

0008



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January 31, 2005

Utah Coal Program
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801

*Incoming
C/015/0032
#2132*

**Re: Incidental Boundary Change, Response to TA of 1/28/2005, Crandall Cyn Mine,
C/015/032**

Dear Sirs,

GENWAL Resources, Inc. is submitting a permit change application in response to the Technical Analysis dated January 28, 2005.

Call me at 435-564-4015 if you have any questions.

Sincerely

A handwritten signature in blue ink that reads "Gary E. Gray". The signature is fluid and cursive, with the first letters of each name being capitalized and prominent.

Gary E. Gray
Engineer/Agent

RECEIVED

FEB 01 2005

DIV. OF OIL, GAS & MINING

APPLICATION FOR PERMIT PROCESSING

<input type="checkbox"/> Permit Change	<input type="checkbox"/> New Permit	<input type="checkbox"/> Renewal	<input type="checkbox"/> Transfer	<input type="checkbox"/> Exploration	<input type="checkbox"/> Bond Release	Permit Number: C/015/032
Title of Proposal: Incidental Boundary Change modification to Lease U-68082						Mine: CRANDALL CANYON MINE
Response to Technical Analysis of January 28, 2005 (Task 2128)						Permittee: GENWAL Resources, Inc.

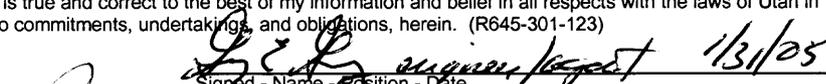
Description, include reason for application and timing required to implement:

Instructions: If you answer yes to any of the first 8 questions (gray), submit the application to the Salt Lake Office. Otherwise, you may submit it to your reclamation specialist.

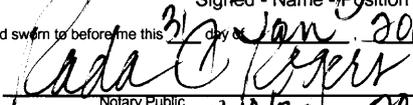
<input type="checkbox"/> Yes	<input type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input type="checkbox"/> No	2. Is the application submitted as a result of a Division Order?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	3. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	4. Does application include operations in hydrologic basins other than as currently approved?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	5. Does application result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	6. Does the application require or include public notice/publication?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	7. Does the application require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	9. Is the application submitted as a result of a Violation?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	10. Is the application submitted as a result of other laws or regulations or policies? Explain:
<input type="checkbox"/> Yes	<input type="checkbox"/> No	11. Does the application affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	12. Does the application require or include underground design or mine sequence and timing?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	13. Does the application require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	15. Does application require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	16. Does the application require or include vegetation monitoring, removal or revegetation activities?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	17. Does the application require or include construction, modification, or removal of surface facilities?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	18. Does the application require or include water monitoring, sediment or drainage control measures?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	19. Does the application require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	20. Does the application require or include subsidence control or monitoring?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	21. Have reclamation costs for bonding been provided for?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	22. Does application involve a perennial stream, a stream buffer zone or discharges to a stream?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	23. Does the application affect permits issued by other agencies or permits issued to other entities?

Attach 3 complete copies of the application.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein. (R645-301-123)


 Signed - Name - Position - Date
 Rada J. Rogers, 1/31/05

Subscribed and sworn to before me this 31st day of Jan, 2005


 Notary Public
 My Commission Expires: 1/12 2006
 Attest: Carson
 COUNTY OF _____

RADA J. ROGERS

Notary Public

) ss: _____

04518

COMM. EXPIRES 10-2-2006

Received by Oil, Gas & Mining

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DIV. OF OIL, GAS & MINING

ASSIGNED TRACKING NUMBER

**GENWAL MINE
015/032**

**INCIDENTAL BOUNDARY CHANGE
TO
THE MINING AND RECLAMATION PLAN
FOR A 120.0 ACRE AREA**

**MODIFICATION TO LEASE U-68082
(a.k.a NO NAME CANYON)**

**RESPONSE TO TECHNICAL ANALYSIS
OF JANUARY 28, 2005**

SUBMITTED: FEBRUARY 1, 2005



1.13 Violation Information:

The applicant currently operates coal mining operations under ACT/015/032 for the Crandall Canyon Mine in Emery county, Utah. Permit ACT/015/032 was approved and issued May 13, 1993.

