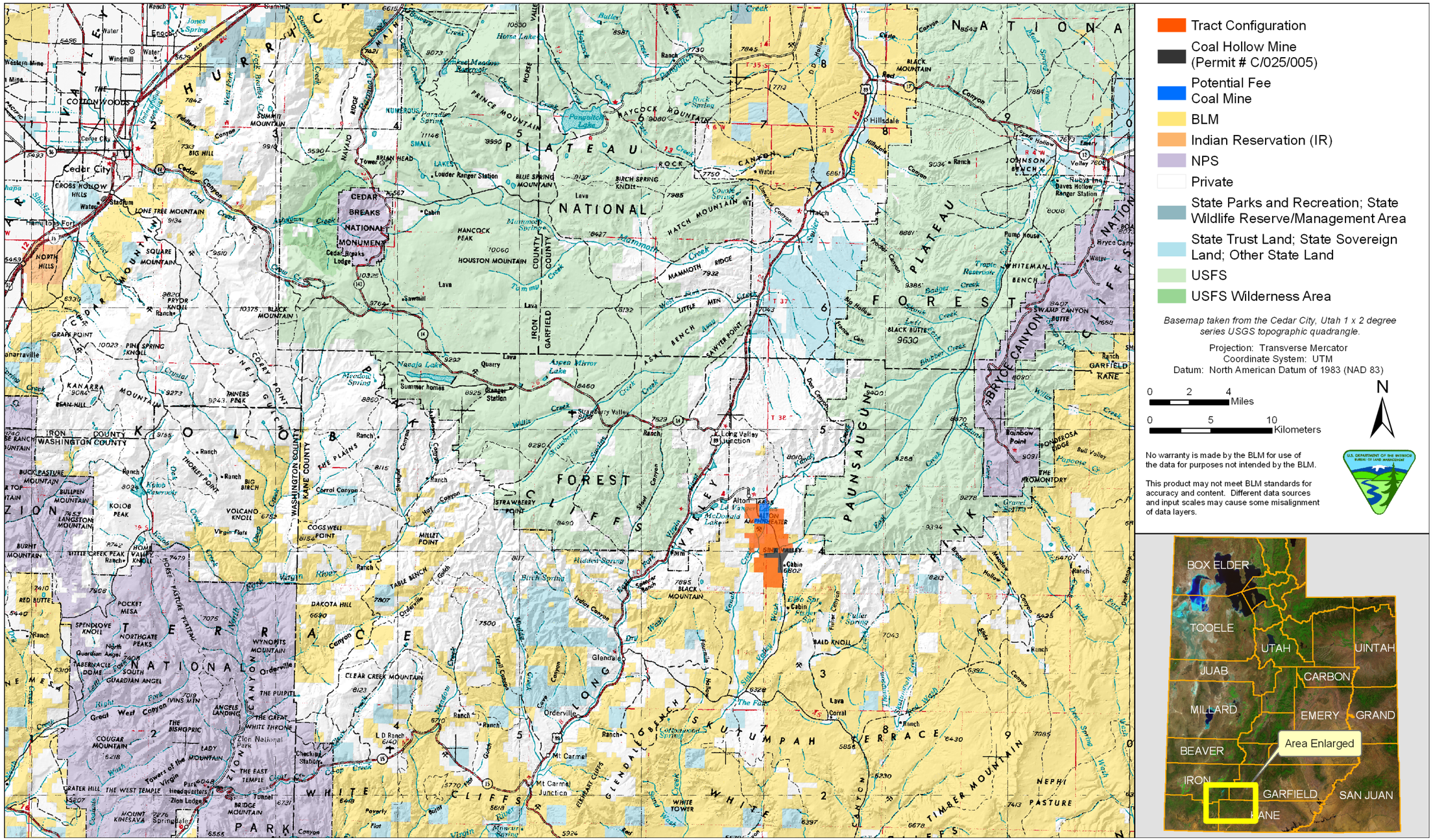
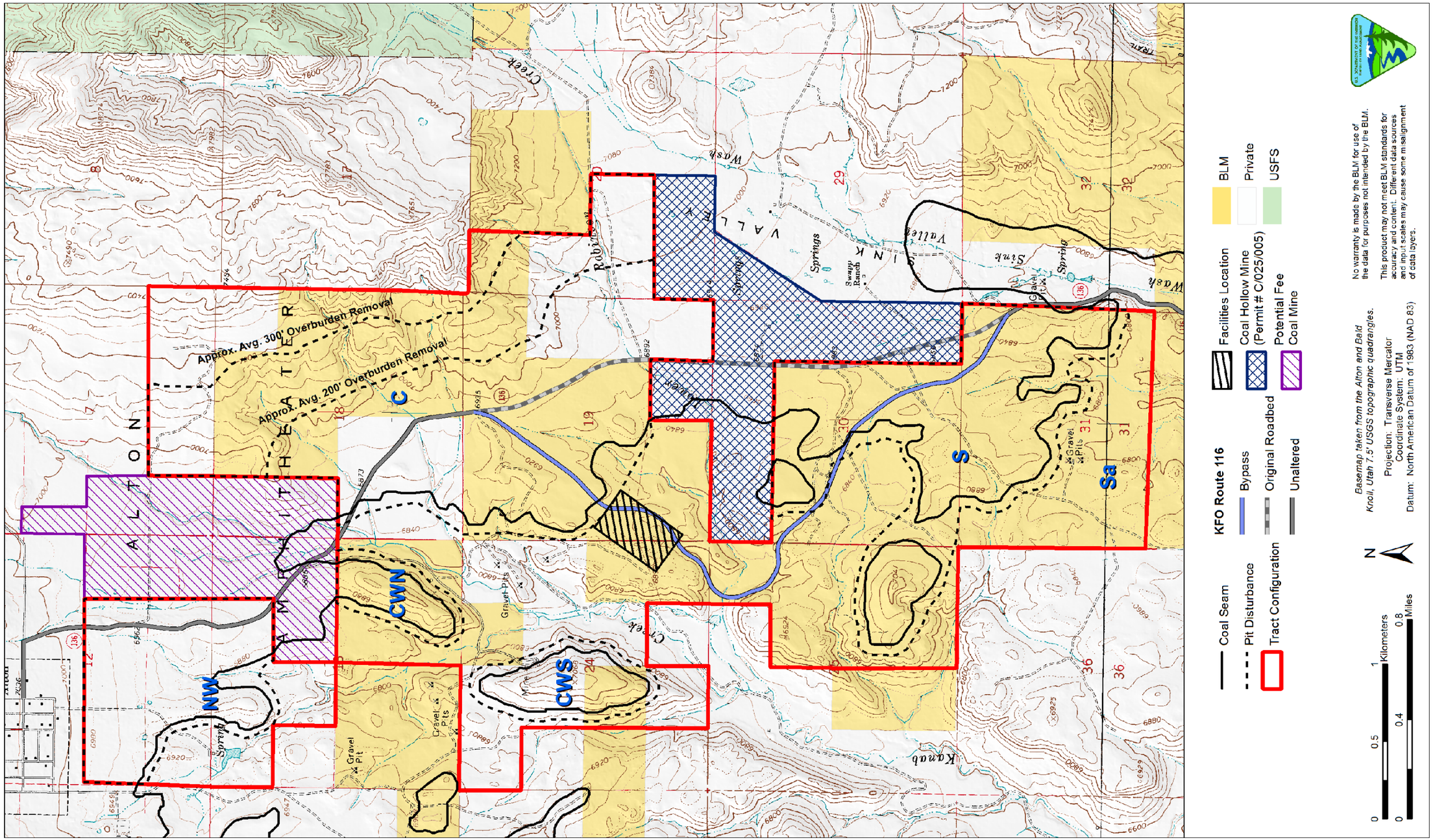
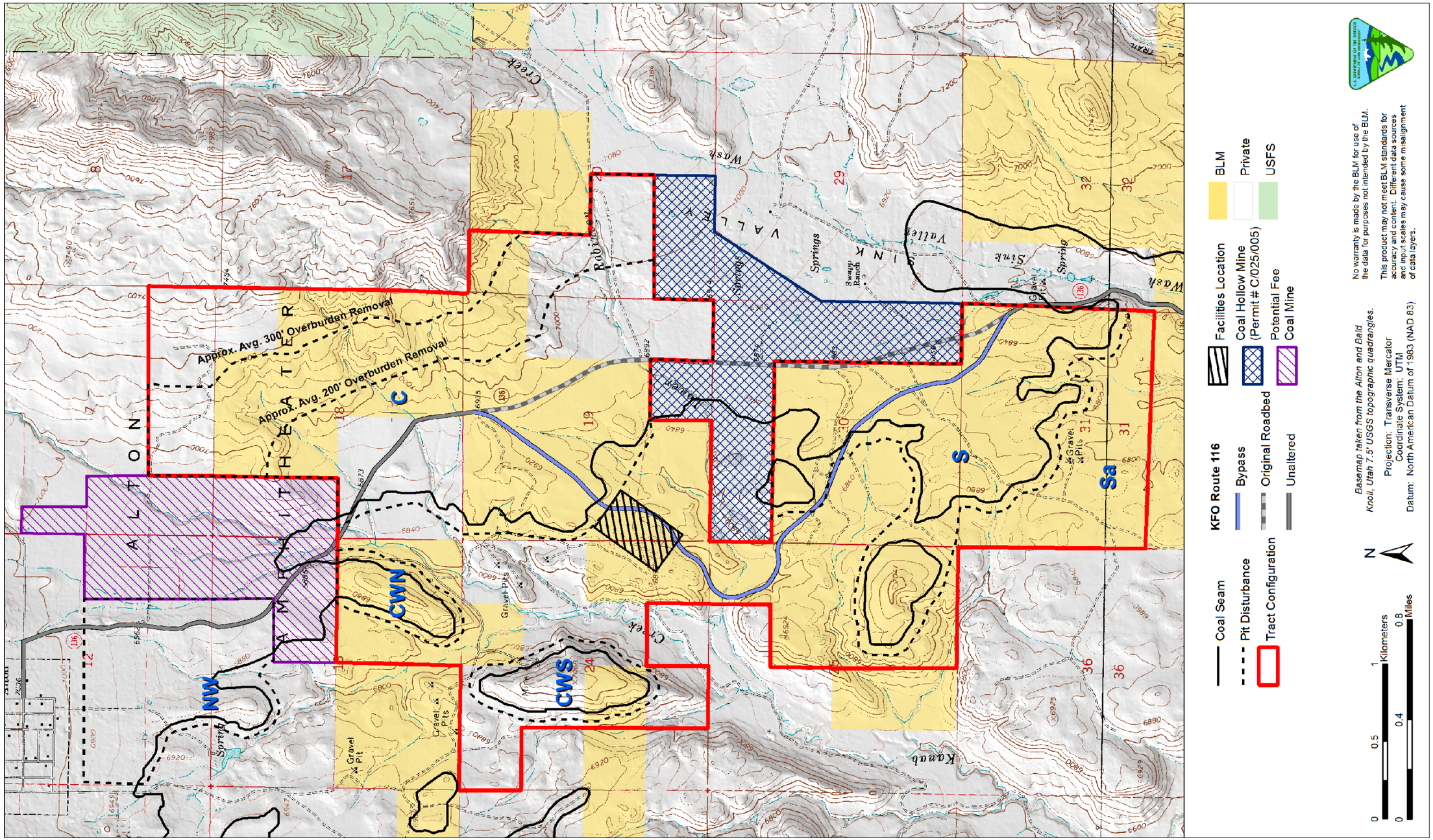
APPENDIX A.
MAPS



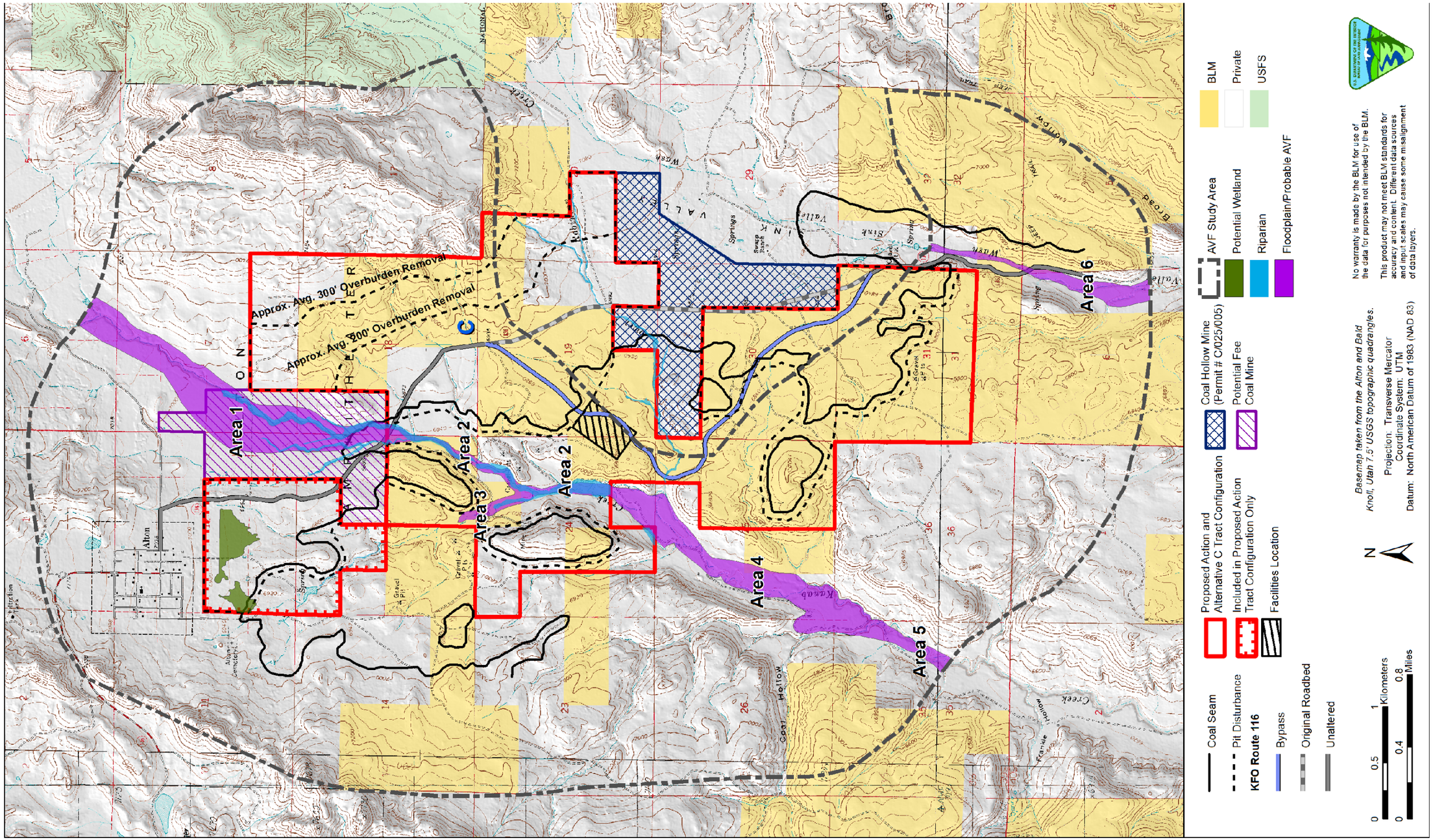
Map 1.1. Alton Coal Tract (Proposed Action) in relation to the Town of Alton and other area landmarks.



