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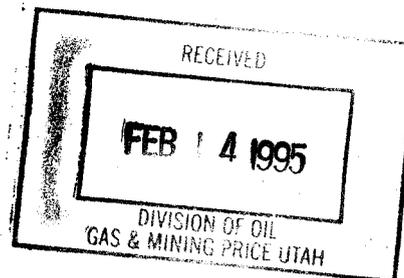
State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WILDLIFE RESOURCES

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
Robert G. Valentine
Division Director

Southeastern Region
455 West Railroad Avenue
Price, Utah 84501-2829
801-637-3310
801-637-7361 (Fax)

January 30, 1995

Keith Zobell
Utah Fuels, Skyline Mine
P.O. Box 719
Helper, Utah 84526



RE: Soldier Creek Raptor Survey

ACT/007/018 #2

Dear Keith:

On January 27, 1995, Bill Bates and Mike Milburn of our staff conducted a raptor survey in the area around Dugout Creek at your request. This survey was to determine if any raptor nests were located within a 0.5 mile radius of an old portal at the end of the road in the canyon.

Conditions for the survey were not conducive to acquiring needed information. Deep snow covered many ledges and cracks in the cliffs, making it difficult to determine if nests were present. Results from a survey in 1981 conducted by the U.S. Fish and Wildlife Service and our personnel showed 3 golden eagle, 2 red-tailed hawk, a prairie falcon scrape and several raven nests in the survey area. We were unable to find any of these nests during this survey.

We found one red-tailed hawk nest and a possible prairie falcon scrape that you will find marked on the enclosed map. There was also at least one adult golden eagle in the canyon. An eagle was seen north of the portal on 1/17 by Bill Bates, and just west of the portal during this survey.

We would like to make the following recommendations to facilitate re-opening the portal this winter. The cliffs within 0.5 miles of the portal should be monitored to determine where the golden eagles nest this season. Monitoring should begin February 15, and continue until the nest is located, the project is completed, or April 15, 1995, whichever comes first. If an active nest is located, our office, the U.S. Fish and Wildlife Service, and the Division of Oil, Gas and Mining should be contacted immediately. At that time potential impacts to the territory will be assessed.

Thank you for the opportunity to assist in this survey. If you have questions contact Bill Bates, Habitat Manager.

