



Water-Data Report 2010

## 08067252 Trinity River at Wallisville, TX

Lower Trinity Basin  
Lower Trinity Subbasin

LOCATION.--Lat 29°48'44", long 94°43'52" referenced to North American Datum of 1927, Chambers County, TX, Hydrologic Unit 12030203, in the center of the Trinity River Dam at the U.S. Army Corps of Engineers river lock which is located 3.0 miles west along Interstate Highway 10 from the Interstate overpass over Farm Road 563, 2.0 miles below Wallisville and 3.9 river miles from mouth.

DRAINAGE AREA.--17,796 mi<sup>2</sup>.

### **SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Oct. 1994 to current year.

GAGE.--Water-stage recorders. Datum of gage is NGVD of 1929. Prior to Mar. 1999 at site 2.3 mi upstream. Satellite telemeter at station.

REMARKS.--Records good. Pressure transducers are installed to record river elevation on the upstream and downstream side of the dam. Changes in elevation are mostly caused by tidal fluctuations. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 15.65 ft, Sept. 13, 2008 (Hurricane Ike); minimum elevation, -1.78 ft, Dec. 16, 2007.

EXTREMES FOR CURRENT YEAR.--Maximum elevation (upstream), 4.48 ft, Nov. 9; minimum elevation (upstream), -0.69 ft, Jan. 9. Maximum elevation (downstream), 4.49 ft, Oct. 22; minimum elevation (downstream), -0.49 ft, Jan. 9.

## 08067252 Trinity River at Wallisville, TX—Continued

UPSTREAM ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	2.45	1.63	3.95	3.49	2.73	1.45	1.83	1.19	1.94	1.33	3.76	3.33
2	1.99	1.21	4.09	3.77	2.91	1.47	1.81	1.31	1.94	1.43	3.49	3.18
3	2.09	1.20	4.17	3.88	1.62	1.20	1.99	1.11	2.47	1.41	3.37	2.96
4	2.64	1.89	4.22	3.98	1.66	1.17	1.58	0.24	2.94	1.97	3.44	3.03
5	2.37	0.83	4.26	3.95	1.85	1.30	0.71	0.09	2.75	1.93	3.35	3.05
6	2.20	1.32	4.32	4.02	2.49	1.68	1.46	0.32	2.15	1.80	3.26	3.01
7	2.22	0.97	4.42	3.97	2.66	1.57	1.57	-0.35	2.70	1.89	3.35	2.93
8	2.58	1.61	4.37	4.04	2.51	1.90	-0.35	-0.66	3.12	2.40	3.55	3.04
9	3.35	1.01	4.48	4.03	2.25	1.39	0.25	-0.69	2.88	2.40	3.56	3.11
10	1.57	0.43	4.28	3.90	2.08	1.31	0.72	-0.40	2.91	2.46	3.35	2.85
11	1.87	0.56	4.08	3.74	2.89	1.90	0.67	-0.28	3.33	2.82	3.34	2.88
12	2.41	1.20	4.04	3.72	3.30	2.81	0.64	-0.35	3.42	3.11	3.12	2.74
13	2.51	1.35	4.01	3.59	3.10	2.14	0.74	-0.43	3.60	3.22	3.05	2.50
14	2.20	1.48	3.93	3.42	2.73	2.02	1.29	0.10	3.79	3.53	2.84	2.62
15	2.26	1.59	3.94	3.56	2.75	1.82	2.01	0.48	3.94	3.67	2.77	2.58
16	1.87	---	4.00	3.33	2.40	1.52	2.27	0.62	4.09	3.75	2.73	2.53
17	1.85	1.03	3.45	2.94	2.46	1.76	1.19	-0.23	4.08	3.81	2.68	2.43
18	2.15	1.34	3.41	2.85	2.39	1.49	0.96	0.14	4.16	3.82	2.65	2.43
19	2.37	1.70	3.55	3.02	1.68	0.89	1.16	0.33	4.31	3.93	2.88	2.51
20	2.59	1.87	3.92	3.17	1.27	0.70	1.46	0.70	4.28	3.96	3.09	2.60
21	3.26	2.35	3.90	3.07	1.29	0.63	1.39	0.67	4.41	4.04	2.68	2.41
22	4.40	2.80	3.39	2.80	1.67	0.89	1.59	0.35	4.42	3.91	2.73	2.24
23	2.95	2.23	3.14	2.66	2.24	1.41	1.96	0.89	4.27	3.85	2.75	2.33
24	2.82	2.26	3.22	2.48	2.74	0.63	1.58	0.67	4.00	3.66	2.99	2.58
25	3.40	2.61	2.65	2.25	0.63	-0.16	0.86	-0.04	4.01	3.47	3.13	2.63
26	3.85	3.03	2.52	1.83	2.09	0.43	1.31	0.06	4.01	3.61	2.92	2.58
27	3.63	3.06	2.23	1.72	2.10	1.34	1.73	0.23	3.78	3.39	3.29	2.84
28	3.55	3.00	2.39	1.75	1.84	1.18	2.01	0.68	3.68	3.27	3.09	2.52
29	4.29	3.46	2.44	1.81	2.07	1.27	2.80	0.85	---	---	2.77	2.32
30	---	---	2.38	1.33	2.40	1.78	0.85	0.08	---	---	2.70	2.29
31	3.71	3.31	---	---	2.35	1.34	1.46	0.23	---	---	2.63	2.31
Month	---	---	4.48	1.33	3.30	-0.16	2.80	-0.69	4.42	1.33	3.76	2.24

## 08067252 Trinity River at Wallisville, TX—Continued

UPSTREAM ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	2.62	2.26	3.00	1.56	1.63	0.57	3.09	2.21	0.88	0.22	1.26	1.09
2	3.00	2.30	2.56	1.64	1.79	0.74	2.96	2.23	1.21	0.19	1.54	1.09
3	2.76	2.25	2.22	1.24	2.11	0.98	2.72	1.77	1.15	0.09	1.46	1.25
4	2.75	2.05	2.10	1.25	1.57	0.73	2.49	1.78	1.35	0.17	1.33	1.22
5	2.73	2.25	2.21	1.33	1.75	0.85	2.66	1.53	1.47	0.19	1.57	1.22
6	2.94	2.39	2.03	1.43	1.57	0.82	2.31	1.52	1.09	0.88	1.50	1.32
7	2.94	2.48	2.02	1.48	1.47	0.69	3.22	1.56	1.20	0.89	1.66	1.43
8	2.52	1.88	1.48	0.57	2.18	0.64	4.05	2.35	1.29	0.92	1.76	1.57
9	2.50	1.89	1.68	0.56	2.19	0.60	3.10	1.85	1.27	1.14	1.83	1.76
10	2.57	2.21	2.41	1.33	2.23	0.95	2.47	1.53	1.26	1.13	1.84	1.63
11	2.47	1.99	2.46	1.65	2.67	1.03	2.46	1.32	---	---	1.83	1.54
12	2.05	1.63	2.72	1.54	2.56	1.21	2.45	1.43	---	---	1.66	1.08
13	2.25	1.62	2.72	1.32	2.25	1.15	2.17	1.31	1.39	1.30	1.38	1.18
14	2.27	1.44	2.43	0.94	2.17	0.91	1.65	0.76	1.38	1.26	1.51	0.57
15	2.42	1.32	2.25	1.10	2.28	1.09	1.34	0.54	1.38	1.02	1.90	0.75
16	2.50	1.64	1.91	0.54	2.13	1.25	1.33	0.55	1.20	1.08	2.13	0.90
17	2.18	1.04	1.96	0.32	2.28	1.38	1.49	0.48	1.14	1.05	2.54	1.13
18	1.94	0.72	1.69	0.23	2.33	1.82	1.66	0.60	1.19	1.01	2.60	1.59
19	1.39	0.39	2.13	0.55	2.17	1.80	2.03	0.65	1.22	1.10	2.74	1.87
20	1.42	-0.04	2.18	1.15	2.07	1.77	2.07	0.65	1.26	1.10	2.70	1.83
21	1.58	0.23	1.82	1.05	2.46	1.84	2.05	0.67	1.40	1.16	2.72	2.03
22	2.02	0.55	2.01	1.34	2.56	1.83	2.68	1.03	1.32	1.11	3.10	2.31
23	2.28	1.60	2.63	1.24	2.60	1.93	2.59	1.29	1.15	0.95	3.13	2.56
24	2.44	1.14	2.51	1.15	2.49	1.56	1.98	0.86	1.04	0.90	2.91	2.17
25	1.14	0.21	2.16	0.95	2.21	1.35	1.55	0.41	0.96	0.82	2.84	1.83
26	1.42	0.12	1.62	0.62	2.28	1.22	2.20	0.37	0.89	0.78	2.63	1.51
27	1.03	0.50	1.65	0.33	2.43	1.29	2.30	0.84	0.88	0.77	1.82	0.99
28	1.54	0.34	1.39	0.43	2.29	1.47	1.95	1.25	0.91	0.76	1.98	1.18
29	2.32	0.99	1.78	0.45	2.74	1.04	1.32	0.66	1.04	0.77	2.30	1.06
30	2.97	1.72	2.11	0.63	2.63	1.82	1.07	0.43	1.16	0.93	2.07	0.65
31	---	---	1.59	0.75	---	---	1.08	0.21	1.24	1.10	---	---
Month	3.00	-0.04	3.00	0.23	2.74	0.57	4.05	0.21	---	---	3.13	0.57

