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Water-Data Report UT-2005

**10172727 FAUST CREEK NEAR VERNON, UT**

Great Salt Lake Basin

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, 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>.

**WATER-DISCHARGE 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 poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26 ft<sup>3</sup>/s Jul 17, 2004, gage height, 5.91 ft, at gage datum then in use; minimum daily discharge, 0.07 ft<sup>3</sup>/s Jun 27, 28 and Jul 12, 13, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14 ft<sup>3</sup>/s, May 30, gage height, 6.86 ft; minimum daily discharge, 0.51 ft<sup>3</sup>/s, Jul 18.

## Water-Data Report UT-2005

**10172727 FAUST CREEK NEAR VERNON, UT—Continued**

**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	2.2	1.3	1.2	1.7	1.5	1.0	0.73	1.5	7.2	3.3	1.3	1.1
2	2.7	1.2	1.1	1.7	1.4	0.99	0.73	1.4	6.5	1.8	1.1	1.1
3	3.0	1.3	1.1	1.8	1.4	1.00	0.69	1.5	7.0	1.5	1.1	1.1
4	3.0	1.3	1.1	2.0	1.4	0.96	0.76	1.6	6.7	1.9	1.4	0.97
5	3.2	1.3	1.1	2.0	1.4	0.93	0.76	2.2	5.3	1.3	1.1	1.5
6	3.3	1.2	1.1	2.0	1.4	0.91	0.72	2.3	6.0	1.3	1.1	1.3
7	3.0	1.2	1.1	2.1	1.5	0.88	0.68	3.5	8.1	1.0	1.0	1.4
8	3.2	1.3	1.3	2.1	1.7	0.87	0.70	3.0	7.0	0.88	0.95	1.5
9	2.9	1.3	1.7	2.1	1.6	0.86	0.96	2.7	6.4	0.74	1.3	1.2
10	2.7	1.3	1.6	2.7	1.3	0.84	0.78	3.2	5.7	0.70	2.1	1.1
11	3.3	1.4	1.6	2.7	1.3	0.83	0.72	5.1	6.6	0.59	1.5	1.1
12	3.5	1.6	1.5	2.1	1.7	0.82	0.71	7.3	6.4	0.66	1.1	1.1
13	3.2	1.3	1.4	2.1	1.4	0.79	0.66	6.0	5.3	0.86	0.97	1.9
14	2.9	1.3	1.4	1.9	1.4	0.77	0.67	4.9	5.7	0.67	0.94	1.9
15	2.7	1.2	1.4	1.8	1.5	0.79	0.71	4.7	5.2	0.69	1.0	1.1
16	2.5	1.2	1.4	1.8	1.4	0.78	0.72	5.4	4.6	0.69	1.4	1.2
17	2.4	1.2	1.4	1.8	1.4	0.78	0.68	8.7	3.7	0.66	1.5	1.5
18	2.9	1.1	1.4	1.8	1.3	0.78	0.70	8.3	3.3	0.51	0.79	1.3
19	2.4	1.1	1.4	1.7	1.4	0.77	0.92	8.0	2.4	0.53	0.76	1.0
20	4.0	1.1	1.3	1.7	1.4	0.91	0.88	6.4	1.4	0.70	0.98	1.1
21	3.2	1.1	1.5	1.7	1.3	0.90	0.81	6.9	1.6	0.93	1.1	1.4
22	2.1	1.1	1.5	1.6	1.3	0.86	0.79	7.7	1.9	0.90	1.1	1.3
23	1.8	1.1	1.8	1.6	1.2	1.3	0.78	7.7	2.5	0.90	1.6	1.5
24	2.9	1.1	1.4	1.6	e1.2	1.0	1.3	7.2	2.8	1.0	1.4	2.1
25	3.2	1.3	1.6	1.6	e1.2	0.89	1.2	7.5	2.3	1.4	1.5	2.0
26	2.1	1.4	1.3	1.6	e1.1	0.82	1.1	6.8	1.7	1.3	1.9	2.5
27	1.7	1.4	1.5	1.9	e1.1	0.76	0.90	7.2	1.3	1.1	2.0	2.6
28	1.6	1.8	1.6	1.7	e1.0	0.82	1.1	7.1	1.2	1.0	1.5	2.4
29	1.5	1.7	2.0	1.6	---	0.93	1.8	5.8	1.9	1.2	1.3	1.5
30	1.4	1.2	1.7	1.5	---	0.95	1.7	11	2.5	0.89	0.93	1.5
31	1.4	---	1.7	1.5	---	0.80	---	9.8	---	0.98	1.1	---
<b>Total</b>	81.9	38.4	44.2	57.5	38.2	27.29	26.36	172.4	130.2	32.58	38.82	44.27
<b>Mean</b>	2.64	1.28	1.43	1.85	1.36	0.88	0.88	5.56	4.34	1.05	1.25	1.48
<b>Max</b>	4.0	1.8	2.0	2.7	1.7	1.3	1.8	11	8.1	3.3	2.1	2.6
<b>Min</b>	1.4	1.1	1.1	1.5	1.0	0.76	0.66	1.4	1.2	0.51	0.76	0.97
<b>Ac-ft</b>	162	76	88	114	76	54	52	342	258	65	77	88

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992-98, 2004-05 , BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	1.67	1.67	1.22	1.35	1.77	2.87	2.79	3.29	2.09	2.30	2.23	2.07
<b>Max</b>	2.64	5.19	2.20	1.89	2.49	10.6	5.16	5.56	4.34	7.51	5.27	4.94
(WY)	(2005)	(1995)	(1995)	(1995)	(1992)	(1993)	(1993)	(2005)	(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
(WY)	(2004)	(2004)	(1998)	(2004)	(1994)	(2005)	(2005)	(2003)	(2003)	(1993)	(1993)	(1993)

**10172727 FAUST CREEK NEAR VERNON, UT—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2004</b>	<b>Water Year 2005</b>	<b>Water Years 1992-98, 2004-05</b>	
<b>Annual total</b>	417.97	732.12		
<b>Annual mean</b>	1.14	2.01	2.16	
<b>Highest annual mean</b>			3.13	1996
<b>Lowest annual mean</b>			0.84	2004
<b>Highest daily mean</b>	4.0	Apr 8	11	May 30
<b>Lowest daily mean</b>	0.07	Jun 27	0.51	Jul 18
<b>Annual seven-day minimum</b>	0.08	Jul 7	0.64	Jul 14
<b>Annual runoff (ac-ft)</b>	829		1,450	1,560
<b>10 percent exceeds</b>	2.2		4.6	4.8
<b>50 percent exceeds</b>	0.99		1.4	1.5
<b>90 percent exceeds</b>	0.30		0.79	0.59