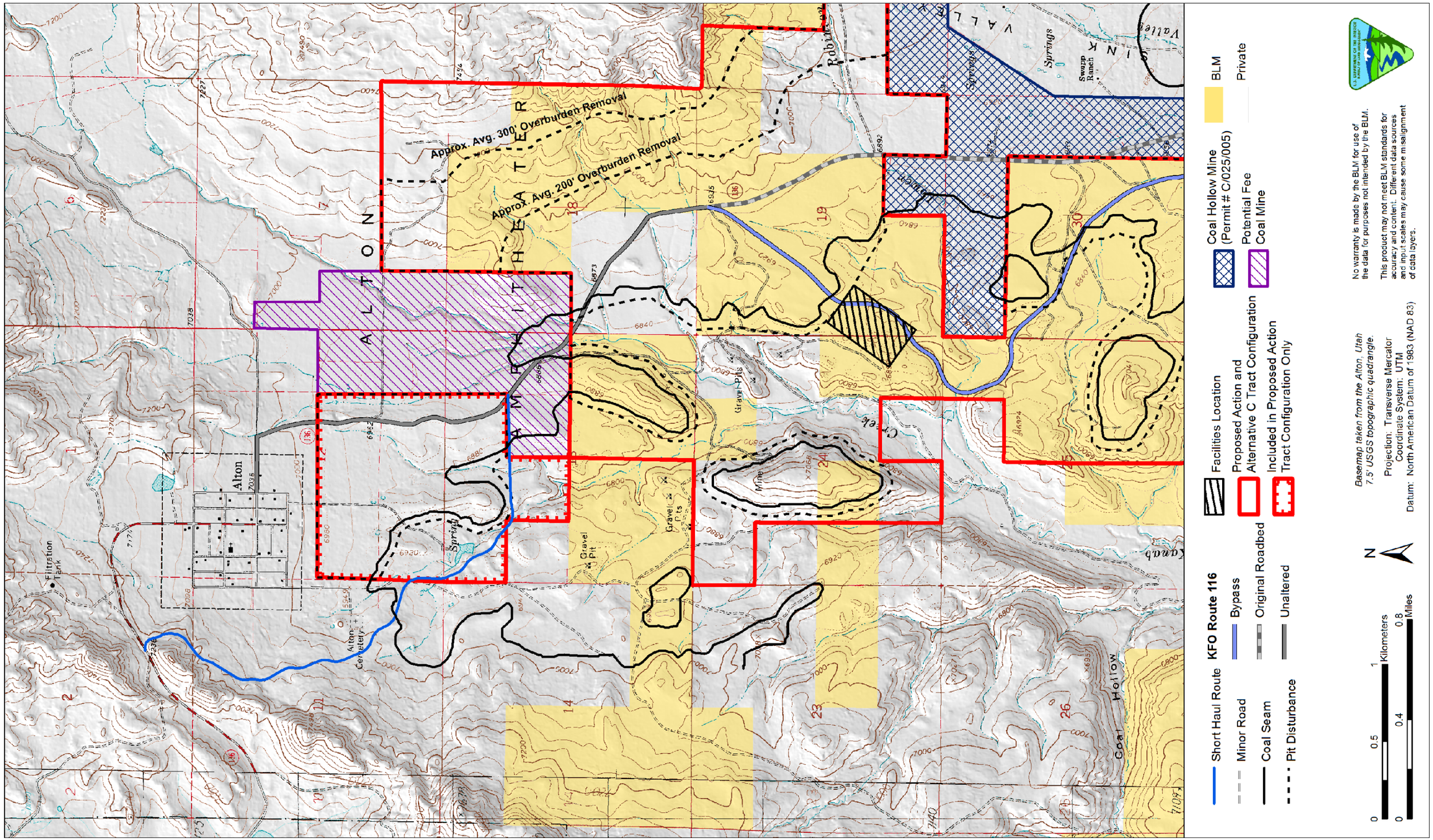
Map 1.2. Alton Coal Tract configuration and land ownership under Alternative B (Proposed Action).



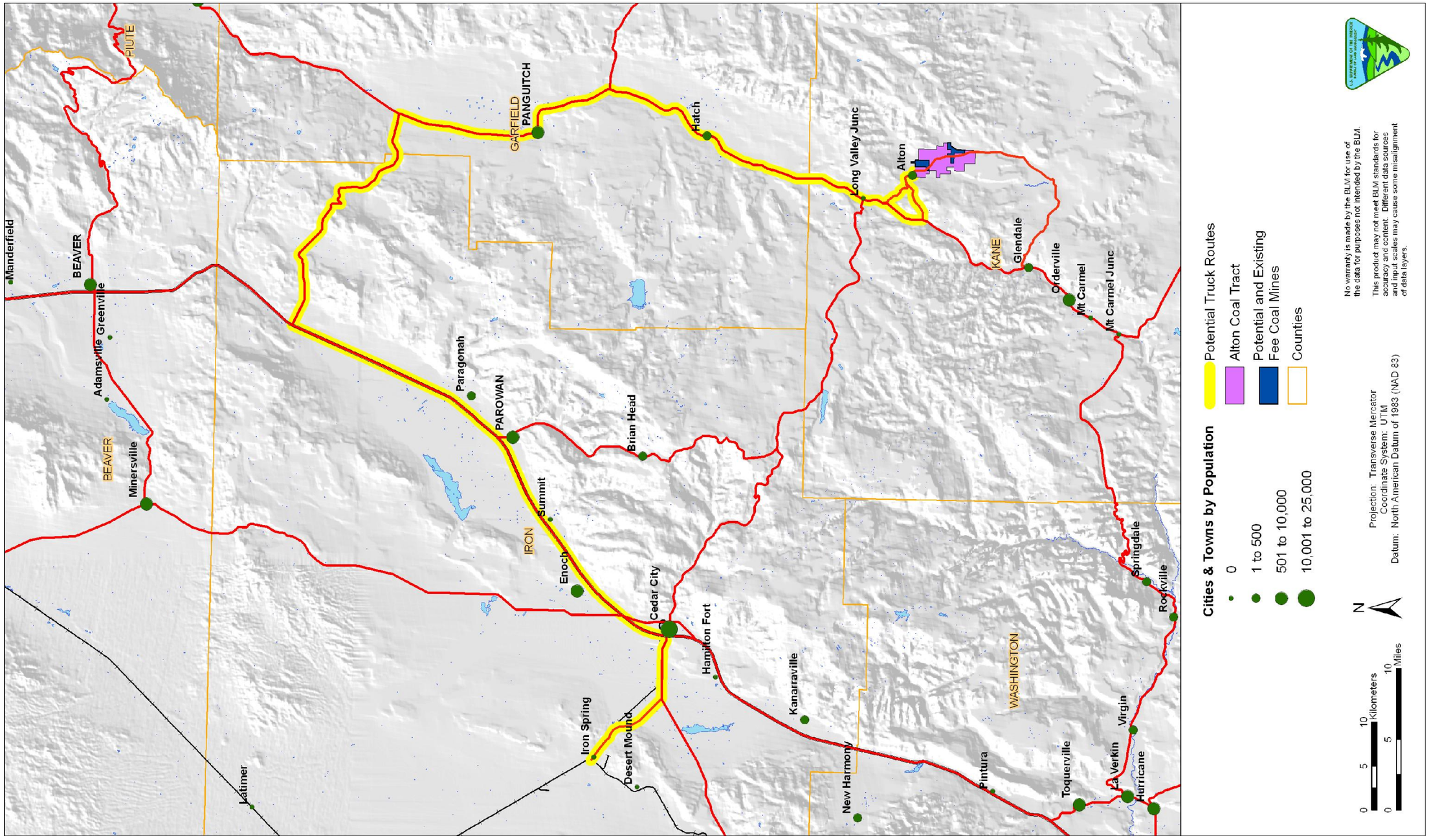
Map 2.1. Alton Coal Tract configuration and land ownership under Alternative C.



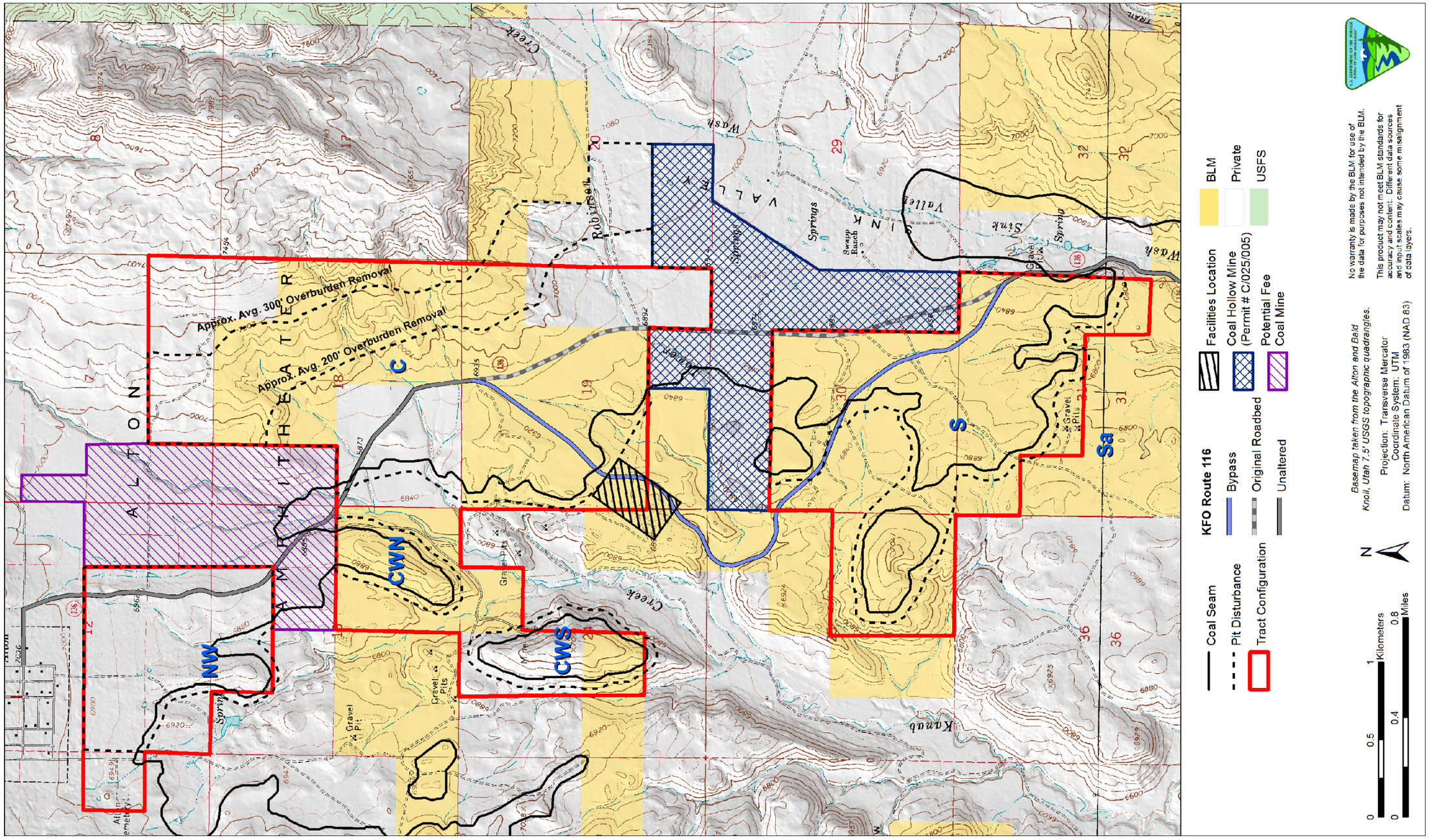
Map 2.2. Potential wetlands, floodplains, and probable alluvial valley floors, in addition to the alluvial valley floor study area, in relation to the Alton Coal Tract**.**



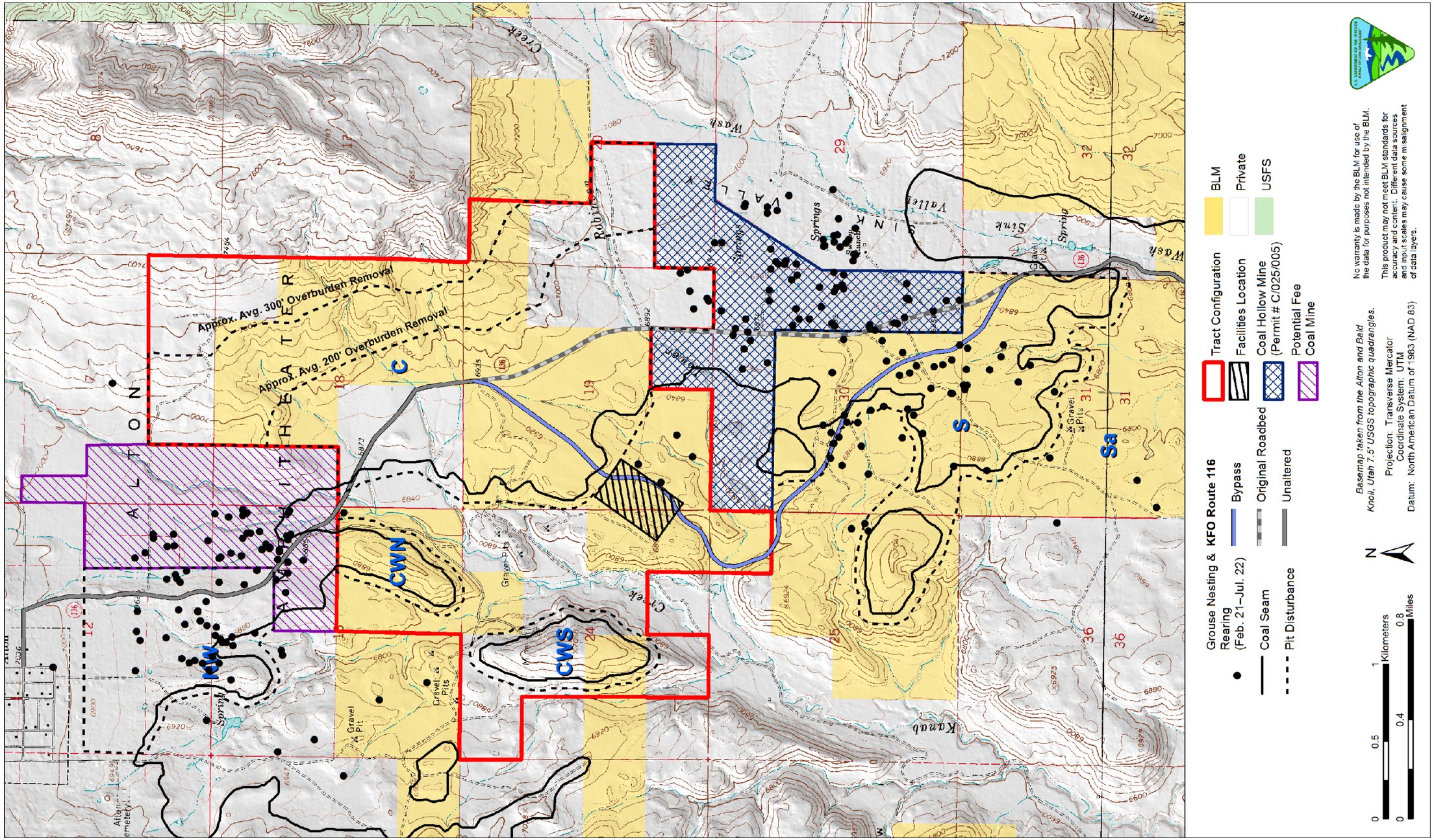
Map 2.3. Potential short haul routes for transporting coal from the Coal Hollow Mine to Kanab Field Office Route 116 north of Alton.



