



Water-Data Report 2006

**10172700 VERNON CREEK NEAR VERNON, UT**

Great Salt Lake Basin  
Rush-Tooele Valleys Subbasin

LOCATION.--Lat 39°58'46", long 112°22'46" referenced to North American Datum of 1927, in NE ¼ SW ¼ SW ¼ sec.2, T.10 S., R.5 W., Tooele County, UT, Hydrologic Unit 16020304, on right bank 6.6 mi upstream from confluence with Dutch Creek forming Faust Creek and 8.3 mi southeast of Vernon.

DRAINAGE AREA.--25.0 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--June 1958 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,200 ft above NGVD of 1929, from AMS topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 825 ft<sup>3</sup>/s, Aug 27, 1972, gage height, 5.70 ft, based on slope-area measurement; minimum daily, 0.41 ft<sup>3</sup>/s, Nov 20, 1961.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Mar 29	0415	*50	*2.16
Apr 04	1800	*50	*2.16
Apr 15	0315	49	2.15

Minimum daily discharge, 4.2 ft<sup>3</sup>/s, Dec 8 (estimated), Feb 11 (estimated), Aug 21-22.

## 10172700 VERNON CREEK NEAR VERNON, UT—Continued

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

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	5.7	5.2	5.2	4.8	4.8	5.0	11	9.9	6.3	5.3	5.0	4.3
<b>2</b>	5.7	5.2	5.2	5.1	5.0	5.0	9.5	9.8	6.2	5.3	4.9	4.4
<b>3</b>	5.7	5.2	5.2	5.1	4.7	4.9	15	9.7	6.1	5.2	4.9	4.3
<b>4</b>	5.8	5.2	5.2	4.8	4.8	4.7	27	9.7	6.0	5.2	4.6	4.3
<b>5</b>	5.9	5.2	4.9	4.7	4.7	4.7	20	9.8	5.9	5.2	4.6	4.3
<b>6</b>	5.9	5.2	5.2	4.7	4.7	4.7	11	9.5	5.8	5.2	4.6	4.4
<b>7</b>	5.8	5.2	5.2	4.7	4.7	4.7	11	9.1	5.7	5.2	4.6	4.5
<b>8</b>	5.7	5.2	e4.2	4.7	4.6	4.7	12	8.7	5.7	5.1	4.6	4.6
<b>9</b>	5.9	5.2	4.7	4.7	4.7	4.7	14	8.7	6.0	5.1	4.7	4.8
<b>10</b>	5.9	5.2	5.0	4.7	4.6	4.7	12	8.5	5.9	5.1	4.6	4.6
<b>11</b>	5.9	5.2	5.0	4.7	e4.2	4.6	10	8.2	5.7	5.1	4.4	4.6
<b>12</b>	5.9	5.2	5.0	4.7	4.3	4.7	9.9	8.1	5.6	5.0	4.5	4.6
<b>13</b>	5.9	5.2	4.8	4.7	4.3	4.5	9.9	8.1	5.6	4.9	4.5	4.6
<b>14</b>	5.8	5.2	4.7	4.7	4.4	4.4	9.9	7.9	5.6	4.8	4.5	4.5
<b>15</b>	5.7	5.2	4.6	4.8	4.4	4.5	24	7.8	5.6	4.8	4.4	4.9
<b>16</b>	5.8	5.2	4.7	4.7	4.5	4.5	13	7.6	5.5	4.8	4.4	4.9
<b>17</b>	5.6	5.2	4.7	4.7	4.5	4.6	12	7.6	5.4	4.8	4.4	4.7
<b>18</b>	5.6	5.2	4.7	4.8	4.5	4.6	11	7.6	5.4	4.8	4.4	4.7
<b>19</b>	5.6	5.2	4.7	4.9	4.5	4.5	10	7.6	5.3	4.7	4.3	4.6
<b>20</b>	5.4	5.2	5.0	4.8	4.5	4.6	9.6	7.5	5.3	4.7	4.3	4.8
<b>21</b>	4.8	5.2	4.9	4.7	7.0	4.7	9.1	7.3	5.3	4.7	4.2	4.8
<b>22</b>	5.0	5.2	4.7	4.7	7.0	4.7	8.7	7.3	5.3	4.8	4.2	5.0
<b>23</b>	5.2	5.2	4.8	4.7	6.8	4.7	8.7	7.3	5.3	4.8	4.3	4.8
<b>24</b>	5.0	5.2	4.7	4.7	6.4	4.8	9.1	7.0	5.3	4.8	4.3	4.8
<b>25</b>	5.0	5.2	4.8	4.7	5.6	5.0	8.9	6.6	5.2	4.8	4.3	4.7
<b>26</b>	5.0	5.2	5.0	4.7	4.7	5.1	8.7	6.5	5.3	4.7	4.4	4.7
<b>27</b>	5.3	5.2	4.7	4.7	4.5	4.7	8.8	6.6	5.3	4.6	4.4	4.7
<b>28</b>	6.2	5.1	4.8	4.7	5.2	17	9.3	6.6	5.3	4.6	4.4	4.7
<b>29</b>	5.2	5.2	4.9	4.7	---	33	9.6	6.6	5.4	4.6	4.3	4.7
<b>30</b>	5.2	5.2	5.0	4.7	---	13	9.9	6.5	5.3	4.6	4.3	4.7
<b>31</b>	5.2	---	5.1	4.7	---	9.8	---	6.5	---	4.8	4.4	---
<b>Total</b>	172.3	155.9	151.3	147.2	138.6	199.8	352.6	246.2	167.6	152.1	138.7	139.0
<b>Mean</b>	5.56	5.20	4.88	4.75	4.95	6.45	11.8	7.94	5.59	4.91	4.47	4.63
<b>Max</b>	6.2	5.2	5.2	5.1	7.0	33	27	9.9	6.3	5.3	5.0	5.0
<b>Min</b>	4.8	5.1	4.2	4.7	4.2	4.4	8.7	6.5	5.2	4.6	4.2	4.3
<b>Ac-ft</b>	342	309	300	292	275	396	699	488	332	302	275	276

