08155500 Barton Springs at Austin, TX

Middle Colorado-Llano Basin
Austin-Travis Lakes Subbasin

LOCATION.--Lat 30°15′48″, long 97°46′16″ referenced to North American Datum of 1927, Travis County, TX, Hydrologic Unit 12090205, at ground-water well (YD 58-42-903), on right bank 0.4 mi upstream from Barton Springs Road bridge over Barton Creek, 0.7 mi upstream from mouth, and 1.8 mi southwest of the State Capitol Building in Austin.

DRAINAGE AREA.--Not applicable.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Nov. 1894 to Apr. 1917 and Oct. 1918 to Feb. 1978 (discharge measurements only), May 1917 to Sept. 1918 (published as "Barton Creek"), Mar. 1978 to Sept. 1994 (daily mean discharge), Oct. 1994 to Sept. 1999 (discharge at 1200 hours), Oct. 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage, at ground-water well (YD-58-42-903), is 462.34 ft above NGVD of 1929. May 1917 to Sept. 1918, nonrecording gage at site 1,000 ft downstream at different datum. Satellite telemeter at station.

REMARKS.--Records poor. Only springflow from the Edwards and associated limestones in the Balcones Fault Zone is published for this station. Operation of Barton Springs pool significantly affects level recorded in well. Pool is periodically drained for cleaning and allowed to fill after cleaning operations. Under normal conditions gage height is in direct relation with discharge. Determination of flow from spring is considered best when pool/well level has stabilized at 1200 hrs. From Oct. 1, 1994, to Sept. 30, 1999, daily flow was determined using the recorded level at 1200 hrs. Beginning Oct. 1, 1999, flow is determined from daily mean. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 08155500, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/08155500.2011.pdf

08155500 Barton Springs at Austin, TX—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	106	81	75	65	58	47	43	36	31	25	20	21
2	105	81	74	64	58	46	42	36	30	24	20	21
3	104	81	74	64	57	47	42	35	30	24	19	21
4	103	81	74	63	57	46	42	34	29	24	19	21
5	102	81	74	63	56	46	42	34	29	24	19	20
6	101	80	73	63	55	46	42	34	28	24	20	19
7	100	80	73	62	55	46	42	33	29	25	19	19
8	99	80	73	62	54	45	43	33	29	24	19	18
9	98	80	e73	64	54	45	41	34	28	22	21	18
10	97	79	74	65	54	45	42	33	27	22	20	18
11	96	79	73	64	54	44	41	33	28	23	20	18
12	95	79	73	63	53	44	40	35	27	23	20	18
13	94	79	72	62	53	44	39	35	27	21	20	18
14	92	79	72	62	52	44	40	34	27	21	20	18
15	91	78	71	62	51	44	39	33	26	21	20	18
16	90	78	71	64	51	43	39	33	27	21	20	18
17	89	78	70	64	51	43	39	33	26	20	19	18
18	88	78	70	64	50	44	38	32	26	21	20	18
19	87	77	70	63	50	43	38	32	25	21	19	18
20	86	77	69	63	49	42	38	32	25	19	19	18
21	85	77	69	63	49	43	38	32	25	20	19	18
22	84	77	68	62	48	43	38	33	30	18	20	18
23	84	76	68	61	49	42	37	32	29	19	19	18
24	84	76	68	61	48	42	37	31	27	20	20	18
25	83	76	68	60	47	43	37	31	27	19	19	18
26	83	76	67	60	47	42	36	32	26	19	20	18
27	83	75	67	59	46	42	36	30	26	20	19	18
28	83	75	66	58	47	41	37	30	26	19	20	18
29	83	75	66	58	---	41	37	31	25	19	21	18
30	82	75	66	58	---	42	35	30	25	20	21	18
31	82	---	65	57	---	42	---	31	---	20	22	---
Total	2,839	2,344	2,186	1,923	1,453	1,357	1,180	1,017	820	662	613	556
Mean	91.6	78.1	70.5	62.0	51.9	43.8	39.3	32.8	27.3	21.4	19.8	18.5
Max	106	81	75	65	58	47	43	36	31	25	22	21
Min	82	75	65	57	46	41	35	30	25	18	19	18
Ac-ft	5,630	4,650	4,340	3,810	2,880	2,690	2,340	2,020	1,630	1,310	1,220	1,100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2011[h], BY WATER YEAR (WY)

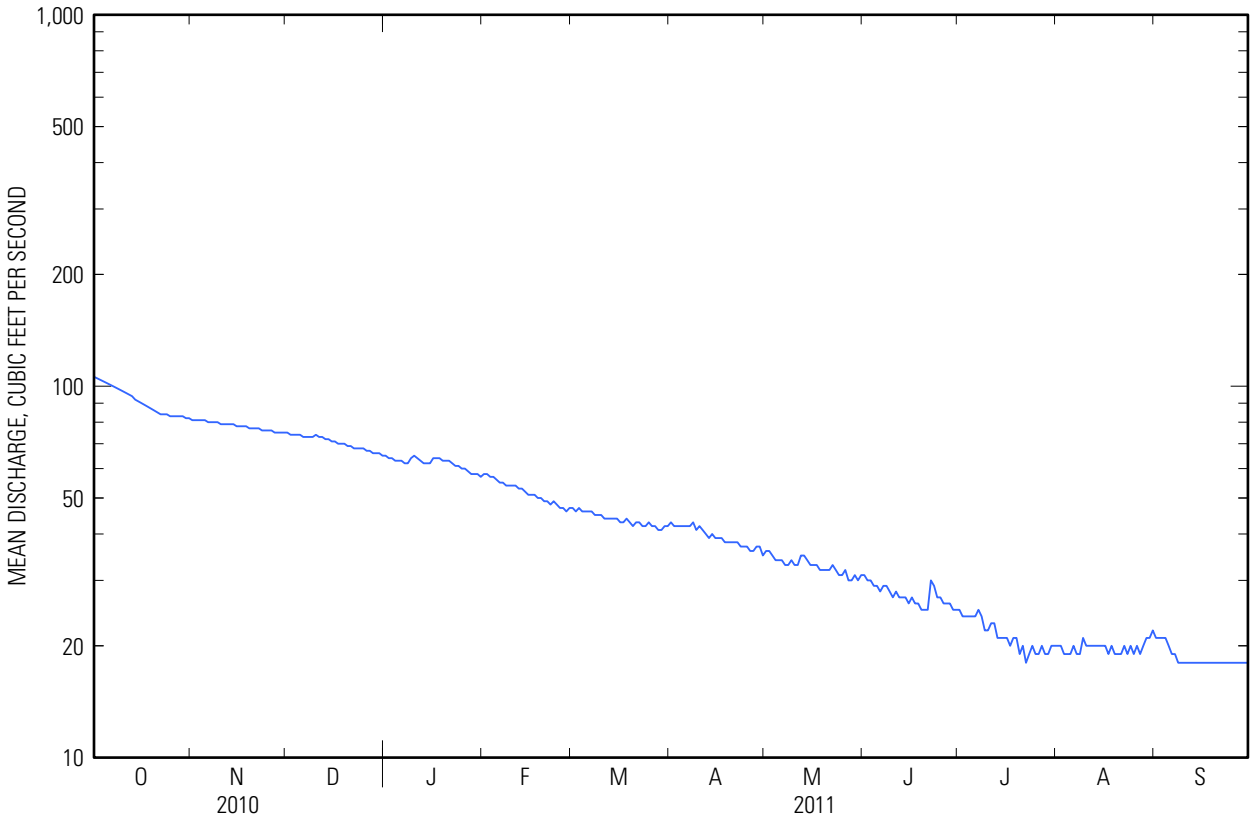
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	55.5	57.2	59.2	61.4	63.4	65.7	67.1	68.6	70.0	66.9	61.2	56.7
Max	116	104	106	112	120	115	110	108	106	112	126	123
(WY)	(1993)	(1999)	(2003)	(2002)	(1992)	(2003)	(2005)	(1993)	(1987)	(1997)	(1992)	(1992)
Min	18.5	19.7	18.2	15.8	16.8	21.0	19.4	18.6	17.6	16.2	14.9	18.5
(WY)	(1990)	(2009)	(1990)	(1990)	(1990)	(2009)	(2009)	(2009)	(2009)	(2009)	(2009)	(2011)

08155500 Barton Springs at Austin, TX—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1978 - 2011[h]	
Annual total	32,904		16,950			
Annual mean	90.1		46.4		63.4	
Highest annual mean					99.3	1993
Lowest annual mean					19.6	2009
Highest daily mean	119	Sep 9	106	Oct 1	130	Dec 24, 1991
Lowest daily mean	65	Dec 31	18	Jul 22	13	Jul 21, 2009
Annual seven-day minimum	66	Dec 25	18	Sep 8	13	Aug 29, 2009
Annual runoff (ac-ft)	65,270		33,620		45,930	
10 percent exceeds	101		80		102	
50 percent exceeds	92		42		64	
90 percent exceeds	73		19		25	

[h] See Period of Record paragraph.



08155500 Barton Springs at Austin, TX—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
CHEMICAL DATA: Nov. 1969, Dec. 1978 to current year.
BIOCHEMICAL DATA: May 1978 to current year.
BIOLOGICAL DATA: Nov. 1969, July 1978 to July 2003, Feb. 2007 to Mar. 2010.
RADIOCHEMICAL DATA: Jan. 1980 to May 1981.
STABLE ISOTOPES DATA: Nov. 2008 to Mar. 2010.
PESTICIDE DATA: July 1978 to July 1982, Oct. 1984, June 1987 to Nov. 1993, May 2000 to current year.
ORGANICS, OTHER DATA: Feb. 2009 to Feb. 2010.
SEDIMENT DATA: May 1999 to Apr. 2010.
SEDIMENT CHEMISTRY DATA: May 2000 to Oct. 2004.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 2003 to current year.
pH: Oct. 2005 to current year.
WATER TEMPERATURE: June 2003 to current year.
DISSOLVED OXYGEN: July 2003 to current year.
TURBIDITY: June 2003 to current year.

INSTRUMENTATION.--Five parameter water-quality monitor.

REMARKS.--The temperature record is rated excellent for the entire period.

The specific conductance record is rated excellent for the entire period.

The pH record is rated excellent for the entire period except for the period from Mar. 3, 2011 to June 2, 2011 which is rated good. Some poor data collected during the period with a malfunctioning water quality monitor was deleted.

The dissolved oxygen record is rated excellent for the entire period.

The turbidity record is rated poor for values less than 5 FNU due to sensor limitations. Turbidity record for values greater than 5 FNU is considered good. Interruptions or periods of missing record may be due to instrument failure or data corrections exceeding allowable criteria, which were deleted. Spikes in turbidity are due to storm events.