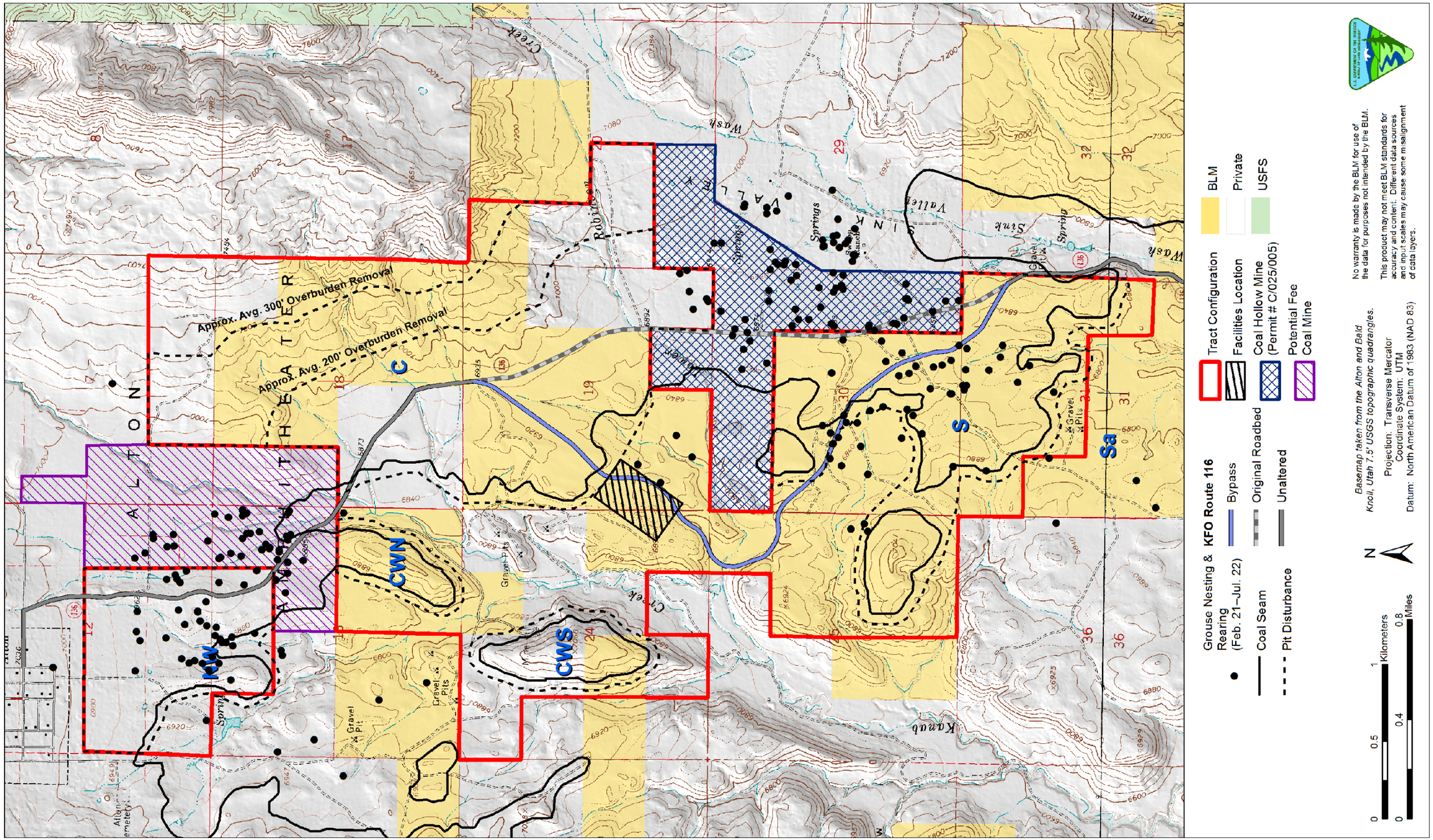
Map 2.4. Reasonably foreseeable coal loadout location and transportation route for delivery of coal from the tract to market.



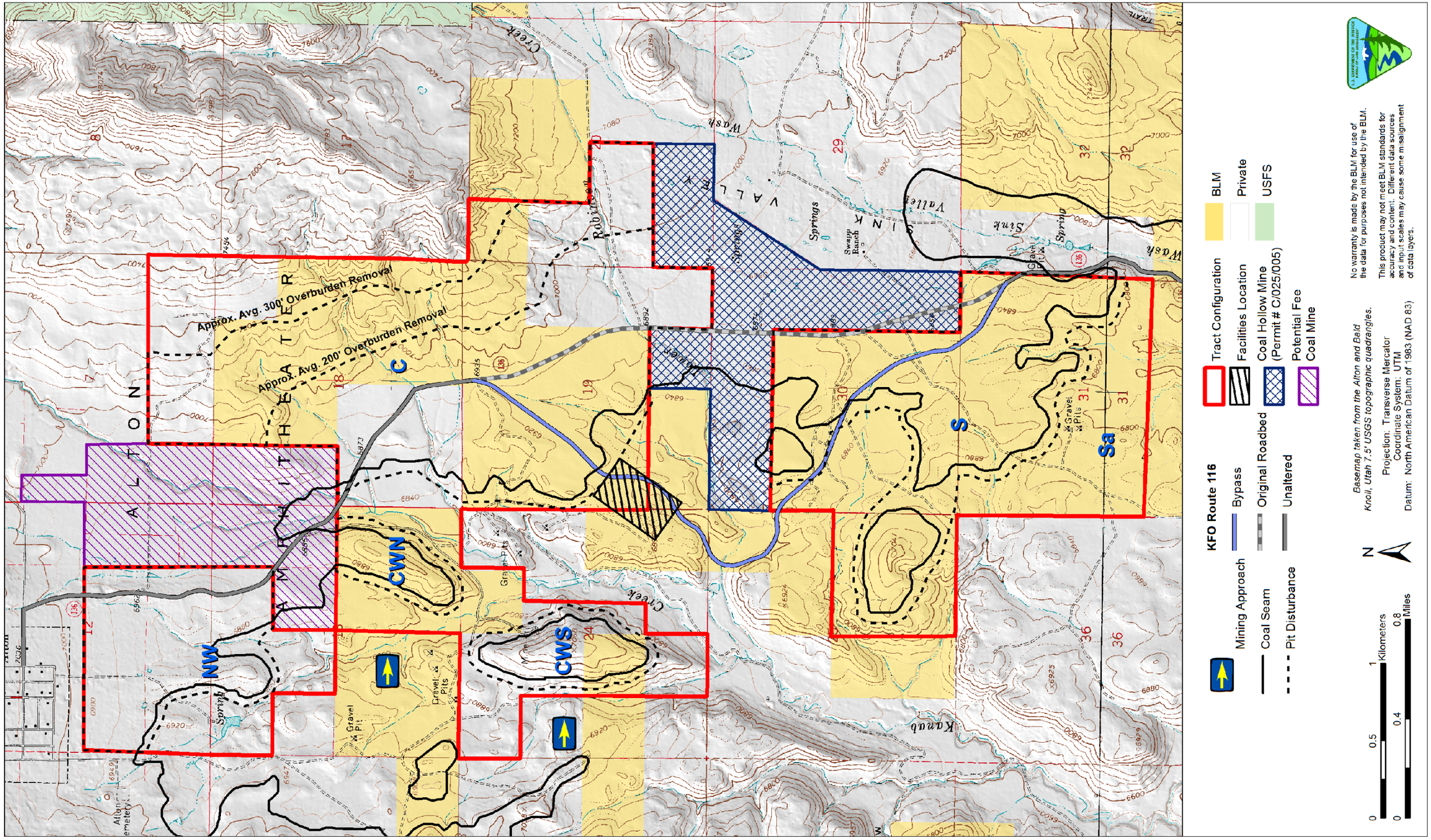
Map 2.5. The Alton Coal Tract configuration under Alton Coal Development's original lease by application submittal (Alternative D).



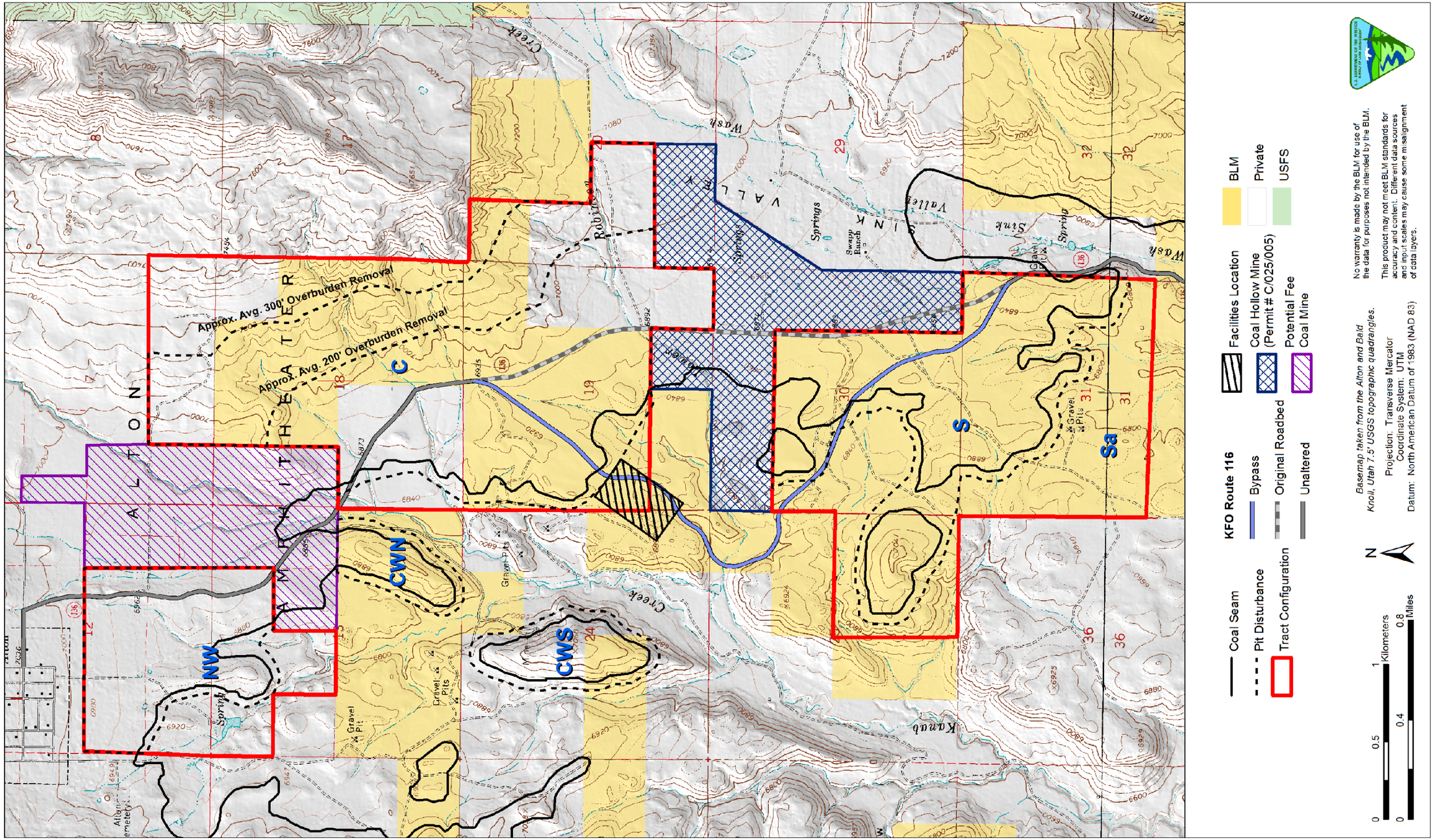
Map 2.6. Alternative K1 where Block NW and Block S of the tract were removed**.**