## 08067252 Trinity River at Wallisville, TX—Continued

DOWNSTREAM ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
<b>1</b>	2.23	1.39	3.96	3.46	2.77	1.32	1.82	1.20	1.99	1.36	3.71	3.13
<b>2</b>	1.83	1.02	4.11	3.80	2.92	1.47	1.85	1.35	1.99	1.52	3.42	3.02
<b>3</b>	1.95	1.05	4.22	3.99	1.62	1.21	2.03	1.20	2.48	1.46	3.25	2.93
<b>4</b>	2.50	1.74	4.24	4.00	1.65	1.18	1.66	0.38	2.96	1.98	3.36	2.74
<b>5</b>	2.21	0.65	4.27	4.07	1.83	1.28	0.82	0.23	2.71	1.80	3.28	2.91
<b>6</b>	2.06	1.16	4.34	4.07	2.50	1.70	1.56	0.46	2.07	1.69	3.21	2.87
<b>7</b>	2.07	0.82	4.41	4.05	2.68	1.56	1.68	-0.18	2.65	1.70	3.24	2.79
<b>8</b>	2.42	1.44	4.39	4.09	2.52	1.91	-0.18	-0.47	3.07	2.29	3.51	2.81
<b>9</b>	3.19	0.84	4.45	4.05	2.23	1.34	0.41	-0.49	2.84	2.28	3.49	2.95
<b>10</b>	1.43	0.26	4.34	3.98	2.04	1.26	0.86	-0.22	2.81	2.17	3.27	2.64
<b>11</b>	1.69	0.40	4.12	3.84	2.83	1.80	0.81	-0.11	3.24	2.62	3.28	2.77
<b>12</b>	2.20	0.99	4.06	3.64	3.24	2.73	0.78	-0.20	3.32	2.58	3.05	2.68
<b>13</b>	2.25	0.99	4.01	3.47	3.04	2.07	0.89	-0.26	3.48	2.97	2.91	2.42
<b>14</b>	1.82	1.14	3.94	3.38	2.68	1.92	1.43	0.24	3.67	3.27	2.74	2.43
<b>15</b>	2.00	1.26	3.96	3.48	2.69	1.55	2.12	0.64	3.78	3.52	2.75	2.41
<b>16</b>	1.56	---	4.00	3.38	2.35	1.45	2.37	0.75	3.88	3.42	2.69	2.42
<b>17</b>	1.88	0.91	3.45	2.91	2.42	1.79	1.31	-0.07	3.94	3.56	2.64	2.28
<b>18</b>	2.14	1.16	3.39	2.80	2.37	1.48	1.10	0.28	3.98	3.53	2.62	2.27
<b>19</b>	2.34	1.49	3.53	2.88	1.70	0.88	1.29	0.47	4.12	3.79	2.85	2.41
<b>20</b>	2.59	1.59	3.90	3.26	1.33	0.75	1.59	0.83	4.15	3.84	2.99	2.49
<b>21</b>	3.36	2.44	3.86	3.03	1.33	0.71	1.51	0.79	4.32	3.93	2.68	2.24
<b>22</b>	4.49	2.86	3.36	2.69	1.76	0.98	1.71	0.45	4.21	3.75	2.64	2.06
<b>23</b>	2.90	2.21	3.10	2.67	2.33	1.50	2.07	0.99	3.99	3.63	2.71	2.01
<b>24</b>	2.81	2.15	3.14	2.48	2.81	0.73	1.70	0.81	3.88	3.50	2.93	2.48
<b>25</b>	3.38	2.67	2.62	2.14	0.73	-0.04	1.00	0.12	3.86	3.36	2.97	2.55
<b>26</b>	3.84	3.08	2.54	1.65	2.11	0.53	1.43	0.21	3.92	3.51	2.86	2.57
<b>27</b>	3.49	2.91	2.24	1.71	2.12	1.38	1.86	0.38	3.68	3.23	3.21	2.75
<b>28</b>	3.41	2.96	2.43	1.79	1.88	1.19	2.14	0.82	3.60	3.22	3.03	2.42
<b>29</b>	4.30	3.37	2.49	1.85	2.09	1.30	2.91	0.98	---	---	2.73	2.26
<b>30</b>	---	---	2.41	1.03	2.42	1.79	0.99	0.20	---	---	2.64	2.22
<b>31</b>	3.83	3.25	---	---	2.37	1.39	1.56	0.36	---	---	2.64	2.21
<b>Month</b>	---	---	4.45	1.03	3.24	-0.04	2.91	-0.49	4.32	1.36	3.71	2.01

## 08067252 Trinity River at Wallisville, TX—Continued

DOWNSTREAM ELEVATION ABOVE NGVD 1929, FEET  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	2.59	2.17	2.90	1.43	1.63	0.57	3.06	2.06	0.90	0.23	2.46	1.17
2	3.01	2.16	2.46	1.52	1.80	0.75	2.94	2.22	1.23	0.22	2.71	1.16
3	2.73	2.18	2.09	1.11	2.10	0.98	2.70	1.76	1.17	0.12	2.49	0.49
4	2.78	1.88	1.99	1.15	1.55	0.72	2.47	1.77	1.36	0.20	1.96	0.49
5	2.73	2.18	2.11	1.18	1.72	0.85	2.63	1.50	1.48	0.13	2.26	0.48
6	2.94	2.27	1.91	1.33	1.54	0.81	2.28	1.49	1.64	0.08	3.44	1.11
7	2.93	2.44	1.94	1.42	1.46	0.69	3.17	1.52	1.99	0.08	3.75	1.89
8	2.53	1.80	1.42	0.52	2.14	0.60	4.00	2.31	1.95	0.26	2.83	2.06
9	2.47	1.69	1.65	0.55	2.14	0.58	3.06	1.81	1.54	0.42	2.37	1.56
10	2.55	2.11	2.36	1.29	2.17	0.91	2.41	1.50	1.84	0.15	2.28	1.21
11	2.45	1.91	2.42	1.62	2.60	0.99	2.41	1.27	1.89	0.56	2.23	0.64
12	2.05	1.61	2.68	1.51	2.50	1.16	2.43	1.40	1.99	0.83	1.75	-0.14
13	2.26	1.66	2.68	1.30	2.17	1.10	2.15	1.30	1.97	0.98	1.42	0.17
14	2.30	1.48	2.39	0.93	2.09	0.84	1.64	0.76	1.97	0.68	1.96	0.50
15	2.42	1.36	2.21	1.08	2.17	1.00	1.34	0.55	1.81	0.20	1.91	0.76
16	2.48	1.64	1.87	0.54	2.00	1.13	1.34	0.57	1.52	0.00	2.13	0.92
17	2.14	1.04	1.92	0.32	2.12	1.22	1.49	0.50	1.55	0.15	2.51	1.12
18	1.87	0.70	1.66	0.25	2.18	1.50	1.66	0.62	1.77	0.22	2.57	1.56
19	1.34	0.35	2.09	0.55	1.98	1.61	2.03	0.65	1.89	0.22	2.69	1.84
20	1.35	-0.08	2.15	1.13	1.89	1.56	2.06	0.65	1.98	0.20	2.64	1.78
21	1.51	0.18	1.79	1.04	2.20	1.60	2.03	0.67	1.90	0.60	2.67	1.96
22	1.94	0.49	1.98	1.34	2.30	1.63	2.66	1.03	1.33	0.32	3.03	2.25
23	2.21	1.53	2.60	1.23	2.30	1.67	2.58	1.29	1.30	-0.06	3.07	2.52
24	2.36	1.08	2.49	1.14	2.33	1.42	1.97	0.87	1.59	0.12	2.84	2.02
25	1.08	0.16	2.14	0.93	2.00	1.16	1.56	0.44	1.54	0.39	2.75	1.71
26	1.35	0.07	1.65	0.62	2.11	1.07	2.22	0.39	1.76	0.61	2.57	1.45
27	0.95	0.41	1.68	0.37	2.27	1.14	2.30	0.86	1.60	0.69	1.80	0.89
28	1.47	0.28	1.41	0.46	2.15	1.32	1.96	1.26	1.82	0.85	1.94	1.13
29	2.25	0.92	1.79	0.45	2.59	0.90	1.33	0.69	1.93	1.11	2.28	1.05
30	2.87	1.63	2.12	0.65	2.47	1.67	1.09	0.46	2.34	1.16	2.07	0.65
31	---	---	1.59	0.77	---	---	1.10	0.21	2.28	0.84	---	---
Month	3.01	-0.08	2.90	0.25	2.60	0.57	4.00	0.21	2.34	-0.06	3.75	-0.14

**08067252 Trinity River at Wallisville, TX—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--

CHEMICAL DATA: Apr. 2009 to current year.

BIOCHEMICAL DATA: Apr. 2009 to current year.

SEDIMENT DATA: Apr. 2009 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1995 to current year.

WATER TEMPERATURE: July 1995 to current year.

INSTRUMENTATION.--Water-quality monitor since July 1995. A second water-quality monitor was installed on downstream side of dam Mar. 19, 1999.

REMARKS.--Records for upstream water temperature and upstream specific conductance good; record for downstream water temperature and downstream specific conductance good. Interruptions or periods of missing record may be due to instrument failure, no flow conditions or data corrections exceeding allowable criteria, which were deleted. Other than no flow conditions, minimum and maximum extremes may have occurred during period of missing record

Gage was relocated to permanent location after dam and lock were completed on Mar. 18, 1999, from temporary location 2.3 miles upstream. Water-quality monitors are installed to record data on the upstream and downstream sides of the dam.

Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE (UPSTREAM): Maximum, 27,800 microsiemens/cm, Mar. 10, 2009; minimum, 107 microsiemens/cm, Nov. 18, 2003.

WATER TEMPERATURE (UPSTREAM): Maximum, 34.9°C, July 22, 2001; minimum, 6.2°C, Jan. 11, 2010.

SPECIFIC CONDUCTANCE (DOWNSTREAM): Maximum 34,500 microsiemens/cm, Dec. 3, 1999; minimum, 120 microsiemens/cm, Oct. 20, 2006.

WATER TEMPERATURE (DOWNSTREAM): Maximum, 34.4°C, Aug. 10, 1999; minimum, 6.2°C, Jan. 11, 2010.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE (UPSTREAM): Maximum, 14,400 microsiemens/cm, Oct. 9; minimum, 262 microsiemens/cm, Dec. 27.

WATER TEMPERATURE (UPSTREAM): Maximum, 34.4°C, Aug. 11; minimum, 6.2°C, Jan. 11.

SPECIFIC CONDUCTANCE (DOWNSTREAM): Maximum, 19,200 microsiemens/cm, Sept. 8; minimum, 262 microsiemens/cm, Dec. 27.

WATER TEMPERATURE (DOWNSTREAM): Maximum, 34.1°C, Aug. 13; minimum, 6.2°C, Jan. 11.