COOPERATION.--City of Austin, Austin, TX.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 734 microsiemens/cm, July 21, 22, Aug. 12, 2009; minimum, 469 microsiemens/cm, Sep. 9, 2010.
pH: Maximum, 7.6 standard units, Oct. 1, 2008, Sep. 2, 2009; minimum, 6.5 standard units, June 18, 2009.
WATER TEMPERATURE: Maximum, 22.3C, Sep. 22, 23, 25, 26; minimum, 17.9C, Jan. 17, 2010.
DISSOLVED OXYGEN: Maximum, 8.3 mg/L, Jan. 17, 2010; minimum, 4.0 mg/L, July 25, 26, 2009.
TURBIDITY: Maximum, 83 FNU, June 12, 2009; minimum, 0.0 FNU, on many days.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 720 microsiemens/cm, Aug. 28; minimum, 609 microsiemens/cm, Jan. 9.
pH: Maximum, 7.2 standard units, on many days; minimum, 6.7 standard units, on several days.
WATER TEMPERATURE: Maximum, 22.2°C, Oct. 1; minimum, 20.6°C, on several days.
DISSOLVED OXYGEN: Maximum, 6.6 mg/L, on many days; minimum, 4.4 mg/L, Aug. 28.
TURBIDITY: Maximum, 4.1 FNU, Jan. 9; minimum, 0.3 FNU, June 18, 19.

08155500 Barton Springs at Austin, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 29

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Temperature, air, °C (00020)	Color, water, filtered, platinum cobalt units (00080)	Discharge, ft3/s (00060)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)
12-21-2010	**0950**	Surface water	Regular	750	23.1	< 1	69	6.4	73
04-06-2011	**1100**	Surface water	Regular	751	--	< 1	42	5.7	65
08-24-2011	**0940**	Surface water	Regular	748	--	< 1	17	8.3	96

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 29

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	pH, water, unfiltered, field, standard units (00400)	pH, water, unfiltered, laboratory, standard units (00403)	Specific conductance, water, unfiltered, laboratory, µS/cm at 25 °C (90095)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Gage height, ft (00065)	Type of replicate (99105)
12-21-2010	**0950**	7.0	7.3	645	648	21.0	< 2.0	22.73	--
04-06-2011	**1100**	7.1	7.4	660	672	21.1	< 2.0	21.64	Other
08-24-2011	**0940**	6.7	7.4	705	717	21.6	< 2.0	21.69	Other

08155500 Barton Springs at Austin, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 29

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Dissolved solids dried at 180 °C, water, filtered, mg/L (70300)	Dissolved solids, water, filtered, sum of constit-uents, mg/L (70301)	Dissolved solids, water, filtered, tons per acre-foot (70303)	Hardness, water, mg/L as $CaCO_3$ (00900)	Non-carbonate hardness, water, filtered, field, mg/L as $CaCO_3$ (00904)	Suspended solids, water, unfiltered, mg/L (00530)	Calcium, water, filtered, mg/L (00915)	Magne-sium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)
12-21-2010	**0950**	366	367	.50	316	45	< 15	89.3	22.3	1.25
04-06-2011	**1100**	391	378	.53	317	49	< 15	87.1	23.6	1.37
08-24-2011	**0940**	426	395	.58	306	48	< 15	78.5	25.8	1.61

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 4 of 29

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Sodium adsorption ratio, water, number (00931)	Sodium fraction of cations, water, percent in equiva-lents of major cations (00932)	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as $CaCO_3$ (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Bromide, water, filtered, mg/L (71870)	Carbon dioxide, water, unfiltered, mg/L (00405)	Carbonate, water, filtered, inflection-point incremental titration method, field, mg/L (00452)
12-21-2010	**0950**	.36	9	14.9	271	330	.20	50	< 1.0
04-06-2011	**1100**	.45	11	18.5	269	327	.23	46	< 1.0
08-24-2011	**0940**	.68	16	27.0	258	314	.36	97	< 1.0

08155500 Barton Springs at Austin, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 5 of 29

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO_2 (00955)	Sulfate, water, filtered, mg/L (00945)	Ammonia plus organic nitrogen, water, filtered, mg/L as N (00623)	Ammonia, water, unfiltered, milligrams per liter as NH4 (71845)	Ammonia, water, unfiltered, mg/L as N (00610)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Orthophos-phate, water, filtered, mg/L (00660)
12-21-2010	0950	25.6	.24	12.0	30.8	< .05	< .026	< .02	1.51	.043
04-06-2011	1100	31.2	.28	11.6	34.5	.06	< .026	< .02	1.51	.039
08-24-2011	0940	44.3	.35	11.4	40.9	< .05	< .026	< .02	1.51	.048

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 6 of 29

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Orthophos-phate, water, filtered, mg/L as P (00671)	Phos-phorus, water, filtered, mg/L as P (00666)	Total nitrogen, water, filtered, mg/L (00602)	Aluminum, water, filtered, µg/L (01106)	Barium, water, filtered, µg/L (01005)	Cadmium, water, filtered, µg/L (01025)	Chromium, water, filtered, µg/L (01030)	Copper, water, filtered, µg/L (01040)	Iron, water, filtered, µg/L (01046)
12-21-2010	0950	.014	.008	< 1.6	2.9	61	< .02	.10	< .50	< 3
04-06-2011	1100	.013	.009	1.6	< 1.7	66	< .02	.09	< .50	< 3
08-24-2011	0940	.016	.014	< 1.6	< 1.7	63	< .02	.07	< .50	5

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 7 of 29

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Lead, water, filtered, µg/L (01049)	Manga-nese, water, filtered, µg/L (01056)	Nickel, water, filtered, µg/L (01065)	Silver, water, filtered, µg/L (01075)	Strontium, water, filtered, µg/L (01080)	Zinc, water, filtered, µg/L (01090)	Arsenic, water, filtered, µg/L (01000)	Boron, water, filtered, µg/L (01020)	1,2,3-Tri-chloro-propane, water, unfiltered, recover-able, µg/L (77443)
12-21-2010	0950	< .01	< .1	.32	< .01	960	< 1.4	.36	60	< .12
04-06-2011	1100	< .01	.7	.37	< .01	1,600	< 1.4	.39	68	< .12
08-24-2011	0940	< .01	.2	.23	.01	3,000	< 1.4	.46	79	< .12

08155500 Barton Springs at Austin, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 8 of 29

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	1,2-Dibromo-3-chloropropane, water, unfiltered, recoverable, µg/L (82625)	1,2-Dibromoethane, water, unfiltered, recoverable, µg/L (77651)	1,2-Dichloroethane, water, unfiltered, recoverable, µg/L (32103)	1,2-Dichloropropane, water, unfiltered, recoverable, µg/L (34541)	1,3-Dichloropropane, water, unfiltered, recoverable, µg/L (77173)	1,4-Dichlorobenzene, water, unfiltered, recoverable, µg/L (34571)	2,4-D methyl ester, water, filtered, recoverable, µg/L (50470)	2,4-D, water, filtered, recoverable, µg/L (39732)	2,4-DB, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38746)
12-21-2010	0950	< .4	< .03	< .1	< .03	< .1	< .03	< .200	< .06	< .02
04-06-2011	1100	< .4	< .03	< .1	< .03	< .1	< .03	< .200	< .06	< .02
08-24-2011	0940	< .4	< .03	< .1	< .03	< .1	< .03	< .200	< .06	< .02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 9 of 29

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	2,6-Diethylaniline, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82660)	2-Chloro-4-isopropylamino-6-amino-s-triazine, water, filtered, recoverable, µg/L (04040)	2-Chloro-6-ethylamino-4-amino-s-triazine, water, filtered, recoverable, µg/L (04038)	2-Hydroxy-4-isopropylamino-6-ethylamino-s-triazine, water, filtered, recoverable, µg/L (50355)	3-Chloropropene, water, unfiltered, recoverable, µg/L (78109)	3-Hydroxy carbofuran, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49308)	Acetochlor, water, filtered, recoverable, µg/L (49260)	Acifluorfen, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49315)	Acrylonitrile, water, unfiltered, recoverable, µg/L (34215)
12-21-2010	0950	< .006	E .019	< .06	.025	< .08	< .040	< .010	< .040	< 0.8
04-06-2011	1100	< .006	E .014	< .06	.021	< .08	< .040	< .010	< .040	< 0.8
08-24-2011	0940	< .006	E .007	< .06	< .060	< .08	< .040	< .010	< .040	< 0.8

08155500 Barton Springs at Austin, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 10 of 29

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Alachlor, water, filtered, recoverable, µg/L (46342)	Aldicarb sulfone, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49313)	Aldicarb sulfoxide, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49314)	Aldicarb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49312)	alpha-HCH, water, filtered, recoverable, µg/L (34253)	Atrazine, water, filtered, recoverable, µg/L (39632)	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82686)	Bendiocarb, water, filtered, recoverable, µg/L (50299)	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673)
12-21-2010	0950	< .008	< .08	< .060	< .12	< .004	.004	< .120	< .04	< .014
04-06-2011	1100	< .008	< .08	< .060	< .12	< .004	.004	< .120	< .04	< .014
08-24-2011	0940	< .008	< .08	< .060	< .12	< .004	.002	< .120	< .04	< .014

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 11 of 29

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Benomyl, water, filtered, recoverable, µg/L (50300)	Bensulfuron-methyl, water, filtered, recoverable, µg/L (61693)	Bentazon, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38711)	Bromacil, water, filtered, recoverable, µg/L (04029)	Bromomethane, water, unfiltered, recoverable, µg/L (34413)	Bromoxynil, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49311)	Butylate, water, filtered, recoverable, µg/L (04028)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49310)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)
12-21-2010	0950	< .060	< .06	< .06	< .06	< .2	< .12	< .004	< .04	< .060
04-06-2011	1100	< .060	< .06	< .06	< .06	< .2	< .12	< .004	< .04	< .060
08-24-2011	0940	< .060	< .06	< .06	< .06	< .2	< .12	< .004	< .04	< .060

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[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Carbofuran, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49309)	Carbofuran, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82674)	Carbon disulfide, water, unfiltered, µg/L (77041)	Chlorambenmethyl ester, water, filtered, recoverable, µg/L (61188)	Chlorimuron-ethyl, water, filtered, recoverable, µg/L (50306)	Chlorpyrifos, water, filtered, recoverable, µg/L (38933)	cis-1,3-Dichloropropene, water, unfiltered, recoverable, µg/L (34704)	cis-Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82687)	Clopyralid, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49305)
12-21-2010	0950	< .040	< .060	< .08	< .10	< .080	< .004	< .10	< .010	< .06
04-06-2011	1100	< .040	< .060	< .08	< .10	< .080	< .004	< .10	< .010	< .06
08-24-2011	0940	< .040	< .060	< .08	< .10	< .080	< .004	< .10	< .010	< .06

