

Water-Data Report 2011

09319000 EPHRAIM TUNNEL NEAR EPHRAIM, UT (Transmountain diversion)

Lower Green Basin
San Rafael Subbasin

LOCATION.--Lat 39°19'47", long 111°25'51" referenced to North American Datum of 1927, in SE ¼ SE ¼ SE ¼ sec.14, T.17 S., R.4 E., Sanpete County, UT, Hydrologic Unit 14060009, at east tunnel portal, 9.0 mi east of Ephraim.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1949 to current year. Monthly discharge only for September 1949 to September 1960; figures of daily discharge available in files of U.S. Geological Survey Utah Water Science Center, Salt Lake City office. Seasonal records only since October 1971.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 9,694.9 ft above NGVD of 1929. (Levels by U.S. Geological Survey, Topographic Division.)

REMARKS.--Records fair except for estimated daily discharges, which are poor. Tunnel diverts from Cottonwood Creek drainage in Colorado River Basin to San Pitch River in the Great Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 112 ft³/s, Jun 4, 1970; No flow many days each year.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	7.6	1.3	8.0	0.96
2	0.00	---	---	---	---	---	0.00	0.00	7.3	1.3	7.3	0.82
3	0.00	---	---	---	---	---	0.01	0.00	8.6	1.3	7.6	0.69
4	0.00	---	---	---	---	---	0.01	0.00	12	1.2	6.6	0.60
5	0.00	---	---	---	---	---	0.00	0.00	19	1.1	6.0	0.55
6	0.01	---	---	---	---	---	0.00	0.01	29	1.1	5.4	0.54
7	0.02	---	---	---	---	---	0.00	0.03	36	0.93	5.0	0.40
8	0.01	---	---	---	---	---	0.00	0.09	44	32	4.6	0.27
9	0.00	---	---	---	---	---	0.00	0.45	44	54	4.3	0.29
10	0.00	---	---	---	---	---	0.00	0.48	16	30	4.0	0.75
11	0.00	---	---	---	---	---	0.00	0.48	0.26	7.4	3.8	0.58
12	0.00	---	---	---	---	---	0.00	0.42	0.24	6.9	3.6	0.38
13	0.00	---	---	---	---	---	0.00	0.54	0.21	6.9	3.4	0.12
14	0.00	---	---	---	---	---	0.00	0.85	0.21	6.5	3.3	0.06
15	0.00	---	---	---	---	---	0.00	1.2	0.26	6.1	3.5	0.07
16	0.00	---	---	---	---	---	0.00	1.7	0.27	14	3.0	0.38
17	0.00	---	---	---	---	---	0.00	2.2	0.20	21	2.7	0.80
18	0.00	---	---	---	---	---	0.00	2.4	0.16	24	2.6	0.10
19	0.00	---	---	---	---	---	0.00	2.4	0.15	19	2.5	0.03
20	0.00	---	---	---	---	---	0.00	2.2	0.08	17	2.3	0.01
21	0.00	---	---	---	---	---	0.00	2.1	0.09	14	2.1	0.01
22	---	---	---	---	---	---	0.00	2.3	0.16	13	2.0	0.00
23	---	---	---	---	---	---	0.00	2.6	0.23	11	1.8	0.00
24	---	---	---	---	---	---	0.00	2.5	0.25	10	1.7	0.00
25	---	---	---	---	---	---	0.00	2.2	0.19	9.9	1.6	0.00
26	---	---	---	---	---	---	0.00	2.3	0.14	10	1.6	0.00
27	---	---	---	---	---	---	0.00	2.7	1.0	11	1.6	0.00
28	---	---	---	---	---	---	0.00	3.5	2.3	9.5	1.6	0.00
29	---	---	---	---	---	---	0.00	4.7	3.1	8.5	1.5	0.00
30	---	---	---	---	---	---	0.00	4.7	2.1	8.0	1.4	0.00
31	---	---	---	---	---	---	---	4.9	---	8.8	1.1	---
Total	---	---	---	---	---	---	0.02	49.95	235.10	366.73	107.5	8.41
Mean	---	---	---	---	---	---	0.00	1.61	7.84	11.8	3.47	0.28
Max	---	---	---	---	---	---	0.01	4.9	44	54	8.0	0.96
Min	---	---	---	---	---	---	0.00	0.00	0.08	0.93	1.1	0.00
Ac-ft	---	---	---	---	---	---	0.04	99	466	727	213	17

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