## 08067252 Trinity River at Wallisville, TX—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 1 of 3

[%, percent; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; <, less than; E, estimated]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Discharge, instantaneous, ft <sup>3</sup> /s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, μS/cm at 25 °C (00095)
04-20-2009	1841	Surface water	Regular	--	16,100	6.1	--	7.5	321
04-20-2009	2315	Surface water	Regular	--	E 16,300	6.7	--	7.6	340
04-21-2009	0224	Surface water	Regular	--	16,600	7.0	--	7.6	352
04-21-2009	0225	<i>QC sample - Surface water</i>	<i>Replicate</i>	--	--	--	--	--	--
04-21-2009	0635	Surface water	Regular	--	16,200	7.0	--	7.6	368
04-21-2009	1049	Surface water	Regular	--	E 16,300	7.2	--	7.6	375
04-21-2009	1050	<i>QC sample - Surface water</i>	<i>Replicate</i>	--	--	--	--	--	--
04-21-2009	1521	Surface water	Regular	--	16,200	7.3	--	7.6	381
04-21-2009	1928	Surface water	Regular	--	15,800	8.0	--	7.7	387
04-21-2009	1929	<i>QC sample - Surface water</i>	<i>Replicate</i>	--	--	--	--	--	--
04-21-2009	2303	Surface water	Regular	--	15,600	8.1	--	7.7	390
04-22-2009	0308	Surface water	Regular	--	15,800	8.3	--	7.7	393
04-22-2009	0642	Surface water	Regular	--	15,900	7.9	--	7.7	394
04-22-2009	0643	<i>QC sample - Surface water</i>	<i>Replicate</i>	--	--	--	--	--	--
04-22-2009	1041	Surface water	Regular	--	16,200	7.6	--	7.7	391
04-22-2009	1450	Surface water	Regular	--	16,200	7.9	--	7.8	386
04-22-2009	1908	Surface water	Regular	--	15,800	8.8	--	7.8	379
04-22-2009	1909	<i>QC sample - Surface water</i>	<i>Replicate</i>	--	--	--	--	--	--
04-22-2009	2248	Surface water	Regular	--	15,900	8.6	--	7.8	377
04-23-2009	0247	Surface water	Regular	--	16,100	8.7	--	7.8	378
04-23-2009	0648	Surface water	Regular	--	16,400	8.2	--	7.8	380
04-23-2009	0649	<i>QC sample - Surface water</i>	<i>Replicate</i>	--	--	--	--	--	--
04-23-2009	1037	Surface water	Regular	--	16,300	8.1	--	7.8	380
09-22-2009	1210	Surface water	Regular	757	4,850	6.0	77	8.1	405
09-25-2009	1050	Surface water	Regular	760	7,540	6.8	83	7.6	394
09-25-2009	1051	<i>QC sample - Surface water</i>	<i>Replicate</i>	760	--	--	83	--	--
09-25-2009	1455	Surface water	Regular	760	7,800	7.2	88	7.6	395
09-28-2009	1235	Surface water	Regular	758	9,300	8.4	106	7.8	399

## 08067252 Trinity River at Wallisville, TX—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 2 of 3

[%, percent; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; <, less than; E, estimated]

Date	Temperature, water, °C (00010)	Turbidity, water, unfiltered, monochrome near infra-red LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (63680)	Type of replicate (99105)	Ammonia, water, filtered, mg/L as NH4 (71846)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrate, water, filtered, mg/L (71851)	Nitrate, water, filtered, mg/L as N (00618)	Nitrite, water, filtered, milligrams per liter (71856)	Nitrite, water, filtered, mg/L as N (00613)
04-20-2009	19.3	220	--	.164	.127	.17	.723	.163	.038	.012
04-20-2009	19.1	200	--	.161	.125	.17	.706	.160	.034	.010
04-21-2009	19.0	180	--	.073	.057	.17	.722	.163	.036	.011
04-21-2009	--	--	<i>Split</i>	<i>E .025</i>	<i>E .020</i>	.18	.763	.172	.035	.011
04-21-2009	19.0	150	--	.148	.115	.18	.740	.167	.035	.011
04-21-2009	19.2	140	--	.131	.102	.17	.723	.163	.032	.010
04-21-2009	--	--	<i>Split</i>	.125	.097	.17	.719	.162	.032	.010
04-21-2009	19.8	130	--	.090	.070	.15	.643	.145	.029	.009
04-21-2009	19.9	120	--	< .026	< .020	.17	.690	.156	.030	.009
04-21-2009	--	--	<i>Split</i>	< .026	< .020	.17	.706	.160	.031	.009
04-21-2009	19.8	110	--	< .026	< .020	.17	.733	.166	.031	.009
04-22-2009	19.7	99	--	< .026	< .020	.17	.714	.161	.029	.009
04-22-2009	19.8	91	--	.039	.030	.17	.710	.160	.022	.007
04-22-2009	--	--	<i>Split</i>	.045	.035	.16	.684	.154	.022	.007
04-22-2009	20.0	86	--	E .020	E .016	.14	.593	.134	.017	.005
04-22-2009	20.6	82	--	< .026	< .020	.15	.664	.150	.016	.005
04-22-2009	20.8	79	--	< .026	< .020	.15	.594	.134	.039	.012
04-22-2009	--	--	<i>Split</i>	< .026	< .020	.14	.588	.133	.030	.009
04-22-2009	20.6	74	--	< .026	< .020	.14	.559	.126	.045	.014
04-23-2009	20.6	69	--	< .026	< .020	.14	.526	.119	.053	.016
04-23-2009	20.5	66	--	< .026	< .020	.12	.498	.113	.015	.004
04-23-2009	--	--	<i>Split</i>	<i>E .016</i>	<i>E .012</i>	.12	.520	.117	.015	.005
04-23-2009	20.7	60	--	< .026	< .020	.11	.475	.107	.015	.005
09-22-2009	27.8	18	--	E .015	E .012	< .04	< .177	< .040	< .007	< .002
09-25-2009	25.6	47	--	.038	.029	.10	.424	.096	.014	.004
09-25-2009	--	--	<i>Split</i>	< .026	< .020	.09	.394	.089	.013	.004
09-25-2009	25.6	48	--	< .026	< .020	.13	.526	.119	.027	.008
09-28-2009	26.6	35	--	< .026	< .020	.09	< .407	< .092	< .007	< .002



## 08067252 Trinity River at Wallisville, TX—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 3 of 3

[%, percent; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; <, less than; E, estimated]

Date	Organic nitrogen, water, unfiltered, mg/L (00605)	Orthophosphate, water, filtered, mg/L (00660)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, unfiltered, analytically determined, mg/L (62855)	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons per day (80155)
04-20-2009	1.3	.039	.013	.35	1.60	75	854	37,100
04-20-2009	1.1	.038	.013	.29	1.41	74	733	E 32,300
04-21-2009	1.2	E .012	E .004	.320	1.38	75	652	29,200
04-21-2009	E 1.1	E .013	E .004	.337	1.33	76	661	--
04-21-2009	1.1	.035	.012	.295	1.35	78	541	23,600
04-21-2009	1.0	.036	.012	.301	1.29	72	557	E 24,500
04-21-2009	.97	.036	.012	.321	1.24	74	529	--
04-21-2009	1.1	.033	.011	.276	1.36	68	567	24,900
04-21-2009	< 1.1	< .025	< .008	.254	1.24	69	498	21,200
04-21-2009	< 1.1	< .025	< .008	.137	1.30	70	502	--
04-21-2009	< 1.1	< .025	< .008	.121	1.30	64	541	22,900
04-22-2009	< 1.1	< .025	< .008	.226	1.24	70	429	18,300
04-22-2009	1.1	.036	.012	.225	1.25	69	414	17,800
04-22-2009	.99	.036	.012	.222	1.19	68	423	--
04-22-2009	E .93	.028	.009	.212	1.08	67	391	17,100
04-22-2009	< 2.0	.032	.011	.52	2.15	69	374	16,400
04-22-2009	< .92	< .025	< .008	.190	1.07	61	378	16,100
04-22-2009	< .92	E .014	E .004	.197	1.07	65	344	--
04-22-2009	< .87	< .025	< .008	.190	1.01	65	331	14,200
04-23-2009	< .94	< .025	< .008	.210	1.07	61	321	13,900
04-23-2009	< .77	.033	.011	.185	.89	70	264	11,700
04-23-2009	E .90	.036	.012	.196	1.04	70	274	--
04-23-2009	< 1.0	.030	.010	.170	1.13	65	258	11,300
09-22-2009	< .85	.136	.044	.179	.86	72	214	2,800
09-25-2009	.95	.093	.030	.217	1.08	98	243	4,950
09-25-2009	< .98	.079	.026	.227	1.07	--	--	--
09-25-2009	< .83	.067	.022	.191	.95	85	188	3,960
09-28-2009	< .79	.114	.037	.169	.88	80	150	3,770

## 08067252 Trinity River at Wallisville, TX—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 1 of 3

[%, percent; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; <, less than; E, estimated]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Discharge, instantaneous, ft <sup>3</sup> /s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, μS/cm at 25 °C (00095)
10-21-2009	1245	Surface water	Regular	757	13,300	8.7	101	8.2	401
10-25-2009	1150	Surface water	Regular	757	17,400	8.0	90	7.8	391
10-25-2009	1151	<i>QC sample - Surface water</i>	<i>Replicate</i>	757	--	--	--	--	--
10-29-2009	1135	Surface water	Regular	751	18,300	7.8	87	7.6	374
11-03-2009	1310	Surface water	Regular	766	21,700	6.3	68	7.2	347
11-03-2009	1311	<i>QC sample - Surface water</i>	<i>Replicate</i>	--	--	--	--	--	--
02-02-2010	0933	Surface water	Regular	761	12,000	11.2	98	8.0	329
02-05-2010	1114	Surface water	Regular	755	14,200	11.0	98	8.0	337
02-08-2010	1041	Surface water	Regular	754	15,700	11.3	102	8.0	342
02-10-2010	1229	Surface water	Regular	767	18,700	11.3	99	8.1	351
02-12-2010	1351	Surface water	Regular	760	19,800	11.4	100	8.0	368
02-18-2010	1423	Surface water	Regular	765	21,800	11.1	97	7.8	348
06-10-2010	1330	Surface water	Regular	757	.16	8.4	113	8.5	404
07-08-2010	1245	Surface water	Regular	--	293	6.5	--	8.0	357
07-08-2010	1246	<i>QC sample - Surface water</i>	<i>Replicate</i>	--	--	--	--	--	--
07-22-2010	1305	Surface water	Regular	--	1,230	7.5	--	7.9	367
08-02-2010	1345	Surface water	Regular	--	973	7.5	--	9.1	390
08-02-2010	1415	Surface water	Regular	--	--	8.8	--	9.3	373

## 08067252 Trinity River at Wallisville, TX—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 2 of 3

[%, percent; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; <, less than; E, estimated]

Date	Temperature, water, °C (00010)	Turbidity, water, unfiltered, monochrome near infra-red LED light, 780-900 nm, detection angle 90 +/- 2.5 degrees, FNU (63680)	Type of replicate (99105)	Ammonia, water, filtered, mg/L as NH4 (71846)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrate, water, filtered, mg/L (71851)	Nitrate, water, filtered, mg/L as N (00618)	Nitrite, water, filtered, milligrams per liter (71856)	Nitrite, water, filtered, mg/L as N (00613)
10-21-2009	22.4	41	--	.053	.041	.17	< .730	< .165	< .033	< .010
10-25-2009	20.9	82	--	.062	.048	.24	.999	.226	.047	.014
10-25-2009	--	--	<i>Split</i>	.062	.049	.24	1.02	.230	.046	.014
10-29-2009	20.5	76	--	.040	.031	.43	1.74	.393	.124	.038
11-03-2009	19.1	58	--	.048	.037	.35	1.53	.345	.029	.009
11-03-2009	--	--	<i>Split</i>	.035	.027	.35	1.51	.342	.026	.008
02-02-2010	9.5	43	--	< .026	< .020	.66	2.90	.654	.010	.003
02-05-2010	10.0	41	--	< .026	< .020	.64	2.77	.625	.041	.012
02-08-2010	10.3	44	--	E .017	E .013	.68	2.98	.674	.011	.003
02-10-2010	10.1	66	--	.048	.037	.72	3.16	.714	.013	.004
02-12-2010	9.3	62	--	< .026	< .020	.99	4.36	.986	.027	.008
02-18-2010	9.7	51	--	.029	.023	.86	3.76	.849	.023	.007
06-10-2010	30.3	10	--	E .022	E .017	.09	.345	.078	.039	.012
07-08-2010	30.6	21	--	.028	.022	< .04	< .177	< .040	< .007	< .002
07-08-2010	--	--	<i>Split</i>	.028	.021	< .04	< .177	< .040	< .007	< .002
07-22-2010	31.3	9.7	--	< .026	< .020	< .04	< .177	< .040	< .007	< .002
08-02-2010	32.0	15	--	< .026	< .020	< .04	< .177	< .040	< .007	< .002
08-02-2010	33.3	15	--	.057	.044	< .04	< .169	< .038	E .006	E .002

