

Water-Data Report 2006

**10172727 FAUST CREEK NEAR VERNON, UT**

Great Salt Lake Basin  
Rush-Tooele Valleys Subbasin

LOCATION.--Lat 40°09'38", long 112°25'49" referenced to North American Datum of 1927, in NE ¼ SE ¼ SW ¼ sec.32, T.7 S., R.5 W., Tooele County, UT, Hydrologic Unit 16020304, on left bank 80 ft west of State Highway 36, approximately 1 mi south of Faust, and 4.5 mi north of Vernon.

DRAINAGE AREA.--145 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1991 to September 1998, October 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,265 above NGVD of 1929, from topographic map. Prior to October 15, 1997 at site 50 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41 ft<sup>3</sup>/s Apr 6, 2006, gage height, 6.29 ft; minimum daily discharge, 0.07 ft<sup>3</sup>/s Jun 27, 28 and Jul 12, 13, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 41 ft<sup>3</sup>/s, Apr 6, gage height, 6.29 ft; minimum daily discharge, 0.38 ft<sup>3</sup>/s, Jul 19.

## 10172727 FAUST CREEK NEAR VERNON, UT—Continued

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

[e, estimated; &amp;, affected value]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.5	1.0	1.2	e0.86	e0.90	1.6	5.5	7.8	2.6	1.5	3.4	e3.8
2	1.5	0.95	1.4	e0.96	e0.86	1.5	5.3	9.6	2.6	1.6	3.2	e3.4
3	1.8	0.91	1.0	e0.96	e0.84	1.3	5.1	12	3.2	1.8	3.2	e3.8
4	2.0	1.00	0.89	e0.96	e0.80	1.3	5.3	17	3.0	1.5	2.8	e3.0
5	1.7	0.89	&0.80	e0.92	e0.78	1.3	11	19	3.6	1.5	2.8	e2.6
6	1.3	0.91	e0.70	e0.86	e0.80	1.2	24	15	3.0	1.5	2.8	e3.0
7	1.2	0.90	e0.50	e0.84	e0.82	1.4	18	11	2.8	1.7	1.7	2.4
8	1.3	0.90	e0.44	e0.80	e0.84	1.2	14	8.0	3.7	1.1	1.4	2.6
9	1.6	0.96	e0.46	e0.76	e0.80	1.7	13	6.7	6.1	1.0	1.3	2.4
10	1.4	0.96	e0.48	e0.74	e0.70	1.7	13	6.6	2.9	0.93	1.6	3.7
11	1.2	0.97	e0.48	e0.68	e0.72	1.8	16	7.1	1.5	1.0	2.1	4.0
12	1.2	0.97	e0.50	e0.66	e0.76	1.9	14	7.9	1.3	1.0	2.2	3.5
13	1.4	0.96	e0.54	e0.66	e0.80	1.6	12	6.5	1.6	0.78	2.2	3.6
14	1.4	1.0	e0.50	e0.90	e0.76	e1.6	14	6.8	1.8	1.0	1.9	2.2
15	1.2	0.96	e0.44	e0.80	e0.68	e2.0	28	5.0	2.4	1.2	1.9	5.7
16	1.6	0.93	e0.42	e0.72	e0.56	e2.0	22	6.1	3.4	0.86	1.5	8.4
17	1.3	0.95	e0.44	e0.66	e0.60	e1.7	18	5.2	2.5	0.58	1.6	7.0
18	1.2	0.93	e0.50	e0.72	e0.50	e2.0	17	6.3	3.5	0.41	2.3	6.6
19	1.1	0.98	e0.56	e0.78	e0.60	e2.2	15	6.7	2.5	0.38	1.2	4.3
20	1.1	0.98	e0.64	e0.86	e0.70	e2.8	13	4.1	2.0	0.92	2.4	6.0
21	1.1	0.98	e0.70	e0.80	e0.80	e3.4	11	3.7	2.5	0.99	5.0	7.4
22	1.3	0.98	e0.80	e0.74	e1.0	e3.0	9.1	4.3	1.6	1.1	4.3	7.6
23	1.4	0.98	e0.84	e0.72	1.3	e2.2	8.6	3.3	1.6	0.72	e2.4	7.1
24	1.2	&0.98	e0.86	e0.70	1.6	e2.4	8.7	2.3	1.6	0.42	e3.0	6.7
25	1.2	e0.90	e0.80	e0.76	2.0	e2.2	12	2.8	2.2	0.53	e3.8	6.2
26	1.1	e0.80	e0.76	e0.86	1.6	e2.7	11	2.7	2.8	0.73	e3.4	3.7
27	1.0	e0.76	e0.80	e0.80	1.9	e2.4	9.3	2.0	1.7	1.4	e4.0	5.1
28	1.5	0.83	e0.90	e0.76	2.2	e3.5	9.0	2.2	2.1	1.0	e2.6	6.8
29	1.3	0.88	e0.96	e0.86	---	3.1	9.0	2.3	1.9	0.84	e2.5	3.5
30	1.2	1.1	e0.86	e0.96	---	2.8	9.3	2.2	2.9	1.3	e3.0	5.4
31	1.1	---	e0.80	e0.92	---	5.2	---	3.2	---	2.7	e3.8	---
<b>Total</b>	41.4	28.20	21.97	24.98	27.22	66.7	380.2	205.4	76.9	33.99	81.3	141.5
<b>Mean</b>	1.34	0.94	0.71	0.81	0.97	2.15	12.7	6.63	2.56	1.10	2.62	4.72
<b>Max</b>	2.0	1.1	1.4	0.96	2.2	5.2	28	19	6.1	2.7	5.0	8.4
<b>Min</b>	1.0	0.76	0.42	0.66	0.50	1.2	5.1	2.0	1.3	0.38	1.2	2.2
<b>Ac-ft</b>	82	56	44	50	54	132	754	407	153	67	161	281

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992-98, 2004-2006, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	1.64	1.60	1.17	1.30	1.69	2.80	3.78	3.59	2.14	2.18	2.27	2.33
<b>Max</b>	2.64	5.19	2.20	1.89	2.49	10.6	12.7	6.63	4.34	7.51	5.27	4.94
<b>(WY)</b>	(2005)	(1995)	(1995)	(1995)	(1992)	(1993)	(2006)	(2006)	(2005)	(1996)	(1994)	(1994)
<b>Min</b>	0.41	0.60	0.61	0.64	0.89	0.88	0.88	0.36	0.18	0.32	0.19	0.26
<b>(WY)</b>	(2004)	(2004)	(1998)	(2004)	(1994)	(2005)	(2005)	(2003)	(2003)	(1993)	(1993)	(1993)

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SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1992-98, 2004-2006	
<b>Annual total</b>	659.19		1,129.76			
<b>Annual mean</b>	1.81		3.10		2.25	
<b>Highest annual mean</b>					3.13	1996
<b>Lowest annual mean</b>					0.84	2004
<b>Highest daily mean</b>	11	May 30	28	Apr 15	28	Apr 15, 2006
<b>Lowest daily mean</b>	0.42	Dec 16	0.38	Jul 19	0.00	May 1, 2003
<b>Annual seven-day minimum</b>	0.47	Dec 11	0.47	Dec 11	0.06	Aug 6, 2003
<b>Annual runoff (ac-ft)</b>	1,310		2,240		1,630	
<b>10 percent exceeds</b>	4.6		7.7		5.0	
<b>50 percent exceeds</b>	1.2		1.6		1.5	
<b>90 percent exceeds</b>	0.72		0.72		0.60	