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[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Cyanazine, water, filtered, recoverable, µg/L (04041)	Cycloate, water, filtered, recoverable, µg/L (04031)	Dacthal monoacid, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49304)	DCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82682)	Desulfinylfipronil amide, water, filtered, recoverable, µg/L (62169)	Desulfinylfipronil, water, filtered, recoverable, µg/L (62170)	Diazinon, water, filtered, recoverable, µg/L (39572)	Dicamba, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38442)	Dichlorprop, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49302)
12-21-2010	0950	< .022	< .04	< .04	< .008	< .029	< .012	< .006	< .04	< .04
04-06-2011	1100	< .022	< .04	< .04	< .008	< .029	< .012	< .006	< .04	< .04
08-24-2011	0940	< .022	< .04	< .04	< .008	< .029	< .012	< .006	< .04	< .04

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[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Dieldrin, water, filtered, recoverable, µg/L (39381)	Dinoseb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49301)	Diphenamid, water, filtered, recoverable, µg/L (04033)	Disulfoton, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82677)	Diuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49300)	EPTC, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82668)	Ethalfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82663)	Ethoprop, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82672)	Fenuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49297)
12-21-2010	0950	< .008	< .04	< .04	< .04	< .04	< .006	< .006	< .016	< .06
04-06-2011	1100	< .008	< .04	< .04	< .04	< .04	< .006	< .006	< .016	< .06
08-24-2011	0940	< .008	< .04	< .04	< .04	< .04	< .006	< .006	< .016	< .06

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[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Fipronil sulfide, water, filtered, recoverable, µg/L (62167)	Fipronil sulfone, water, filtered, recoverable, µg/L (62168)	Fipronil, water, filtered, recoverable, µg/L (62166)	Flumetsulam, water, filtered, recoverable, µg/L (61694)	Fluometuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38811)	Fonofos, water, filtered, recoverable, µg/L (04095)	Imazaquin, water, filtered, recoverable, µg/L (50356)	Imazethapyr, water, filtered, recoverable, µg/L (50407)	Imidacloprid, water, filtered, recoverable, µg/L (61695)
12-21-2010	0950	< .012	< .024	< .018	< .06	< .04	< .005	< .06	< .06	< .060
04-06-2011	1100	< .012	< .024	< .018	< .06	< .04	< .005	< .06	< .06	< .060
08-24-2011	0940	< .012	< .024	< .018	< .06	< .04	< .005	< .06	< .06	< .060

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[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Iodomethane, water, unfiltered, recoverable, µg/L (77424)	Lindane, water, filtered, recoverable, µg/L (39341)	Linuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38478)	Linuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82666)	Malathion, water, filtered, recoverable, µg/L (39532)	MCPA, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38482)	MCPB, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38487)	Metalaxyl, water, filtered, recoverable, µg/L (50359)	Methiocarb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38501)
12-21-2010	0950	< .26	< .004	< .04	< .060	< .016	< .04	< .20	< .04	< .040
04-06-2011	1100	< .26	< .004	< .04	< .060	< .016	< .04	< .20	< .04	< .040
08-24-2011	0940	< .26	< .004	< .04	< .060	< .016	< .04	< .20	< .04	< .040

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[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Methomyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49296)	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82667)	Metolachlor, water, filtered, recoverable, µg/L (39415)	Metribuzin, water, filtered, recoverable, µg/L (82630)	Metsulfuron-methyl, water, filtered, recoverable, µg/L (61697)	Molinate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82671)	N-(4-Chlorophenyl)-N'-methylurea, water, filtered, recoverable, µg/L (61692)	Napropamide, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82684)	Neburon, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49294)
12-21-2010	0950	< .120	< .008	< .020	< .012	< .14	< .004	< .06	< .008	< .02
04-06-2011	1100	< .120	< .008	< .020	< .012	< .14	< .004	< .06	< .008	< .02
08-24-2011	0940	< .120	< .008	< .020	< .012	< .14	< .004	< .06	< .008	< .02

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[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Nicosulfuron, water, filtered, recoverable, µg/L (50364)	Norflurazon, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49293)	Oryzalin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49292)	Oxamyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38866)	p,p'-DDE, water, filtered, recoverable, µg/L (34653)	Parathion, water, filtered, recoverable, µg/L (39542)	Pebulate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82669)	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82683)	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82664)
12-21-2010	0950	< .10	< .04	< .04	< .12	< .002	< .020	< .016	< .012	< .020
04-06-2011	1100	< .10	< .04	< .04	< .12	< .002	< .020	< .016	< .012	< .020
08-24-2011	0940	< .10	< .04	< .04	< .12	< .002	< .020	< .016	< .012	< .020

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[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Picloram, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49291)	Prometon, water, filtered, recoverable, µg/L (04037)	Propachlor, water, filtered, recoverable, µg/L (04024)	Propanil, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82679)	Propargite, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82685)	Propham, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49236)	Propiconazole, water, filtered, recoverable, µg/L (50471)	Propoxur, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38538)	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82676)
12-21-2010	0950	< .12	< .012	< .006	< .010	< .02	< .040	< .04	< .060	< .004
04-06-2011	1100	< .12	< .012	< .006	< .010	< .02	< .040	< .04	< .060	< .004
08-24-2011	0940	< .12	< .012	< .006	< .010	< .02	< .040	< .04	< .060	< .004

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[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Siduron, water, filtered, recoverable, µg/L (38548)	Simazine, water, filtered, recoverable, µg/L (04035)	Sulfometuron-methyl, water, filtered, recoverable, µg/L (50337)	Tebuthiuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82670)	Terbacil, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82665)	Terbacil, water, filtered, recoverable, µg/L (04032)	Terbufos, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82675)	Thiobencarb, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82681)	trans-1,3-Dichloropropene, water, unfiltered, recoverable, µg/L (34699)
12-21-2010	0950	< .04	.003	< .060	< .03	< .024	< .040	< .02	< .016	< .14
04-06-2011	1100	< .04	.004	< .060	< .03	< .024	< .040	< .02	< .016	< .14
08-24-2011	0940	< .04	.002	< .060	< .03	< .024	< .040	< .02	< .016	< .14

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[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Triallate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82678)	Triclopyr, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49235)	Trifluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82661)	2,4-D plus 2,4-D methyl ester, sum on a molar basis, micrograms per liter as 2,4-D (66496)	1,1,1,2-Tetrachloroethane, water, unfiltered, recoverable, µg/L (77562)	1,1,1-Trichloroethane, water, unfiltered, recoverable, µg/L (34506)	1,1,2,2-Tetrachloroethane, water, unfiltered, recoverable, µg/L (34516)	1,1,2-Trichloro-1,2,2-trifluoroethane, water, unfiltered, recoverable, µg/L (77652)	1,1,2-Trichloroethane, water, unfiltered, recoverable, µg/L (34511)
12-21-2010	0950	< .005	< .08	< .018	< .06	< .04	< .03	< .14	< .03	< .03
04-06-2011	1100	< .005	< .08	< .018	< .06	< .04	< .03	< .14	< .03	< .03
08-24-2011	0940	< .005	< .08	< .018	< .06	< .04	< .03	< .14	< .03	< .03

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[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	1,1-Dichloroethane, water, unfiltered, recoverable, µg/L (34496)	1,1-Dichloroethene, water, unfiltered, recoverable, µg/L (34501)	1,1-Dichloropropene, water, unfiltered, recoverable, µg/L (77168)	1,2,3,4-Tetramethylbenzene, water, unfiltered, recoverable, µg/L (49999)	1,2,3,5-Tetramethylbenzene, water, unfiltered, recoverable, µg/L (50000)	1,2,3-Trichlorobenzene, water, unfiltered, recoverable, µg/L (77613)	1,2,3-Trimethylbenzene, water, unfiltered, recoverable, µg/L (77221)	1,2,4-Trichlorobenzene, water, unfiltered, recoverable, µg/L (34551)	1,2,4-Trimethylbenzene, water, unfiltered, recoverable, µg/L (77222)
12-21-2010	0950	< .04	< .02	< .04	< .1	< .080	< .1	< .060	< .1	< .03
04-06-2011	1100	< .04	< .02	< .04	< .1	< .080	< .1	< .060	< .1	< .03
08-24-2011	0940	< .04	< .02	< .04	< .1	< .080	< .1	< .060	< .1	< .03

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[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	1,2-Dichlorobenzene, water, unfiltered, recoverable, µg/L (34536)	1,3,5-Trimethylbenzene, water, unfiltered, recoverable, µg/L (77226)	1,3-Dichlorobenzene, water, unfiltered, recoverable, µg/L (34566)	2,2-Dichloropropane, water, unfiltered, recoverable, µg/L (77170)	2-Chlorotoluene, water, unfiltered, recoverable, µg/L (77275)	2-Ethyltoluene, water, unfiltered, recoverable, µg/L (77220)	4-Chlorotoluene, water, unfiltered, recoverable, µg/L (77277)	4-Isopropyltoluene, water, unfiltered, recoverable, µg/L (77356)	Acetone, water, unfiltered, recoverable, µg/L (81552)
12-21-2010	0950	< .03	< .03	< .02	< .06	< .03	< .03	< .04	< .06	< 3
04-06-2011	1100	< .03	< .03	< .02	< .06	< .03	< .03	< .04	< .06	< 3
08-24-2011	0940	< .03	< .03	< .02	< .06	< .03	< .03	< .04	< .06	< 3

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[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Benzene, water, unfiltered, recoverable, µg/L (34030)	Bromobenzene, water, unfiltered, recoverable, µg/L (81555)	Bromochloromethane, water, unfiltered, recoverable, µg/L (77297)	Bromodichloromethane, water, unfiltered, recoverable, µg/L (32101)	Bromoethene, water, unfiltered, recoverable, µg/L (50002)	Caffeine, water, filtered, recoverable, µg/L (50305)	Chlorobenzene, water, unfiltered, recoverable, µg/L (34301)	Chloroethane, water, unfiltered, recoverable, µg/L (34311)	Chloromethane, water, unfiltered, recoverable, µg/L (34418)
12-21-2010	0950	< .03	< .02	< .06	< .03	< .1	< .080	< .03	< .1	< .140
04-06-2011	1100	< .03	< .02	< .06	< .03	< .1	< .080	< .03	< .1	< .140
08-24-2011	0940	< .03	< .02	< .06	< .03	< .1	< .080	< .03	< .1	< .140