## 08067252 Trinity River at Wallisville, TX—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 3 of 3

[%, percent; FNU, Formazin nephelometric units; LED, light-emitting diode; N, nitrogen; P, phosphorus; ft<sup>3</sup>/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; mm, millimeters; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; <, less than; E, estimated]

Date	Organic nitrogen, water, unfiltered, mg/L (00605)	Orthophosphate, water, filtered, mg/L (00660)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, unfiltered, analytically determined, mg/L (62855)	Suspended sediment, sieve diameter, percent smaller than 0.0625 mm (70331)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons per day (80155)
10-21-2009	.34	.093	.030	.034	.54	89	180	6,460
10-25-2009	.72	.069	.023	.190	1.00	76	366	17,200
10-25-2009	.73	.067	.022	.203	1.02	76	342	--
10-29-2009	.68	.080	.026	.176	1.14	66	387	19,100
11-03-2009	.66	.090	.029	.169	1.05	43	408	23,900
11-03-2009	.64	.088	.029	.166	1.01	44	416	--
02-02-2010	< .65	.127	.041	.161	1.30	83	181	5,860
02-05-2010	< .60	.030	.010	.154	1.24	59	241	9,240
02-08-2010	E .59	.120	.039	.153	1.28	56	308	13,100
02-10-2010	.69	.125	.041	.176	1.44	54	367	18,500
02-12-2010	< .64	.103	.034	.205	1.64	46	490	26,200
02-18-2010	.69	.140	.046	.172	1.57	28	425	25,000
06-10-2010	E .58	E .017	E .006	.054	.69	92	16	.01
07-08-2010	< .60	.188	.061	.119	.62	96	23	18
07-08-2010	< .60	.188	.061	.119	.62	98	23	--
07-22-2010	< .50	.085	.028	.075	.50	96	19	63
08-02-2010	< .61	.069	.023	.106	.61	98	24	63
08-02-2010	< .70	.049	.016	.091	.75	96	17	--

## 08067252 Trinity River at Wallisville, TX—Continued

UPSTREAM SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	408	400	403	365	353	358	317	315	316	328	326	327
2	407	399	403	358	353	355	317	313	315	328	326	326
3	419	405	410	358	350	354	314	309	311	328	325	327
4	418	396	406	355	349	352	318	314	316	327	325	326
5	431	394	404	354	349	352	322	316	319	329	325	326
6	425	409	414	353	348	350	325	322	324	330	327	328
7	419	408	412	348	341	345	326	323	324	334	327	330
8	595	406	446	342	337	339	332	326	330	339	334	337
9	14,400	400	3,350	339	331	335	334	313	333	343	338	340
10	415	400	406	331	321	326	336	334	335	348	343	344
11	409	392	399	321	311	315	336	334	334	349	346	348
12	406	400	403	311	305	308	335	333	334	350	348	349
13	407	398	401	305	301	302	334	332	333	353	350	351
14	406	401	403	302	299	301	335	324	333	354	351	353
15	407	401	404	305	298	302	330	324	328	355	353	354
16	407	401	404	305	300	302	330	328	329	354	350	352
17	404	402	403	304	299	302	329	320	326	357	352	354
18	403	398	400	307	300	304	323	319	321	359	356	357
19	402	399	401	305	304	304	322	321	321	361	357	358
20	402	400	401	305	304	304	325	321	323	360	352	357
21	404	402	403	306	304	305	330	325	328	353	348	350
22	406	398	402	304	301	303	335	330	332	351	344	348
23	398	387	392	306	301	304	336	333	334	350	346	348
24	395	388	392	306	304	305	338	333	336	355	347	351
25	398	395	396	309	304	306	340	334	338	356	350	353
26	399	390	395	309	306	307	334	299	311	356	350	352
27	396	389	392	309	305	307	309	262	292	356	351	353
28	397	381	389	316	309	312	322	309	317	356	351	353
29	385	379	382	319	315	317	330	322	327	354	349	351
30	384	378	381	319	316	317	334	330	332	358	336	351
31	386	364	376	---	---	---	334	328	332	336	283	307
Month	14,400	364	496	365	298	320	340	262	325	361	283	344

## 08067252 Trinity River at Wallisville, TX—Continued

**UPSTREAM SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

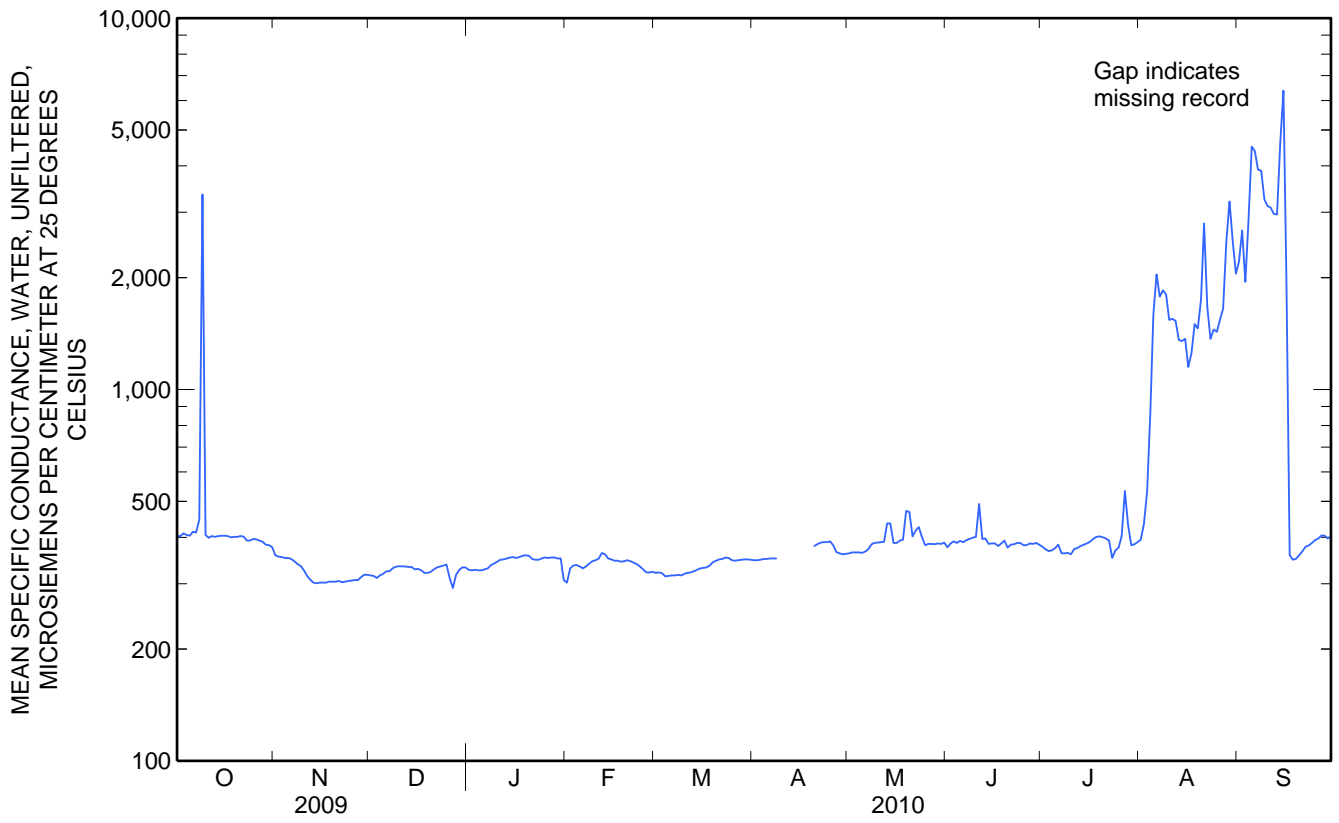
<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>
	<b>February</b>			<b>March</b>			<b>April</b>			<b>May</b>		
<b>1</b>	324	282	302	323	319	321	350	346	347	363	361	362
<b>2</b>	334	324	330	323	320	322	349	346	347	365	363	364
<b>3</b>	338	334	336	323	316	320	351	347	348	365	363	364
<b>4</b>	340	336	337	316	312	314	355	348	350	364	362	364
<b>5</b>	338	330	334	317	312	315	353	348	350	367	362	363
<b>6</b>	332	327	330	317	316	316	355	348	351	368	363	366
<b>7</b>	336	332	334	317	316	316	352	350	351	375	365	371
<b>8</b>	343	336	340	317	316	317	352	---	351	388	372	382
<b>9</b>	348	342	345	318	315	316	---	---	---	389	384	386
<b>10</b>	349	344	347	321	317	319	---	---	---	391	384	387
<b>11</b>	354	346	351	323	320	321	---	---	---	391	384	388
<b>12</b>	368	354	363	323	321	322	---	---	---	405	382	389
<b>13</b>	369	352	360	325	323	324	---	---	---	543	385	436
<b>14</b>	353	350	351	330	325	327	---	---	---	532	390	436
<b>15</b>	350	348	349	331	328	330	---	---	---	393	380	386
<b>16</b>	350	344	346	332	330	331	---	---	---	390	380	386
<b>17</b>	348	345	346	334	332	332	---	---	---	425	380	392
<b>18</b>	345	343	344	339	333	336	---	---	---	425	383	394
<b>19</b>	347	344	345	346	339	343	---	---	---	703	388	471
<b>20</b>	347	346	347	348	344	346	384	375	379	779	392	468
<b>21</b>	346	344	345	351	348	349	385	381	383	408	397	402
<b>22</b>	344	341	342	353	348	350	393	383	387	427	408	417
<b>23</b>	341	335	339	355	352	353	390	387	388	430	415	426
<b>24</b>	336	333	334	354	347	352	390	387	388	415	390	400
<b>25</b>	333	324	328	348	346	347	391	387	390	391	375	381
<b>26</b>	324	320	322	349	345	346	390	367	380	388	380	384
<b>27</b>	323	321	322	348	346	347	368	363	365	386	381	384
<b>28</b>	324	322	323	348	347	348	363	361	362	384	381	383
<b>29</b>	---	---	---	350	348	349	361	359	360	388	382	385
<b>30</b>	---	---	---	351	347	349	361	360	361	391	381	384
<b>31</b>	---	---	---	350	347	348	---	---	---	392	381	387
<b>Month</b>	369	282	339	355	312	333	---	---	---	779	361	393

