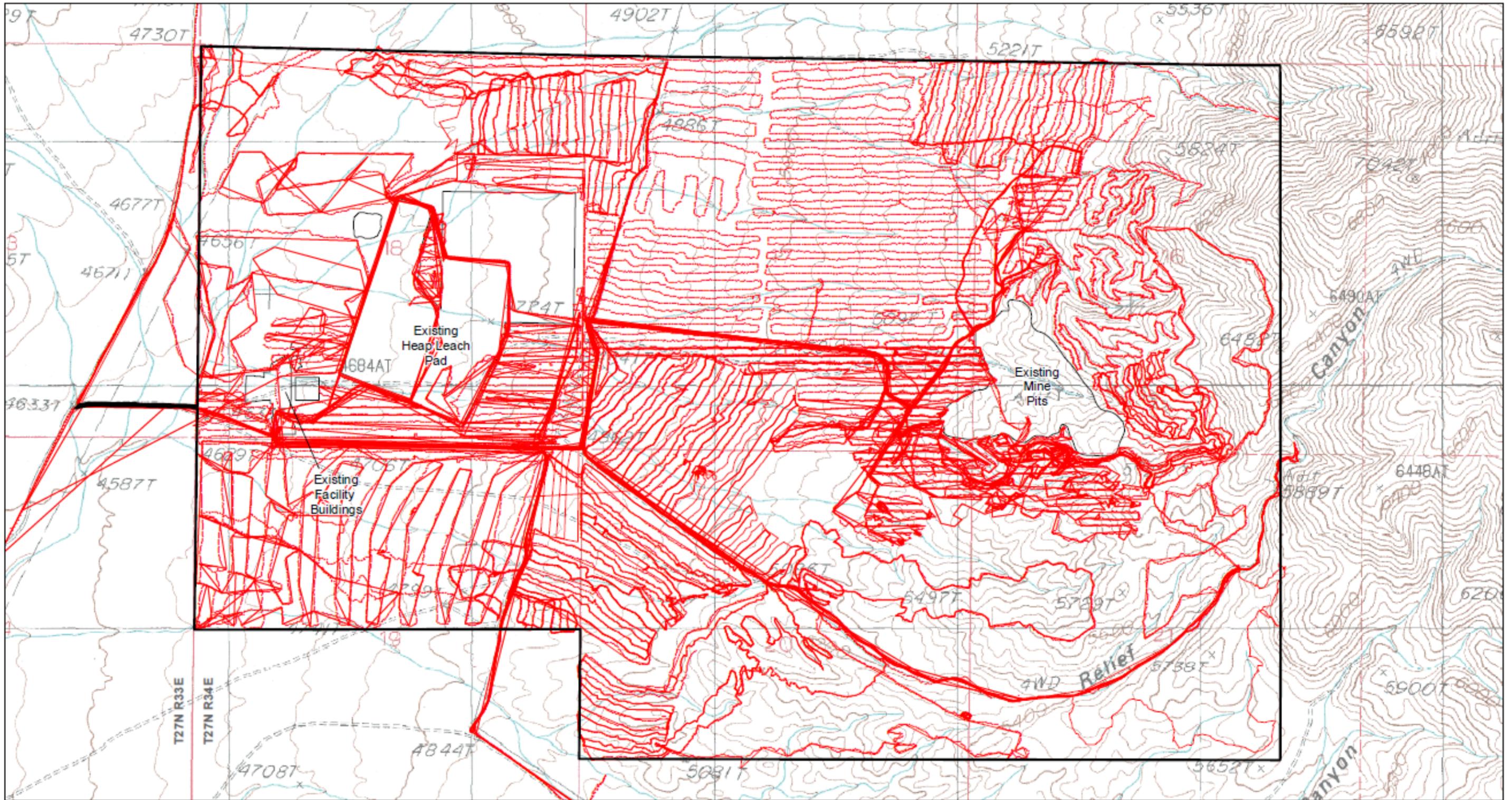
NRCS Soil Map Units  
 for the Proposed New Disturbance