The Applicant, nor any subsidiary, affiliate, or persons controlled by or under common control with the applicant, has not had a Federal or State mining permit suspended or revoked in the last five years. Nor have they forfeited a mining bond or similar security deposited in lieu of a bond. There are no unabated cessation orders or air and water quality violation notices received prior to the date of the application, by any coal mining and reclamation operation owned or controlled by GENWAL or by any person who owns or controls GENWAL. Refer to Appendix 1-11 for a list of previous violations.

1.14 RIGHT OF ENTRY AND OPERATION

Applicant bases its legal right to enter and begin underground mining activities in the permit area upon the following documents:

Federal Coal Lease U-54762, issued to GENWAL on December 1, 1986, currently owned by Andalex and IPA. IPA and Andalex have undivided 50% interest as tenants in common of all leases previously under GENWAL's sole ownership (Andalex Resources, Inc has now assumed all leases or portions of the leases previously held by NEICO through the purchase and transfer of those rights to GENWAL Resources, Inc. effective 1/11/95). Federal coal lease UTU-78953 (also known as the South Crandall tract) was acquired in June 2003. (Refer to Appendix 1-13) A 40 acre parcel of the SITLA Millfork Lease was subleased from PacifiCorp in February, 2004. (Refer to Appendix 1-14). [In December, 2004 the BLM issued a decision to approve Federal Lease UTU-68082, to include an additional 120 acres . \(Refer to Appendix 15-A.\) The approval became effective in the early part of 2005 \(Refer to Appendix 1-15\).](#)

It should be noted that throughout this Mining and Reclamation Plan the combined area of Federal Lease UTU-78953 and the SITLA/PacifiCorp sublease are collectively referred to as the South Crandall lease area, the South Crandall tract, the South Crandall mining area, and similar such terms.

Assignment of Federal Lease SL-062648 and SL-050655 from heirs of John F. Sanders to applicant. BLM approval of assignment to applicant from heirs of John F. Sanders.

The Joint Owners will succeed to all the rights and duties held by Permittee by operation of law, including the legal right to enter and continue coal mining and reclamation operations. Permittee will continue to operate the mine under the direction of the Joint Owners.

The present Joint Owners (Andalex and IPA) base their legal right to enter and continue underground mining activities in the permit area upon the following documents and the NEICO/Andalex sales contract:

3.22.21 Listed or Proposed Endangered or Threatened Species of Plants and Animals, and Critical Habitat

FEDERALLY LISTED AND PROPOSED ENDANGERED (E) AND THREATENED (T) SPECIES AND THEIR HABITAT IN EMERY COUNTY

In a 2004 listing the following T and E Species were identified for Emery County. They are:

Bonytail	<i>Gila elegans</i>	E
Colorado Pikeminnow	<i>Ptychocheilus lucius</i>	E
Humpback Chub	<i>Gila cypha</i>	E
Razorback Sucker	<i>Xyrauchen texanus</i>	E
Bald Eagle	<i>Haliaeetus leucocephalus</i>	T
Mexican Spotted Owl	<i>Strix occidentalis lucida</i>	T
Western Yellow-billed Cuckoo	<i>Coccyzus americanus occidentalis</i>	C
Black-footer Ferret	<i>Mustela nigripes</i>	E
Southwestern Willow Flycatcher	<i>Empidonax traillii extimus</i>	E

Listed threatened and endangered species potentially present in the permit area is the Bald Eagle (*Haliaeetus leucocephalus*) (E). (Source: U.S. Fish and Wildlife Service, July, 1994)

None of the species are likely to occur within the mine permit area, (including the South Crandall lease area and the U-68082 lease mod area) because habitats for these species in the permit area are marginal. Areas of potential occurrence include riparian forests along Huntington Canyon for the Bald Eagle. (~~Note letters from UDWR and USF&W Service Appendix 3-3~~).

A revised (2004) list of wildlife and vegetation T & E species within Emery County is provided in the second addendum to Appendix 3-3.

Migratory Birds of High Federal Interest

This group of especially significant species is comprised of 22 bird species identified by FWS as occurring in the Uintah-Southwestern Utah Coal Production Region. Of the 22 species 7 species have the potential of migrating within the region where the mine is permitted.