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[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	cis-1,2-Dichloroethene, water, unfiltered, recoverable, µg/L (77093)	Dibromochloromethane, water, unfiltered, recoverable, µg/L (32105)	Dibromomethane, water, unfiltered, recoverable, µg/L (30217)	Dichlorodifluoromethane, water, unfiltered, recoverable, µg/L (34668)	Dichloromethane, water, unfiltered, recoverable, µg/L (34423)	Diethyl ether, water, unfiltered, recoverable, µg/L (81576)	Diisopropyl ether, water, unfiltered, recoverable, µg/L (81577)	Ethyl methacrylate, water, unfiltered, recoverable, µg/L (73570)	Ethyl methyl ketone, water, unfiltered, recoverable, µg/L (81595)
12-21-2010	0950	< .02	< .1	< .05	< .10	< .04	< .1	< .06	< .2	< 1.6
04-06-2011	1100	< .02	< .1	< .05	< .10	< .04	< .1	< .06	< .2	< 1.6
08-24-2011	0940	< .02	< .1	< .05	< .10	< .04	< .1	< .06	< .2	< 1.6

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[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Ethyl-benzene, water, unfiltered, recover-able, µg/L (34371)	Hexa-chloro-butadiene, water, unfiltered, recover-able, µg/L (39702)	Hexa-chloro-ethane, water, unfiltered, recover-able, µg/L (34396)	Isobutyl methyl ketone, water, unfiltered, recover-able, µg/L (78133)	Isopropyl-benzene, water, unfiltered, recover-able, µg/L (77223)	Methyl acrylate, water, unfiltered, recover-able, µg/L (49991)	Methyl acrylo-nitrile, water, unfiltered, recover-able, µg/L (81593)	Methyl metha-crylate, water, unfiltered, recover-able, µg/L (81597)	Methyl tert-butyl ether, water, unfiltered, recover-able, µg/L (78032)
12-21-2010	0950	< .04	< .1	< .2	< .3	< .04	< .8	< .3	< .2	< .10
04-06-2011	1100	< .04	< .1	< .2	< .3	< .04	< .8	< .3	< .2	< .10
08-24-2011	0940	< .04	< .1	< .2	< .3	< .04	< .8	< .3	< .2	< .10

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 27 of 29

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Methyl tert-pentyl ether, water, unfiltered, recover-able, µg/L (50005)	m-Xylene plus p-xylene, water, unfiltered, recover-able, µg/L (85795)	Naphtha-lene, water, unfiltered, recover-able, µg/L (34696)	n-Butyl methyl ketone, water, unfiltered, recover-able, µg/L (77103)	n-Butyl-benzene, water, unfiltered, recover-able, µg/L (77342)	n-Propyl-benzene, water, unfiltered, recover-able, µg/L (77224)	Organic carbon, water, unfiltered, mg/L (00680)	o-Xylene, water, unfiltered, recover-able, µg/L (77135)	sec-Butyl-benzene, water, unfiltered, recover-able, µg/L (77350)
12-21-2010	0950	< .06	< .08	< .2	< .4	< .1	< .04	.9	< .03	< .03
04-06-2011	1100	< .06	< .08	< .2	< .4	< .1	< .04	.7	< .03	< .03
08-24-2011	0940	< .06	< .08	< .2	< .4	< .1	< .04	.4	< .03	< .03

08155500 Barton Springs at Austin, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 28 of 29

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Styrene, water, unfiltered, recoverable, µg/L (77128)	tert-Butyl ethyl ether, water, unfiltered, recoverable, µg/L (50004)	tert-Butylbenzene, water, unfiltered, recoverable, µg/L (77353)	Tetrachloroethene, water, unfiltered, recoverable, µg/L (34475)	Tetrachloromethane, water, unfiltered, recoverable, µg/L (32102)	Tetrahydrofuran, water, unfiltered, recoverable, µg/L (81607)	Toluene, water, unfiltered, recoverable, µg/L (34010)	trans-1,2-Dichloroethene, water, unfiltered, recoverable, µg/L (34546)	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, µg/L (73547)
12-21-2010	0950	< .04	< .03	< .06	.05	< .06	< 1	< .02	< .02	< .4
04-06-2011	1100	< .04	< .03	< .06	.05	< .06	< 1	< .02	< .02	< .4
08-24-2011	0940	< .04	< .03	< .06	.06	< .06	< 1	< .02	< .02	< 5.0

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 29 of 29

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Tribromomethane, water, unfiltered, recoverable, µg/L (32104)	Trichloroethene, water, unfiltered, recoverable, µg/L (39180)	Trichlorofluoromethane, water, unfiltered, recoverable, µg/L (34488)	Trichloromethane, water, unfiltered, recoverable, µg/L (32106)	Trihalomethanes, water, unfiltered, maximum summation, µg/L (90867)	Trihalomethanes, water, unfiltered, minimum summation, micrograms per liter (90851)	Vinyl chloride, water, unfiltered, recoverable, µg/L (39175)
12-21-2010	0950	< .10	< .02	< .06	.10	< .4	.1	< .1
04-06-2011	1100	< .10	< .02	< .06	.13	< .4	.1	< .1
08-24-2011	0940	< .10	< .02	< .06	.08	< .3	.1	< .1

08155500 Barton Springs at Austin, TX—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	650	647	648	651	647	649	651	650	650	653	651	652
2	651	648	649	651	647	650	650	650	650	653	652	652
3	650	648	649	651	649	650	651	650	650	653	652	653
4	650	647	649	---	---	652	651	650	650	654	653	653
5	650	647	648	652	651	652	651	650	650	654	653	653
6	650	647	649	651	650	651	650	649	649	654	653	653
7	650	648	649	651	650	650	651	649	650	655	653	654
8	651	648	649	651	650	650	651	649	650	655	653	654
9	652	649	650	652	650	651	666	644	652	655	609	642
10	652	649	650	652	650	650	651	643	649	621	610	618
11	652	649	651	651	649	650	651	649	651	637	619	630
12	652	650	651	650	649	650	651	649	650	644	637	641
13	652	650	651	651	649	650	651	650	650	644	643	644
14	652	649	651	652	650	651	652	650	651	644	642	643
15	652	649	650	652	650	651	653	651	652	645	640	644
16	651	649	650	652	650	651	652	651	652	640	616	629
17	651	648	650	651	650	651	652	651	652	632	618	626
18	651	648	650	652	650	651	652	651	652	643	632	638
19	651	648	650	652	651	651	653	651	652	643	641	642
20	651	648	650	652	651	651	653	652	652	644	641	643
21	651	648	650	653	651	652	652	651	652	647	644	646
22	651	648	650	652	652	652	652	651	651	649	646	648
23	650	648	649	652	651	651	653	651	652	649	648	649
24	650	648	649	652	650	651	653	646	652	650	648	650
25	650	648	649	651	649	651	649	645	647	649	648	649
26	650	648	649	651	649	650	650	647	649	651	648	649
27	649	647	649	650	649	650	652	650	651	651	650	650
28	649	647	648	651	650	650	654	652	653	652	650	651
29	649	646	648	651	650	651	654	652	653	653	651	651
30	649	647	648	651	649	650	653	651	652	653	651	652
31	650	647	649	---	---	---	652	651	651	654	651	652
Month	652	646	649	---	---	651	666	643	651	655	609	646

08155500 Barton Springs at Austin, TX—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

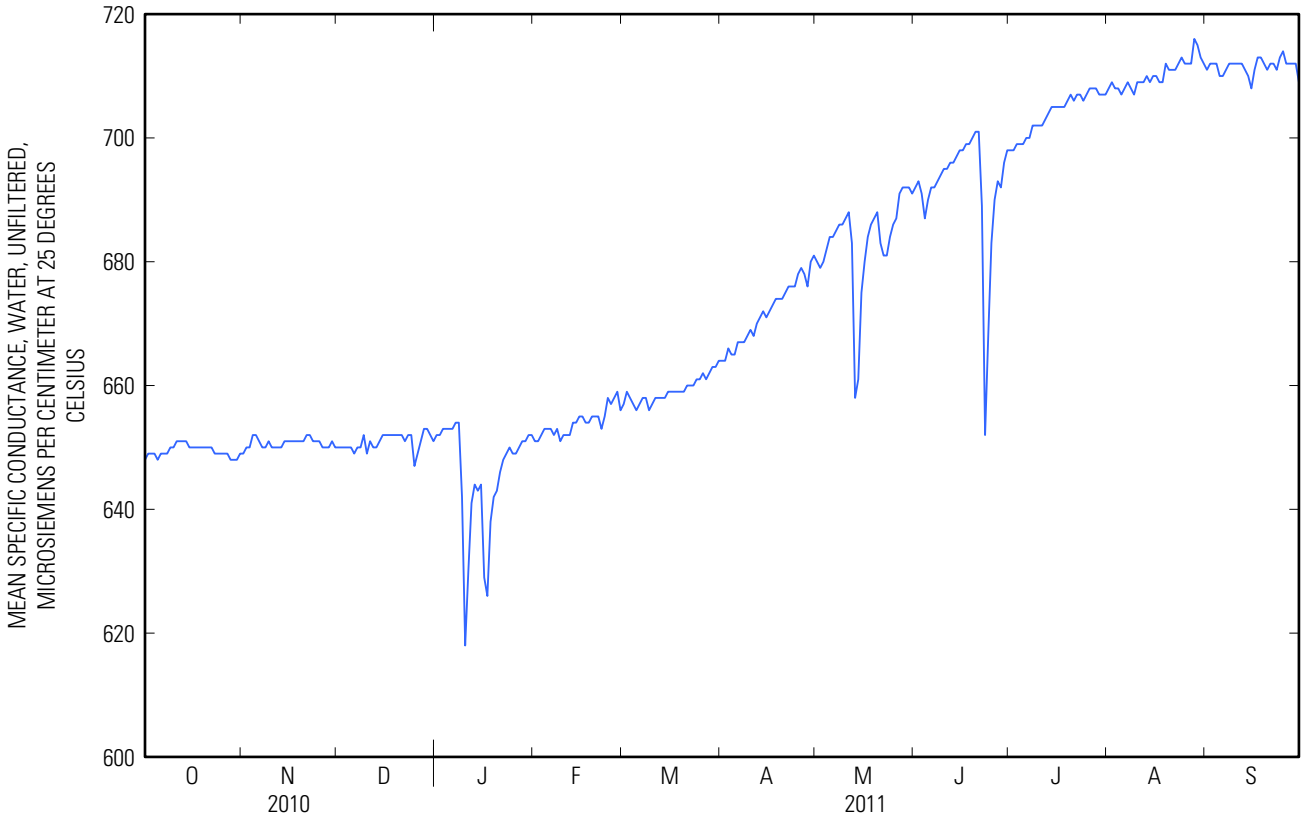
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	654	649	651	660	655	657	666	662	664	682	678	680
2	653	650	651	661	658	659	666	662	664	681	677	679
3	654	651	652	---	---	658	668	664	666	684	678	680
4	654	652	653	658	656	657	668	661	665	685	681	682
5	654	652	653	658	654	656	668	663	665	685	682	684
6	653	652	653	659	655	657	669	666	667	686	682	684
7	654	651	652	659	657	658	669	665	667	687	684	685
8	654	652	653	659	657	658	669	666	667	688	684	686
9	653	649	651	658	654	656	670	667	668	689	685	686
10	653	650	652	659	655	657	672	667	669	689	685	687
11	654	651	652	660	657	658	671	666	668	690	686	688
12	654	651	652	660	657	658	673	668	670	690	671	683
13	655	653	654	660	657	658	673	670	671	675	650	658
14	655	653	654	660	656	658	674	670	672	673	655	661
15	656	653	655	661	657	659	674	668	671	679	673	675
16	655	654	655	660	657	659	675	670	672	683	678	680
17	655	653	654	660	657	659	676	672	673	687	681	684
18	655	653	654	661	657	659	676	673	674	688	684	686
19	656	653	655	661	657	659	676	672	674	689	686	687
20	657	655	655	661	658	659	676	673	674	690	687	688
21	656	654	655	661	658	660	677	674	675	691	679	683
22	655	652	653	662	659	660	678	672	676	685	677	681
23	658	654	655	662	659	660	678	675	676	684	678	681
24	659	656	658	663	659	661	679	674	676	687	683	684
25	659	655	657	663	660	661	680	676	678	690	684	686
26	660	657	658	663	661	662	682	677	679	692	684	687
27	660	658	659	663	660	661	682	675	678	694	689	691
28	658	655	656	664	661	662	680	674	676	695	690	692
29	---	---	---	664	662	663	684	678	680	694	690	692
30	---	---	---	666	660	663	684	679	681	695	690	692
31	---	---	---	666	662	664	---	---	---	695	689	691
Month	660	649	654	---	---	659	684	661	672	695	650	683