## 08067252 Trinity River at Wallisville, TX—Continued

**UPSTREAM SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	385	368	376	380	361	377	409	389	394	3,780	1,640	2,210
2	389	380	385	376	368	371	500	395	434	5,860	1,730	2,680
3	393	386	390	368	365	367	779	399	532	2,890	1,820	1,950
4	393	380	386	371	367	369	1,440	402	863	5,830	1,830	2,880
5	394	387	391	381	371	374	2,260	422	1,590	9,100	1,840	4,510
6	394	385	388	387	370	382	2,160	1,950	2,040	7,340	2,480	4,390
7	398	390	393	370	350	362	2,160	1,410	1,780	5,040	3,270	3,910
8	400	389	396	366	353	362	2,390	1,300	1,850	5,500	3,200	3,880
9	402	395	399	366	352	363	2,290	1,320	1,800	3,560	3,030	3,250
10	411	396	401	367	352	360	2,010	1,150	1,540	3,560	2,950	3,120
11	681	395	492	376	366	372	2,030	998	1,550	3,350	2,960	3,090
12	402	389	396	377	372	374	2,040	1,100	1,530	3,130	2,860	2,970
13	402	392	397	384	375	379	1,820	1,020	1,360	3,200	2,820	2,960
14	392	379	384	390	377	382	1,510	1,240	1,350	11,100	2,840	4,610
15	389	382	385	390	380	385	1,670	1,230	1,370	12,600	3,010	6,380
16	388	381	385	394	385	389	1,230	1,060	1,150	3,120	397	1,930
17	382	375	379	401	393	396	1,550	1,100	1,250	397	339	358
18	392	379	385	404	397	401	2,300	1,110	1,500	350	343	348
19	394	---	392	408	397	402	2,070	1,260	1,460	353	348	350
20	---	364	375	405	394	400	2,390	1,410	1,750	364	352	358
21	385	377	382	399	395	397	4,860	1,540	2,800	370	364	367
22	385	379	383	398	377	392	2,050	1,310	1,670	385	370	377
23	388	383	386	377	341	352	1,670	1,220	1,370	384	377	380
24	390	382	386	372	356	369	1,810	1,280	1,450	389	382	386
25	389	377	381	468	370	375	1,620	1,320	1,430	396	389	393
26	385	377	381	519	369	403	1,940	1,320	1,540	400	395	397
27	389	380	385	1,090	381	533	2,200	1,490	1,650	408	399	404
28	387	380	384	885	381	432	5,280	1,520	2,500	408	401	404
29	390	381	386	385	378	381	5,190	1,590	3,210	404	392	397
30	385	380	382	387	380	383	4,140	1,900	2,510	405	397	402
31	---	---	---	394	383	388	4,090	1,630	2,050	---	---	---
<b>Month</b>	---	---	390	1,090	341	386	5,280	389	1,590	12,600	339	2,000

08067252 Trinity River at Wallisville, TX—Continued





## 08067252 Trinity River at Wallisville, TX—Continued

UPSTREAM TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
<b>1</b>	26.4	25.8	26.1	19.7	19.3	19.5	16.5	15.6	16.1	10.8	10.3	10.5
<b>2</b>	26.2	25.8	26.1	19.5	19.1	19.3	15.6	14.6	15.2	10.9	10.6	10.7
<b>3</b>	26.2	25.9	26.0	19.4	19.1	19.2	14.6	14.1	14.3	10.6	10.1	10.3
<b>4</b>	26.1	25.8	25.9	19.5	19.1	19.3	14.1	13.0	13.7	10.1	9.7	9.9
<b>5</b>	26.2	26.0	26.0	19.7	19.2	19.5	13.0	12.2	12.7	9.7	9.1	9.3
<b>6</b>	27.2	25.9	26.4	19.8	19.4	19.6	12.3	11.9	12.1	9.3	9.0	9.1
<b>7</b>	27.5	26.6	27.1	19.8	19.4	19.6	12.6	12.3	12.5	9.3	8.9	9.1
<b>8</b>	28.0	27.3	27.5	19.7	19.6	19.6	13.2	12.6	12.8	8.9	7.6	8.1
<b>9</b>	28.4	27.0	27.7	19.7	19.5	19.6	14.1	13.2	13.7	7.6	6.9	7.2
<b>10</b>	27.0	25.9	26.3	19.8	19.4	19.6	13.8	12.6	13.2	6.9	6.4	6.8
<b>11</b>	26.0	23.4	24.7	19.8	19.4	19.6	12.6	12.2	12.4	6.7	6.2	6.4
<b>12</b>	23.7	23.0	23.4	19.6	19.3	19.5	12.2	11.9	12.0	7.1	6.5	6.8
<b>13</b>	24.1	23.6	23.8	19.6	19.3	19.5	12.2	12.0	12.1	7.6	7.1	7.4
<b>14</b>	25.0	24.1	24.5	19.7	19.4	19.6	12.6	12.2	12.4	8.2	7.6	8.0
<b>15</b>	25.9	25.0	25.4	19.9	19.6	19.8	12.8	12.5	12.7	8.9	8.2	8.5
<b>16</b>	25.7	25.1	25.5	20.0	19.4	19.8	12.8	12.3	12.5	9.5	8.9	9.2
<b>17</b>	25.1	23.9	24.5	19.4	18.5	18.9	12.3	11.8	12.0	10.0	9.4	9.7
<b>18</b>	24.2	23.5	23.8	18.5	18.0	18.2	11.9	11.6	11.8	10.7	10.0	10.4
<b>19</b>	23.5	22.7	23.0	18.0	17.7	17.9	11.9	11.6	11.8	11.4	10.4	10.9
<b>20</b>	22.8	22.3	22.6	17.9	17.8	17.9	11.8	11.6	11.7	12.3	11.4	11.9
<b>21</b>	22.8	22.5	22.6	17.8	17.4	17.6	11.8	11.4	11.7	13.8	12.3	13.1
<b>22</b>	23.0	22.5	22.8	17.5	17.2	17.3	12.3	11.6	11.9	14.2	13.6	13.9
<b>23</b>	22.5	21.9	22.2	17.8	17.3	17.5	13.3	12.3	12.7	14.0	13.6	13.8
<b>24</b>	21.9	21.4	21.7	17.6	17.3	17.5	13.8	13.3	13.5	13.6	13.1	13.3
<b>25</b>	21.4	21.0	21.2	17.3	16.7	17.0	13.6	13.0	13.3	13.1	12.7	12.9
<b>26</b>	21.2	20.7	21.0	16.7	16.1	16.4	13.2	11.6	12.4	12.8	12.1	12.3
<b>27</b>	20.7	20.3	20.5	16.1	15.8	15.9	11.6	10.8	11.2	12.1	11.6	11.8
<b>28</b>	20.5	20.1	20.3	16.0	15.6	15.8	10.9	10.5	10.7	12.1	11.7	11.9
<b>29</b>	21.1	20.4	20.7	16.7	16.0	16.4	10.7	10.2	10.3	12.4	12.0	12.2
<b>30</b>	20.6	20.1	20.0	16.8	16.5	16.7	10.2	10.0	10.1	12.0	11.0	11.7
<b>31</b>	20.1	19.7	19.9	---	---	---	10.3	10.0	10.1	11.0	9.7	10.3
<b>Month</b>	28.4	19.7	23.8	20.0	15.6	18.5	16.5	10.0	12.4	14.2	6.2	10.2