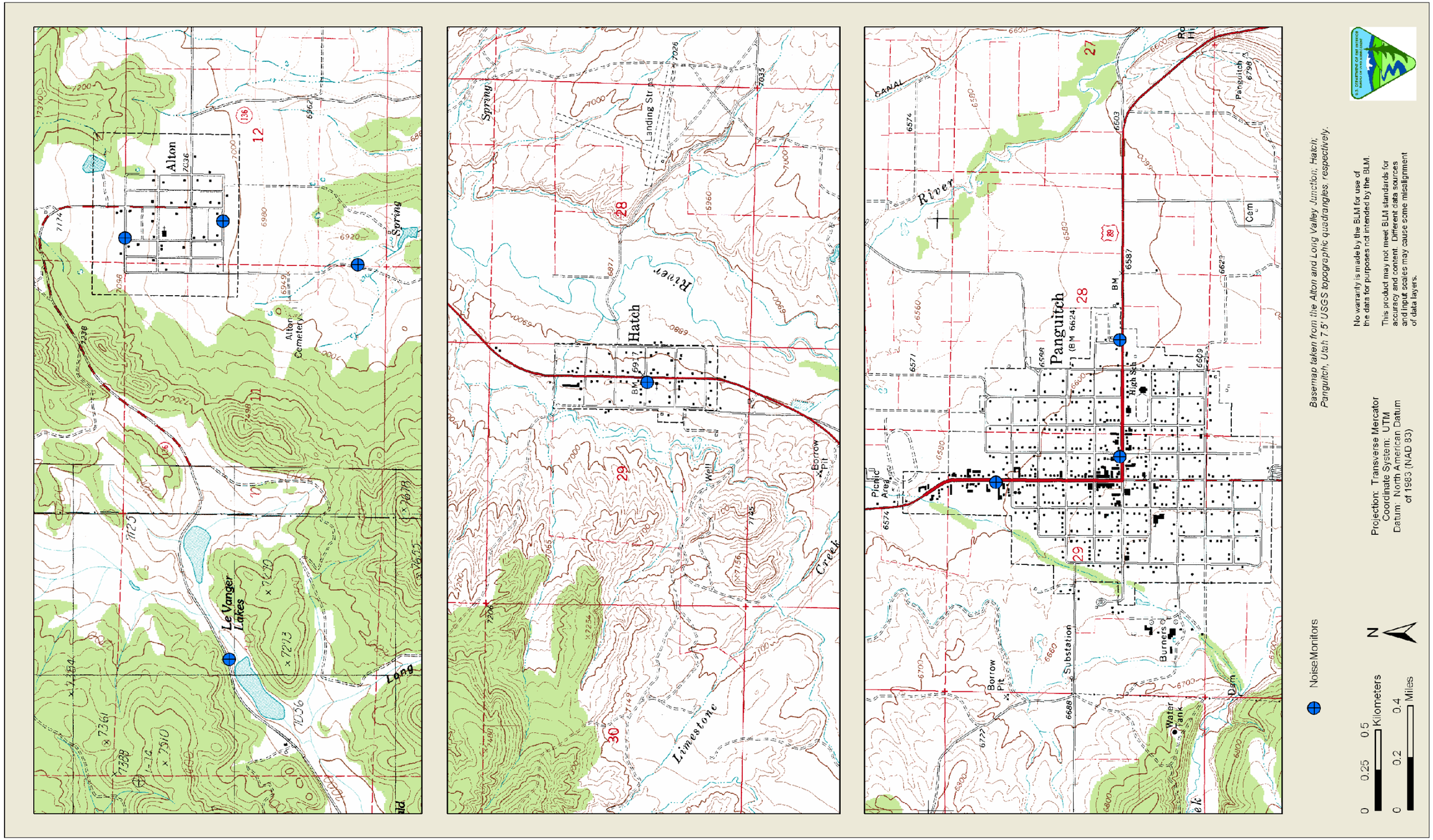
Map 2.7. Alternative K2 would remove small portions of the tract in Block NW and Block S.



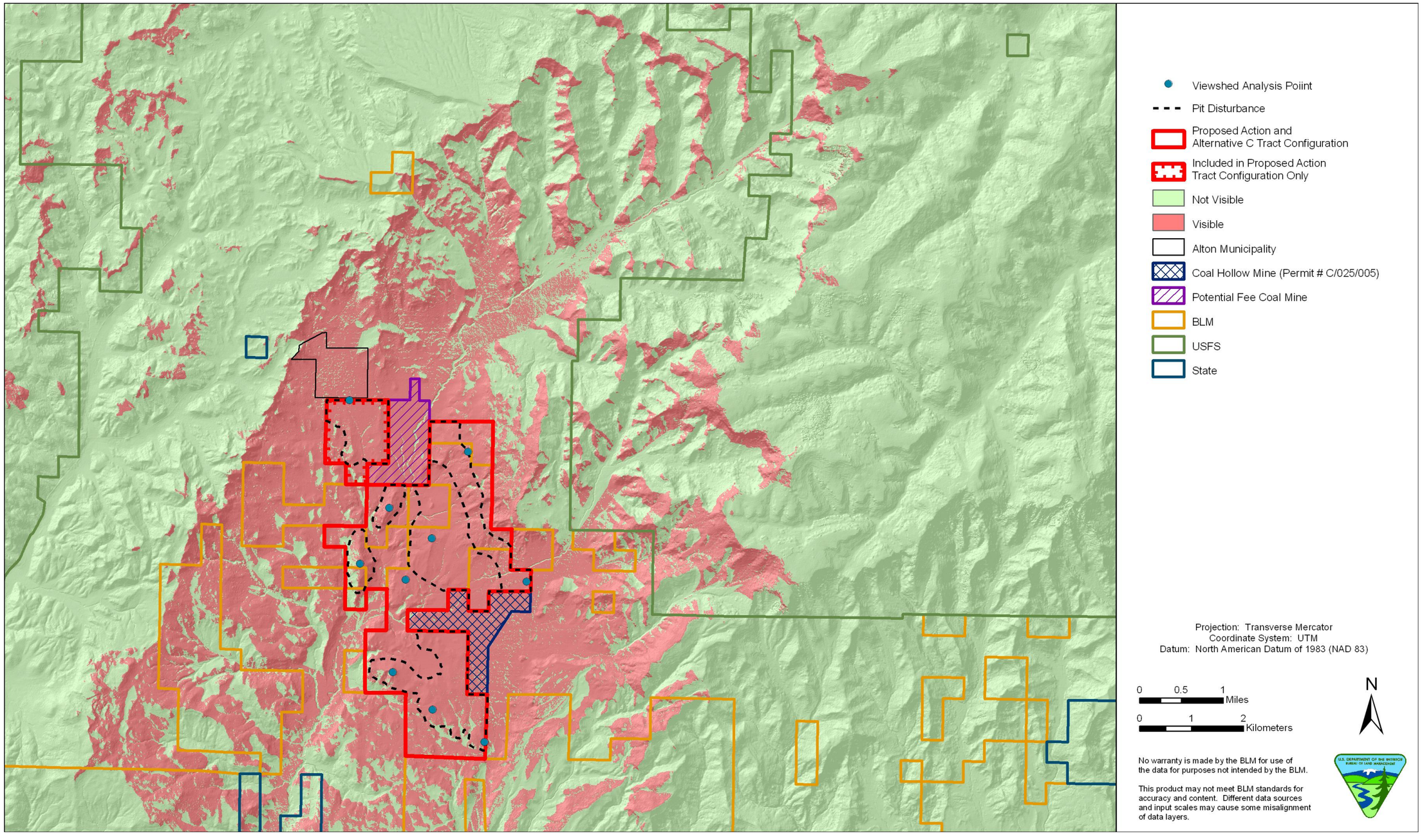
Map 2.8. Alternative L1 would require the mining of Blocks CWN and CWS from west to east and would remove a portion of the tract in the no-coal zone east of these blocks.



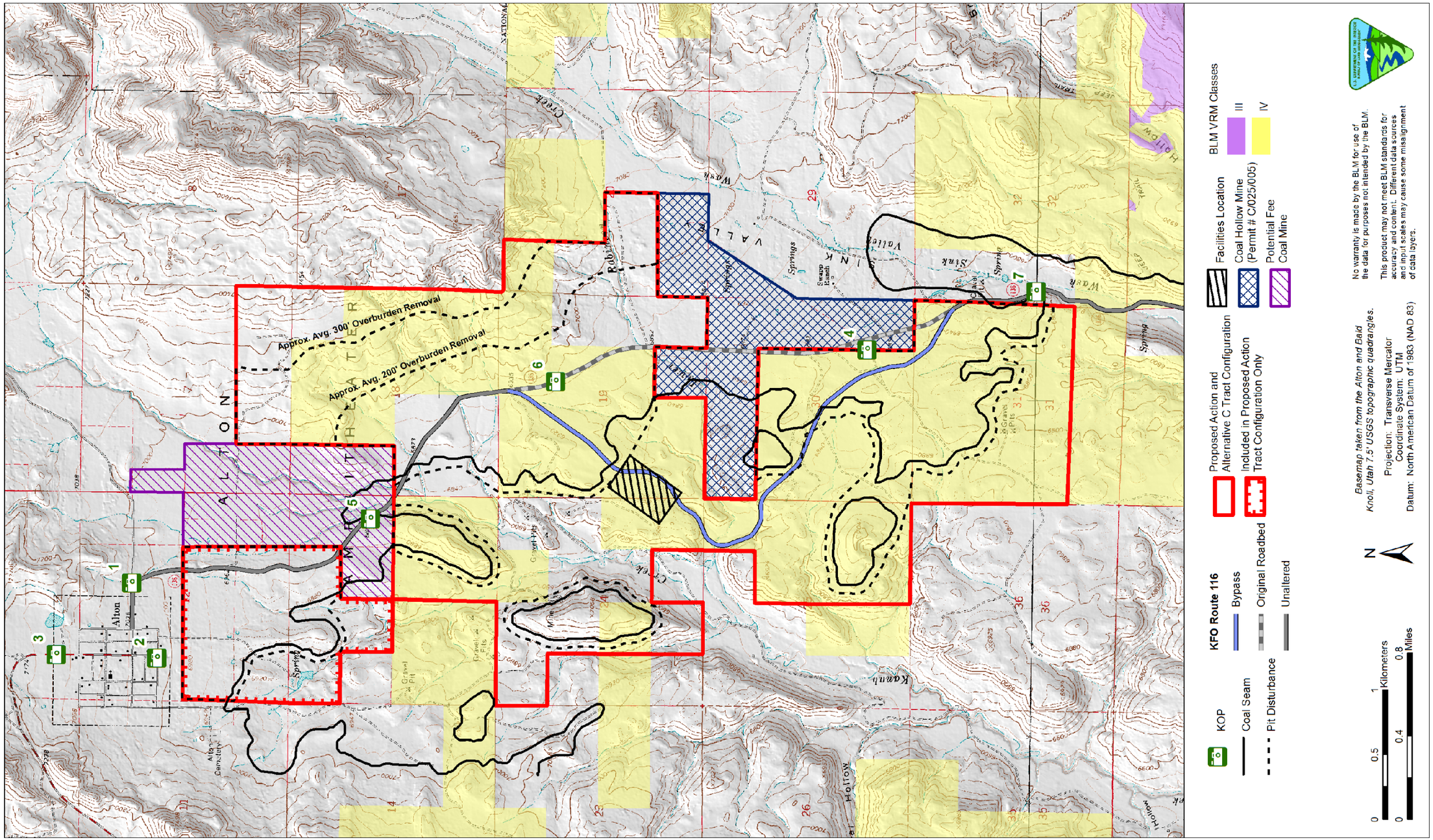
Map 2.9. Alternative L2 would remove Blocks CWN and CWS, including the no-coal zone, from the tract**.**



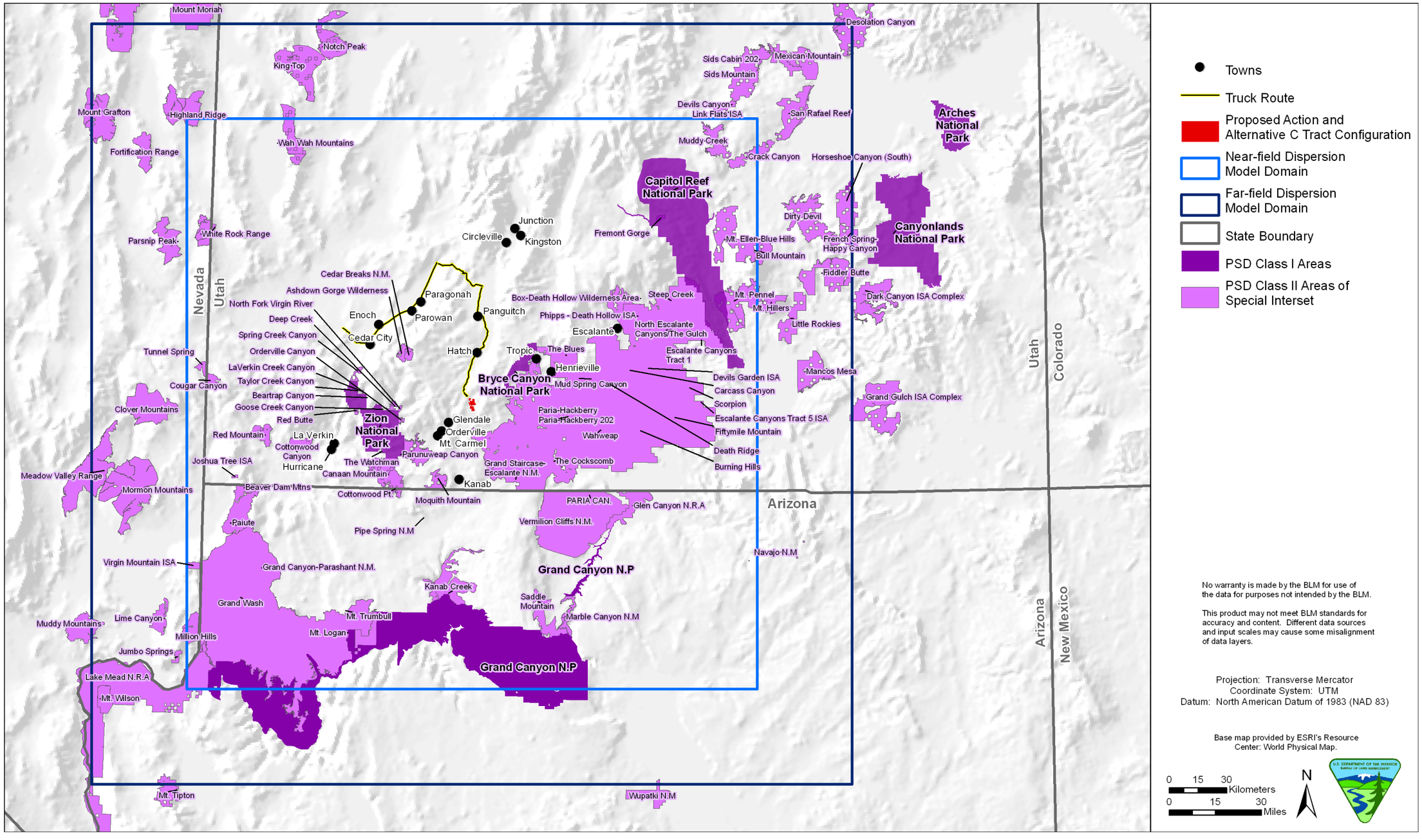
Map 3.1. Measurement points (noise monitors) of outdoor sound levels in Alton, Hatch, and Panguitch**.**