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2006, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	3.10	3.03	2.92	2.91	2.98	3.45	5.77	6.80	4.29	3.43	3.13	3.08
<b>Max</b>	9.08	8.89	7.93	7.92	7.65	9.30	21.6	40.0	19.3	12.3	10.1	9.61
(WY)	(1984)	(1985)	(1985)	(1985)	(1985)	(1985)	(1983)	(1983)	(1983)	(1983)	(1983)	(1983)
<b>Min</b>	1.06	1.20	1.23	1.08	1.32	1.42	1.42	1.20	1.20	1.05	1.01	1.11
(WY)	(1960)	(1960)	(1960)	(1961)	(1961)	(1961)	(1961)	(1961)	(1961)	(1961)	(1961)	(1959)

**10172700 VERNON CREEK NEAR VERNON, UT—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2005</b>	<b>Water Year 2006</b>	<b>Water Years 1959 - 2006</b>	
<b>Annual total</b>	2,621.1	2,161.3		
<b>Annual mean</b>	7.18	5.92	3.74	
<b>Highest annual mean</b>			12.0	1983
<b>Lowest annual mean</b>			1.26	1961
<b>Highest daily mean</b>	47	May 7	33	Mar 29
<b>Lowest daily mean</b>	2.2	Jan 7	4.2	Dec 8
<b>Annual seven-day minimum</b>	2.6	Jan 29	4.3	Aug 19
<b>Annual runoff (ac-ft)</b>	5,200		4,290	2,710
<b>10 percent exceeds</b>	14		9.0	7.2
<b>50 percent exceeds</b>	5.4		5.0	2.6
<b>90 percent exceeds</b>	2.9		4.5	1.5

