

0007

FILE INA/015/007



# SOLDIER CREEK COAL CO.

Telephone (801) 637-6360

P.O. Box 1  
Price, Utah 84501 \*

July 11, 1985

Mr. D. Wayne Hedberg  
Permit Supervisor/Reclamation Hydrologist  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

RE: Water Monitoring Results  
Hidden Valley Mine  
INA/015/007

RECEIVED

JUL 15 1985

DIVISION OF OIL  
GAS & MINING

Dear Mr. Hedberg:

For your information, I have enclosed the results of our June 5, 1985 monitoring of Ivie Creek.

If you have any questions or comments, please feel free to contact me.

Sincerely,

SOLDIER CREEK COAL COMPANY

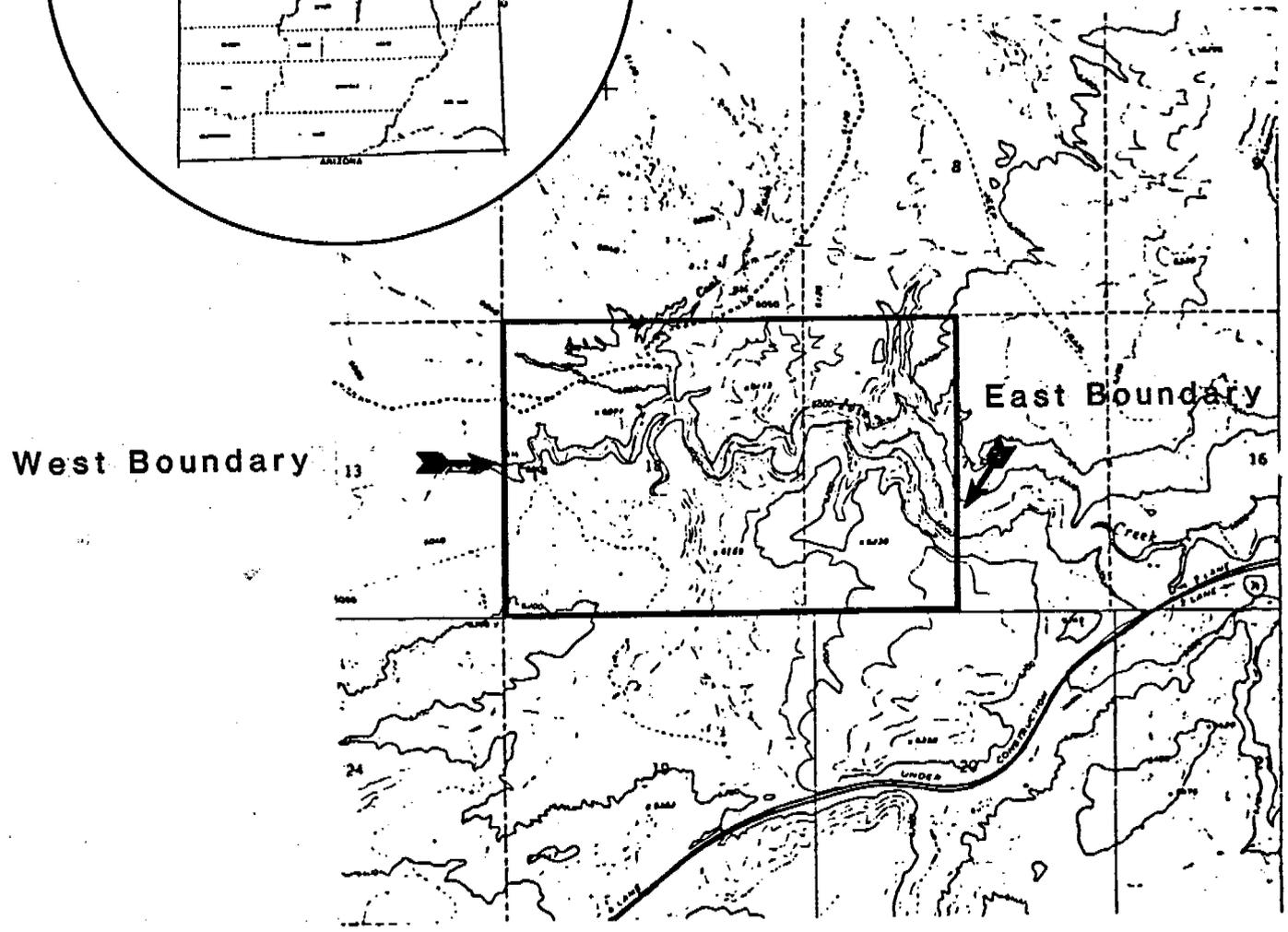
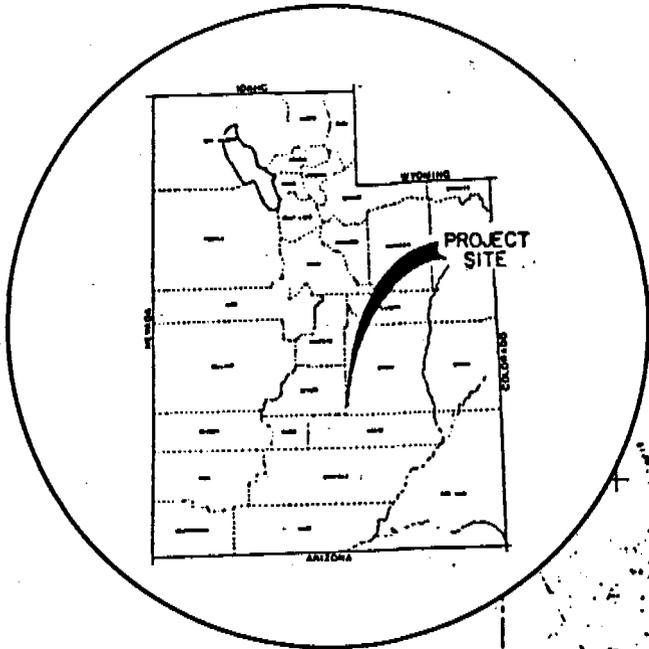
*Dave Spillman*