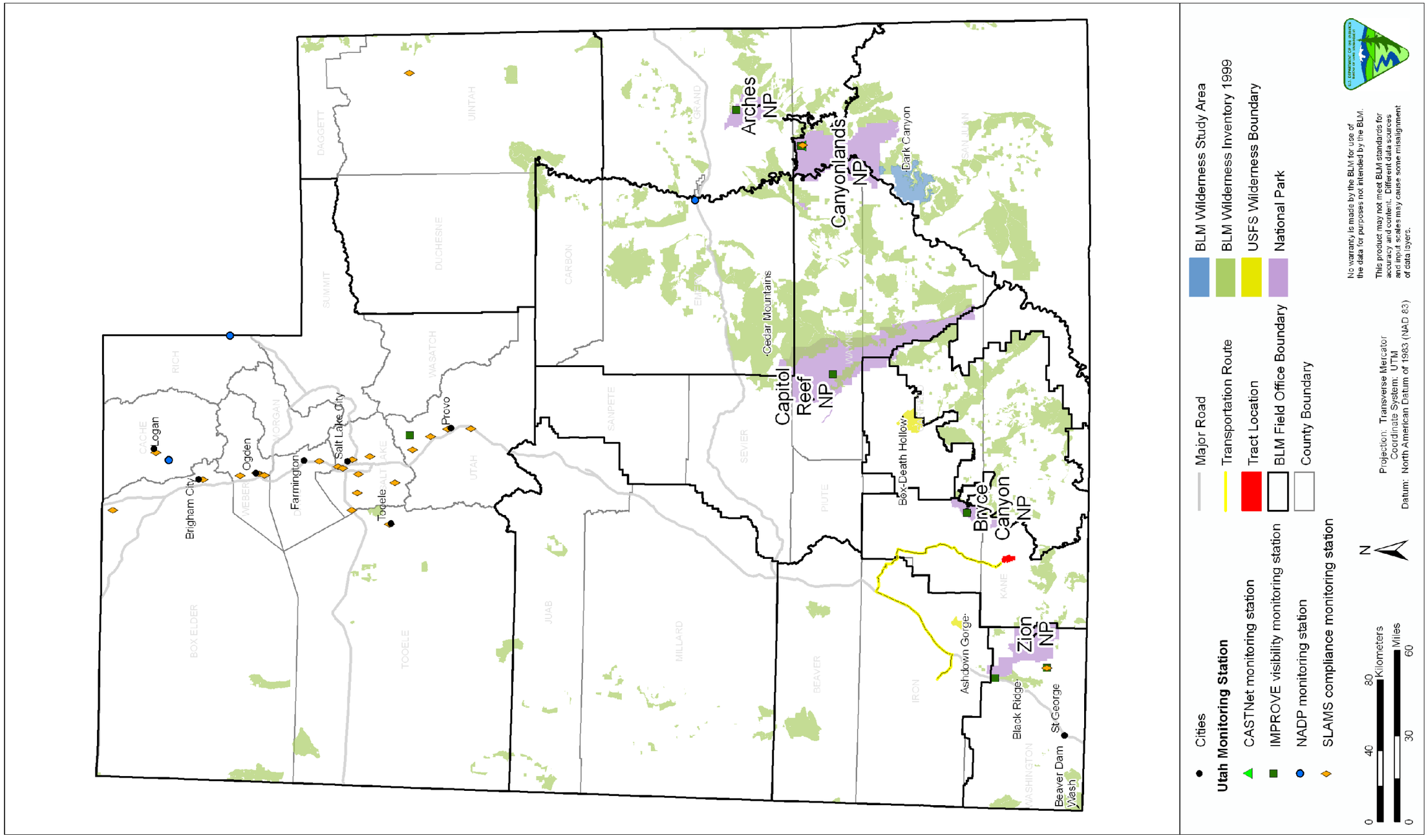
Map 3.2. Visual analysis area with viewshed analysis points (key observation points) in relation to the Alton Coal Tract**.**



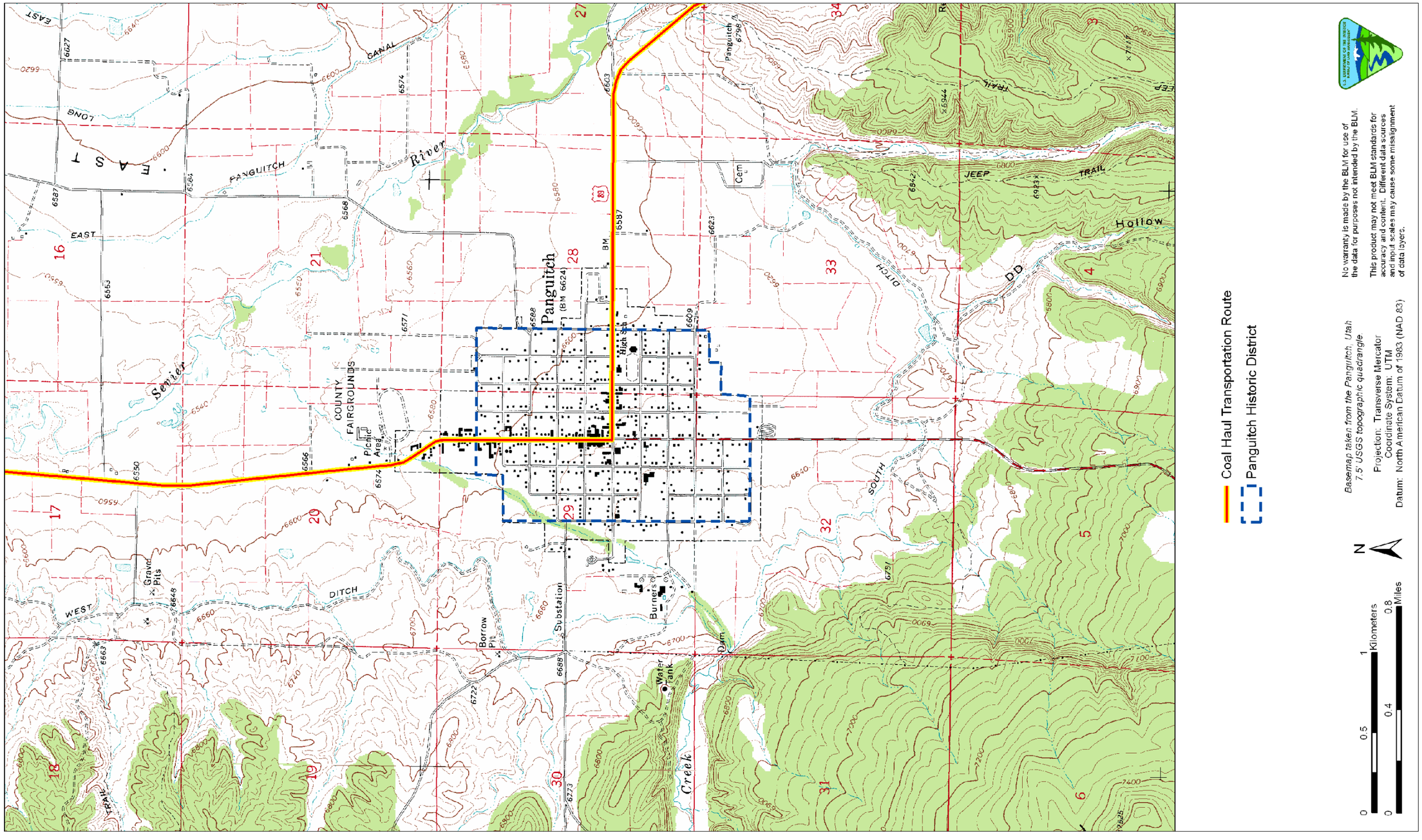
Map 3.3. Visual resource management classes and key observation points in and near to the Alton Coal Tract**.**



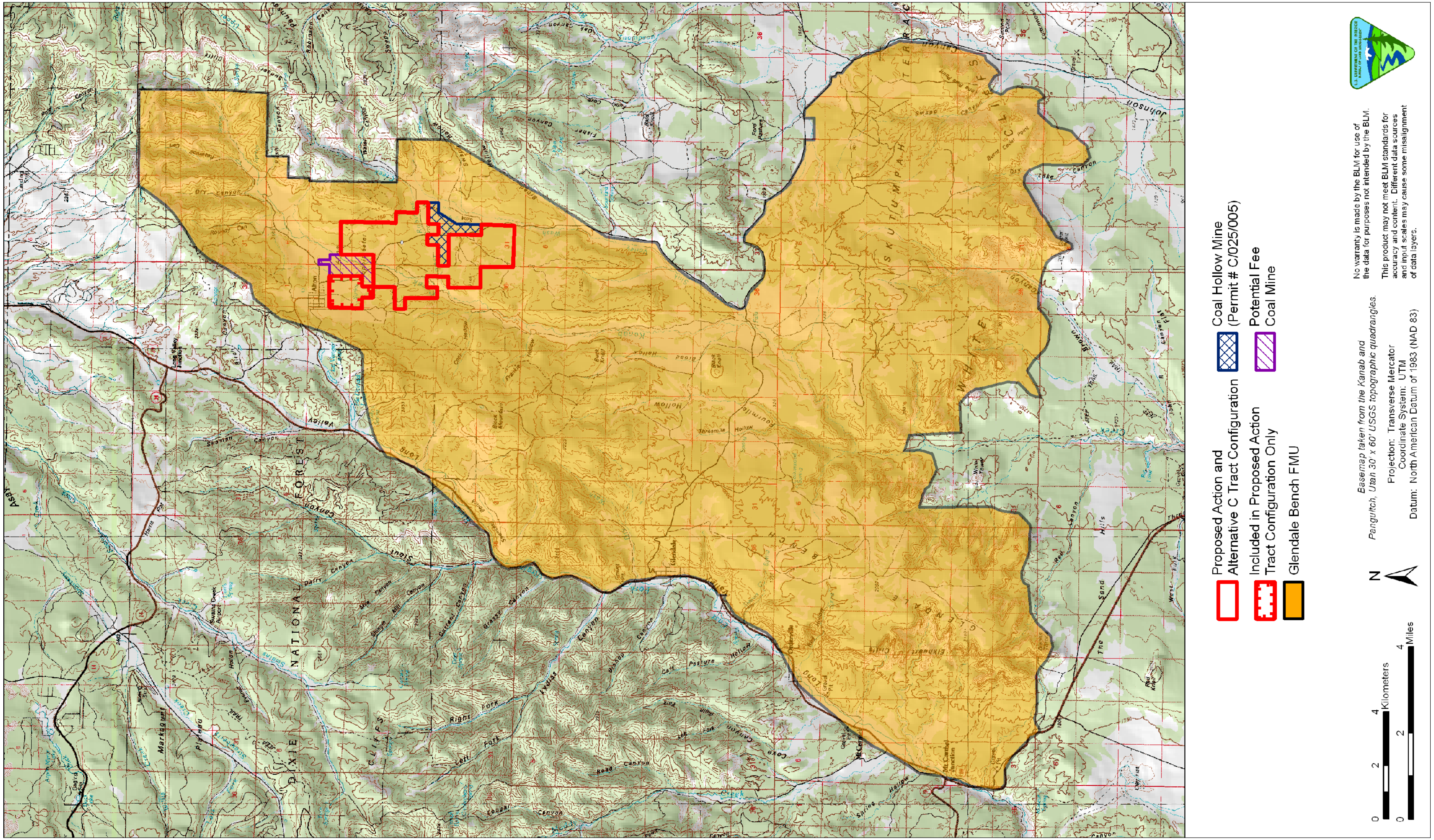
Map 3.4. Air resources analysis area (the near-field and far-field modeling domains).



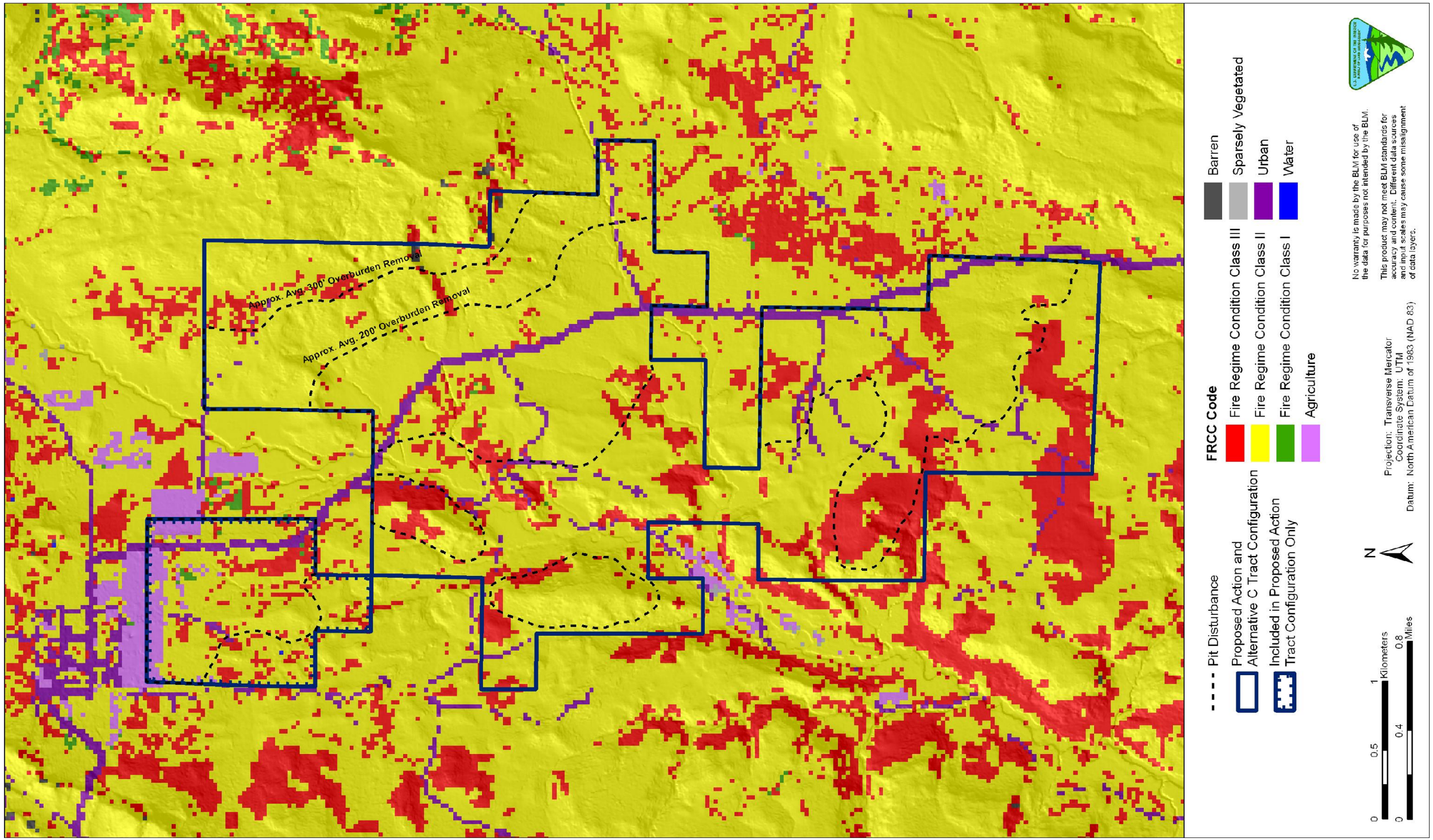
Map 3.5. Air quality monitoring stations in Utah.



