



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

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June 11, 2001

TO: ~~Internal File~~

THRU: Pam Grubaugh-Littig, Permit Supervisor *PL*

FROM: Susan M. White, Senior Reclamation Biologist *SMW*

Re: Technical Field Visit Macroinvertebrate Sampling, Horizon Mining, LLC,  
Horizon Mine, 0107/020

**Other Attendees:** Dave Miller (Horizon Mine) and Mark James (JBR)

**Date & Time:** 8:30 a.m. to 11:30 a.m., May 31, 2001

**PURPOSE:**

Select sites for macroinvertebrate sampling as required by the permit and to observe sample collection for the first sampling. This is considered baseline sampling since the mine is not producing.

**OBSERVATIONS:**

Several sites were looked at in the North Fork of Gordon Creek. Selection was based on:

1. Similar distance above and below the confluence with Jewkes Creek.
2. Similar stream characteristics such as stream width, sub-straight, and slope.

Mark James sampled using a surber sampler and took 3 sub-samples per site. Material collected in the net was placed in bottles and preserved. The samples will be sent to Dr. Bohman's lab at BYU for analysis. Dave Miller took water samples at each site and measured stream width and depth. Sites were marked with rebar and flagging. GPS site data was not taken.

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**FIELD VISIT**

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It appeared that the heavy silt loading of Gordon Creek due to logging over the past several years has mostly flushed from the area selected for sampling.

**RECOMMENDATIONS/CONCLUSIONS:**

The permittee has completed the first step required by the permit to sample the macro invertebrate population in the North Fork of Gordon Creek. The permittee should notify the Division prior to fall sampling. The Division will take GPS data of the site locations at that time.

sd

cc: David Miller, Lodestar Energy  
Price Field Office

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