1. Bald Eagle
2. Golden Eagle
3. Ferruginous Hawk
4. Cooper's Hawk
5. Prairie Falcon
6. Western Bluebird
7. Flammulated Owl
8. Black Swifts
9. Williamson's Sapsuckers

Table 7-10 Water Monitoring Program

Ground Water

Springs

1	SP-30	No Side Lower Crandall	Flow and field parameters quarterly
2	SP-36	No Side Lower Crandall	Flow, field parameters, and Table 7-4 parameters quarterly
3	SP-58	Forks of Crandall Creek	Flow, field parameters, and Table 7-4 parameters quarterly
4	SP2-24	Top of East Mountain	Flow, field parameters, and Table 7-4 parameters quarterly
5	SP2-9	Top of East Mountain	Flow, field parameters, and Table 7-4 parameters quarterly
6	SP47A	Pt No of Crandall Mine	Flow and field parameters quarterly
7	SP1-3	Top of East Mountain	Flow and field parameters quarterly
8	SP1-19	Top of East Mountain	Flow and field parameters quarterly
9	SP1-22	Top of East Mountain	Flow and field parameters quarterly
10	SP1-33	Upper Joe's Valley	Flow, field parameters, and Table 7-4 parameters quarterly
11	SP1-47	Upper Joe's Valley	Flow and field parameters quarterly
12	SP2-1	Upper Joe's Valley	Flow and field parameters quarterly
13	SP1-9	Top of East Mountain	Flow, field parameters, and Table 7-4 parameters quarterly
14	SP1-24	Top of East Mountain	Flow and field parameters quarterly
15	LB-2	Little Bear Canyon	Flow, field parameters, and Table 7-4 parameters quarterly
16	LB-5A	Little Bear Canyon	Flow, field parameters, and Table 7-4 parameters quarterly
17	SP-79	Huntington Canyon trib.	Flow, field parameters, and Table 7-4 parameters quarterly
18	Little Bear Spring		Flow, field parameters, and Table 7-4 parameters quarterly
19	SP-18	Shingle Canyon	Flow, field parameters quarterly
20	SP-22	Shingle Canyon	Flow, field parameters quarterly

In-Mine Monitoring Wells

1	DH-1	Main North (Dry)	Flow, field parameters, and Table 7-4 parameters quarterly
2	DH-2	In Sealed Area	Flow, field parameters, and Table 7-4 parameters quarterly
3	MW-1	At Portals	Flow, field parameters, and Table 7-4 parameters quarterly
4	MW-2	At Mouth of Main East	Flow, field parameters, and Table 7-4 parameters quarterly
5	MW-3	In Sealed Area	Flow, field parameters, and Table 7-4 parameters quarterly
6	MW-4	In Sealed Area	Flow, field parameters, and Table 7-4 parameters quarterly
7	MW-5	Destroyed	Flow, field parameters, and Table 7-4 parameters quarterly
8	MW-6	Main South (DEEP)	Flow, field parameters, and Table 7-4 parameters quarterly
9	MW-6a	Main South (No of Dike)	Flow, field parameters, and Table 7-4 parameters quarterly
10	MW-7	Main West	Flow, field parameters, and Table 7-4 parameters quarterly
11	MW-8	Main South (So of Dike)	Flow, field parameters, and Table 7-4 parameters quarterly

Table 7-10 Water Monitoring Program (continued)