Dave G. Spillman  
Mine Engineer

DGS:pp  
Enclosures

HIDDEN VALLEY MINE SITE

Township 23 South, Range 6 East  
 Salt Lake Base and Meridian  
 Section 18 & the West 1/2 of Section 17



Ivie Creek Water Monitoring Locations

REVISIONS		
NO.	DATE	BY
1.		
2		
3		



Soldier Creek Coal Company

**HIDDEN VALLEY MINE**

SCALE: NONE  
 DRAWN BY DGS DATE 2-18-80

TITLE: HIDDEN VALLEY MINE LOCATION  
 CHECKED DATE APPROVED DATE

DRAWING NO. A-005  
 Figure 1  
 Page 2

SOLDIER CREEK COAL COMPANY  
HIDDEN VALLEY MINE

Water Monitoring  
Field Measurements

IVIE CREEK

	<u>East Boundary</u>	<u>West Boundary</u>
Date -	06/05/85	06/05/85
Time -	12:30 PM	1:30 PM
Flow (gpm) -	853	897
Specific conductivity (umhos/cm) -	3,260	3,310
pH -	8.62	8.42
Water Temperature (C ) -	19	22
Dissolved Oxygen (ppm) -	7.4	6.6

BOOKCLIFFS COMMERCIAL LABORATORIES  
WATER ANALYSIS REPORT

Client: Soldier Creek Coal Company  
Address: P.O. Box I  
Price, Utah 84501

Sample Date: 6/05/85

Date Received: 6/11/85

Attn: Mr. Christopher P. Allen

Your P.O. No: 29369

Sample I.D. Ivie Creek-West

Lab No.: 85-4091-W

<u>Parameter</u>	<u>Concentration</u> mg/l	<u>Parameter</u>	<u>Concentration</u> mg/l
Calcium	230	Manganese	-0.01
Carbonate (as CaCO <sub>3</sub> )	0	Potassium	9
Chloride	110	Sodium	292
Hardness (as CaCO <sub>3</sub> )	1,670	Solids, Dissolved	2,840
Iron	-0.02	Solids, Suspended	50
Magnesium	265	Sulfate	1,750

NOTE: Metals are Dissolved

*Ralph V. Poulsen*

Ralph V. Poulsen, Director

BOOKCLIFFS COMMERCIAL LABORATORIES  
WATER ANALYSIS REPORT

Client: Soldier Creek Coal Company  
Address: P.O. Box I  
Price, Utah 84501

Sample Date: 6/05/85  
Sample Time: 12:30  
Date Received: 6/11/85

Attn: Mr. Christopher P. Allen

Your P.O. No: 29369

Sample I.D. Ivie Creek-East

Lab No.: 85-4092-W

<u>Parameter</u>	<u>Concentration</u> <u>mg/l</u>	<u>Parameter</u>	<u>Concentration</u> <u>mg/l</u>
Calcium	215	Manganese	-0.01
Carbonate (as CaCO <sub>3</sub> )	0	Potassium	8
Chloride	104	Sodium	302
Hardness (as CaCO <sub>3</sub> )	1,550	Solids, Dissolved	2,770
Iron	-0.02	Solids, Suspended	134
Magnesium	245	Sulfate	1,670

NOTE: Metals are Dissolved

Ralph V. Poulsen  
Ralph V. Poulsen, Director