## 08067252 Trinity River at Wallisville, TX—Continued

UPSTREAM TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

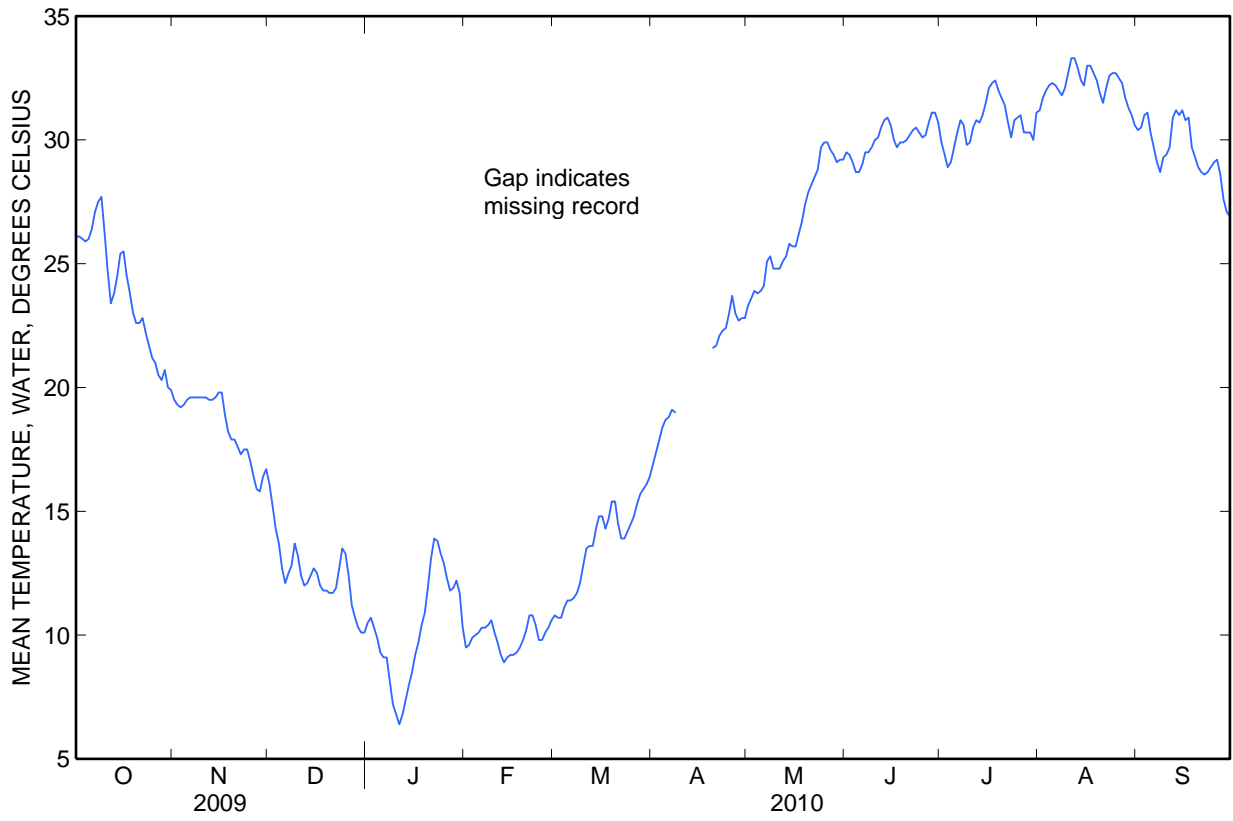
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	9.7	9.4	9.5	10.9	10.7	10.8	17.2	16.6	16.9	23.7	22.9	23.3
2	9.8	9.5	9.6	10.9	10.5	10.7	17.8	17.1	17.4	24.0	23.2	23.6
3	10.1	9.7	9.9	11.1	10.4	10.7	18.5	17.4	17.9	24.4	23.4	23.9
4	10.1	9.9	10	11.5	10.8	11.1	18.8	18.0	18.4	24.2	23.5	23.8
5	10.3	9.9	10.1	11.6	11.2	11.4	19.1	18.4	18.7	24.1	23.7	23.9
6	10.6	10.0	10.3	11.7	11.1	11.4	19.1	18.5	18.8	24.7	23.7	24.1
7	10.4	10.2	10.3	11.8	11.3	11.5	19.6	18.6	19.1	25.5	24.7	25.1
8	10.7	10.1	10.4	11.8	11.6	11.7	19.3	---	19.0	25.6	25.1	25.3
9	10.8	10.4	10.6	12.6	11.6	12.1	---	---	---	25.3	24.7	24.8
10	10.4	9.9	10.1	13.1	12.4	12.8	---	---	---	25.2	24.4	24.8
11	9.9	9.5	9.7	14.0	13.1	13.5	---	---	---	25.2	24.4	24.8
12	9.5	9.0	9.2	13.9	13.4	13.6	---	---	---	25.6	24.8	25.1
13	9.0	8.8	8.9	13.9	13.4	13.6	---	---	---	25.7	25.1	25.3
14	9.4	8.8	9.1	14.8	13.8	14.3	---	---	---	26.3	25.5	25.8
15	9.4	8.9	9.2	15.3	14.4	14.8	---	---	---	26.1	25.6	25.7
16	9.5	8.9	9.2	15.0	14.6	14.8	---	---	---	27.6	25.2	25.7
17	9.6	9.0	9.3	14.6	14.0	14.3	---	---	---	27.4	25.4	26.2
18	9.8	9.3	9.5	15.1	14.4	14.7	---	---	---	27.5	26.1	26.7
19	10.0	9.7	9.8	15.8	15.0	15.4	---	---	---	28.4	26.7	27.4
20	10.6	9.9	10.2	15.6	15.1	15.4	23.2	21.2	21.6	28.7	27.4	27.9
21	10.9	10.6	10.8	15.1	13.9	14.5	22.9	21.1	21.7	29.0	27.6	28.2
22	10.9	10.7	10.8	14.3	13.5	13.9	22.6	21.2	22.1	29.2	28.0	28.5
23	10.8	10.0	10.4	14.3	13.5	13.9	22.4	22.0	22.3	29.6	28.2	28.8
24	10.1	9.6	9.8	14.3	14.0	14.2	23.0	22.1	22.4	30.6	29.2	29.7
25	10.1	9.5	9.8	15.0	14.2	14.5	23.5	22.4	23.0	30.6	29.5	29.9
26	10.3	9.8	10.1	15.2	14.6	14.8	24.2	23.4	23.7	31.3	29.5	29.9
27	10.6	10.0	10.3	15.8	14.9	15.3	23.9	22.6	23.0	29.8	29.4	29.6
28	11.0	10.2	10.6	16.1	15.4	15.7	23.1	22.3	22.7	29.6	29.0	29.4
29	---	---	---	16.2	15.5	15.9	23.2	22.4	22.8	29.4	28.7	29.1
30	---	---	---	16.6	15.7	16.1	23.0	22.7	22.8	29.5	28.9	29.2
31	---	---	---	16.9	16.0	16.4	---	---	---	29.6	28.7	29.2
Month	11.0	8.8	9.9	16.9	10.4	13.7	---	---	---	31.3	22.9	26.6

## 08067252 Trinity River at Wallisville, TX—Continued

UPSTREAM TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	29.8	29.3	29.5	30.2	29.6	29.9	32.6	30.7	31.2	30.6	30.0	30.4
2	29.8	29.3	29.4	29.6	29.0	29.4	32.8	31.1	31.7	30.7	30.1	30.5
3	29.4	28.8	29.1	29.4	28.7	28.9	32.7	31.2	32.0	31.9	30.2	31.0
4	28.8	28.6	28.7	30.5	28.7	29.1	33.0	31.6	32.2	31.7	30.6	31.1
5	29.3	28.4	28.7	30.5	29.4	29.7	32.8	31.8	32.3	30.9	30.0	30.3
6	30.0	28.4	29.0	30.9	29.8	30.3	32.6	31.9	32.2	30.4	29.4	29.7
7	29.9	29.1	29.5	30.9	30.7	30.8	32.3	31.7	32.0	29.5	28.6	29.1
8	29.8	29.3	29.5	30.8	30.3	30.6	32.0	31.5	31.8	29.4	28.3	28.7
9	30.3	29.3	29.7	30.3	29.4	29.8	32.5	31.5	32.1	29.6	29.0	29.3
10	30.6	29.5	30.0	30.5	29.3	29.9	33.8	31.9	32.7	29.6	29.2	29.4
11	30.8	29.7	30.1	30.9	30.2	30.5	34.4	32.6	33.3	30.1	29.4	29.7
12	31.2	30.2	30.5	31.1	30.6	30.8	33.8	33.1	33.3	31.9	30.1	30.9
13	31.6	30.4	30.8	30.9	30.4	30.7	33.2	32.5	32.9	31.6	31.0	31.2
14	31.4	30.5	30.9	31.5	30.8	31.0	32.7	32.1	32.4	31.7	30.5	31.0
15	30.9	30.4	30.6	32.4	31.0	31.5	32.6	31.9	32.2	31.7	30.7	31.2
16	30.4	29.8	30.0	33.2	31.4	32.1	34.3	32.3	33.0	31.3	30.3	30.8
17	30.1	29.4	29.7	33.1	32.0	32.3	33.3	32.6	33.0	31.1	30.1	30.9
18	30.3	29.4	29.9	33.1	32.1	32.4	33.1	32.2	32.7	30.1	29.4	29.7
19	30.4	29.4	29.9	32.3	31.6	32.0	32.6	32.0	32.4	29.4	29.0	29.3
20	30.5	29.4	30.0	32.1	31.4	31.7	32.2	31.6	31.9	29.0	28.7	28.9
21	30.8	29.7	30.2	32.1	31.1	31.4	31.7	31.2	31.5	28.7	28.6	28.7
22	30.9	29.9	30.4	31.1	30.6	30.7	33.4	31.3	32.1	28.8	28.5	28.6
23	30.6	30.2	30.5	30.7	29.8	30.1	33.7	32.0	32.6	29.0	28.5	28.7
24	30.6	30.1	30.3	32.1	30.4	30.8	33.2	32.2	32.7	29.1	28.7	28.9
25	30.4	29.8	30.1	32.1	30.6	30.9	33.2	32.3	32.7	29.4	28.9	29.1
26	30.7	29.7	30.2	31.2	30.8	31.0	33.0	31.9	32.5	29.4	29.0	29.2
27	31.1	30.2	30.7	30.8	29.5	30.3	32.8	31.6	32.3	29.1	28.1	28.6
28	31.4	30.8	31.1	30.7	29.9	30.3	32.5	31.3	31.7	28.1	27.3	27.6
29	31.3	30.9	31.1	30.6	30.1	30.3	31.7	30.9	31.3	27.4	26.7	27.1
30	30.9	30.2	30.7	30.7	29.7	30.0	31.4	30.7	31.0	27.1	26.6	26.9
31	---	---	---	33.2	30.3	31.1	31.0	30.5	30.6	---	---	---
Month	31.6	28.4	30.0	33.2	28.7	30.7	34.4	30.5	32.2	31.9	26.6	29.6

08067252 Trinity River at Wallisville, TX—Continued



## 08067252 Trinity River at Wallisville, TX—Continued

**DOWNSTREAM SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>
	<b>October</b>			<b>November</b>			<b>December</b>			<b>January</b>		
<b>1</b>	441	425	434	357	351	353	349	332	337	332	330	331
<b>2</b>	434	424	428	355	351	353	345	328	333	331	329	330
<b>3</b>	434	428	432	351	347	350	339	320	325	331	330	330
<b>4</b>	431	418	425	349	346	348	337	318	325	331	329	330
<b>5</b>	427	416	419	350	348	350	337	317	324	335	330	331
<b>6</b>	432	421	425	351	349	350	339	323	329	336	331	335
<b>7</b>	432	419	424	349	343	346	340	325	328	337	332	334
<b>8</b>	7,000	426	1,460	343	339	341	340	324	332	343	337	341
<b>9</b>	15,700	517	3,060	340	335	338	349	332	335	346	343	344
<b>10</b>	517	416	448	335	328	331	339	336	337	351	346	348
<b>11</b>	422	403	410	328	322	325	338	336	337	354	350	352
<b>12</b>	425	406	413	322	317	320	337	336	336	355	352	354
<b>13</b>	417	395	403	317	314	315	338	335	335	357	354	356
<b>14</b>	413	397	403	317	314	315	338	327	335	359	356	357
<b>15</b>	416	397	404	316	315	315	333	327	331	361	356	359
<b>16</b>	415	398	404	317	315	316	333	330	331	358	354	356
<b>17</b>	403	402	403	317	316	316	331	322	328	361	356	358
<b>18</b>	403	397	400	317	316	317	324	320	322	361	358	360
<b>19</b>	403	400	401	318	315	317	324	322	323	363	359	360
<b>20</b>	404	402	403	319	317	317	327	323	325	361	357	359
<b>21</b>	405	402	403	320	318	319	331	327	329	363	350	352
<b>22</b>	405	398	401	318	317	318	335	331	333	352	347	349
<b>23</b>	398	387	391	342	318	325	337	335	335	352	349	349
<b>24</b>	393	386	389	341	319	326	339	336	337	354	349	351
<b>25</b>	396	393	394	333	320	325	341	336	340	356	352	354
<b>26</b>	396	386	391	335	321	327	336	300	313	356	352	354
<b>27</b>	391	386	388	334	322	326	310	262	292	358	353	355
<b>28</b>	392	379	384	346	326	332	326	310	319	358	353	355
<b>29</b>	381	376	379	350	333	337	332	326	330	356	352	354
<b>30</b>	378	375	377	347	334	339	338	332	336	357	339	352
<b>31</b>	379	357	370	---	---	---	338	332	336	339	285	310
<b>Month</b>	15,700	357	525	357	314	330	349	262	329	363	285	347

