10167450 LITTLE COTTONWOOD CREEK AT TANNERS FLAT CAMPGROUND, NEAR ALTA, UT

Jordan River Basin

LOCATION.--Lat 40°34′12″, long 111°42′00″ referenced to North American Datum of 1927, in SW ¼ NE ¼ SE ¼ sec.10, T.3 S., R.2 E., Salt Lake County, Hydrologic Unit 16020204, on right bank in Tanners Flat Campground above the confluence of Red Pine Creek.

DRAINAGE AREA.--15.3 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,200 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. No regulation or diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 290 ft^3/s, Jun 24, 2005; minimum daily discharge 4.5 ft^3/s, Dec 28, 2003, possible ice jam upstream.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 290 ft^3/s, Jun 24; minimum daily discharge, 6.2 ft^3/s, Oct 16.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16	9.6	11	12	9.9	9.1	11	35	201	167	64	35
2	15	10	10	13	9.2	15	11	34	195	168	64	36
3	14	10	11	13	9.6	17	11	35	174	159	65	38
4	14	10	9.1	13	10	20	12	41	170	151	58	37
5	13	11	9.1	13	10	21	11	49	193	155	53	36
6	12	11	9.4	e13	9.3	18	12	54	200	150	49	35
7	12	12	9.5	e10	9.6	19	13	49	172	152	47	34
8	11	16	10	e11	8.6	15	14	50	152	150	47	34
9	11	18	11	e10	8.7	13	14	53	137	149	47	31
10	11	19	12	e11	8.9	12	15	47	137	147	48	30
11	9.9	19	12	e8.0	8.6	10	15	42	133	146	45	27
12	9.3	17	11	e11	9.5	12	15	40	135	142	41	25
13	8.6	18	12	e11	8.8	13	17	41	133	141	41	23
14	e7.8	e14	11	e10	8.8	12	16	51	150	141	38	23
15	e6.3	e15	11	e9.6	9.2	12	17	63	171	142	35	23
16	6.2	e14	12	10	8.8	13	20	94	195	141	36	23
17	6.3	e14	13	10	9.3	12	26	106	209	137	36	21
18	8.3	e14	12	10	9.4	11	28	119	181	122	37	e18
19	13	e14	12	10	9.8	11	24	157	185	108	34	e17
20	32	e14	13	9.9	9.3	11	25	222	172	111	33	e15
21	17	e13	12	9.7	9.0	10	23	256	204	110	31	15
22	13	e11	11	9.7	9.3	11	23	243	207	107	34	16
23	10	11	11	9.7	9.1	11	24	249	242	98	33	16
24	9.6	12	11	9.0	9.0	9.8	31	191	290	92	34	14
25	9.6	11	11	9.0	9.1	9.9	28	189	252	88	32	13
26	9.6	11	12	10	9.2	10	32	193	185	77	32	13
27	9.7	11	12	10	13	10	35	176	152	71	31	16
28	10	16	12	10	9.1	9.7	42	170	149	70	31	15
29	9.6	12	13	10	---	9.7	39	197	149	71	31	14
30	9.7	10	13	9.9	---	11	37	163	158	68	32	15
31	e11	---	12	9.0	---	11	---	194	---	68	33	---
Total	355.5	397.6	351.1	324.5	262.1	389.2	641	3,603	5,383	3,799	1,272	708
Mean	11.5	13.3	11.3	10.5	9.36	12.6	21.4	116	179	123	41.0	23.6
Max	32	19	13	13	13	21	42	256	290	168	65	38
Min	6.2	9.6	9.1	8.0	8.6	9.1	11	34	133	68	31	13
Ac-ft	705	789	696	644	520	772	1,270	7,150	10,680	7,540	2,520	1,400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	11.5	10.1	8.69	8.43	7.49	13.3	28.8	110	157	84.3	28.9	19.3
Max	11.5	13.3	11.3	10.5	9.36	14.0	36.3	116	179	123	41.0	23.6
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)
Min	11.5	7.03	6.06	6.38	5.69	12.6	21.4	104	135	46.0	16.7	15.1
(WY)	(2005)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)