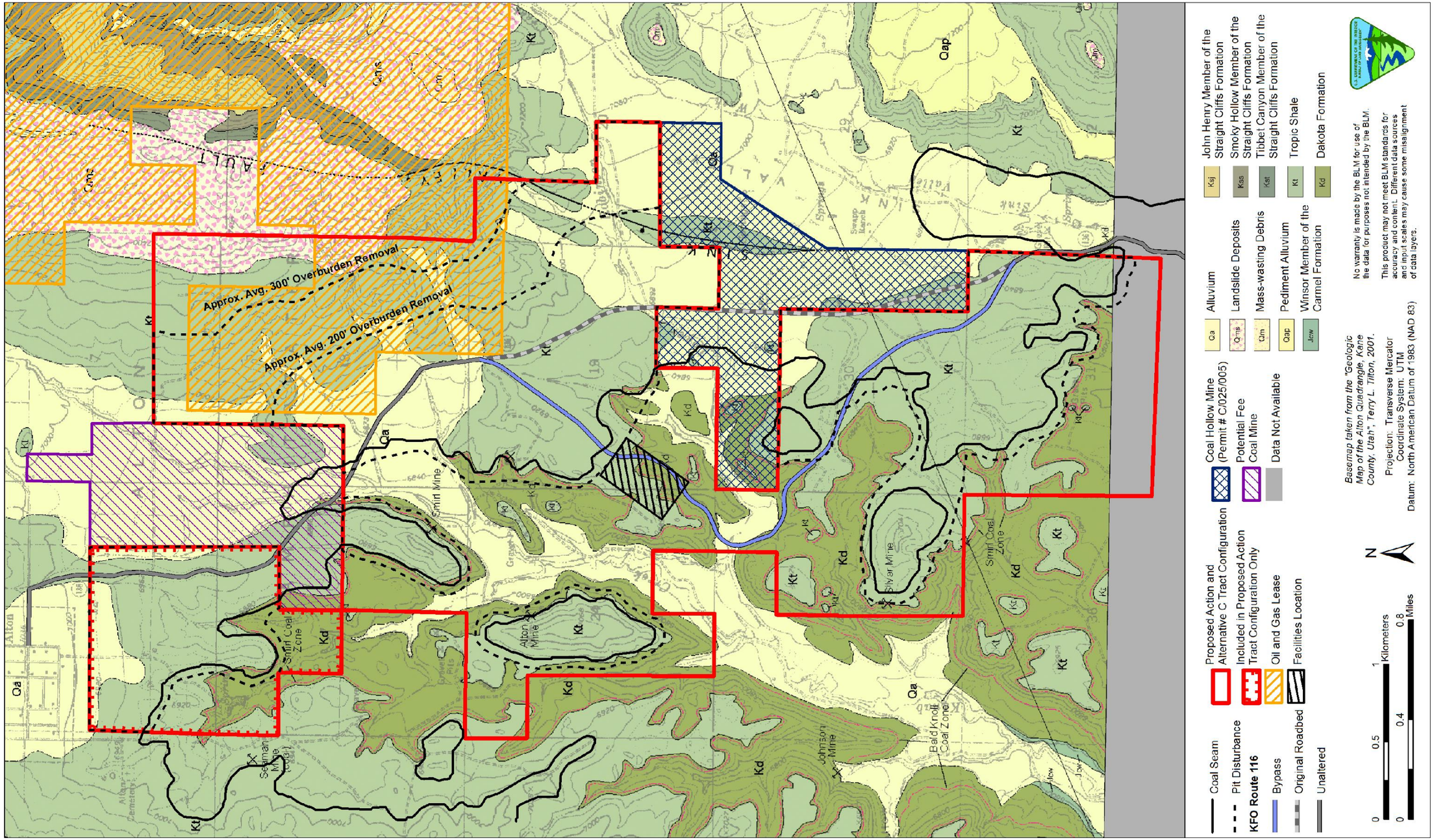
Map 3.6. Map of Panguitch showing historic district boundaries and coal haul transportation route**.**



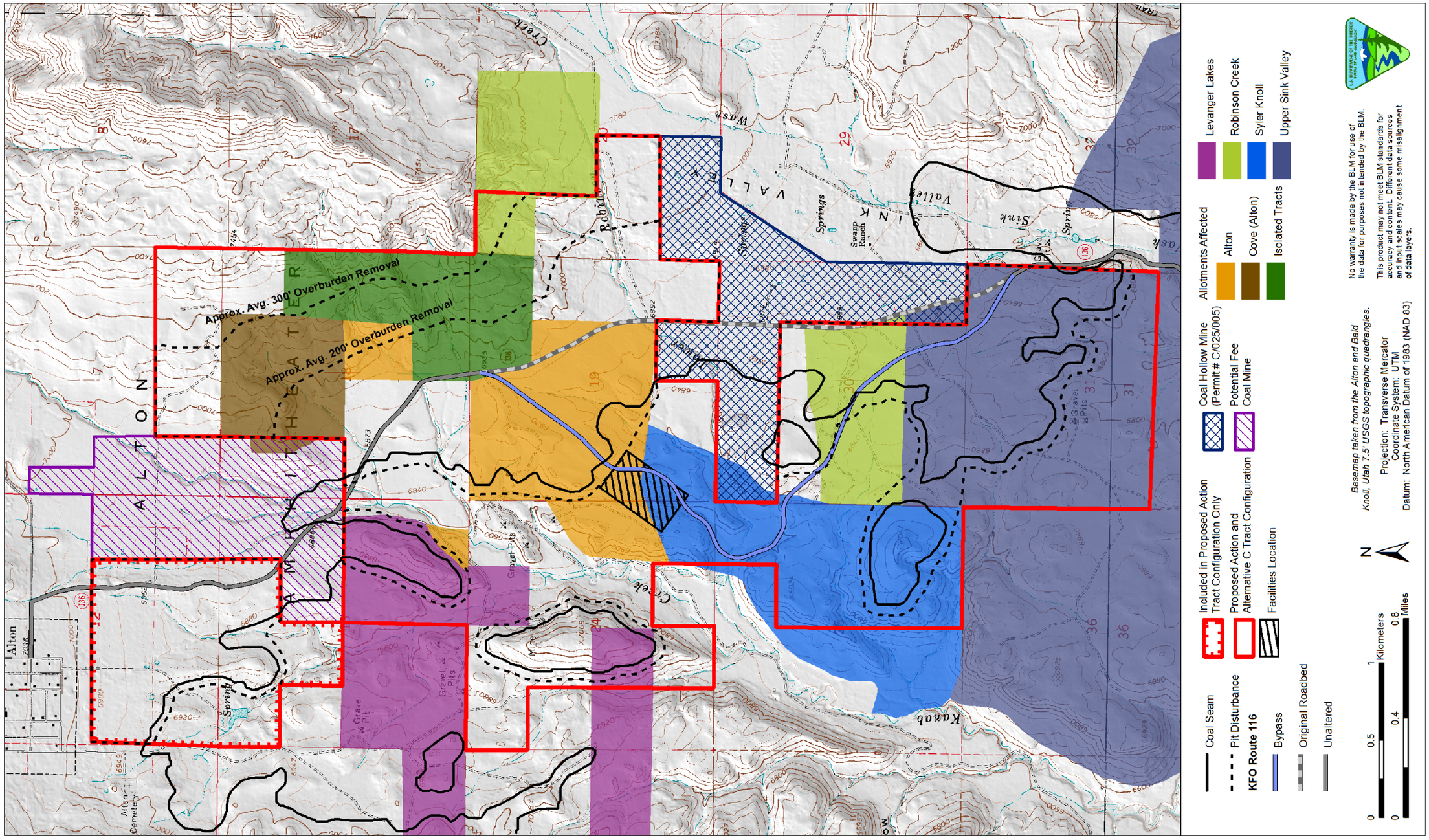
Map 3.7. Glendale Bench Fire Management Unit in relation to the Alton Coal Tract**.**



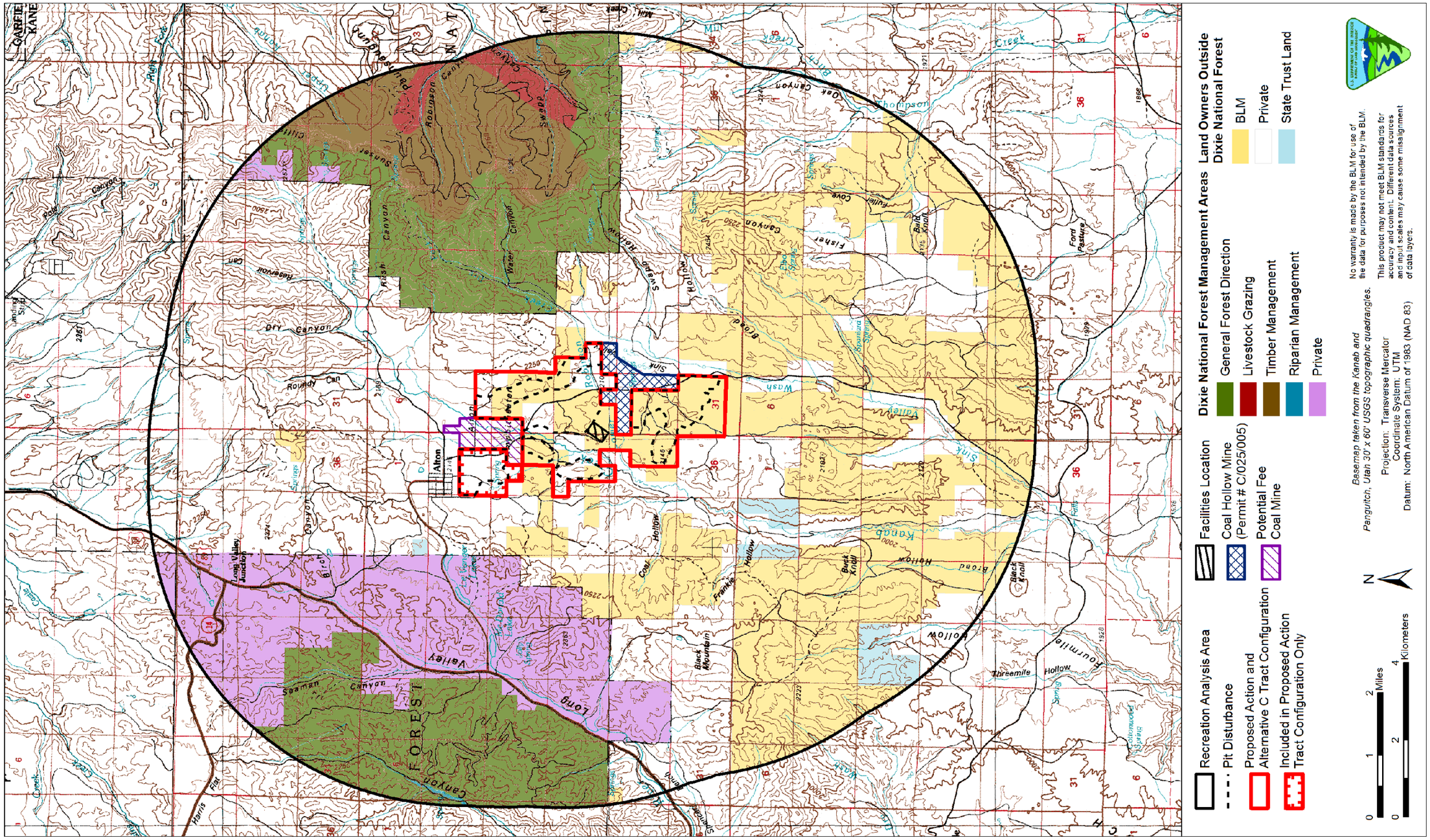
Map 3.8. Fire regime conditions class acreage in the Alton Coal Tract under Alternative B (Proposed Action) and Alternative C.



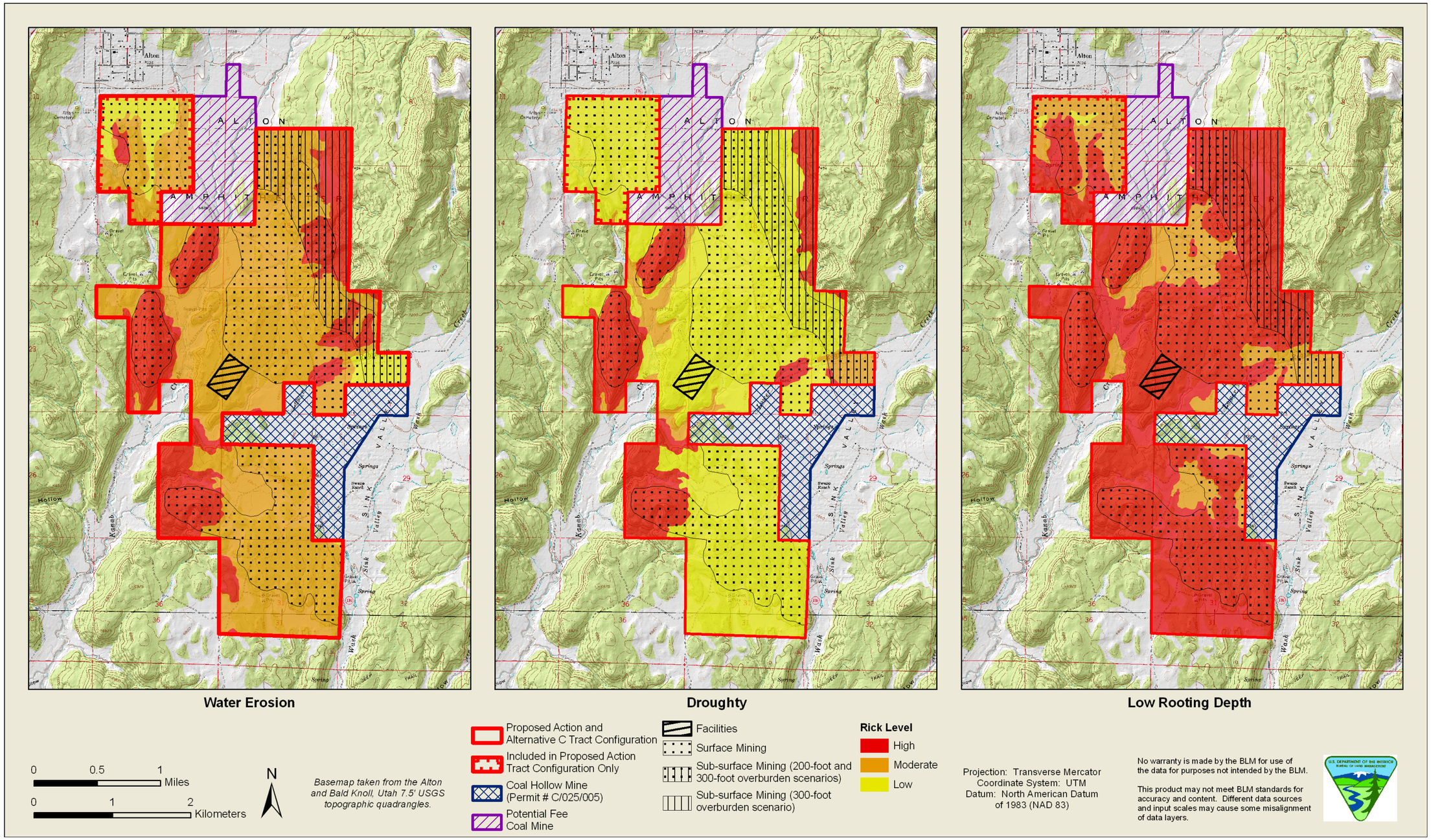
Map 3.9. Geological processes for the Alton Coal Tract.