Surface Water

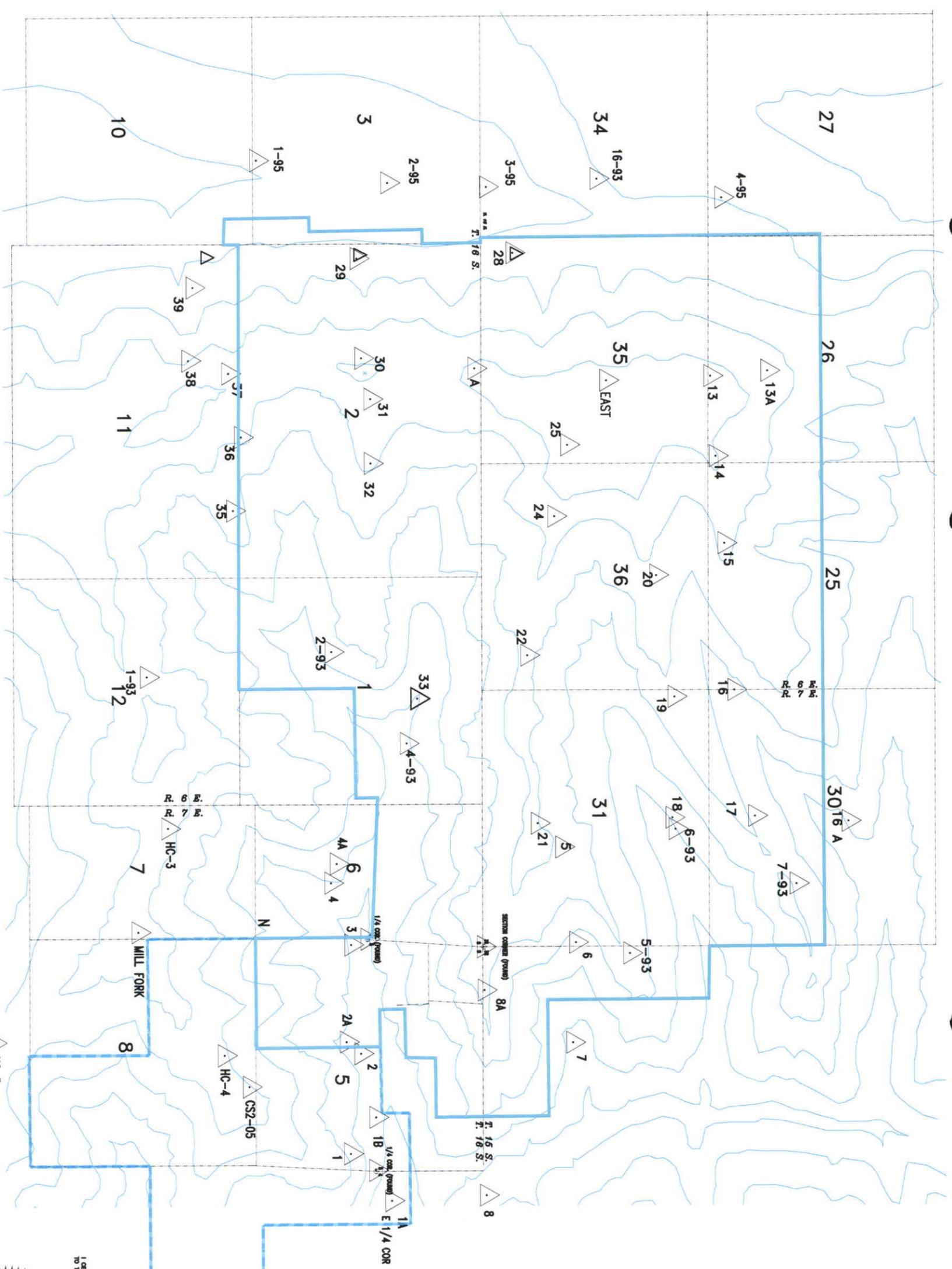
Streams

1 Upper Flume Crandall Creek	Flow, field parameters, and Table 7-8 parameters quarterly
2 Lower Flume Crandall Creek	Flow, field parameters, and Table 7-8 parameters quarterly
3 Horse Canyon Creek	Flow, field parameters, and Table 7-8 parameters quarterly
4 Blind Canyon Creek	Flow, field parameters, and Table 7-8 parameters quarterly
5 Indian Creek	Flow, field parameters, and Table 7-8 parameters quarterly
6 IBC-1	Flow, field parameters, and Table 7-8 parameters quarterly
7 Section 4 Creek	Flow, field parameters, and Table 7-8 parameters quarterly
8 Section 5 Creek (lower)	Flow, field parameters, and Table 7-8 parameters quarterly
9 Section 5 Creek (Upper Right Fork)	Flow and field parameters quarterly
10 Section 5 Creek (Upper Left Fork)	Flow and field parameters quarterly
11 Little Bear Creek	Flow, field parameters, and Table 7-8 parameters quarterly
12 Shingle Creek	Flow, field parameters quarterly

UPDES

1 001 – Sed Pond Discharge	Flow, field parameters, and UPDES parameters per occurrence
2 002 – Mine Water Discharge	Flow, field parameters, and UPDES parameters monthly