08155500 Barton Springs at Austin, TX—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	695	689	692	702	696	698	712	706	708	713	709	711
2	---	---	693	700	696	698	712	707	709	715	710	712
3	695	683	691	702	697	699	711	706	708	714	710	712
4	690	684	687	702	696	699	710	706	708	715	710	712
5	691	688	690	702	697	699	708	706	707	713	708	710
6	694	690	692	702	698	700	710	706	708	713	708	710
7	695	690	692	703	697	700	710	706	709	714	709	711
8	696	691	693	704	700	702	711	707	708	715	709	712
9	696	692	694	705	700	702	710	706	707	715	710	712
10	697	693	695	705	699	702	713	707	709	715	709	712
11	698	693	695	706	701	702	713	707	709	714	709	712
12	699	693	696	707	700	703	712	707	709	714	709	712
13	699	693	696	707	701	704	713	708	710	713	709	711
14	700	693	697	708	702	705	711	707	709	713	707	710
15	701	696	698	709	702	705	713	708	710	710	706	708
16	701	695	698	709	702	705	711	708	710	713	709	711
17	704	696	699	707	703	705	711	708	709	716	711	713
18	702	696	699	708	703	705	---	---	709	715	712	713
19	702	696	700	709	704	706	714	710	712	716	710	712
20	703	697	701	708	706	707	713	709	711	714	710	711
21	704	699	701	710	704	706	713	709	711	715	710	712
22	703	662	689	711	705	707	713	710	711	716	709	712
23	662	649	652	712	704	707	714	711	712	715	708	711
24	679	655	668	711	704	706	715	711	713	716	710	713
25	689	679	683	711	705	707	716	710	712	717	711	714
26	692	688	690	712	705	708	714	710	712	716	710	712
27	694	690	693	712	706	708	715	709	712	717	708	712
28	696	688	692	712	704	708	720	710	716	715	709	712
29	698	692	696	711	705	707	718	713	715	717	709	712
30	700	696	698	711	705	707	715	711	713	713	707	709
31	---	---	---	712	705	707	715	709	712	---	---	---
Month	---	---	692	712	696	704	---	---	710	717	706	712

08155500 Barton Springs at Austin, TX—Continued



08155500 Barton Springs at Austin, TX—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		October			November			December			January	
1	7.1	7.1	7.1	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7.0
2	7.1	7.1	7.1	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7.0
3	7.1	7.1	7.1	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7.0
4	7.1	7.1	7.1	---	---	7.1	7.0	7.0	7.0	7.0	7.0	7.0
5	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
6	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
7	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
8	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
9	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
10	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
11	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
12	7.1	7.1	7.1	7.0	7.0	7.0	7.1	7.0	7.1	7.0	7.0	7.0
13	7.1	7.1	7.1	7.0	7.0	7.0	7.1	7.1	7.1	7.0	7.0	7.0
14	7.1	7.1	7.1	7.0	7.0	7.0	7.1	7.1	7.1	7.0	7.0	7.0
15	7.1	7.1	7.1	7.0	7.0	7.0	7.1	7.1	7.1	7.0	7.0	7.0
16	7.1	7.1	7.1	7.0	7.0	7.0	7.1	7.1	7.1	7.0	7.0	7.0
17	7.1	7.1	7.1	7.0	7.0	7.0	7.1	7.1	7.1	7.0	7.0	7.0
18	7.1	7.1	7.1	7.0	7.0	7.0	7.1	7.1	7.1	7.0	7.0	7.0
19	7.1	7.1	7.1	7.0	7.0	7.0	7.1	7.1	7.1	7.0	7.0	7.0
20	7.1	7.1	7.1	7.0	7.0	7.0	7.1	7.1	7.1	7.0	7.0	7.0
21	7.1	7.1	7.1	7.0	7.0	7.0	7.1	7.1	7.1	7.0	7.0	7.0
22	7.1	7.1	7.1	7.0	7.0	7.0	7.1	7.1	7.1	7.0	7.0	7.0
23	7.1	7.1	7.1	7.0	7.0	7.0	7.1	7.1	7.1	7.0	7.0	7.0
24	7.1	7.1	7.1	7.0	7.0	7.0	7.1	7.1	7.1	7.0	7.0	7.0
25	7.1	7.1	7.1	7.0	7.0	7.0	7.1	7.0	7.0	7.0	7.0	7.0
26	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
27	7.1	7.1	7.1	7.0	7.0	7.0	7.1	7.0	7.0	7.0	7.0	7.0
28	7.1	7.1	7.1	7.0	7.0	7.0	7.1	7.0	7.0	7.0	7.0	7.0
29	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
30	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
31	7.1	7.1	7.1	---	---	---	7.0	7.0	7.0	7.0	7.0	7.0
Max	7.1	7.1	7.1	---	---	7.1	7.1	7.1	7.1	7.0	7.0	7.0
Min	7.1	7.1	7.1	---	---	7.0	7.0	7.0	7.0	7.0	7.0	7.0

08155500 Barton Springs at Austin, TX—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

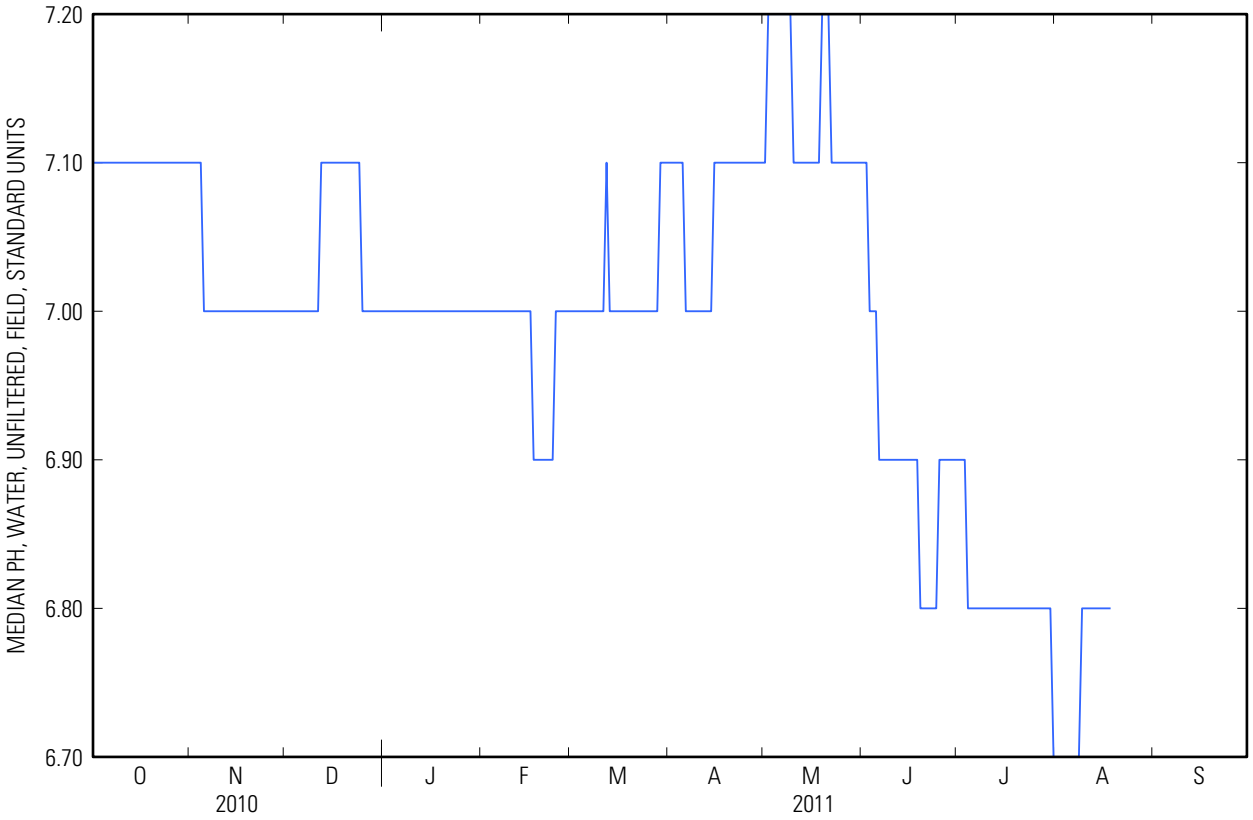
Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		February			March			April			May	
1	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.1	7.1	7.2	7.1	7.1
2	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.1	7.1	7.2	7.2	7.2
3	7.0	7.0	7.0	---	---	7.0	7.1	7.1	7.1	7.2	7.2	7.2
4	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.1	7.1	7.2	7.2	7.2
5	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.1	7.2	7.2	7.2
6	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0	7.2	7.2	7.2
7	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0	7.2	7.2	7.2
8	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0	7.2	7.2	7.2
9	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0	7.2	7.1	7.2
10	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0	7.2	7.1	7.1
11	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0	7.2	7.1	7.1
12	7.0	7.0	7.0	7.1	7.0	7.1	7.1	7.0	7.0	7.2	7.1	7.1
13	7.0	7.0	7.0	7.1	7.0	7.0	7.1	7.0	7.0	7.2	7.1	7.1
14	7.0	7.0	7.0	7.1	7.0	7.0	7.1	7.0	7.0	7.1	7.1	7.1
15	7.0	7.0	7.0	7.1	7.0	7.0	7.2	7.1	7.1	7.1	7.1	7.1
16	7.0	6.9	7.0	7.1	7.0	7.0	7.2	7.1	7.1	7.1	7.1	7.1
17	7.0	6.9	6.9	7.1	7.0	7.0	7.2	7.1	7.1	7.1	7.1	7.1
18	7.0	6.9	6.9	7.1	7.0	7.0	7.2	7.1	7.1	7.2	7.1	7.1
19	7.0	6.9	6.9	7.0	7.0	7.0	7.2	7.1	7.1	7.2	7.2	7.2
20	7.0	6.9	6.9	7.0	7.0	7.0	7.2	7.1	7.1	7.2	7.2	7.2
21	7.0	6.9	6.9	7.0	7.0	7.0	7.2	7.1	7.1	7.2	7.2	7.2
22	7.0	6.9	6.9	7.0	7.0	7.0	7.2	7.1	7.1	7.2	7.1	7.1
23	7.0	6.9	6.9	7.0	7.0	7.0	7.1	7.1	7.1	7.2	7.1	7.1
24	7.0	6.9	7.0	7.0	7.0	7.0	7.1	7.1	7.1	7.1	7.1	7.1
25	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.1	7.1	7.2	7.1	7.1
26	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.1	7.1	7.2	7.1	7.1
27	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.1	7.1	7.2	7.1	7.1
28	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.1	7.1	7.2	7.1	7.1
29	---	---	---	7.1	7.0	7.1	7.1	7.1	7.1	7.2	7.1	7.1
30	---	---	---	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.1	7.1
31	---	---	---	7.1	7.1	7.1	---	---	---	7.2	7.1	7.1
Max	7.0	7.0	7.0	---	---	7.1	7.2	7.1	7.1	7.2	7.2	7.2
Min	7.0	6.9	6.9	---	---	7.0	7.1	7.0	7.0	7.1	7.1	7.1

