



0014

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 27, 1984

Mr. Richard Holbrook
Consolidation Coal Company
2 Inverness Drive East
Englewood, Colorado 80033

RE: AVF Determination
Emery Deep Mine
ACT/015/015
Folder Nos. 3 and 4
Emery County, Utah

Dear Rick:

Please find enclosed a map showing part of the 1983-1988 mine permit application for the Emery Deep Mine. Indicated on the map by the hatched line is the area the Division has determined to be an Alluvial Valley Floor (AVF). Also superimposed on the map are the areas designated as Prime Farmlands and planned mining activities through 1988.

Consolidation Coal Company will have to supply the Division with sufficient information to adequately address the regulations governing AVF's under Sections UMC 700.5 (definition of AVF), 785.19, 817.126 and 822 of the Utah Mining Code.

It was determined by the Division that the area lying in Section 28, 29, 32 and 33 would be exempt from the AVF regulations since this area had a permit approval from the State regulatory authority a year prior to approval of the Surface Mining and Reclamation Act (August 3, 1977) in accordance with Section 510(b)(6) of the Act. However, Consol will be required to mitigate any disturbance in the exempted area in a timely manner, if the disturbance was caused by mining practices.

A determination of an AVF along Christiansen Wash has not been finalized. Information is still needed to establish the available water that could be used to support farming other than the water transferred from Muddy Creek to Christiansen Wash.

Mr. Richard Holbrook
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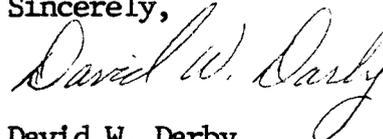
To help us in our determination, we request that you answer the following questions:

1. What is the mean annual flow and distribution in Christiansen Wash exclusive of transferred water?
2. Could the water in Christiansen Wash be delivered to the irrigated alluvial lands by practices currently used in the region?
3. As a regional practice, how much water per acre is needed for agricultural use?
4. Regionally, how many agricultural acres constitute a minimal economic unit?
5. Would instream water be available to support farming if no transfer existed?
6. Is it a regional practice to pump water from stream channels, and are there any places where pumping occurs where stream channels are deeply incised.

We ask that all the information requested above be submitted to our office by February 27, 1984 so that we can complete our evaluation in accordance with the established schedule.

If I can be of further assistance, or if you have any questions please call me any time.

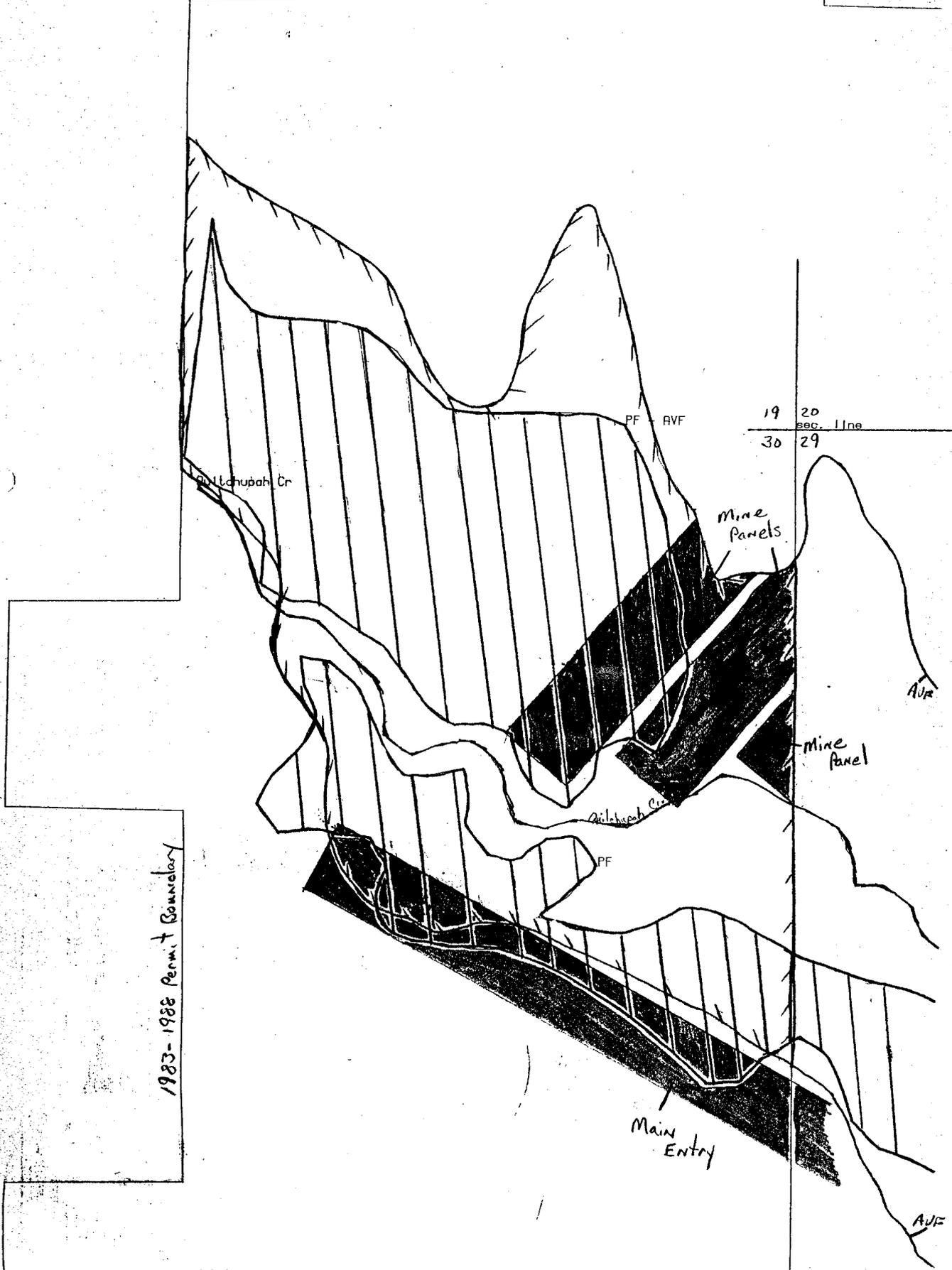
Sincerely,



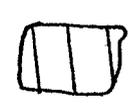
David W. Darby
Reclamation Hydrologist

DWD/btb

cc: Lou Hamm, OSM
Debra Richardson, Richardson Associates
S. Linner, DOGM
L. Kunzler, DOGM



Boundary of designated AVF
 barb sided area indicates area
 that shall conform to regulations governing
 AVF's for 5 year permit term (1983-1988)

 Areas designated as Prime
 Farmlands

 Areas of proposed underground
 mining activity beneath AVF
 of the 5 year permit term, 1983-1988