Figure 3.12.1

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**Explanation**

-  Project Area
-  Survey Tracks

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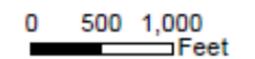
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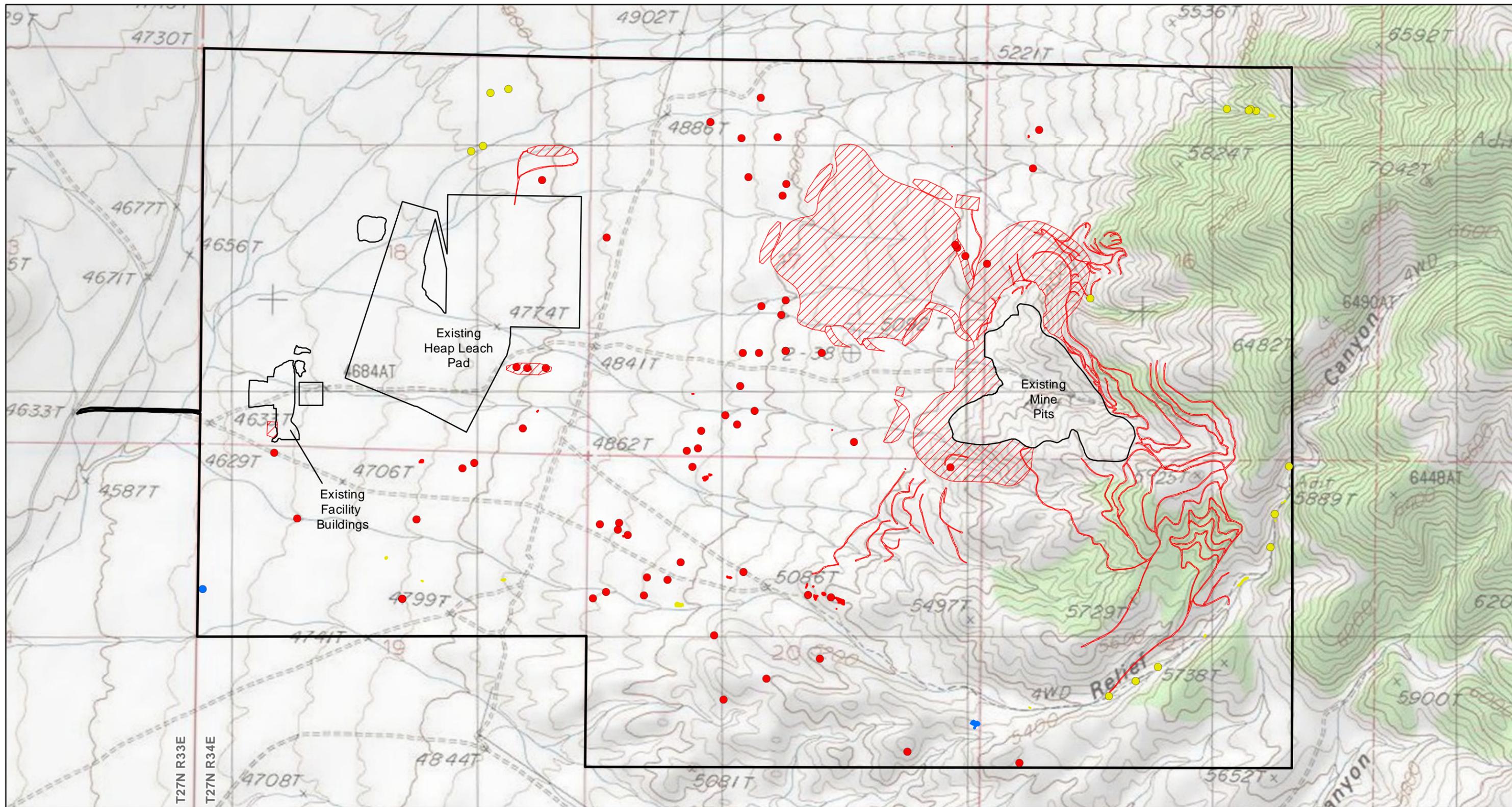
Survey Tracks

Figure 3.13.1

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**Explanation**

- |                      |                      |                      |
|----------------------|----------------------|----------------------|
| Project Area         | Lahontan Beardtongue | Lahontan Beardtongue |
| Proposed Disturbance | Lahontan Milkvetch   | Lahontan Milkvetch   |
|                      | Sand Cholla          | Sand Cholla          |