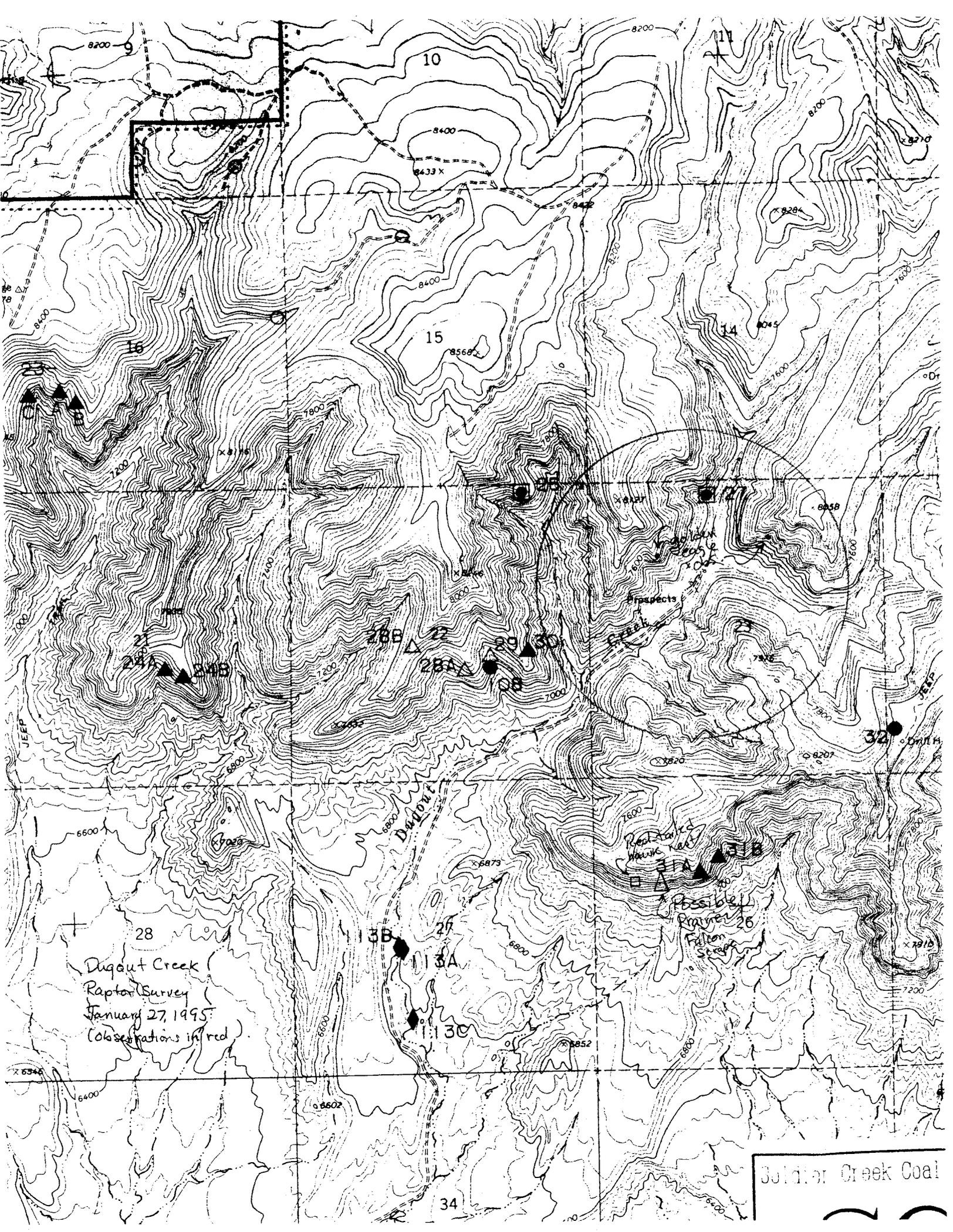
Sincerely,

A handwritten signature in cursive script that reads "Miles Moretti".

Miles Moretti
Regional Supervisor

copy: Robert Benton, USFWS
Paul Baker, DOGM
Ralph Miles, DWR





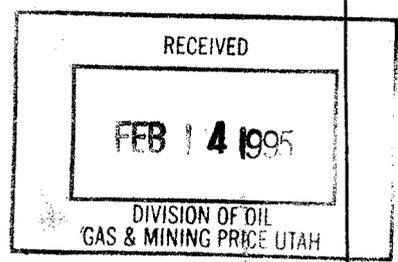
Dugout Creek
Raptor Survey
January 27, 1995
(Observations in red)

Soldier Creek Coal

1-31-95
G. Taylor

BOND SUMMARY

BACK FILL	884.76
CULVERT REMOVAL	552.00
REVEGETATION	4,829.90
SILT FENCE + WATER BARS	<u>9,506.00</u>
SUBTOTAL OF RECLAMATION COST	14,773.66
10% MAINTENANCE AND MONITORING COST	1,477.37
SUBTOTAL IN 1991 DOLLARS	16,251.03
SUBTOTAL WITH ESCALATION @ 1.93% YR FOR 9 YEARS (1995 DOLLARS)	17,505.61
TOTAL BOND AMOUNT ROUNDED TO NEAREST \$100 IN 1995 DOLLARS	17,500.00



22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



DUGOUT CREEK
BOND

1-31-95
G. TAYLOR

PORTAL BACKFILL

6 PORTALS

$$7' \times 20' \times 25' = 3,500 \text{ CU. FT} \div 27 = 129.63 \text{ CU. YD USE } 130 \text{ YD}^3$$

$$130 \text{ YD}^3 / \text{PORTAL} \times 6 = 780 \text{ YD}$$

EIMCO 915 IS USED TO BACKFILL
• PRODUCTION RATE 79.15 YD³/HR

$$780 \text{ YD}^3 \div 79.15 \text{ YD}^3 / \text{HR} = 9.85 \text{ HRS}$$

$$9.85 \text{ HRS} \times \$89.78 / \text{HR} = \$894.76$$

REVEGETATION

HYDROMULCH

$$2.05 \text{ ACRES} \times 977.36 / \text{AC} = 2,003.59$$

HAND SEEDING

$$2.05 \text{ ACRES} \times 1,379.30 / \text{AC} = 2,825.37$$

CULVERT REMOVAL

$$30 \text{ FT} = 554.00$$

SILT FENCE

$$2,150 \text{ FT} \times \$2.89 / \text{FT} = 6,106$$

WATER BARS

$$8 \times \$300 = \$2,400$$

22-141 50 SHEETS
22-142 100 SHEETS
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