08155500 Barton Springs at Austin, TX—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
		June			July			August			September	
1	7.2	7.1	7.1	7.0	6.9	6.9	6.8	6.7	6.7	---	---	---
2	---	---	7.1	7.0	6.9	6.9	6.8	6.7	6.7	---	---	---
3	7.0	7.0	7.0	6.9	6.8	6.9	6.8	6.7	6.7	---	---	---
4	7.0	7.0	7.0	6.9	6.8	6.8	6.8	6.7	6.7	---	---	---
5	7.0	7.0	7.0	6.9	6.8	6.8	6.8	6.7	6.7	---	---	---
6	7.0	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.7	---	---	---
7	7.0	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.7	---	---	---
8	7.0	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.7	---	---	---
9	7.0	6.9	6.9	6.9	6.8	6.8	6.9	6.7	6.8	---	---	---
10	7.0	6.9	6.9	6.9	6.8	6.8	6.9	6.8	6.8	---	---	---
11	7.0	6.9	6.9	6.9	6.8	6.8	6.9	6.8	6.8	---	---	---
12	7.0	6.9	6.9	6.9	6.8	6.8	6.9	6.8	6.8	---	---	---
13	7.0	6.9	6.9	6.9	6.8	6.8	6.9	6.8	6.8	---	---	---
14	7.0	6.9	6.9	6.9	6.8	6.8	6.9	6.8	6.8	---	---	---
15	7.0	6.9	6.9	6.9	6.8	6.8	6.9	6.8	6.8	---	---	---
16	6.9	6.9	6.9	6.9	6.8	6.8	6.9	6.8	6.8	---	---	---
17	6.9	6.9	6.9	6.9	6.8	6.8	6.9	6.8	6.8	---	---	---
18	6.9	6.8	6.9	6.9	6.8	6.8	---	---	6.8	---	---	---
19	6.9	6.8	6.8	6.9	6.8	6.8	---	---	---	---	---	---
20	6.9	6.8	6.8	6.9	6.8	6.8	---	---	---	---	---	---
21	6.9	6.8	6.8	6.9	6.8	6.8	---	---	---	---	---	---
22	6.9	6.8	6.8	6.9	6.8	6.8	---	---	---	---	---	---
23	6.9	6.8	6.8	6.9	6.8	6.8	---	---	---	---	---	---
24	6.8	6.8	6.8	6.9	6.8	6.8	---	---	---	---	---	---
25	7.0	6.8	6.9	6.9	6.8	6.8	---	---	---	---	---	---
26	7.0	6.9	6.9	6.8	6.8	6.8	---	---	---	---	---	---
27	7.0	6.9	6.9	6.8	6.8	6.8	---	---	---	---	---	---
28	7.0	6.9	6.9	6.8	6.8	6.8	---	---	---	---	---	---
29	7.0	6.9	6.9	6.8	6.7	6.8	---	---	---	---	---	---
30	7.0	6.9	6.9	6.8	6.7	6.8	---	---	---	---	---	---
31	---	---	---	6.8	6.7	6.7	---	---	---	---	---	---
Max	---	---	7.1	7.0	6.9	6.9	---	---	---	---	---	---
Min	---	---	6.8	6.8	6.7	6.7	---	---	---	---	---	---

08155500 Barton Springs at Austin, TX—Continued



08155500 Barton Springs at Austin, TX—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	22.2	22.1	22.1	21.4	21.4	21.4	21.1	21.1	21.1	21.0	21.0	21.0
2	22.1	22.0	22.0	21.4	21.4	21.4	21.1	21.1	21.1	21.0	21.0	21.0
3	22.0	22.0	22.0	21.4	21.4	21.4	21.1	21.1	21.1	21.0	21.0	21.0
4	22.0	21.9	21.9	---	---	21.4	21.1	21.1	21.1	21.0	21.0	21.0
5	21.9	21.9	21.9	21.4	21.4	21.4	21.1	21.1	21.1	21.0	21.0	21.0
6	21.9	21.8	21.8	21.4	21.4	21.4	21.1	21.1	21.1	21.0	21.0	21.0
7	21.8	21.8	21.8	21.4	21.4	21.4	21.1	21.1	21.1	21.0	21.0	21.0
8	21.8	21.7	21.8	21.4	21.4	21.4	21.1	21.1	21.1	21.0	21.0	21.0
9	21.7	21.7	21.7	21.4	21.3	21.3	21.1	21.1	21.1	21.1	21.0	21.0
10	21.7	21.6	21.6	21.3	21.3	21.3	21.1	21.1	21.1	21.0	20.8	20.8
11	21.6	21.6	21.6	21.3	21.3	21.3	21.1	21.1	21.1	20.9	20.8	20.8
12	21.6	21.6	21.6	21.3	21.2	21.3	21.1	21.1	21.1	20.9	20.9	20.9
13	21.6	21.5	21.5	21.2	21.2	21.2	21.1	21.1	21.1	20.9	20.9	20.9
14	21.5	21.5	21.5	21.2	21.2	21.2	21.1	21.1	21.1	20.9	20.9	20.9
15	21.5	21.5	21.5	21.2	21.2	21.2	21.1	21.1	21.1	20.9	20.9	20.9
16	21.5	21.5	21.5	21.2	21.2	21.2	21.1	21.1	21.1	20.9	20.8	20.8
17	21.5	21.5	21.5	21.2	21.2	21.2	21.1	21.0	21.1	20.8	20.7	20.7
18	21.5	21.5	21.5	21.2	21.2	21.2	21.1	21.0	21.0	20.7	20.7	20.7
19	21.5	21.4	21.4	21.2	21.2	21.2	21.0	21.0	21.0	20.7	20.7	20.7
20	21.4	21.4	21.4	21.2	21.2	21.2	21.0	21.0	21.0	20.7	20.7	20.7
21	21.4	21.4	21.4	21.2	21.2	21.2	21.0	21.0	21.0	20.7	20.7	20.7
22	21.4	21.4	21.4	21.2	21.2	21.2	21.0	21.0	21.0	20.7	20.6	20.6
23	21.4	21.4	21.4	21.2	21.1	21.1	21.0	21.0	21.0	20.6	20.6	20.6
24	21.4	21.4	21.4	21.1	21.1	21.1	21.0	21.0	21.0	20.6	20.6	20.6
25	21.4	21.4	21.4	21.1	21.1	21.1	21.0	21.0	21.0	20.6	20.6	20.6
26	21.4	21.4	21.4	21.1	21.1	21.1	21.0	21.0	21.0	20.6	20.6	20.6
27	21.4	21.4	21.4	21.1	21.1	21.1	21.0	21.0	21.0	20.6	20.6	20.6
28	21.4	21.4	21.4	21.1	21.1	21.1	21.0	21.0	21.0	20.6	20.6	20.6
29	21.4	21.4	21.4	21.1	21.1	21.1	21.0	21.0	21.0	20.6	20.6	20.6
30	21.4	21.4	21.4	21.1	21.1	21.1	21.0	21.0	21.0	20.6	20.6	20.6
31	21.4	21.4	21.4	---	---	---	21.0	21.0	21.0	20.7	20.6	20.6
Month	22.2	21.4	21.6	---	---	21.2	21.1	21.0	21.1	21.1	20.6	20.8