## 08067252 Trinity River at Wallisville, TX—Continued

**DOWNSTREAM SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

<b>Day</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Mean</b>
	<b>February</b>			<b>March</b>			<b>April</b>			<b>May</b>		
<b>1</b>	327	284	304	328	321	324	345	343	344	370	367	368
<b>2</b>	338	327	333	330	323	326	349	344	344	371	368	370
<b>3</b>	342	338	340	330	316	322	346	345	345	371	369	370
<b>4</b>	344	339	343	316	311	313	347	345	346	372	368	371
<b>5</b>	344	336	340	315	311	314	348	346	346	372	370	371
<b>6</b>	338	333	336	316	314	315	354	346	350	373	371	372
<b>7</b>	342	338	339	316	315	315	354	352	353	374	371	373
<b>8</b>	347	340	344	319	315	315	353	350	352	385	373	380
<b>9</b>	352	346	349	318	314	316	351	349	350	384	381	383
<b>10</b>	353	347	351	323	316	319	351	348	350	383	379	380
<b>11</b>	355	348	352	323	319	321	354	350	352	381	378	379
<b>12</b>	370	355	364	327	320	323	357	354	356	401	379	382
<b>13</b>	364	353	360	329	322	325	357	354	356	542	381	439
<b>14</b>	354	351	352	331	325	328	358	355	356	559	388	442
<b>15</b>	352	349	350	332	329	331	358	356	357	396	386	390
<b>16</b>	350	345	347	333	331	331	359	356	357	415	388	397
<b>17</b>	350	345	347	334	332	332	361	357	360	448	384	405
<b>18</b>	348	344	345	338	333	336	369	359	362	456	382	408
<b>19</b>	350	344	346	349	338	342	364	360	362	741	388	495
<b>20</b>	348	345	346	348	344	345	374	363	366	812	398	498
<b>21</b>	346	343	344	350	347	348	396	358	379	425	405	410
<b>22</b>	343	339	341	351	348	349	389	368	372	434	412	424
<b>23</b>	340	334	337	353	351	352	402	369	384	438	421	431
<b>24</b>	335	332	333	352	344	349	416	366	382	421	398	408
<b>25</b>	333	323	329	347	342	343	396	368	381	398	384	389
<b>26</b>	325	320	322	345	341	343	382	347	362	391	385	389
<b>27</b>	327	322	325	345	341	342	370	343	353	390	384	388
<b>28</b>	329	323	326	342	341	341	366	342	350	388	384	386
<b>29</b>	---	---	---	344	341	342	366	341	356	390	386	388
<b>30</b>	---	---	---	342	342	342	390	360	374	389	384	387
<b>31</b>	---	---	---	344	342	343	---	---	---	392	381	387
<b>Month</b>	370	284	341	353	311	332	416	341	359	812	367	399

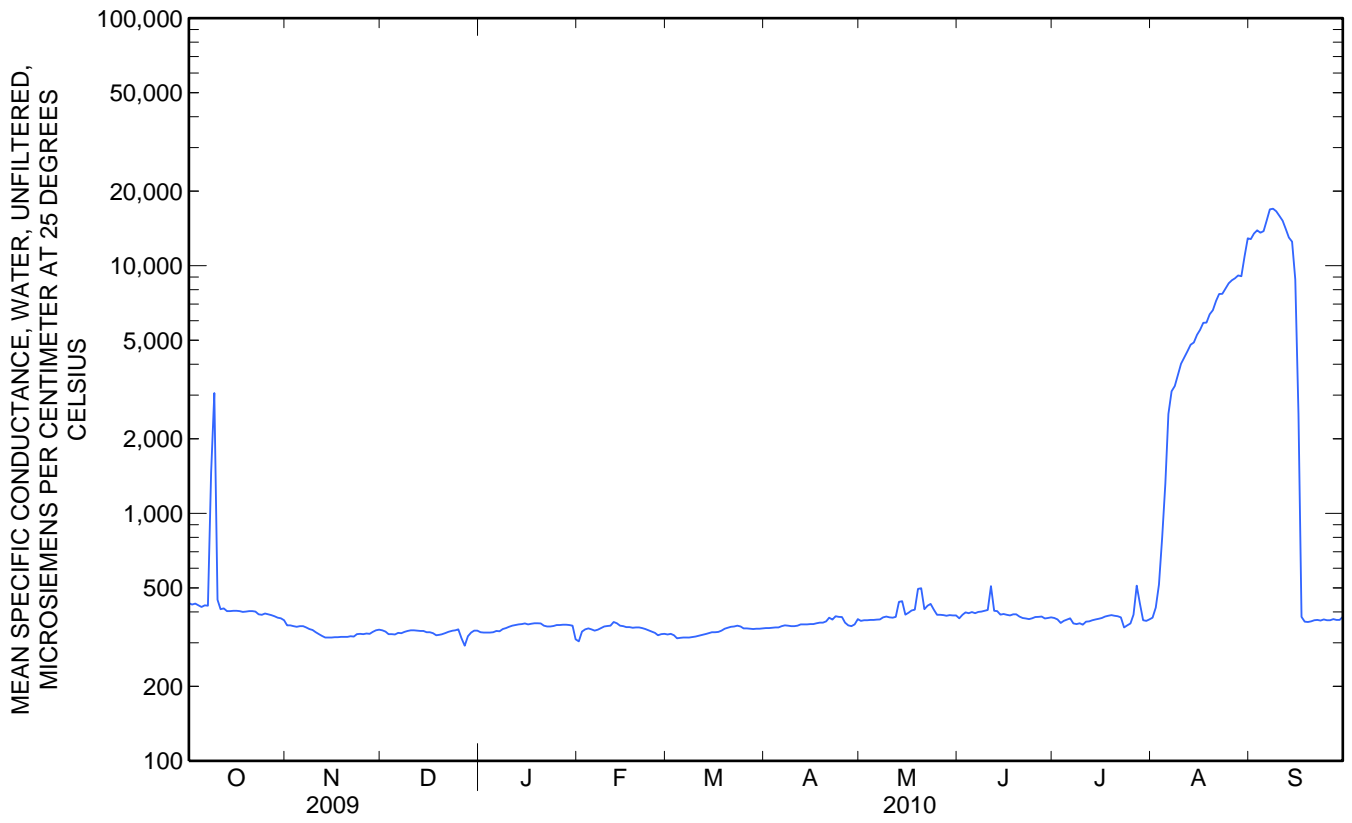
## 08067252 Trinity River at Wallisville, TX—Continued

**DOWNSTREAM SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	386	370	377	381	370	378	381	376	379	14,500	11,600	12,800
2	395	385	389	380	369	373	467	378	416	14,700	12,800	13,500
3	404	394	398	372	336	361	712	380	516	14,600	13,400	13,900
4	402	387	395	370	364	368	1,200	386	797	14,300	13,200	13,600
5	403	395	399	376	369	372	1,870	429	1,320	15,800	13,300	13,800
6	399	392	395	381	368	377	2,930	1,870	2,520	16,700	13,500	15,200
7	404	395	400	368	349	359	3,440	2,760	3,110	18,600	15,900	16,900
8	405	397	401	360	348	357	3,620	2,960	3,270	19,200	16,300	17,000
9	407	400	404	364	348	360	3,830	3,160	3,630	17,400	15,800	16,600
10	417	401	407	361	348	355	4,180	3,810	4,020	16,200	15,400	15,900
11	693	401	508	367	360	365	4,480	3,880	4,260	15,700	14,300	15,200
12	418	397	404	368	364	366	4,880	4,300	4,510	15,300	12,800	14,100
13	408	398	403	374	365	370	5,020	4,490	4,800	14,700	11,000	13,000
14	398	387	390	376	368	373	5,470	4,540	4,900	15,800	7,630	12,500
15	394	389	392	378	373	375	5,890	4,720	5,260	14,400	4,230	8,800
16	392	384	389	382	375	378	6,020	5,060	5,510	4,350	446	2,520
17	393	384	387	386	381	383	6,160	5,400	5,880	446	363	382
18	394	386	391	389	381	386	6,430	5,570	5,890	397	362	365
19	398	385	391	390	383	388	7,020	5,650	6,360	368	363	364
20	389	380	383	391	380	386	7,530	5,850	6,620	369	364	366
21	383	375	378	386	382	384	8,100	6,630	7,210	372	367	370
22	378	372	376	384	372	380	8,320	7,050	7,690	378	365	371
23	377	371	374	372	334	346	8,160	7,110	7,700	374	365	369
24	379	371	377	358	342	353	8,450	7,320	8,090	376	369	373
25	385	379	381	362	355	359	8,820	7,700	8,500	372	368	370
26	388	376	382	502	355	390	9,080	8,290	8,740	373	367	370
27	387	378	383	1,060	363	510	9,390	8,600	8,900	375	372	374
28	382	372	376	955	364	432	9,390	8,990	9,140	383	367	371
29	385	372	378	372	366	370	9,290	8,960	9,070	377	366	371
30	385	378	380	373	359	368	14,200	9,040	10,900	390	376	382
31	---	---	---	377	365	373	14,000	11,500	12,900	---	---	---
<b>Month</b>	693	370	393	1,060	334	377	14,200	376	5,570	19,200	362	7,350

