

#2 June

EarthFax
Engineering, Inc.
Engineers/Scientists

July 13, 1985

RE:Contract 85-5323
June Monthly Report

Mr. Dave Hooper
Reclamation Hydrologist
Utah Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Dave:

Work on Contract No. 85-5323 is progressing well. During the first week of June we collected the first suite of water quality samples, installed the stream gaging stations, and measured the stream flow of Chalk Creek and the intermittent stream. During the last week of the month, we again measured the stream flow and changed the charts on the rain and stream gages.

Water Quality Samples

Water quality samples were collected from both Chalk Creek and the intermittent stream. The appropriate field analyses were completed and samples were also submitted to CMS for laboratory analyses. Appendix A contains the field test results. We will forward a copy of the laboratory results following our review of their accuracy.

Stream Gaging Stations

As previously reported, stream gaging stations were installed in both Chalk Creek and the intermittent stream on June 3. On the June 28, 1985 field trip, the charts were changed on both the recorders. As reflected by the charts (Appendix B) only one significant storm event occurred in the 25 day period. It should be noted on the chart from SS-6 (lower Chalk Creek) that the closed cell pen was rather generous in dispersing the ink. The pen did leave a traceable pen line and this line will be used when determining the flows and daily fluctuations.

Stream flows were directly measured on the two selected sections on Chalk Creek and on the intermittent stream on both June 3 and 28, 1985. Results of these measurements are included in Appendix A.

Mr. Dave Hooper
July 13, 1985
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Recording Rain Gage

The chart on the recording rain gage was changed and the bucket emptied. Two storm events were recorded during the month. One event occurred on June 5, and the other on June 21 and 22 (Appendix C).

Ephemeral Streams

Insufficient flows occurred in the ephemeral streams to either be recored on the stage gages or to collect a water quality sample.

Our next regularly scheduled visit will be on July 26. If you have any questions or need additional information, please call.

Sincerely,

A handwritten signature in cursive script, appearing to read "R. Gainer", written in dark ink.