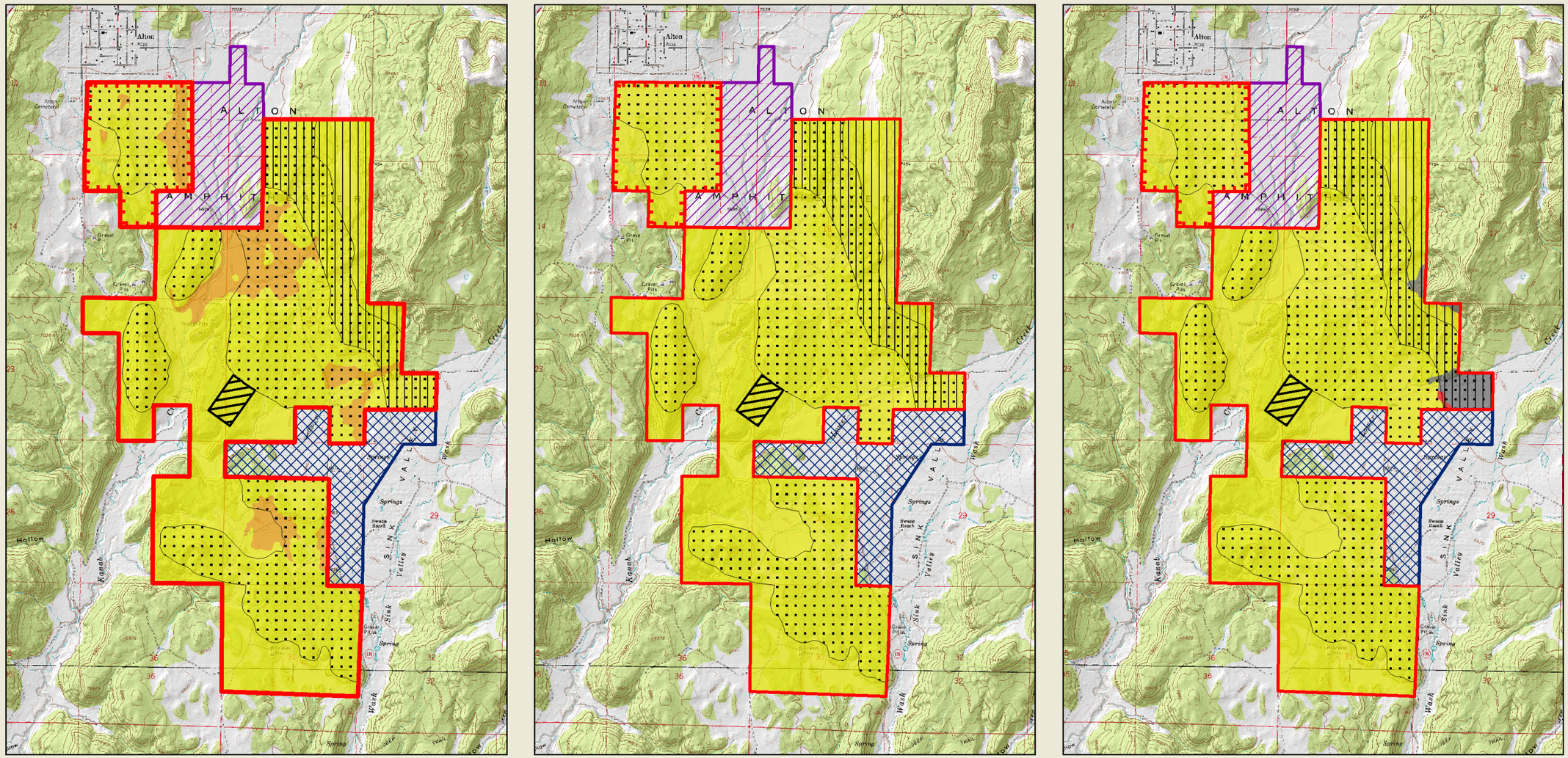
Map 3.10. Grazing allotments in the Alton Coal Tract**.**



Map 3.11. Recreation resources analysis area for the Alton Coal Tract**.**



Map 3.12. Highly erodible, drought intolerant, and shallow soils in the Alton Coal Tract**.**



0 0.5 1 Miles

0 1 2 Kilometers

N

Basemap taken from the Alton and Bald Knoll, Utah 7.5' USGS topographic quadrangles.

Proposed Action and Alternative C Tract Configuration

Included in Proposed Action Tract Configuration Only

Coal Hollow Mine (Permit # C/025/005)

Potential Fee Coal Mine

Facilities

Surface Mining

Sub-surface Mining (200-foot and 300-foot overburden scenarios)

Sub-surface Mining (300-foot overburden scenario)

Risk Level

Low

Moderate

High

Unknown

Projection: Transverse Mercator
Coordinate System: UTM
Datum: North American Datum of 1983 (NAD 83)

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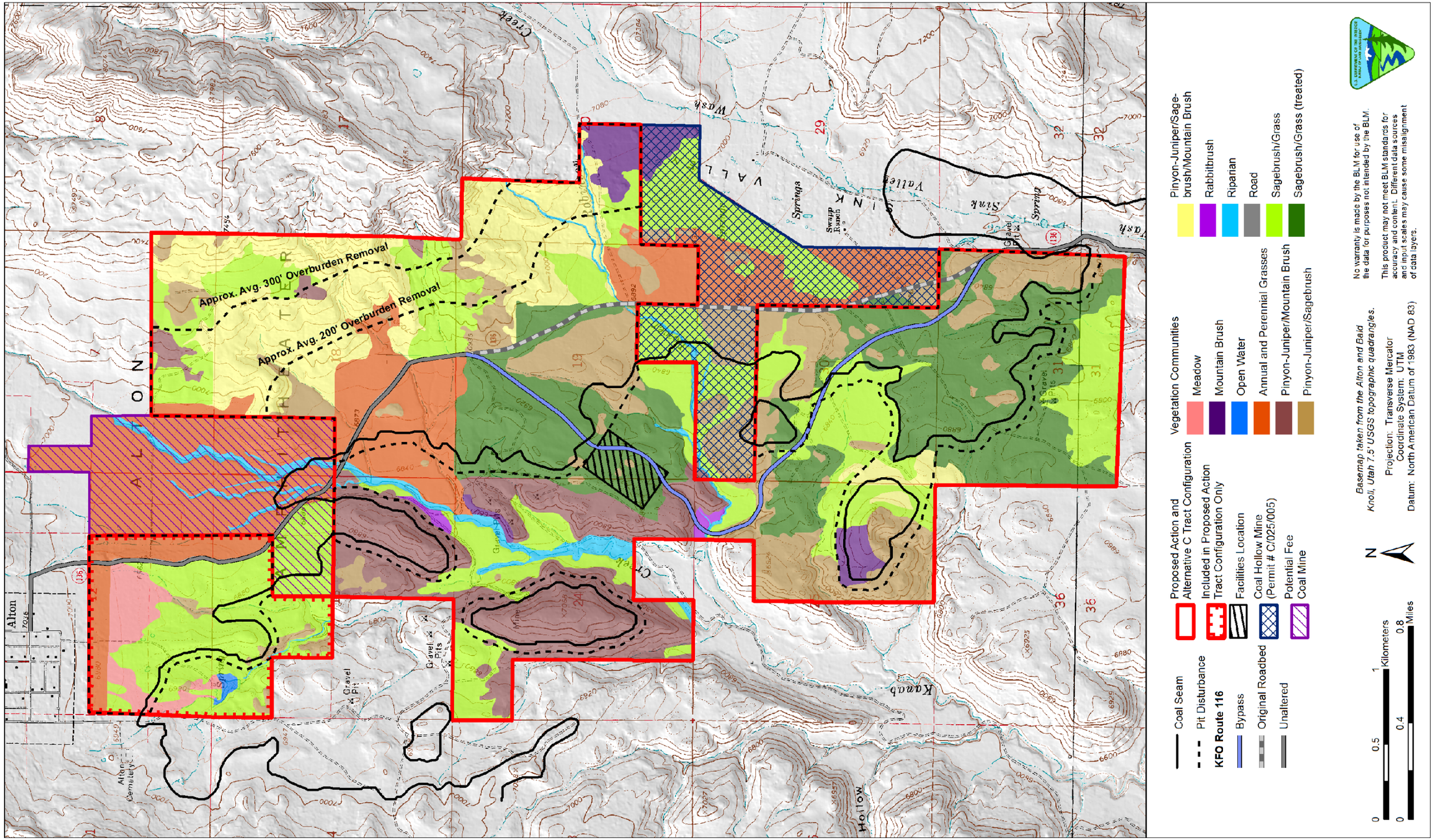
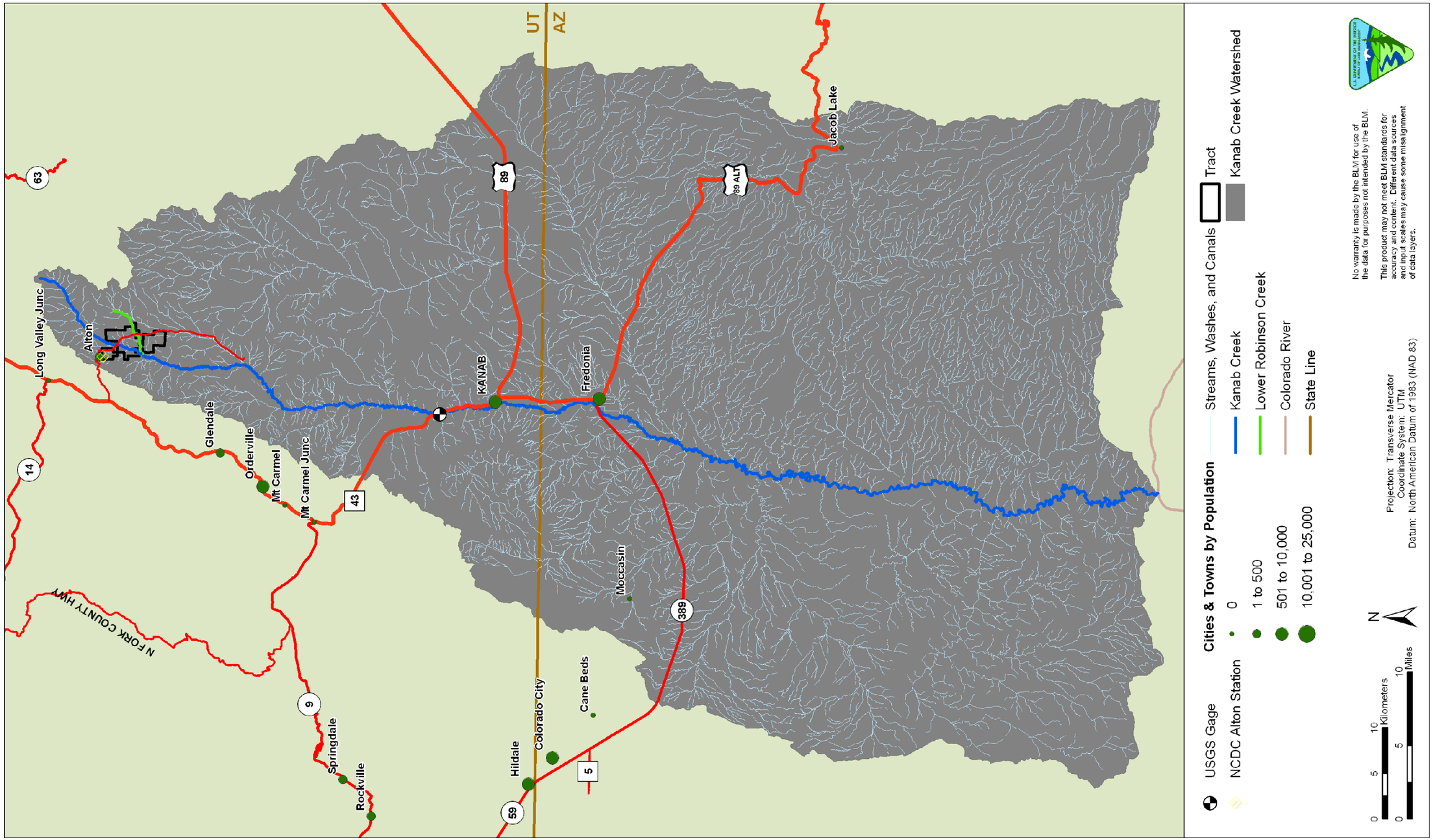
This product may not meet BLM standards for accuracy and content. Different data sources and input scales may cause some misalignment of data layers.

