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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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October 3, 2002

TO: Internal File
THRU: Daron R. Haddock, Permit Supervisor *DRH*
FROM: *PB* Priscilla W. Burton, Sr. Reclamation Specialist/Soils, Team Lead
RE: Technical Field Visit, Winter Quarters Drainage, North Lease Application, Canyon Fuel Company, LLC., Skyline Mine, C/007/005-SR02I

DOGM Attendees: Priscilla Burton, Joe Helfrich and Wayne Western

Other Attendees: Dale Harbor and Katherine Woodfield, U.S. Forest Service
Diana Whittington, U.S. Fish & Wildlife Service
Leroy Mead, Utah D.W.R.
Stan Perks, U.S. Bureau of Land Management
Chris Hansen and Doug Johnson, Canyon Fuel Company

Date & Time: September 27, 2002, 1:30 p.m. – 4:30 p.m.

PURPOSE:

To observe the existing condition of the Winter Quarter's watershed and the extent of flow in the tributaries to Winter Quarters Stream.

OBSERVATIONS:

Sheep and cows have used the area extensively inside the Forest Service Boundary. Vegetation along the mountainside and by the stream was heavily grazed. Water was flowing in the main canyon. Photographs of this field visit can be seen in 007005.sky/Images/09272002 and will be available on the FTP site. Drawing No. 2.2.7-7 was used during this field visit.

TECHNICAL FIELD VISIT

- Water is flowing in Winter Quarters Creek. There is an established riparian corridor along the stream channel. The vegetation is mostly sub-irrigated grass. Several photographs were taken of the stream channel looking downstream.
- Pack Trail Canyon to the north (approximately 0.5 miles from the Forest Service boundary) was flowing a little trickle. We did not walk into Pack Canyon to see if the flow was blocked by beaver activity. A photograph of cows at the mouth of the canyon and the flow as compared with a pencil was taken.
- An unnamed side canyon to the south (approximately 1 mile from the F.S. boundary) was flowing, but had been dammed by beaver activity. Several photographs of the beaver dams as well as the flow above the dammed portion of the stream were taken.
- A third of a mile beyond the unnamed side canyon we found a confluence with a tributary that was not marked on the map. This tributary flowed approximately 1 gpm. A photograph was taken of Wayne Western sitting in this tributary. A second photograph of the flow (and a field book for comparison) was also taken.
- A half-mile beyond the unmarked tributary we encountered the second unnamed tributary flowing from the south. A photograph was taken at the confluence of this stream with the unmarked stream.
- A slight two hundred feet beyond the second unnamed tributary we encountered Bobs Canyon and Box Canyon. Both streams were flowing and were photographed from a point on the mountainside above the stream.

RECOMMENDATIONS/CONCLUSIONS:

The perennial nature of the tributaries to Winter Quarter's Stream should be evaluated and the extent of flow should be quantified. The USFS and USFWS representatives requested a survey of fish and macro invertebrates and amphibians. A return trip to Pack Trail Canyon is recommended to verify the condition of that stream.

cc: All Attendees
Price Field Office
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