Note: See Plate 7-18 for Locations



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SUBSIDENCE CONTROL POINT

INITIAL COORDINATES LEVEL OF SUBSIDENCE CONTROL POINTS	NORTHING	EASTING	ELEVATION
CONTROL POINT 1	410092.47	2098132.85	8442.6
1A	411049.12	2092227.84	7947.3
1B	410683.22	2097282.38	8025.1
2	410340.61	2095796.0	8041.9
2A	410002.74	2095524.69	8225.1
3	410113.74	2093255.08	7932.5
4	409776.78	2094824.70	8156.0
4A	409783.67	2091360.82	8417.5
5	415043.13	2090986.89	9521.1
6	415363.06	2093212.13	8557.8
7	415302.50	2095572.46	7907.7
8	413302.04	2099141.16	9213.8
8A	413224.43	2094318.99	9269.9
SECT. COR. 31,	413207.04	2093310.26	
1/4 SECT COR	410490.99	2093121.60	7922.3
1/4 SECT COR	410669.51	2098519.09	8196.0
1/4 SECT COR	418542.66	2079995.95	10472.97
14	418668.75	2081869.77	10388.14
15	419210.77	2084586.16	9923.45
16	419084.02	2087316.65	8939.31
17	419559.68	2090268.82	9202.63
18	417629.49	2090504.40	8355.91
19	417685.95	2087474.12	9508.19
20	417266.35	2084640.88	9873.80
21	414477.89	2090431.55	9759.76
22	414246.21	2086502.34	9652.54
24	414886.83	2083261.78	10126.13
25	415193.56	2081597.47	10570.49
26	413108.91	2079762.02	10453.4
30	410380.56	2079711.91	10405.71
31	410598.57	2080510.76	10246.38
32	410602.31	2082011.96	9999.29
33	411673.40	2087501.46	8476.44
35	407385.41	2083107.02	9791.50
36	407573.43	2081390.84	9987.62
37	407279.30	2079905.55	10403.96
38	408348.66	2079602.19	10356.74
1-93	409673.94	2086404.50	8645.74
2-93	411417.93	2088546.62	8272.61
4-93	416825.61	2093465.89	9056.03
5-93	417710.89	2090586.53	8296.39
6-93	420522.60	2091850.89	9204.59
7-93	419904.30	2075394.09	9169.21
16-93	407953.70	2074937.60	8903.63
1-95	411012.58	2075473.61	8859.69
2-95	413317.82	2075578.45	9061.47
3-95	418816.05	2075844.96	9259.14
4-95	408388.83	2090523.29	9755.72
HC-3	405134.87	2092946.18	9888.45
MILL FORK	401920.82	2096345.15	9567.71
HC-5	401578.11	2097386.45	9563.54
CS1-05	401467.89	2098248.34	9576.80
HCD-2	407305.81	2096663.89	9381.22
HC-4	407305.81	2096663.89	9381.22
CS2-05	407807.64	2097397.23	9435.65

NOTE: THOSE POINTS NOT LISTED ARE PROTECTED AND WILL BE LOCATED IN THE FUTURE AS MINING PROGRESSES
 ALL COORDINATES ARE SHOWN AT SEA LEVEL. GCS=1,000397447

