

Water-Data Report 2006

10172650 KENNECOTT DRAIN NEAR MAGNA, UT

Jordan Basin
Jordan Subbasin

LOCATION.--Lat 40°45'37", long 112°10'14" referenced to North American Datum of 1927, in SW ¼ NE ¼ SW ¼ sec.3, T.1 S., R.3 W., Salt Lake County, UT, Hydrologic Unit 16020204.

DRAINAGE AREA.--Not determined.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1963 to September 1967. October 1971 to September 1984. June 2006 to current year.

GAGE.--Velocity meter and stage recorder. Elevation of gage is 4,210 ft above NGVD of 1929 from topographic map. June 25, 1976 to September 1984, water-stage recorder at site 1,400 feet upstream at different datum. Prior to June 25, 1976, water-stage recorder at site 1,000 feet upstream at different datum.

REMARKS.--Records good, except for daily discharges less than 1.0 cfs and estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 389 cfs March 18, 1964, gage height, 5.5 ft, datum then in use, result of break in dike of Kennecott tailings pond; minimum, no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 56 ft³/s, Sep 2; no flow Aug 7.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	0.36	6.8	23
2	---	---	---	---	---	---	---	---	---	0.29	13	56
3	---	---	---	---	---	---	---	---	---	0.29	14	49
4	---	---	---	---	---	---	---	---	---	0.25	0.18	14
5	---	---	---	---	---	---	---	---	---	0.15	0.11	0.13
6	---	---	---	---	---	---	---	---	---	0.18	e0.25	0.10
7	---	---	---	---	---	---	---	---	---	0.12	e0.00	7.0
8	---	---	---	---	---	---	---	---	---	0.16	e0.35	0.07
9	---	---	---	---	---	---	---	---	---	0.14	e0.25	0.11
10	---	---	---	---	---	---	---	---	---	0.13	e0.05	0.10
11	---	---	---	---	---	---	---	---	---	0.12	4.2	16
12	---	---	---	---	---	---	---	---	---	0.18	0.16	13
13	---	---	---	---	---	---	---	---	---	0.13	0.13	0.10
14	---	---	---	---	---	---	---	---	---	0.19	0.02	0.08
15	---	---	---	---	---	---	---	---	---	0.17	15	e0.30
16	---	---	---	---	---	---	---	---	---	0.18	0.22	e0.30
17	---	---	---	---	---	---	---	---	---	0.19	e8.9	e0.30
18	---	---	---	---	---	---	---	---	---	e0.18	15	e0.30
19	---	---	---	---	---	---	---	---	---	e12	27	e0.40
20	---	---	---	---	---	---	---	---	---	12	27	e0.40
21	---	---	---	---	---	---	---	---	---	5.7	24	0.41
22	---	---	---	---	---	---	---	---	---	0.19	26	e0.40
23	---	---	---	---	---	---	---	---	---	0.17	26	e0.40
24	---	---	---	---	---	---	---	---	---	0.22	17	e0.40
25	---	---	---	---	---	---	---	---	---	4.4	18	e0.30
26	---	---	---	---	---	---	---	---	---	17	32	e0.30
27	---	---	---	---	---	---	---	---	---	27	29	e0.30
28	---	---	---	---	---	---	---	---	---	27	16	0.28
29	---	---	---	---	---	---	---	---	---	12	26	3.6
30	---	---	---	---	---	---	---	---	0.29	0.14	25	0.26
31	---	---	---	---	---	---	---	---	---	0.14	0.10	---
Total	---	---	---	---	---	---	---	---	---	121.37	371.72	187.34
Mean	---	---	---	---	---	---	---	---	---	3.92	12.0	6.24
Max	---	---	---	---	---	---	---	---	---	27	32	56
Min	---	---	---	---	---	---	---	---	---	0.12	0.00	0.07
Ac-ft	---	---	---	---	---	---	---	---	---	241	737	372

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