



Water-Data Report 2008

10172640 LEE CREEK NEAR MAGNA, UT

Jordan Basin
Jordan Subbasin

LOCATION.--Lat 40°46'50", long 112°08'19" referenced to North American Datum of 1927, Salt Lake County, UT, Hydrologic Unit 16020204, on left bank of pond outlet, about 5.1 mi northwest of Magna.

DRAINAGE AREA.--Not determined.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1971 to September 1982, May 2006 to April 2008 (discontinued).

REVISED RECORDS.--WDR UT-82-1; Maximum discharge.

GAGE.--Water stage recorder. Elevation of gage is 4,205 ft from topographic map. Prior to May 17, 2006, recording gage at same site at different datum.

REMARKS.--Records fair. Flows regulated by Sea Shorebird Preserve ponds.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 165 ft³/s, Sep 29, 2007, gage height, 5.00 ft; minimum, 0.05 ft³/s, Jun 17, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 134 ft³/s, Oct 2, gage height, 4.85 ft; minimum daily discharge, 14 ft³/s, Apr 10.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	96	39	38	50	49	44	37	---	---	---	---	---
2	113	39	43	57	50	75	23	---	---	---	---	---
3	116	40	40	55	53	57	22	---	---	---	---	---
4	109	40	40	55	51	45	20	---	---	---	---	---
5	93	39	39	73	48	42	21	---	---	---	---	---
6	87	38	40	70	45	41	18	---	---	---	---	---
7	114	38	54	63	43	39	17	---	---	---	---	---
8	104	37	72	54	44	37	18	---	---	---	---	---
9	101	36	68	49	53	37	17	---	---	---	---	---
10	94	37	56	48	56	36	14	---	---	---	---	---
11	93	40	50	45	64	35	---	---	---	---	---	---
12	86	43	46	45	65	35	---	---	---	---	---	---
13	89	38	43	46	53	34	---	---	---	---	---	---
14	87	38	41	45	54	37	---	---	---	---	---	---
15	67	40	40	42	56	36	---	---	---	---	---	---
16	76	41	41	46	50	36	---	---	---	---	---	---
17	67	41	40	54	47	38	---	---	---	---	---	---
18	55	41	37	37	46	33	---	---	---	---	---	---
19	38	40	39	39	46	32	---	---	---	---	---	---
20	39	40	43	35	45	37	---	---	---	---	---	---
21	64	37	50	35	45	37	---	---	---	---	---	---
22	57	36	58	42	46	33	---	---	---	---	---	---
23	50	37	51	52	51	32	---	---	---	---	---	---
24	55	37	47	49	58	29	---	---	---	---	---	---
25	51	37	54	41	89	29	---	---	---	---	---	---
26	48	36	51	37	59	30	---	---	---	---	---	---
27	47	33	47	42	49	33	---	---	---	---	---	---
28	45	37	45	48	45	36	---	---	---	---	---	---
29	43	36	45	66	43	29	---	---	---	---	---	---
30	43	36	43	62	---	31	---	---	---	---	---	---
31	42	---	48	58	---	39	---	---	---	---	---	---
Total	2,269	1,147	1,449	1,540	1,503	1,164	---	---	---	---	---	---
Mean	73.2	38.2	46.7	49.7	51.8	37.5	---	---	---	---	---	---
Max	116	43	72	73	89	75	---	---	---	---	---	---
Min	38	33	37	35	43	29	---	---	---	---	---	---
Ac-ft	4,500	2,280	2,870	3,050	2,980	2,310	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972-82, 2006-08, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	13.8	9.77	10.4	11.2	12.5	12.0	8.58	9.25	11.7	11.1	13.8	18.0
Max	73.2	53.2	55.3	53.2	58.7	61.6	52.0	76.0	67.7	56.8	72.5	84.9
(WY)	(2008)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2007)	(2006)	(2007)	(2007)	(2007)
Min	1.45	1.04	1.02	1.16	1.08	1.78	1.19	1.39	0.96	1.67	2.11	1.26
(WY)	(1979)	(1978)	(1980)	(1977)	(1977)	(1972)	(1977)	(1979)	(1977)	(1981)	(1976)	(1976)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Years 1972-82, 2006-08	
Annual total	22,355			
Annual mean	61.2		8.79	
Highest annual mean			61.9	2007
Lowest annual mean			2.21	1979
Highest daily mean	127	Sep 30	127	Sep 30, 2007
Lowest daily mean	30	Apr 15	0.20	Aug 22, 1976
Annual seven-day minimum	33	Apr 10	0.29	Jul 27, 1980
Annual runoff (ac-ft)	44,340		6,370	
10 percent exceeds	86		19	
50 percent exceeds	58		2.5	
90 percent exceeds	40		0.93	