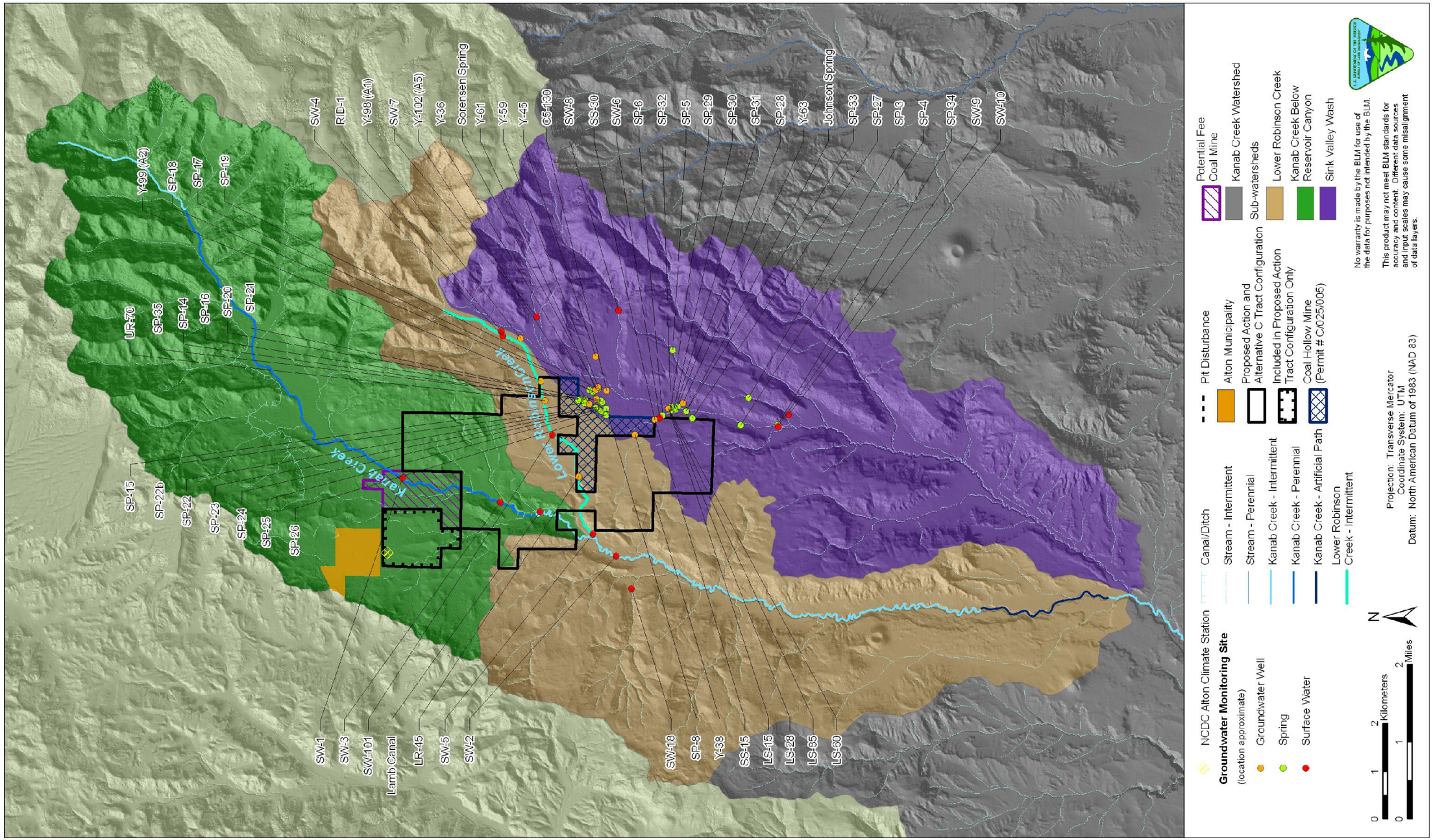
Map 3.13. Alkaline, saline, and sodic soils in the Alton Coal Tract.



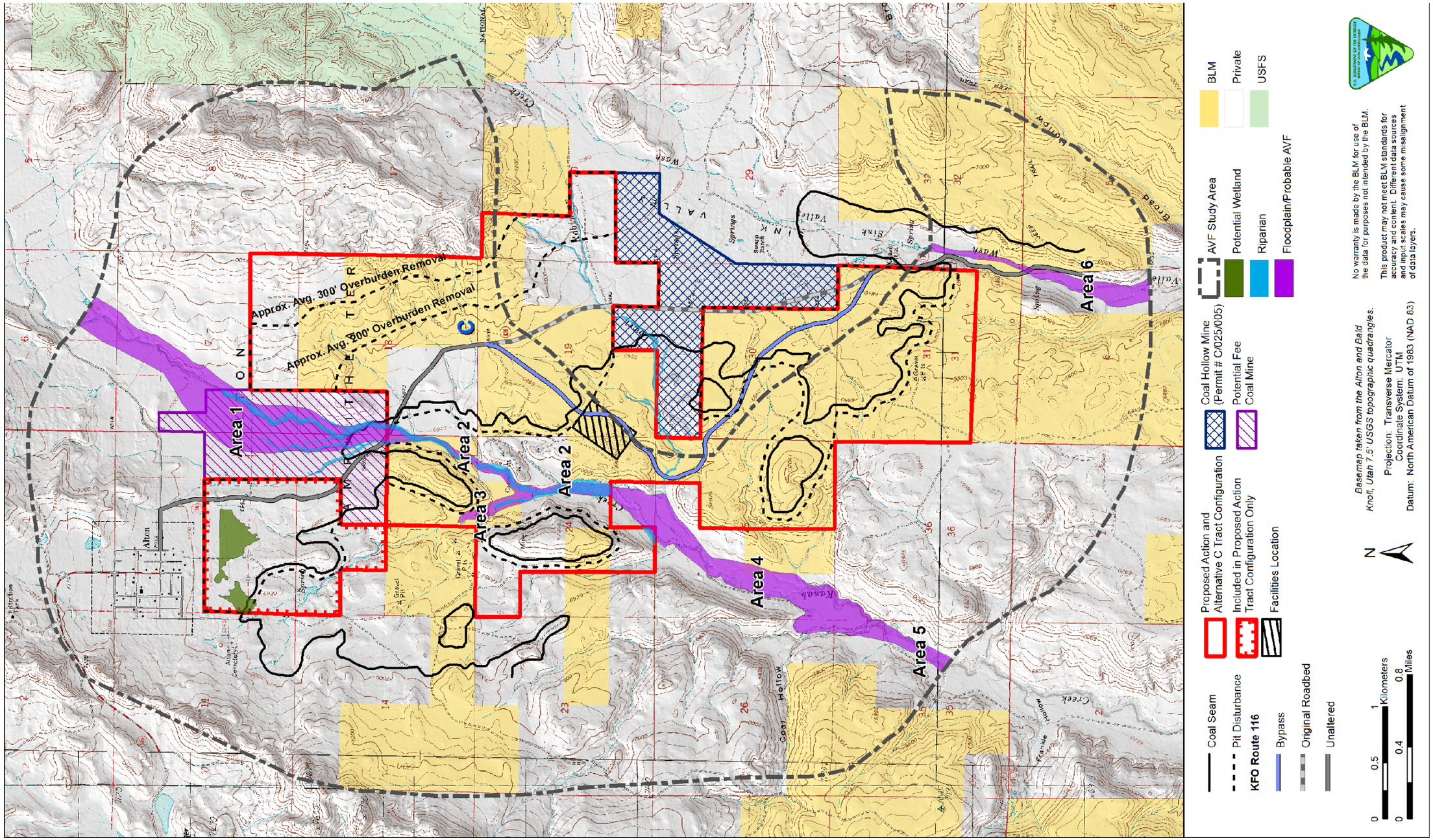
Map 3.14. Vegetation communities in the Alton Coal Tract.



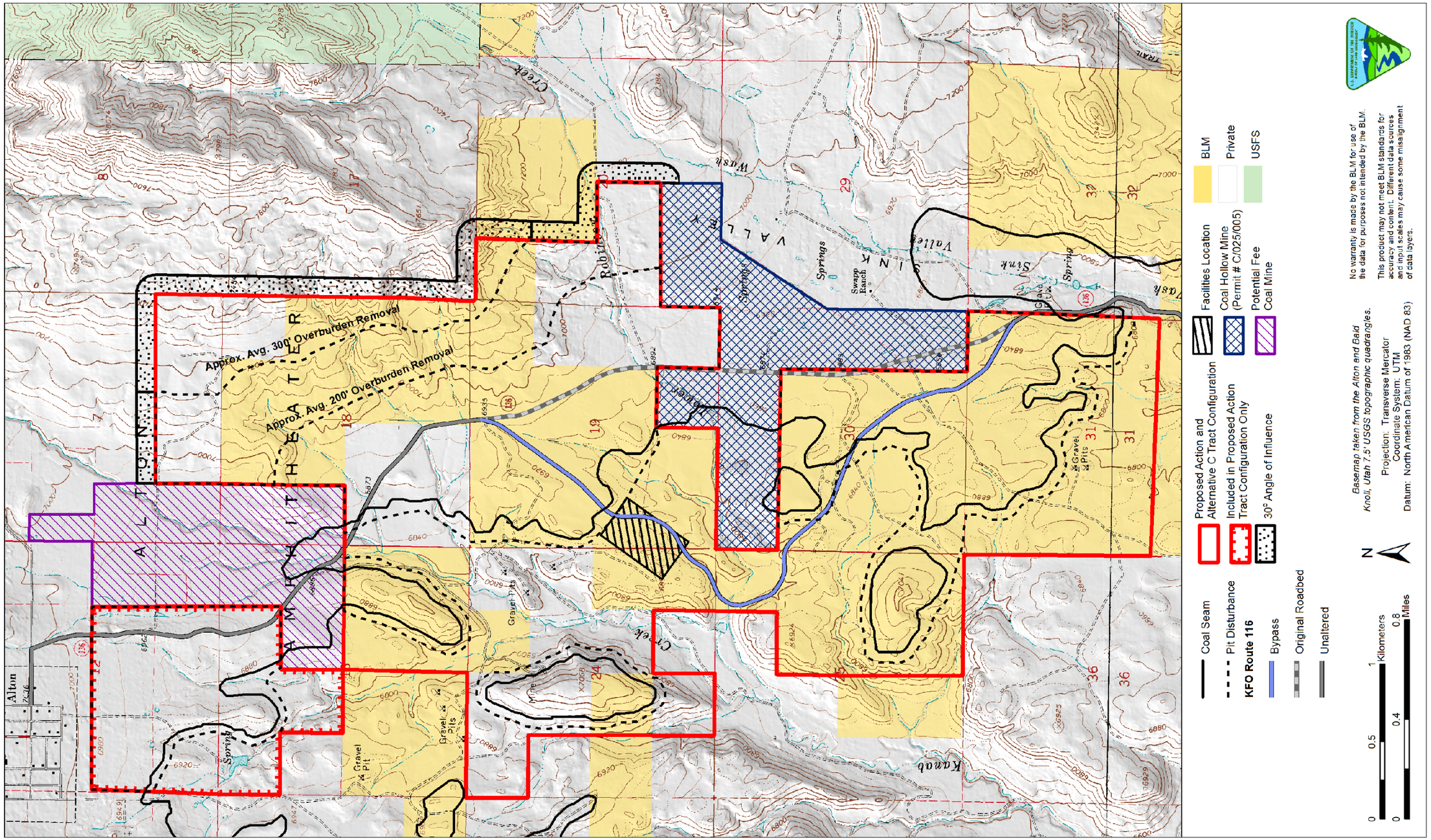
Map 3.15. Entire watershed, National Climatic Data Center station, and U.S.Geological Survey gage downstream on Kanab Creek.



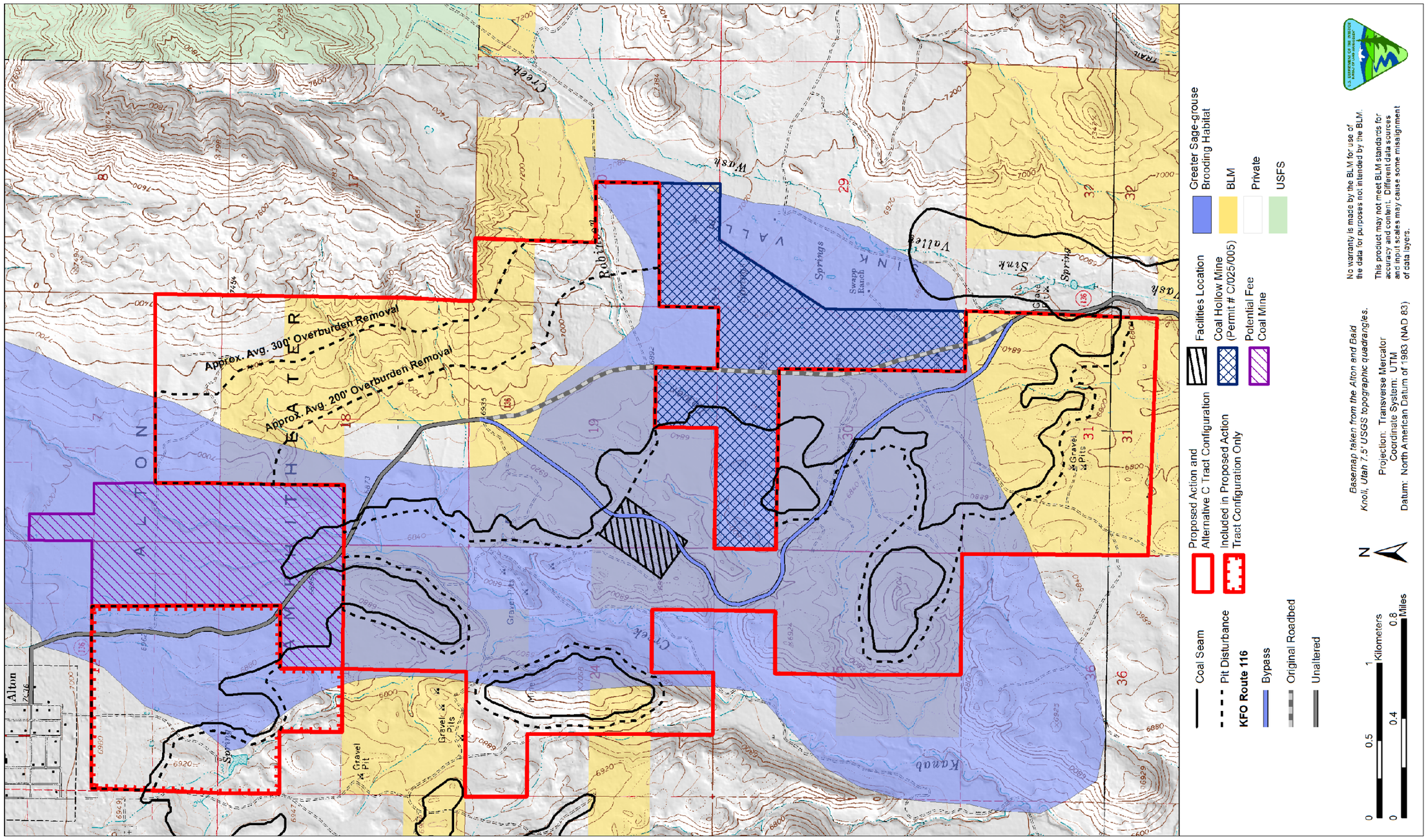
Map 3.16. National Climatic Data Center station, intermittent and perennial streams, three main sub-watersheds, and surface water monitoring stations in tract**.**



Map 3.17. Potential wetlands, floodplains, and probable AVFs, in addition to the AVF study area, in relation to the Alton Coal Tract**.**



Map 4.1. Assessment area for gas and minerals, including the 30° angle of influence**.**



Map 4.2. Greater Sage-grouse brooding habitat in and near the Alton Coal Tract.