1. CHECK THE MAP TO BE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



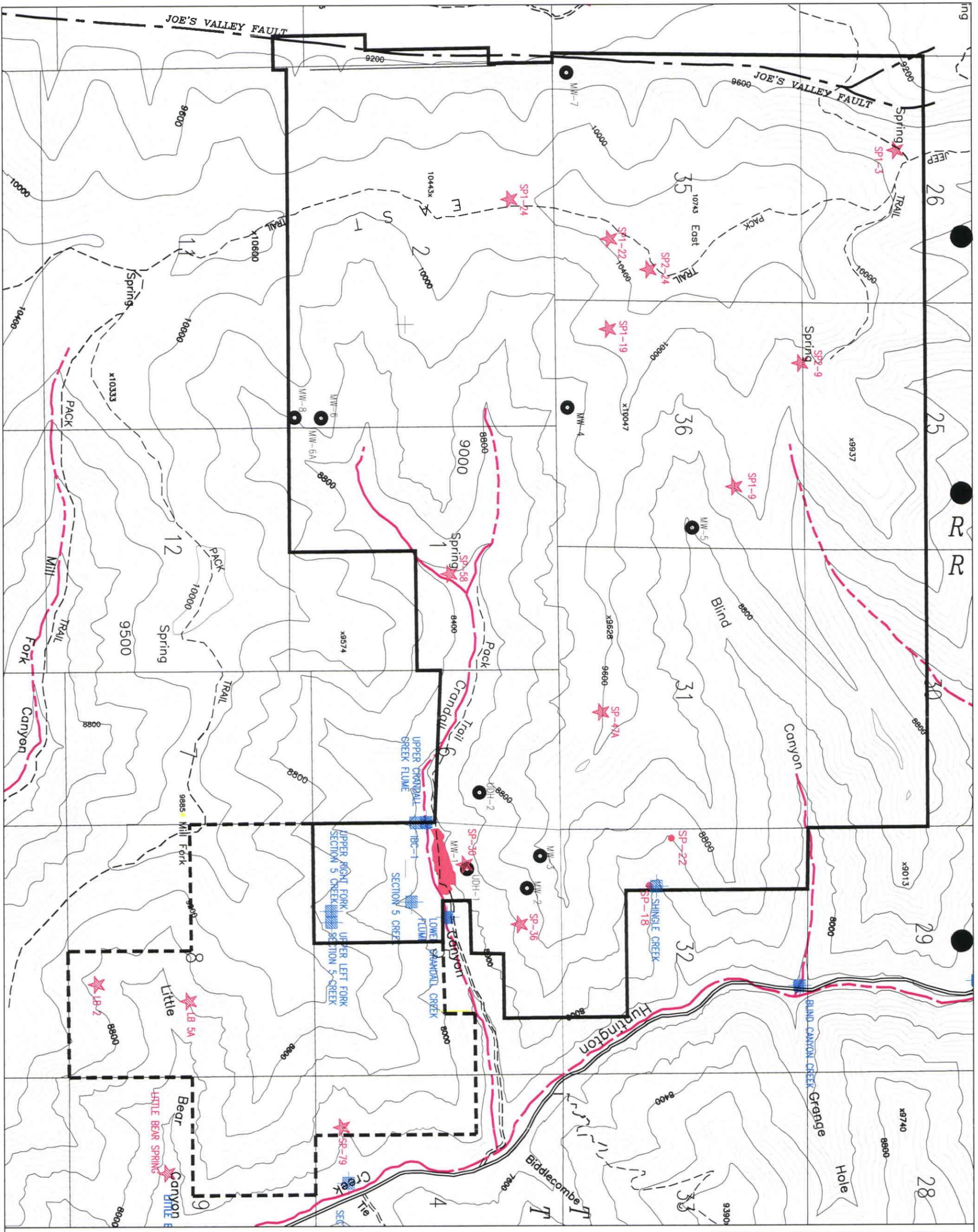
[Signature]
 JOHN CHRISTOPHER LEMM, P.E. NO. 191488



P.O. Box 1877, 7th South, "C" Canyon Blvd., Pinedale, Utah
 Telephone (435) 886-8888

SUBSIDENCE CONTROL POINT LOCATION

DATE: 02/15/05	DATE: 02/15/05
SCALE: 1"=2500'	SCALE: 1"=2500'
BY: JDS	BY: JDS
CHK: JDS	CHK: JDS
APP: JDS	APP: JDS
REV: 5-5	REV: 5-5



LEGEND

-  MINE SURFACE FACILITIES
-  UDOGM PERMIT BOUNDARY
-  SOUTH CRANDALL LEASE AREA (PERMITTING ACTION PENDING)
-  PERENNIAL STREAM REACHES (based on 1992 thru 1998 observations)
-  MONITORING LOCATIONS OF SURFACE SPRINGS
-  MONITORING LOCATIONS OF UNDERGROUND WELLS
-  MONITORING LOCATIONS OF STREAMS

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DIV. OF OIL, GAS & MINING



P.O. Box 1077, 794 North "C" Canyon Rd, Price Utah
Telephone: (435) 888-4000

**CRANDALL CANYON MINE
WATER MONITORING SITES MAP**

REV: 8	ACAD: MONSITE SOCRAN
DATE: 02-01-05	BY: JDS
SCALE: 1"=2000'	PLATE #: 7-18

