

0020
United States
Department of
Agriculture

Forest
Service

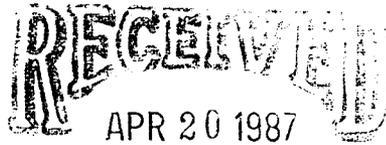
Manti-LaSal
National Forest

599 West Price River Drive
Price, Utah 84501

Reply to: 2820

Date: April 14, 1987

Mr. Andrew King
Genwal Coal Company
P.O. Box 1201
Huntington, Utah 84528



DIVISION OF
OIL, GAS & MINING

Dear Mr. King:

A review of the plans for the sediment pond, Crandall Canyon Mine, has been completed. We concur with D.O.G.M's approval with the following reservations:

1. A field review of section C-C will be conducted when the snow cover allows, to establish the potential for "drag effect" failure at this section. If potential is high, we will recommend removal of the natural steep embankment.
2. The piezometer must be monitored daily during the first major filling, drawdown and a period of 7 days after, to verify that the design assumptions are not exceeded. If the design assumptions are exceeded, both D.O.G.M. and the Forest Service must be immediately notified and corrective action initiated.
3. We have been notified that the protective rip-rap for the clay liner has been deleted from the construction plans and specifications and that a new clay liner will be installed after each removal of sediment. The requirement for the addition of a new liner after each cleanout must be made a part of the approved operating plan.

We hope this conditional concurrence will allow completion of the sediment pond to a satisfactory condition for overall acceptance. We will notify you of our recommendation under (1) as soon as the field inspection can be completed. Should you require additional information, please contact Brent Barney at this office.

Sincerely,

A handwritten signature in cursive script that reads "William B. Doley".

for
REED C. CHRISTENSEN
Forest Supervisor

Instream Flow Right:

- 1. **National Forest:** Manti-LaSal
- 2. **Stream :** Grandall Canyon (6)
- 3. **Priority Date :** 5/29/1903
- 4. **Location of Primary Quantification Point:**
 - a. **General:** Grandall Canyon near the mouth at the USGS gage site.
 - b. **Legal :** Said point being south 1400 feet more or less and east 1,350 feet more or less from the NW corner, Section 4, T16S, R7E, SLB&M.

5. **Instream Flow - Primary Point:** A continuous instream flow equivalent to 3,390 acre-feet (primary instream flow volume) at the primary point of quantification described in paragraph 4, above, defined and distributed as follows:

- a. Day 1. The day flow attains a rate of 6.5 c.f.s. and equals or exceeds that rate for 24 hours, but in no event earlier than April 20, shall be deemed Day 1.
- b. Minimum Flow Rates. The rate for Day 1 and for each and every succeeding day or period throughout the entire year as follows:

Duration		CFS
DAY	1 thru 7	6.5
DAY	8 thru 14	7.2
DAY	15 thru 21	13
DAY	22 thru 28	20
DAY	29 thru 35	27
DAY	36 thru 41	34
DAY	42	29
DAY	43	25
DAY	44	20
DAY	45	16
DAY	46	12
DAY	47	7.6
DAY	48 thru DEC 31	3.1
JAN	1 until DAY 1	3.1

6. **Instream Flow - supplemental points:** A continuous instream flow at all other points (supplemental points) on Crandall Canyon and its named and unnamed tributaries computed as follows:

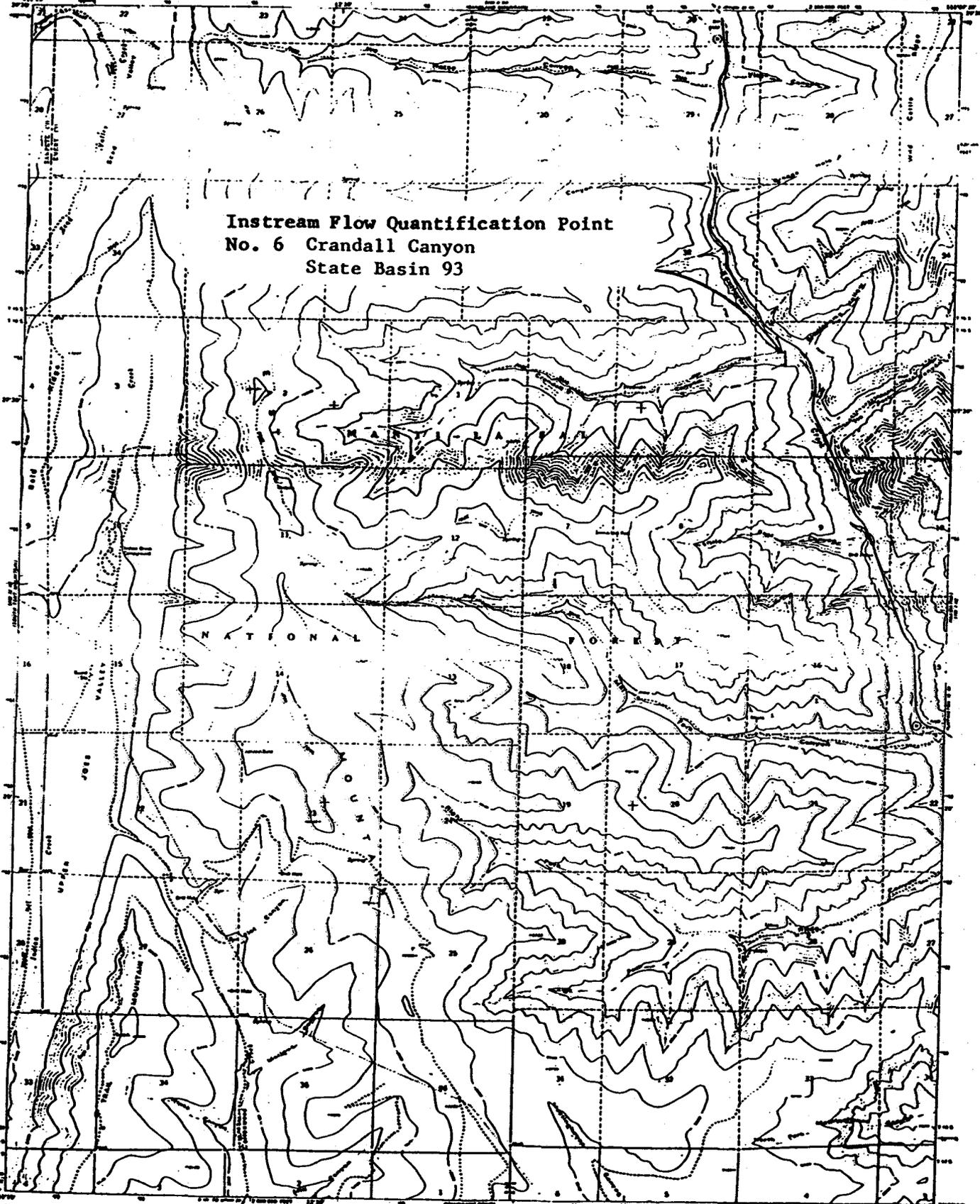
- a. **Supplemental Minimum Instream Flow Volume:** Calculate 51 percent of the total annual yield (volume in acre-feet) attributable to the drainage area above the supplemental point.
- b. **Supplemental Minimum Instream Flow Rates:** Multiply the minimum rates for Day 1 and each time period in paragraph 5.b., above, by the supplemental minimum instream flow volume computed in 6.a., above, and divide by 3,390 acre-feet (the primary minimum instream flow volume).

7. In the event the natural flows do not attain the rates decreed above, the United States shall be entitled to the natural flows actually occurring during the periods described in paragraphs 5.a. and 6.a., above.

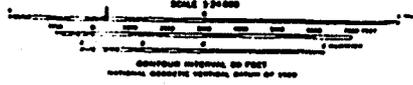
~~8.~~



Instream Flow Quantification Point
No. 6 Crandall Canyon
State Basin 93



Prepared, edited, and published by the Geological Survey
Consent to publish, Department of the Interior, U.S. Forest Service
Reproduced by photogrammetric methods from aerial photographs
taken 1949. Photo-aerial 1959, top sheet 1959
Projection and 50,000-foot grid data from
Photogrammetric Control and published under
Department of the Interior, Bureau of Land Management
and U.S. Forest Service, 1957 State American edition
This map should show nothing beyond the limits of the
Forest or State boundary shown on this map



ROAD CLASSIFICATION
Primary highway Light duty road, foot or
road surface Improved surface
Secondary highway Unimproved surface
Road surface Unimproved road
Intermittent Road U.S. Road State Road

THIS MAP SHOWS ONLY FEATURES AND BOUNDARIES
FOR SALE BY U.S. GEOLOGICAL SURVEY, RESTON, VIRGINIA. OTHER MAPS, UNLESS SPECIALLY
A MAPS DIVISION, RESTON, VIRGINIA AND PRINTING IS CONTAINED ON SHEET

WILDA CANYON, UTAH
7.5 MINUTE SERIES
1959
GSA 7.5-MINUTE SERIES