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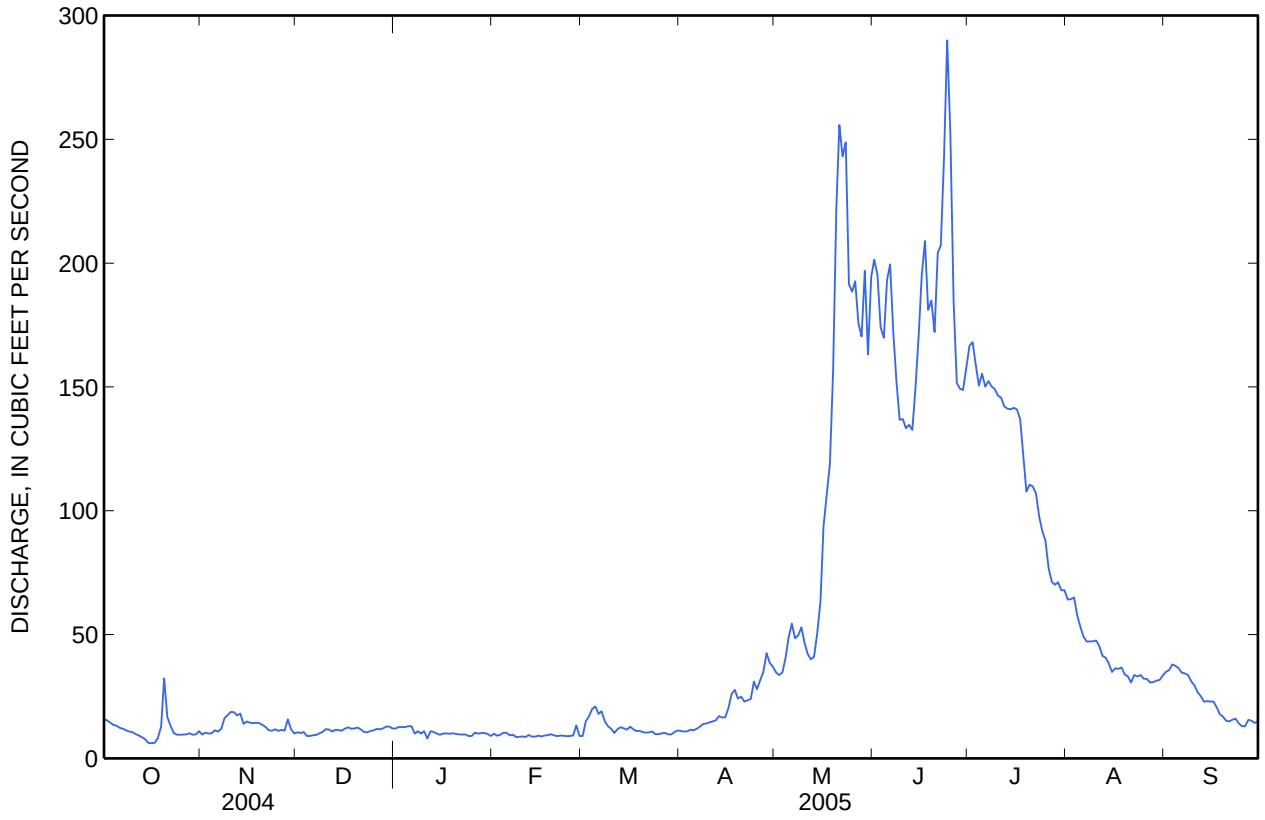
SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 2004 - 2005	
Annual total	12,685.2		17,486.0			
Annual mean	34.7		47.9		47.9	
Highest annual mean					47.9	2005
Lowest annual mean					47.9	2005
Highest daily mean	231	Jun 8	290	Jun 24	290	Jun 24, 2005
Lowest daily mean	5.4	Feb 12	6.2	Oct 16	4.5	Dec 28, 2003
Annual seven-day minimum	5.5	Feb 10	7.5	Oct 12	5.5	Feb 10, 2004
Annual runoff (ac-ft)	25,160		34,680		34,710	
10 percent exceeds	107		156		156	
50 percent exceeds	15		15		15	
90 percent exceeds	5.9		9.5		9.5