08155500 Barton Springs at Austin, TX—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

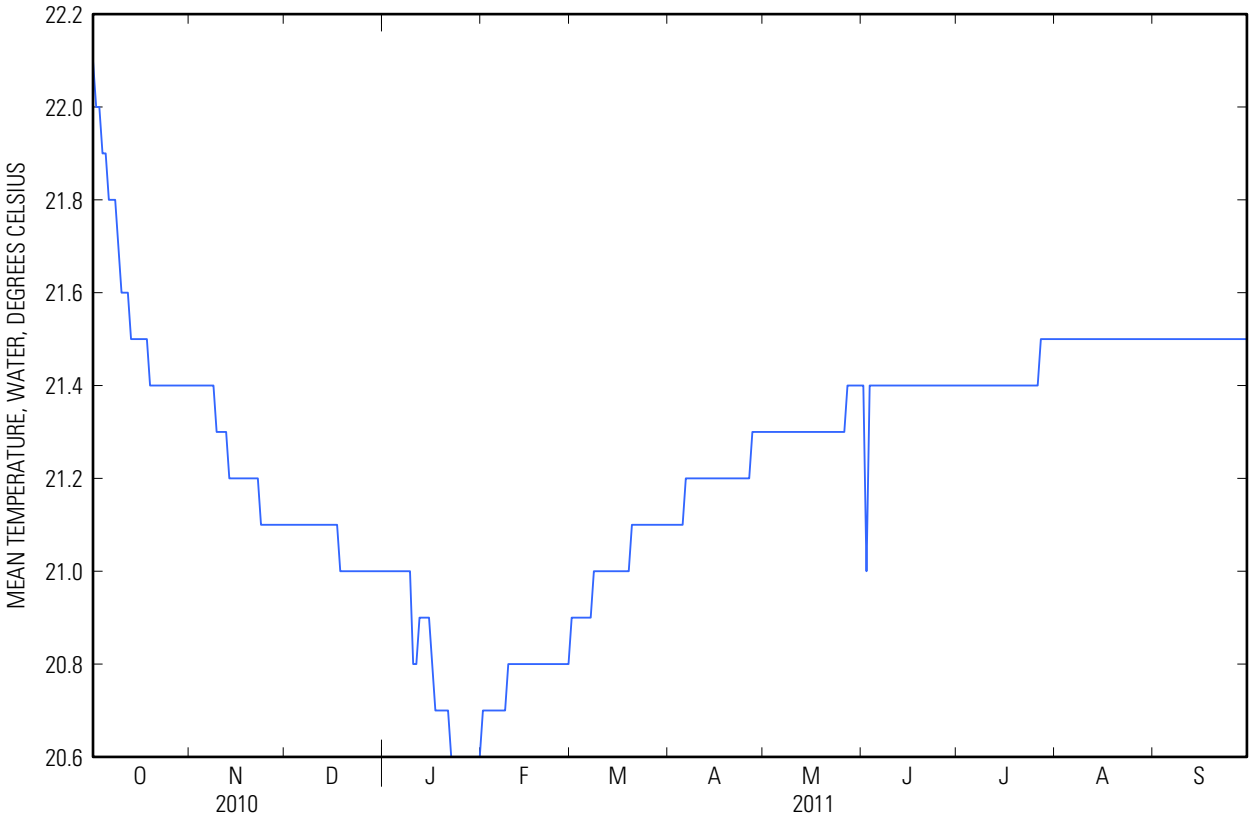
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	20.7	20.7	20.7	20.9	20.8	20.9	21.1	21.1	21.1	21.3	21.3	21.3
2	20.7	20.7	20.7	20.9	20.9	20.9	21.1	21.1	21.1	21.3	21.3	21.3
3	20.7	20.7	20.7	---	---	20.9	21.1	21.1	21.1	21.3	21.3	21.3
4	20.7	20.7	20.7	20.9	20.9	20.9	21.1	21.1	21.1	21.3	21.3	21.3
5	20.7	20.7	20.7	20.9	20.9	20.9	21.2	21.1	21.1	21.3	21.3	21.3
6	20.7	20.7	20.7	20.9	20.9	20.9	21.2	21.2	21.2	21.3	21.3	21.3
7	20.7	20.7	20.7	21.0	20.9	20.9	21.2	21.2	21.2	21.3	21.3	21.3
8	20.7	20.7	20.7	21.0	21.0	21.0	21.2	21.2	21.2	21.3	21.3	21.3
9	20.8	20.7	20.8	21.0	21.0	21.0	21.2	21.2	21.2	21.3	21.3	21.3
10	20.8	20.8	20.8	21.0	21.0	21.0	21.2	21.2	21.2	21.3	21.3	21.3
11	20.8	20.8	20.8	21.0	21.0	21.0	21.2	21.2	21.2	21.3	21.3	21.3
12	20.8	20.8	20.8	21.0	21.0	21.0	21.2	21.2	21.2	21.3	21.3	21.3
13	20.8	20.8	20.8	21.0	21.0	21.0	21.2	21.2	21.2	21.3	21.3	21.3
14	20.8	20.8	20.8	21.0	21.0	21.0	21.2	21.2	21.2	21.3	21.3	21.3
15	20.8	20.8	20.8	21.0	21.0	21.0	21.2	21.2	21.2	21.3	21.3	21.3
16	20.8	20.8	20.8	21.0	21.0	21.0	21.2	21.2	21.2	21.3	21.3	21.3
17	20.8	20.8	20.8	21.0	21.0	21.0	21.2	21.2	21.2	21.3	21.3	21.3
18	20.8	20.8	20.8	21.0	21.0	21.0	21.2	21.2	21.2	21.3	21.3	21.3
19	20.8	20.8	20.8	21.0	21.0	21.0	21.2	21.2	21.2	21.3	21.3	21.3
20	20.8	20.8	20.8	21.1	21.0	21.1	21.2	21.2	21.2	21.3	21.3	21.3
21	20.8	20.8	20.8	21.1	21.1	21.1	21.2	21.2	21.2	21.3	21.3	21.3
22	20.8	20.8	20.8	21.1	21.1	21.1	21.2	21.2	21.2	21.3	21.3	21.3
23	20.8	20.8	20.8	21.1	21.1	21.1	21.2	21.2	21.2	21.3	21.3	21.3
24	20.8	20.8	20.8	21.1	21.1	21.1	21.2	21.2	21.2	21.3	21.3	21.3
25	20.8	20.8	20.8	21.1	21.1	21.1	21.2	21.2	21.2	21.3	21.3	21.3
26	20.8	20.8	20.8	21.1	21.1	21.1	21.3	21.2	21.2	21.4	21.3	21.3
27	20.8	20.8	20.8	21.1	21.1	21.1	21.3	21.3	21.3	21.4	21.3	21.4
28	20.8	20.8	20.8	21.1	21.1	21.1	21.3	21.3	21.3	21.4	21.4	21.4
29	---	---	---	21.1	21.1	21.1	21.3	21.3	21.3	21.4	21.4	21.4
30	---	---	---	21.1	21.1	21.1	21.3	21.3	21.3	21.4	21.4	21.4
31	---	---	---	21.1	21.1	21.1	---	---	---	21.4	21.4	21.4
Month	20.8	20.7	20.8	---	---	21.0	21.3	21.1	21.2	21.4	21.3	21.3

08155500 Barton Springs at Austin, TX—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
2	---	---	21.0	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
3	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
4	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
5	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
6	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
7	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
8	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
9	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
10	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
11	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
12	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
13	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
14	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
15	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
16	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
17	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
18	21.4	21.4	21.4	21.4	21.4	21.4	---	---	21.5	21.5	21.5	21.5
19	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
20	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
21	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
22	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
23	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
24	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
25	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
26	21.4	21.4	21.4	21.5	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5
27	21.4	21.4	21.4	21.5	21.4	21.5	21.5	21.5	21.5	21.5	21.5	21.5
28	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
29	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
30	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
31	---	---	---	21.5	21.5	21.5	21.5	21.5	21.5	---	---	---
Month	---	---	21.4	21.5	21.4	21.4	---	---	21.5	21.5	21.5	21.5

08155500 Barton Springs at Austin, TX—Continued



08155500 Barton Springs at Austin, TX—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	6.0	5.9	6.0	6.3	6.3	6.3	6.6	6.5	6.6	6.2	6.2	6.2
2	6.0	5.9	6.0	6.3	6.1	6.3	6.6	6.6	6.6	6.2	6.2	6.2
3	6.0	6.0	6.0	6.3	6.2	6.3	6.6	6.6	6.6	6.2	6.2	6.2
4	6.1	6.0	6.1	---	---	6.3	6.6	6.6	6.6	6.2	6.2	6.2
5	6.1	6.1	6.1	6.4	6.4	6.4	6.6	6.6	6.6	6.2	6.2	6.2
6	6.2	6.1	6.1	6.4	6.4	6.4	6.6	6.6	6.6	6.2	6.2	6.2
7	6.2	6.2	6.2	6.4	6.4	6.4	6.6	6.6	6.6	6.2	6.2	6.2
8	6.2	6.2	6.2	6.5	6.4	6.4	6.6	6.6	6.6	6.2	6.2	6.2
9	6.2	6.2	6.2	6.5	6.4	6.5	6.6	6.5	6.6	6.3	6.2	6.2
10	6.2	6.2	6.2	6.5	6.4	6.5	6.6	6.6	6.6	6.3	6.2	6.3
11	6.2	6.2	6.2	6.5	6.5	6.5	6.6	6.6	6.6	6.3	6.2	6.2
12	6.2	6.2	6.2	6.5	6.4	6.5	6.6	6.6	6.6	6.3	6.2	6.3
13	6.3	6.2	6.2	6.5	6.4	6.5	6.6	6.4	6.5	6.3	6.3	6.3
14	6.3	6.3	6.3	6.5	6.5	6.5	6.5	6.4	6.5	6.3	6.3	6.3
15	6.3	6.3	6.3	6.5	6.5	6.5	6.5	6.4	6.4	6.3	6.3	6.3
16	6.3	6.3	6.3	6.5	6.5	6.5	6.4	6.4	6.4	6.4	6.3	6.3
17	6.3	6.3	6.3	6.5	6.5	6.5	6.4	6.4	6.4	6.4	6.4	6.4
18	6.3	6.3	6.3	6.5	6.5	6.5	6.4	6.4	6.4	6.4	6.4	6.4
19	6.3	6.3	6.3	6.5	6.5	6.5	6.4	6.4	6.4	6.4	6.3	6.4
20	6.3	6.3	6.3	6.5	6.5	6.5	6.4	6.4	6.4	6.4	6.3	6.3
21	6.3	6.3	6.3	6.5	6.5	6.5	6.4	6.3	6.4	6.3	6.3	6.3
22	6.3	6.2	6.2	6.6	6.5	6.5	6.3	6.3	6.3	6.3	6.3	6.3
23	6.3	6.2	6.2	6.6	6.5	6.5	6.3	6.3	6.3	6.3	6.3	6.3
24	6.3	6.2	6.2	6.6	6.5	6.5	6.4	6.3	6.3	6.3	6.3	6.3
25	6.3	6.2	6.2	6.6	6.5	6.6	6.4	6.1	6.2	6.3	6.3	6.3
26	6.3	6.2	6.2	6.6	6.5	6.6	6.2	6.2	6.2	6.3	6.3	6.3
27	6.2	6.2	6.2	6.6	6.6	6.6	6.3	6.2	6.2	6.3	6.3	6.3
28	6.3	6.2	6.2	6.6	6.6	6.6	6.3	6.3	6.3	6.3	6.3	6.3
29	6.3	6.2	6.3	6.6	6.6	6.6	6.3	6.2	6.3	6.3	6.3	6.3
30	6.3	6.3	6.3	6.6	6.5	6.6	6.2	6.2	6.2	6.3	6.3	6.3
31	6.3	6.3	6.3	---	---	---	6.2	6.2	6.2	6.3	6.3	6.3
Month	6.3	5.9	6.2	---	---	6.5	6.6	6.1	6.4	6.4	6.2	6.3