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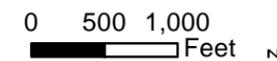
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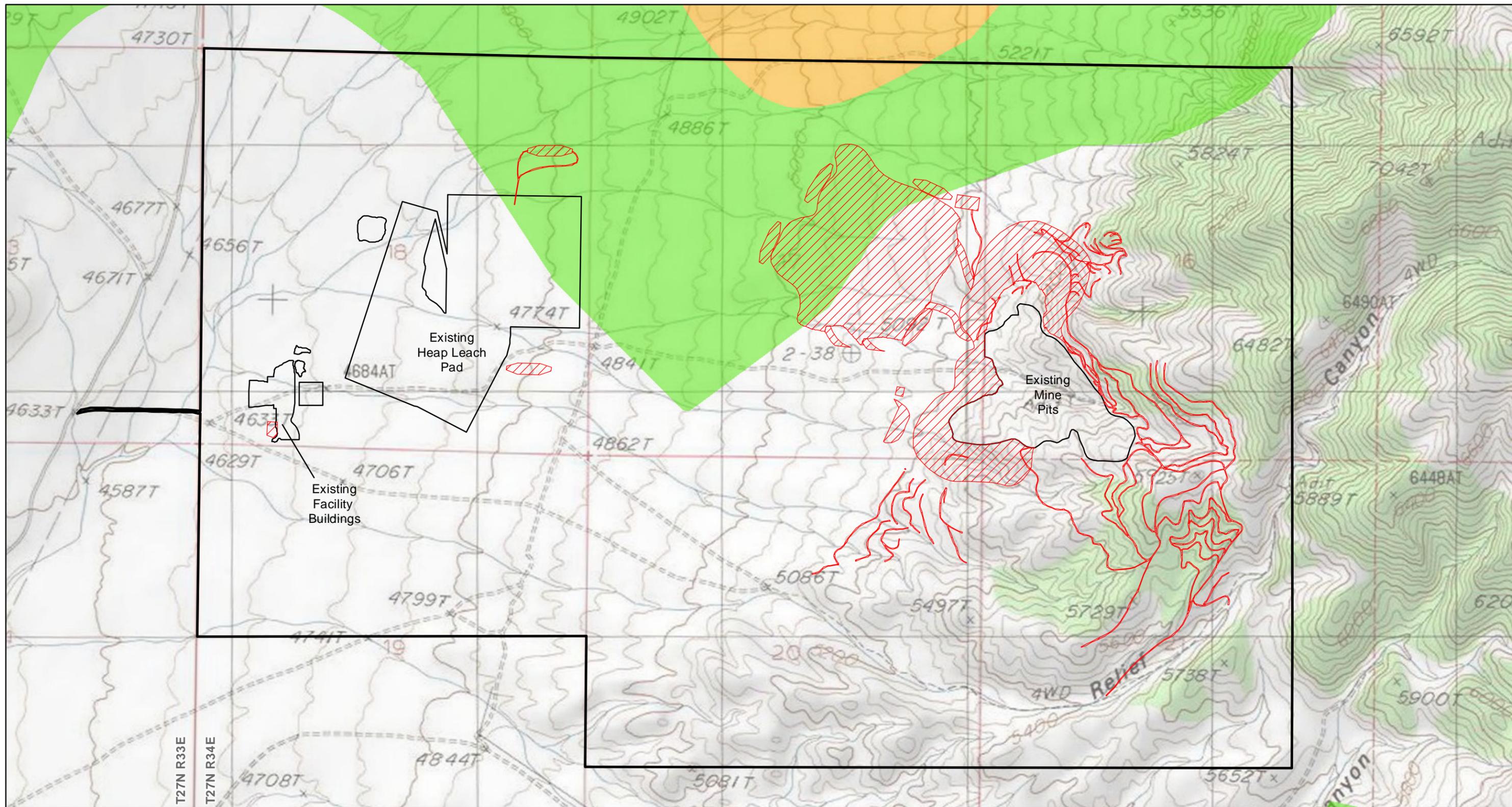
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Special Status Plant Species  
within the Project Area

Figure 3.13.2

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**Explanation**

- Project Area
- Proposed Disturbance
- NVCA\_ARMPA\_GRSB\_Habitat (Sept. 2015)**
- General Habitat Management Areas (GHMA)
- Other Habitat Management Areas (OHMA)

