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Chapter 4 Land Use and Air Quality

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R645-301-400 Land Use and Air Quality

R645-301-410 Land Use

1Co-Op mining property and adjacent area is currently used for grazing, recreation and coal mining. Plates 2-2 [1-2](#) and 2-3 [1-3](#) coupled with Table 2-4 [1-3](#) show the fee ownership and leasehold interests adjacent to the permit boundary and the fee ownership of contiguous areas. This information provides a guide to the land uses of the various parcels.

1Surface Land Status/Mine Plan

The land within the Bear Canyon Mine permit area fall under the jurisdiction of the State of Utah, U.S Forest Service, Emery County, and private surface owners.

County zoning ordinances classify the permit area as MG-1 (Mining and Grazing) and CE-1 (Critical Environment) as shown on Plate 2-2 [1-2](#). Site Plan approval has been issued by Emery County to approve mining.

Ownership

Plates 2-2 [1-2](#) and 2-3 [1-3](#) show the ownership of property within and contiguous to the permit boundaries. Ownership of land parcels within the permit boundaries are designated by capital letters. See Chapter 2 [1](#), Table 2-4 [1-3](#), for letter designation.

Surface Managing Authorities

Plate ~~2-2~~ 1-2 shows the surface ownership for each parcel within the permit boundaries. The local, state, and federal managing authorities are Emery County, State of Utah, Bureau of Land Management and the U.S. Forest Service.

1 Utility Corridors and Other Right-of-Ways

Co-Op has been granted a mine access right-of-way in Section 26 along the Paved County Road accessing Bear Canyon. Utility corridors, such as power lines, telephone lines and water pipes, are shown on Plates ~~2-4~~ 5-2. All coal mining and reclamation operations will be conducted in a manner which minimizes damage, destruction, or disruption of services provided by oil, gas, and water wells; oil, gas, and coal slurry pipelines, railroads, electric and telephone lines; and water sewage lines which pass over, under, or through the permit area.

No oil, gas, or water wells, pipelines, railroads, electric and telephone lines, or water and sewer lines exist within the permit area except those associated with the mining operation, as described in ~~chapter 3~~ R645-301-521 and shown on plates ~~2-4A~~ 5-2A thru ~~2-4G~~ 5-2G.

Special use Permits and Leases

Co-Op leases land owned and leased by COP Development Company. Special use permits and information are shown in ~~Chapter 2~~ 1.

Mineral Ownership/Mine Plan Area

Other than coal, no minerals of value have been mined within the lease and permit area. No other mineral resources are known to be present in commercial quantities however there is potential for discoveries.

Coal Ownership and Mines (Permit Area and Contiguous Areas)

Coal ownership and mines in the permit area and contiguous areas are shown on Plate ~~2-3~~ [1-3](#) and listed with addresses in ~~Section 2-2~~ [R645-34-112.330](#), Table ~~2-1~~ [1-1](#).

Coal Leases

The following coal leases are held by Co-Op adjacent to the permit area. For the locations of these coal leases, please refer to Plate 2-3.

Trail Canyon Permit Area
Bear Canyon Permit Area
BLM U-024316
BLM U-024318
BLM U-46484
BLM U-020668
BLM U-38727
[BLM U-61048](#)
[BLM U-61049](#)

Mineral Leases

BLM U-024316 (See Appendix ~~2-F~~ [1-E](#)).
BLM U-024318 (See Appendix ~~2-F~~ [1-E](#)).
BLM U-46484
BLM U-020668
BLM U-38727
[BLM U-61048](#)
[BLM U-61049](#)

Oil and Gas Ownership and Leases

Co-Op represents no interest in oil or gas leases in the permit area. Federal Oil and Gas Leases U-38968 and U-58422 lie within the same area.

R645-301-411 Environmental Description

HISTORICAL AND CULTURAL RESOURCES

SCOPE

The project area is situated in the Wasatch Plateau mining area, approximately 15 miles west-southwest of Huntington, Utah USGS 7.5 Minute topographic quads of the project area include those and adjacent areas.

Surface within the large intensive survey area include privately owned, state, and Bureau of Land Management (BLM) administered lands, and U.S. Forest Service.

Environment and Locality

The Co-op Mining Company (Co-Op) project area is located on the east flank of the Wasatch Mountain Range. The highland locations are situated above the 8,000-ft. elevation adjacent to the and within Manti-LaSal National Forest while the larger mine facility in Bear Canyon lies at the base of the Wasatch Plateau between the 6,800 and 8,000-ft. elevations.

