

Water-Data Report 2010

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 Salt Lake City District Office, Geological Survey. 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; many days each year.

09319000 EPHRAIM TUNNEL NEAR EPHRAIM, UT (Transmountain diversion)—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e0.06	---	---	---	---	---	e0.00	e0.00	e25	8.4	0.55	0.03
2	e0.03	---	---	---	---	---	e0.00	e0.00	e39	8.0	0.46	0.03
3	e0.03	---	---	---	---	---	e0.00	e0.00	e50	7.1	0.47	0.03
4	e0.03	---	---	---	---	---	e0.00	e0.00	e45	6.5	0.37	0.02
5	e0.05	---	---	---	---	---	e0.00	e0.00	e40	5.6	0.94	0.01
6	e0.02	---	---	---	---	---	e0.00	e0.00	e36	5.2	0.74	0.01
7	e0.02	---	---	---	---	---	e0.00	e0.00	e33	4.8	0.71	0.02
8	e0.01	---	---	---	---	---	e0.00	e0.00	e29	4.4	0.55	0.02
9	---	---	---	---	---	---	e0.00	e0.00	e20	4.2	0.46	0.02
10	---	---	---	---	---	---	e0.00	e0.00	e14	3.9	0.34	0.02
11	---	---	---	---	---	---	e0.00	e0.00	11	3.7	0.27	0.01
12	---	---	---	---	---	---	e0.00	e0.00	9.3	3.3	0.21	0.01
13	---	---	---	---	---	---	e0.00	e0.00	8.0	3.1	0.17	0.01
14	---	---	---	---	---	---	e0.00	e0.00	6.5	2.9	0.12	0.01
15	---	---	---	---	---	---	e0.00	e0.00	7.0	2.7	0.07	0.00
16	---	---	---	---	---	---	e0.00	e0.00	7.5	2.6	0.04	0.00
17	---	---	---	---	---	---	e0.00	e0.00	6.6	2.4	0.03	0.00
18	---	---	---	---	---	---	e0.00	e0.00	6.3	2.3	0.01	0.00
19	---	---	---	---	---	---	e0.00	e0.00	15	2.0	0.11	0.00
20	---	---	---	---	---	---	e0.00	e0.00	21	2.0	0.14	0.00
21	---	---	---	---	---	---	e0.00	e0.00	19	2.3	0.08	0.00
22	---	---	---	---	---	---	e0.00	e0.00	17	1.7	0.07	0.00
23	---	---	---	---	---	---	e0.00	e0.00	16	1.4	0.06	0.00
24	---	---	---	---	---	---	e0.00	e0.00	15	1.3	0.06	0.00
25	---	---	---	---	---	---	e0.00	e0.00	14	1.2	0.05	0.00
26	---	---	---	---	---	---	e0.00	e5.5	13	1.1	0.05	0.00
27	---	---	---	---	---	---	e0.00	e11	12	0.97	0.05	0.00
28	---	---	---	---	---	---	e0.00	e16	10	0.93	0.04	0.00
29	---	---	---	---	---	---	e0.00	e18	9.3	0.78	0.04	0.00
30	---	---	---	---	---	---	e0.00	e18	8.8	0.66	0.04	0.00
31	---	---	---	---	---	---	---	e22	---	0.56	0.04	---
Total	---	---	---	---	---	---	0.00	90.50	563.3	98.00	7.34	0.25
Mean	---	---	---	---	---	---	0.00	2.92	18.8	3.16	0.24	0.01
Max	---	---	---	---	---	---	0.00	22	50	8.4	0.94	0.03
Min	---	---	---	---	---	---	0.00	0.00	6.3	0.56	0.01	0.00
Ac-ft	---	---	---	---	---	---	0.00	180	1,120	194	15	0.5