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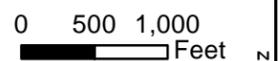
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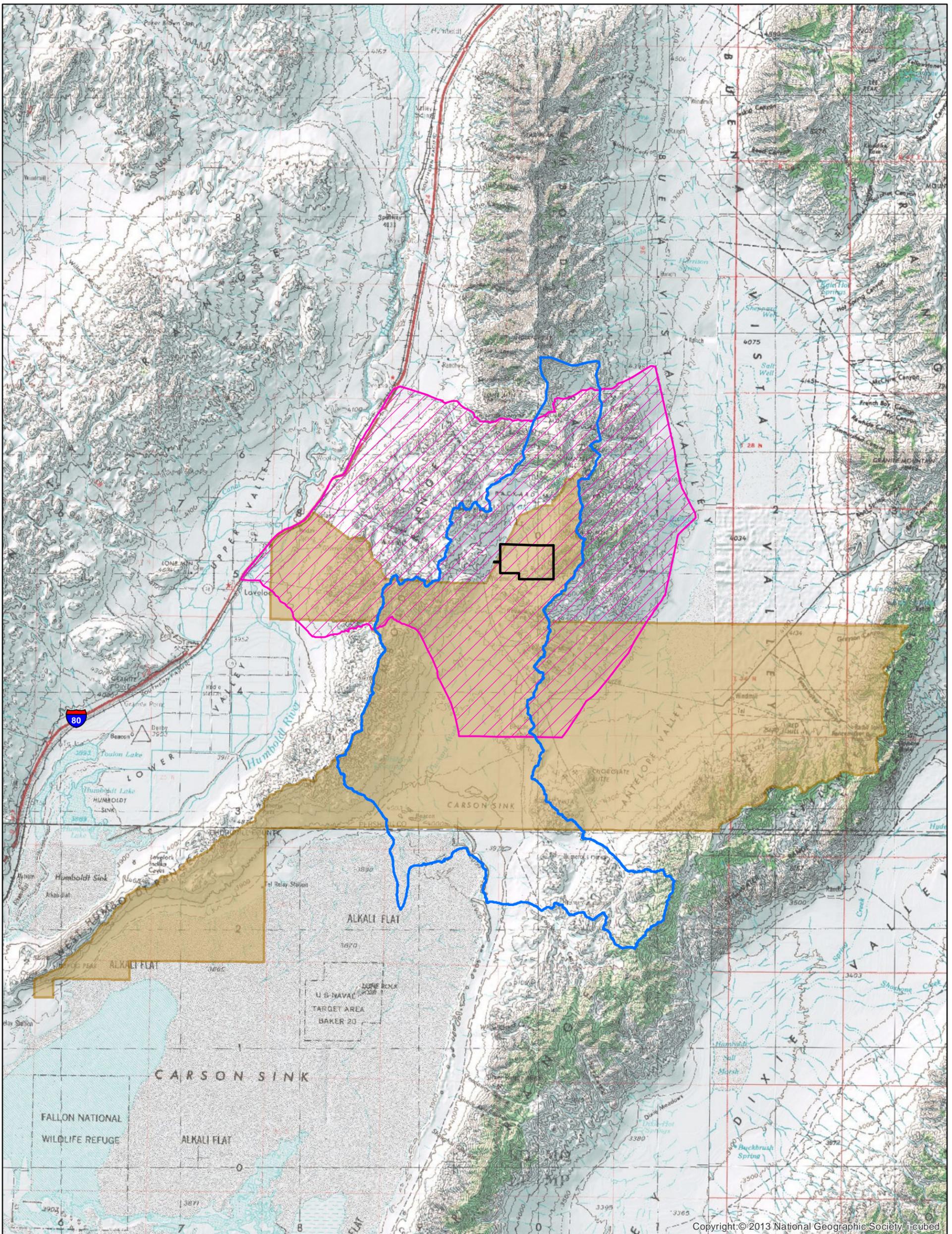
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Sage Grouse Habitat  
within the Project Area

Figure 3.13.3

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**Explanation**

-  Geology CESA (2974.4 acres)
-  Wildlife CESA (174,781.2 acres)
-  Range CESA (254,863.8 acres)
-  Water Resources CESA (140,294.3 acres)