	Max	Min	Mean
<b>Year</b>	19,200	262	1,390

08067252 Trinity River at Wallisville, TX—Continued





## 08067252 Trinity River at Wallisville, TX—Continued

**DOWNSTREAM TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
<b>1</b>	26.4	25.8	26.1	19.7	19.3	19.5	16.5	15.6	16.1	10.8	10.3	10.5
<b>2</b>	26.2	25.8	26.1	19.5	19.2	19.3	15.6	14.6	15.2	10.9	10.6	10.7
<b>3</b>	26.2	25.9	26.0	19.4	19.1	19.3	14.6	14.1	14.3	10.6	10.1	10.3
<b>4</b>	26.0	25.8	25.9	19.5	19.1	19.3	14.1	13.0	13.7	10.1	9.7	9.9
<b>5</b>	26.2	26.0	26.1	19.7	19.2	19.5	13.0	12.2	12.7	9.7	9.1	9.3
<b>6</b>	27.0	25.9	26.4	19.8	19.4	19.6	12.3	11.9	12.1	9.3	9.0	9.1
<b>7</b>	27.4	26.7	27.1	19.8	19.4	19.6	12.6	12.3	12.5	9.3	8.9	9.1
<b>8</b>	28.6	27.3	27.7	19.7	19.6	19.6	13.2	12.6	12.8	8.9	7.6	8.1
<b>9</b>	28.4	27.0	27.8	19.7	19.5	19.6	14.1	13.2	13.7	7.6	6.9	7.2
<b>10</b>	27.0	25.9	26.3	19.8	19.4	19.6	13.8	12.6	13.2	6.9	6.5	6.8
<b>11</b>	26.0	23.4	24.7	19.8	19.4	19.6	12.6	12.2	12.4	6.7	6.2	6.5
<b>12</b>	23.7	23.0	23.4	19.7	19.3	19.5	12.2	11.9	12.0	7.1	6.5	6.8
<b>13</b>	24.1	23.6	23.8	19.6	19.3	19.5	12.2	12.0	12.1	7.6	7.1	7.4
<b>14</b>	25.0	24.1	24.5	19.8	19.4	19.6	12.6	12.2	12.4	8.2	7.6	8.0
<b>15</b>	25.9	25.0	25.4	19.9	19.6	19.8	12.8	12.6	12.7	8.9	8.2	8.5
<b>16</b>	25.7	25.1	25.5	20.0	19.4	19.8	12.8	12.3	12.5	9.5	8.9	9.2
<b>17</b>	25.1	23.9	24.5	19.4	18.5	18.9	12.3	11.8	12.0	10.0	9.4	9.7
<b>18</b>	24.2	23.5	23.8	18.5	18.0	18.2	11.9	11.6	11.8	10.6	9.9	10.4
<b>19</b>	23.5	22.7	23.0	18.0	17.7	17.9	11.9	11.6	11.8	11.4	10.4	10.9
<b>20</b>	22.8	22.3	22.6	17.9	17.8	17.9	11.9	11.6	11.7	12.3	11.4	11.9
<b>21</b>	22.8	22.5	22.7	17.8	17.4	17.6	11.8	11.5	11.7	13.8	12.3	13.1
<b>22</b>	23.0	22.5	22.8	17.5	17.2	17.3	12.3	11.6	11.9	14.2	13.6	13.9
<b>23</b>	22.5	21.9	22.2	17.8	17.3	17.5	13.3	12.3	12.7	14.0	13.6	13.8
<b>24</b>	21.9	21.4	21.7	17.6	17.3	17.5	13.8	13.3	13.5	13.7	13.1	13.3
<b>25</b>	21.4	21.0	21.2	17.3	16.7	17.0	13.6	13.0	13.3	13.2	12.7	12.9
<b>26</b>	21.2	20.7	21.0	16.7	16.1	16.4	13.2	11.6	12.4	12.8	12.1	12.3
<b>27</b>	20.7	20.3	20.5	16.1	15.8	15.9	11.6	10.8	11.2	12.1	11.6	11.8
<b>28</b>	20.5	20.1	20.3	16.0	15.6	15.8	10.9	10.5	10.7	12.1	11.7	11.9
<b>29</b>	21.1	20.4	20.7	16.7	16.0	16.4	10.7	10.2	10.4	12.4	12.0	12.2
<b>30</b>	20.6	20.2	20.4	16.8	16.5	16.7	10.2	10.0	10.1	12.0	11.1	11.7
<b>31</b>	20.2	19.7	19.9	---	---	---	10.3	10.0	10.1	11.1	9.7	10.4
<b>Month</b>	28.6	19.7	23.9	20.0	15.6	18.5	16.5	10.0	12.4	14.2	6.2	10.2

## 08067252 Trinity River at Wallisville, TX—Continued

**DOWNSTREAM TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
<b>1</b>	9.7	9.4	9.5	10.9	10.7	10.8	17.2	16.6	16.9	23.7	22.9	23.3
<b>2</b>	9.8	9.5	9.6	10.9	10.5	10.7	17.8	17.1	17.4	24.0	23.2	23.6
<b>3</b>	10.1	9.7	9.9	11.1	10.4	10.7	18.5	17.4	17.9	24.4	23.4	23.9
<b>4</b>	10.1	9.9	10	11.5	10.8	11.1	18.8	18.0	18.4	24.2	23.5	23.8
<b>5</b>	10.3	9.9	10.1	11.6	11.2	11.4	19.1	18.4	18.7	24.1	23.7	23.9
<b>6</b>	10.6	10.0	10.3	11.7	11.1	11.4	19.1	18.5	18.8	24.7	23.7	24.1
<b>7</b>	10.4	10.2	10.3	11.8	11.3	11.6	19.6	18.6	19.1	25.5	24.7	25.1
<b>8</b>	10.7	10.1	10.4	11.8	11.6	11.7	19.3	18.6	19.0	25.6	25.1	25.3
<b>9</b>	10.8	10.4	10.6	12.6	11.7	12.1	18.6	18.1	18.3	25.3	24.7	24.9
<b>10</b>	10.4	9.9	10.1	13.1	12.4	12.8	18.5	18.0	18.2	25.2	24.5	24.8
<b>11</b>	9.9	9.5	9.8	14.0	13.1	13.5	19.1	18.0	18.5	25.1	24.4	24.8
<b>12</b>	9.5	9.0	9.2	13.9	13.4	13.6	19.7	19.0	19.3	25.6	24.8	25.1
<b>13</b>	9.0	8.8	8.9	13.9	13.4	13.6	20.5	19.5	20.0	25.7	25.1	25.3
<b>14</b>	9.4	8.8	9.1	14.8	13.8	14.3	20.9	20.1	20.5	26.5	25.5	25.9
<b>15</b>	9.4	8.9	9.2	15.3	14.4	14.8	21.3	20.8	21.0	26.1	25.6	25.8
<b>16</b>	9.5	8.9	9.2	15.0	14.6	14.8	21.7	20.9	21.3	26.3	25.2	25.6
<b>17</b>	9.6	9.0	9.3	14.6	14.0	14.3	21.9	21.4	21.6	27.6	25.5	26.4
<b>18</b>	9.8	9.3	9.5	15.1	14.4	14.7	22.0	21.7	21.9	27.8	26.1	26.8
<b>19</b>	10.0	9.7	9.8	15.8	15.0	15.4	21.8	21.4	21.7	28.5	26.7	27.5
<b>20</b>	10.6	9.9	10.2	15.6	15.0	15.4	22.1	21.2	21.4	28.8	27.4	28.0
<b>21</b>	11.0	10.6	10.8	15.0	13.9	14.5	23.4	21.2	21.9	29.4	27.6	28.3
<b>22</b>	10.9	10.7	10.8	14.3	13.5	13.9	22.8	21.2	22.1	29.4	28.1	28.6
<b>23</b>	10.8	10.0	10.4	14.3	13.5	13.9	22.7	22.1	22.3	29.6	28.2	28.9
<b>24</b>	10.1	9.6	9.8	14.3	14.0	14.2	22.9	22.1	22.4	30.5	29.3	29.7
<b>25</b>	10.1	9.5	9.8	15.0	14.2	14.5	23.5	22.4	23.0	30.4	29.5	29.9
<b>26</b>	10.3	9.8	10.1	15.2	14.6	14.9	24.2	23.4	23.7	30.9	29.5	29.9
<b>27</b>	10.6	10.0	10.3	15.8	14.9	15.3	24.0	22.6	23.0	29.9	29.4	29.6
<b>28</b>	11.0	10.2	10.6	16.1	15.4	15.7	23.1	22.4	22.7	29.6	29.0	29.4
<b>29</b>	---	---	---	16.2	15.5	15.9	23.2	22.4	22.8	29.4	28.7	29.1
<b>30</b>	---	---	---	16.6	15.7	16.1	23.0	22.7	22.8	29.4	28.9	29.1
<b>31</b>	---	---	---	16.9	16.0	16.4	---	---	---	29.6	28.7	29.2
<b>Month</b>	11.0	8.8	9.9	16.9	10.4	13.7	24.2	16.6	20.6	30.9	22.9	26.6

## 08067252 Trinity River at Wallisville, TX—Continued

**DOWNSTREAM TEMPERATURE, WATER, DEGREES CELSIUS**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	29.7	29.3	29.5	30.2	29.6	29.9	31.5	30.7	31.0	31.4	29.6	30.1
2	29.7	29.3	29.5	29.6	29.1	29.4	32.0	31.2	31.7	30.7	29.2	29.9
3	29.4	28.9	29.1	29.6	28.7	29.0	32.2	31.2	32.0	30.0	29.4	29.8
4	28.9	28.6	28.7	30.3	28.7	29.1	32.8	31.6	32.2	30.1	29.5	29.8
5	29.3	28.5	28.8	30.5	29.4	29.7	32.9	31.8	32.4	30.7	27.8	29.7
6	30.1	28.4	29.0	30.9	29.8	30.3	33.5	31.0	31.8	28.7	27.5	28.1
7	29.9	29.1	29.5	30.9	30.8	30.8	33.2	30.6	31.5	27.9	27.6	27.8
8	29.8	29.4	29.6	30.8	30.3	30.6	33.1	30.6	31.5	29.2	27.1	28.1
9	30.3	29.3	29.8	30.3	29.5	29.8	32.3	30.4	31.1	30.2	28.2	29.1
10	30.6	29.5	30.1	30.5	29.3	29.9	33.8	30.7	31.4	31.1	29.8	30.3
11	30.8	29.7	30.2	30.9	30.2	30.6	33.2	31.1	31.8	32.1	30.4	31.0
12	31.2	30.3	30.6	31.1	30.6	30.9	32.7	31.5	32.2	33.0	30.9	31.5
13	31.5	30.4	30.8	30.9	30.4	30.7	34.1	31.0	32.2	32.4	30.8	31.6
14	31.1	30.5	30.9	31.7	30.8	31.0	33.9	31.7	32.5	33.1	30.3	31.4
15	30.9	30.4	30.7	32.4	31.0	31.6	33.8	31.7	32.4	31.8	30.7	31.2
16	30.4	29.8	30.0	33.3	31.4	32.0	33.0	32.0	32.5	31.2	30.5	30.8
17	30.1	29.4	29.8	33.2	32.0	32.3	32.9	31.7	32.0	31.2	30.2	30.9
18	30.3	29.4	29.9	32.6	32.1	32.4	34.0	31.5	32.3	30.2	29.4	29.7
19	30.4	29.4	29.9	32.3	31.6	32.0	33.0	30.8	31.7	29.4	29.1	29.3
20	30.6	29.5	30.0	31.9	31.4	31.7	31.8	30.7	31.2	29.1	28.7	28.9
21	30.8	29.7	30.2	31.8	31.1	31.5	32.0	30.3	31.0	28.8	28.6	28.7
22	30.9	30.0	30.4	31.4	30.6	30.9	33.5	30.2	31.1	28.8	28.5	28.6
23	30.7	30.3	30.5	30.8	29.8	30.2	33.3	30.6	31.3	29.1	28.5	28.7
24	30.6	30.1	30.3	31.6	30.4	30.7	32.4	30.9	31.4	29.1	28.8	28.9
25	30.4	29.9	30.1	31.4	30.6	30.9	31.4	30.5	30.9	29.4	28.9	29.1
26	30.8	29.8	30.2	31.2	30.8	31.0	31.3	30.6	30.9	29.4	29.0	29.2
27	31.1	30.3	30.7	30.9	29.4	30.4	30.6	30.0	30.4	29.1	28.1	28.6
28	31.4	30.8	31.1	30.8	29.8	30.4	31.8	29.6	30.0	28.1	27.3	27.7
29	31.4	30.9	31.1	31.0	30.1	30.3	32.7	30.1	30.9	27.4	26.8	27.1
30	30.9	30.2	30.7	31.8	29.7	30.2	30.8	29.9	30.4	27.2	26.6	26.9
31	---	---	---	31.7	30.3	30.7	30.5	30.0	30.3	---	---	---
<b>Month</b>	31.5	28.4	30.1	33.3	28.7	30.7	34.1	29.6	31.5	33.1	26.6	29.4

	Max	Min	Mean
<b>Year</b>	34.1	6.2	21.5

08067252 Trinity River at Wallisville, TX—Continued