Grazing. Private land owned by COP Development Company in and contiguous to the Permit area is presently used for grazing. Grazing occurs on Leases U-024316, U-020668 and U-38727, U-61048, and U61049 is managed by the U.S. Forest Service.

Recreation. Recreational use of the area affected by mining operations consists primarily of hunting and camping. Heavy hunting of mule deer occurs on the area. Camping frequently occurs on land adjacent to the property. The property owned by C.O.P. Development Company in and adjacent to the permit is currently leased to Sportsman's, Inc. as part of a Private Hunting Unit (PHU). This PHU includes a hunting cabin located adjacent to the Wild Horse Ridge within the permit. Recreational access to this facility is provided by the Bear Canyon Haul Road, the Wild Horse Ridge #3 and #4 Mine access roads.

Forestry. Merchantable timber is found within the mine permit area primarily on the flanks and top of McCadden Ridge within Lease U-024316, although much of the area is covered by pinyon pine and juniper. Limited resources also exist in the bottom of Bear Canyon, primarily within the Right Fork area.

Mining. The type and extent of mining activities are discussed in detail in [Chapter 5](#).

However, in the event that C. W. Mining is in a position to permit new facilities on disturbed ground, it has committed to a thorough Paleo-Archo Survey prior to any new disturbances. Also, should any evidence of Pale-Archo finds be discovered in the course of present construction, the site will be roped off and construction halted until the Historical Division is contacted. However, a survey was conducted the summer of 1984 and 1990 for those areas which may be adversely impacted by subsidence. This information was submitted as [Appendix 4-A](#). [Appendix 4-B](#) contains the results of a survey of the Wild Horse Ridge Area which was conducted in 1982. [Appendix 4-C](#) contains the results of a survey of the Wild Horse Ridge Tank Seam Area conducted in 2001. [Appendix 4F contains the results of a 2004 cultural resource survey of the Wild horse Ridge subsidence area. Appendix 4H and 4I contain 2006 cultural resource studies for the Mohrland lease and fee area addition.](#)

At the request of the U.S. Forest, an additional thorough literature search will be conducted for any cultural resources within those areas that may be adversely impacted by subsidence. Co-Op Mining Company commits to conducting this literature search prior to any retreat mining within the Wild Horse Ridge area.

Application of the National Register Criteria of Eligibility, as defined under 36 CFR 60.6, indicates that there is one site within the permit area which would be considered a candidate. This is the Bear Creek Rock Shelter (Site 42 EM 1572).

411.141 Cultural and Historic Resources Maps

These maps are located inside the reports on the specific areas.

Regrading and Reseeding. Erosion that develops in completed areas will be minimized by repeated grading and seeding.

Success Monitoring and Extended Responsibility Period. Vegetation and water will be monitored during the applicable period of liability to determine success of abandonment reclamation. A determination of revegetation success will then be made.

412.120 N/A

412.130 Alternative Post-Mining Land Use

No proposed post-mining land use is different from the pre-mining land use.

412.140 Considerations of Surface Owners

Consideration has been given to make all of the proposed land use consistent with owner plan and applicable Utah and local land use plans. Additionally correspondence will continue between C. W. Mining Company and the land owners to assure proposed post mining land use will be consistent with their land use plans. Copies of this correspondence will be included in [Appendix 4-C](#).

412.200 Land Owners Comments

This is included in [Appendix 4-C](#).

412.300 Suitability and Compatibility

Plans for final fills and surface regarding is discussed in [Chapter 5](#).

R645-301-420 Air Quality

R645-301-421 Compliance with the Clean Air Act

Coal mining and reclamation operations are conducted in compliance with the Clean Air Act and the Utah State Department of Health Air Conservation Regulations as outlined in the Air Quality Approval Order found in [Appendix 4-D 4-G](#).

R645-301-422 Coordination and Compliance with Utah Bureau of Air Quality

C. W. Mining Company is operating under Approval Order # DAQE-145-02 ([Appendix 4-D 4-G](#)) issued by the State of Utah Department of Environmental Quality Division of Air Quality. Additionally C. W. Mining Company is regularly inspected by representative of the Division of Air Quality to assure compliance with the Approval Order and the Clean Air Act and the Utah State Department of Health Air Conservation Regulations .

R645-301-423 Air Pollution Control Plan

C. W. Mining Company will control air pollution by watering roads, drop points, and storage piles as outlined in Approval Order # DAQE-145-02 found in [Appendix 4-D 4-G](#).