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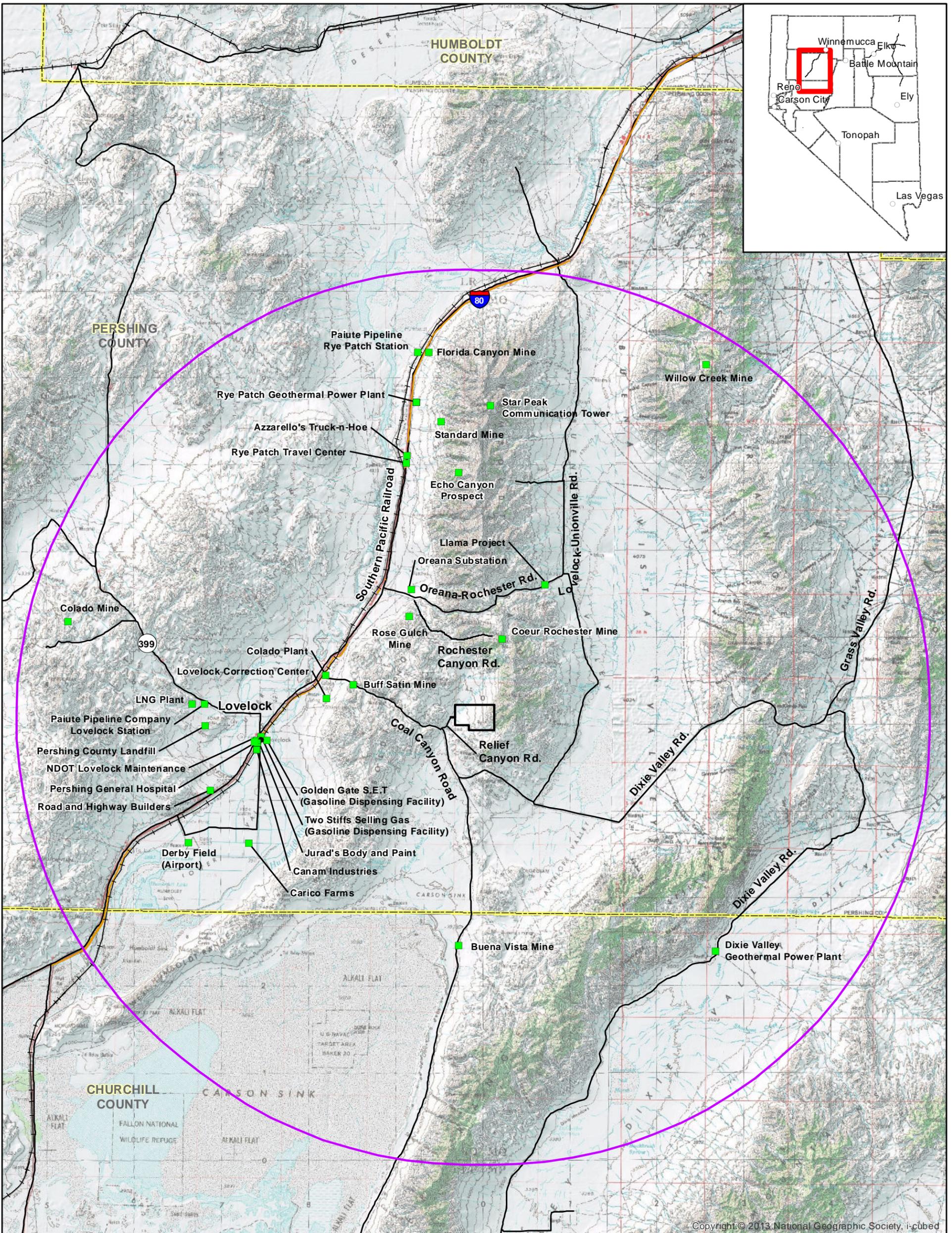
**Cumulative Effects Study Areas**

Figure 5.1.1

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<ul style="list-style-type: none"> <li> Project Area</li> <li> Air Quality CESA</li> <li> County</li> <li> Interstate Highway</li> <li> Railroad</li> <li> Major Road</li> <li> City/Town</li> <li> Air Emission Sources within CESA</li> </ul>			<b>RELIEF CANYON MINE PROJECT</b>
			Air Quality CESA
			Figure 5.1.2
			05/05/2016