Randolph B. Gainer
Project Manager

APPENDIX A

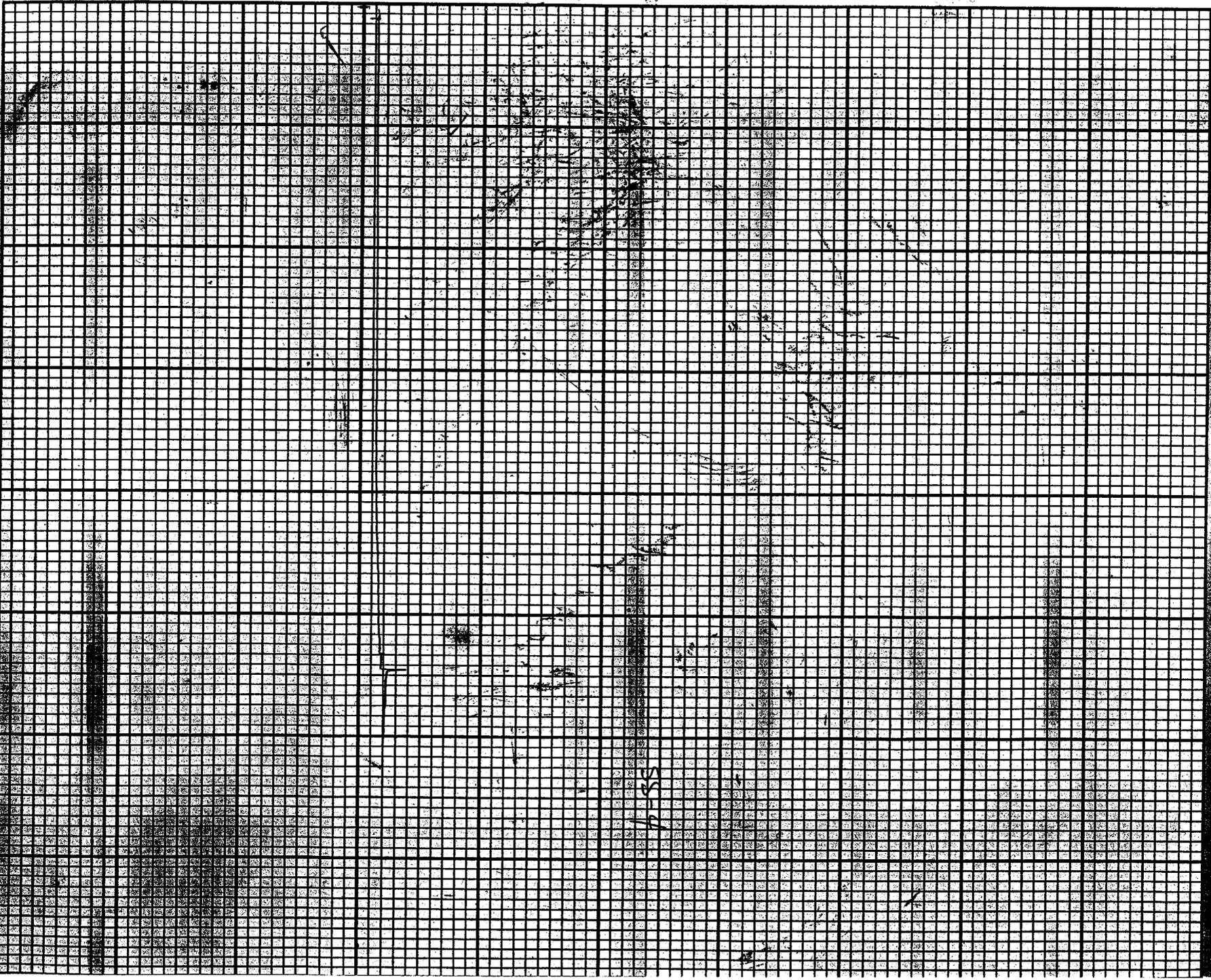
Flow and Field Water-Quality Data

APPENDIX B

Stream Gage Recorder Charts

IN 1355

516 6 28 9 5



APPENDIX C

Rain Gage Recorder Chart.

PRINTED IN U.S.A.

CHART NO. 15668
12-IN. JAL TRAVERSE MONTHLY-861 HRS.
UNIVERSAL RAIN GAGE

BELFORT INSTRUMENT COMPANY
BALTIMORE, MARYLAND, U.S.A.



GAGE WITHOUT ADAPTER, 12" CAPACITY, READ CHART DIRECT

WITH #1 ADAPTER, 24" CAPACITY, MULTIPLY CHART X 2

X 4

OBSERVER Gainer STATION RI

ON 1:50 PM MAY 27 1965

OFF 12:20 PM JUN 21 1965

JWR

EarthFax
Engineering, Inc.
Engineers/Scientists

July 13, 1985

RE: Contract 85-5323
Invoice No. 2

Mr. Dave Hooper
Reclamation Hydrologist
Utah Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED

JUL 18 1985

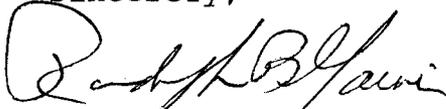
DIVISION OF OIL
GAS & MINING

Dear Dave:

Enclosed is an invoice for our services on Contract No. 85-5323 for the period of June 1 through June 30, 1985. The accompanying progress report outlines our efforts during this period.

With the submission of this invoice, I am certifying that the work which was done and described in the June monthly report was completed in a manner consistent with the intent and scope of the contract.

Sincerely,



Randolph B. Gainer
Project Manager

Enclosure

INVOICE NO. 2

Client: Utah Division of Oil, Gas & Mining
Contract No.: 85-5323
EarthFax Project No.: C-30

Labor:

Randolph B. Gainer	30.0 hr @ \$30.00	\$ 900.00
Richard B. White	9.0 hr @ \$30.00	270.00

Expenses:

Gainer Exp. Rpts.	\$174.00	
White Exp. Rpt.	11.09	
Recorder rental (2 @ \$50.00)	100.00	<u>285.09</u>

Total

\$1455.09