08155500 Barton Springs at Austin, TX—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

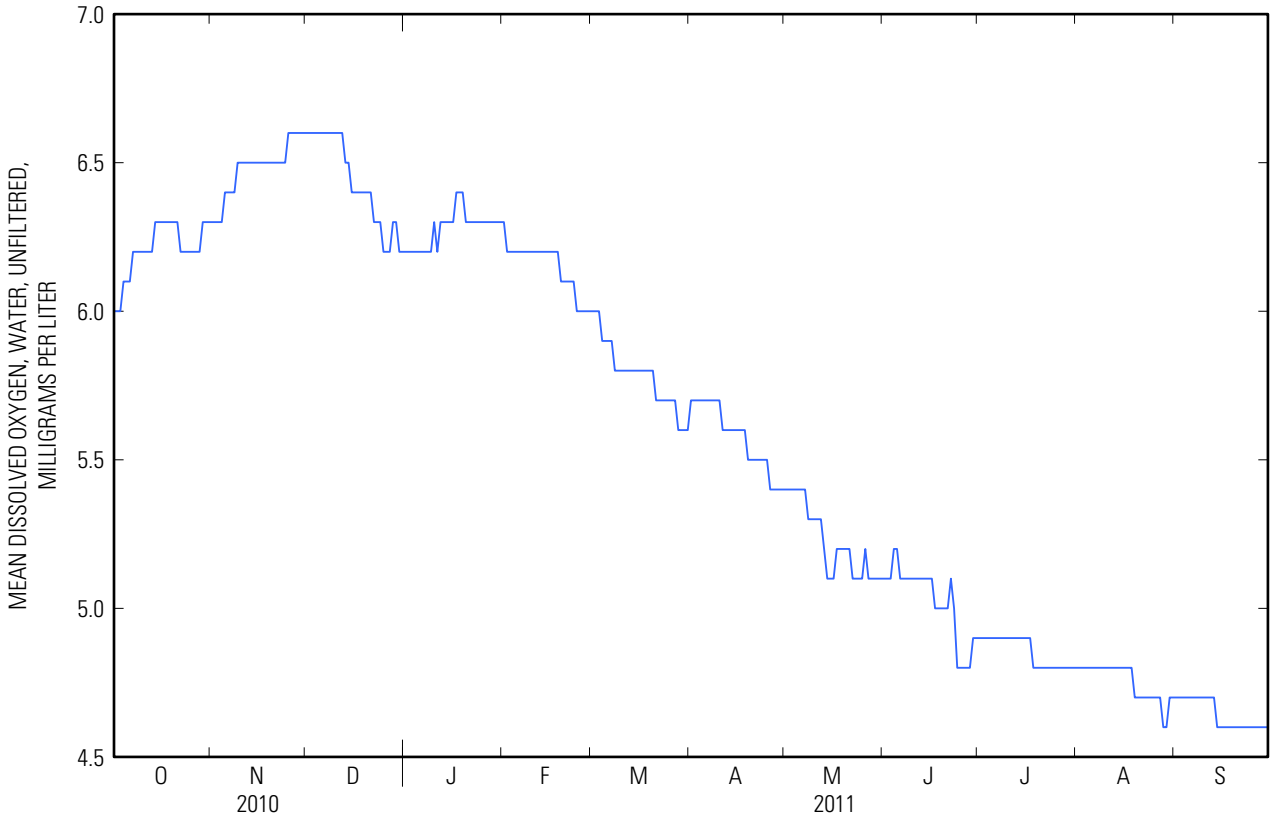
Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	6.3	6.2	6.3	6.0	6.0	6.0	5.7	5.6	5.7	5.4	5.4	5.4
2	6.3	6.2	6.2	6.0	5.9	6.0	5.7	5.7	5.7	5.4	5.4	5.4
3	6.3	6.2	6.2	---	---	6.0	5.7	5.7	5.7	5.4	5.4	5.4
4	6.3	6.2	6.2	5.9	5.9	5.9	5.7	5.7	5.7	5.4	5.4	5.4
5	6.2	6.2	6.2	5.9	5.9	5.9	5.7	5.6	5.7	5.4	5.4	5.4
6	6.2	6.2	6.2	5.9	5.8	5.9	5.7	5.7	5.7	5.4	5.4	5.4
7	6.2	6.2	6.2	5.9	5.8	5.9	5.7	5.7	5.7	5.4	5.3	5.4
8	6.2	6.2	6.2	5.9	5.8	5.8	5.7	5.7	5.7	5.4	5.3	5.3
9	6.2	6.2	6.2	5.9	5.8	5.8	5.7	5.6	5.7	5.3	5.3	5.3
10	6.2	6.2	6.2	5.9	5.8	5.8	5.7	5.6	5.7	5.3	5.3	5.3
11	6.2	6.2	6.2	5.9	5.8	5.8	5.7	5.6	5.6	5.3	5.3	5.3
12	6.2	6.2	6.2	5.9	5.8	5.8	5.6	5.6	5.6	5.4	5.3	5.3
13	6.2	6.2	6.2	5.9	5.8	5.8	5.6	5.6	5.6	5.4	4.9	5.2
14	6.2	6.2	6.2	5.8	5.8	5.8	5.6	5.6	5.6	5.1	5.0	5.1
15	6.2	6.2	6.2	5.8	5.8	5.8	5.6	5.6	5.6	5.1	5.1	5.1
16	6.2	6.2	6.2	5.8	5.8	5.8	5.6	5.6	5.6	5.2	5.1	5.1
17	6.2	6.1	6.2	5.8	5.8	5.8	5.6	5.6	5.6	5.2	5.1	5.2
18	6.2	6.1	6.2	5.8	5.8	5.8	5.6	5.5	5.6	5.2	5.2	5.2
19	6.2	6.1	6.1	5.8	5.7	5.8	5.5	5.5	5.5	5.2	5.2	5.2
20	6.1	6.1	6.1	5.8	5.7	5.8	5.5	5.5	5.5	5.2	5.2	5.2
21	6.1	6.1	6.1	5.8	5.7	5.7	5.5	5.5	5.5	5.2	5.2	5.2
22	6.1	6.1	6.1	5.7	5.7	5.7	5.5	5.5	5.5	5.2	5.1	5.1
23	6.1	6.1	6.1	5.7	5.7	5.7	5.5	5.5	5.5	5.1	5.1	5.1
24	6.1	6.0	6.0	5.7	5.7	5.7	5.5	5.4	5.5	5.1	5.1	5.1
25	6.1	6.0	6.0	5.7	5.7	5.7	5.5	5.5	5.5	5.2	5.1	5.1
26	6.0	6.0	6.0	5.7	5.6	5.7	5.5	5.4	5.4	5.2	5.1	5.2
27	6.0	5.9	6.0	5.7	5.6	5.7	5.4	5.4	5.4	5.1	5.1	5.1
28	6.0	5.9	6.0	5.6	5.6	5.6	5.4	5.4	5.4	5.1	5.1	5.1
29	---	---	---	5.6	5.6	5.6	5.4	5.4	5.4	5.1	5.1	5.1
30	---	---	---	5.6	5.6	5.6	5.4	5.4	5.4	5.1	5.1	5.1
31	---	---	---	5.6	5.6	5.6	---	---	---	5.1	5.1	5.1
Month	6.3	5.9	6.2	---	---	5.8	5.7	5.4	5.6	5.4	4.9	5.2

08155500 Barton Springs at Austin, TX—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	5.1	5.1	5.1	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.7	4.7
2	---	---	5.1	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.7	4.7
3	5.2	5.1	5.1	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.7	4.7
4	5.2	5.2	5.2	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.7	4.7
5	5.2	5.1	5.2	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.7	4.7
6	5.2	5.1	5.1	4.9	4.8	4.9	4.8	4.8	4.8	4.7	4.7	4.7
7	5.2	5.1	5.1	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.7	4.7
8	5.1	5.1	5.1	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.6	4.7
9	5.1	5.1	5.1	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.7	4.7
10	5.1	5.1	5.1	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.7	4.7
11	5.1	5.1	5.1	4.9	4.8	4.9	4.8	4.8	4.8	4.7	4.7	4.7
12	5.1	5.1	5.1	4.9	4.8	4.9	4.8	4.8	4.8	4.7	4.7	4.7
13	5.1	5.1	5.1	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.6	4.7
14	5.1	5.1	5.1	4.9	4.9	4.9	4.8	4.8	4.8	4.6	4.6	4.6
15	5.1	5.0	5.1	4.9	4.8	4.9	4.8	4.8	4.8	4.7	4.6	4.6
16	5.1	5.0	5.1	4.9	4.8	4.9	4.8	4.7	4.8	4.7	4.6	4.6
17	5.1	5.0	5.0	4.9	4.8	4.9	4.8	4.7	4.8	4.7	4.6	4.6
18	5.1	5.0	5.0	4.9	4.8	4.8	---	---	4.8	4.7	4.6	4.6
19	5.1	5.0	5.0	4.9	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6
20	5.0	5.0	5.0	4.9	4.8	4.8	4.8	4.7	4.7	4.6	4.6	4.6
21	5.0	5.0	5.0	4.9	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6
22	5.3	5.0	5.1	4.9	4.8	4.8	4.7	4.7	4.7	4.7	4.6	4.6
23	5.2	4.8	5.0	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6
24	4.9	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6
25	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6
26	4.9	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6
27	4.9	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6
28	4.9	4.8	4.8	4.8	4.8	4.8	4.7	4.4	4.6	4.6	4.6	4.6
29	4.9	4.8	4.9	4.8	4.8	4.8	4.6	4.6	4.6	4.6	4.6	4.6
30	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.6	4.7	4.7	4.6	4.6
31	---	---	---	4.8	4.8	4.8	4.7	4.7	4.7	---	---	---
Month	---	---	5.0	4.9	4.8	4.9	---	---	4.8	4.7	4.6	4.6

08155500 Barton Springs at Austin, TX—Continued



08155500 Barton Springs at Austin, TX—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	1.6	1.3	1.3	1.0	0.8	0.8	1.2	0.9	0.9	1.0	0.8	0.8
2	1.5	1.3	1.3	0.9	0.8	0.8	1.1	0.9	0.9	0.9	0.8	0.8
3	1.5	1.2	1.3	0.9	0.7	0.8	1.3	0.9	0.9	1.4	0.7	0.7
4	1.4	1.2	1.3	---	---	0.9	1.3	0.9	0.9	1.0	0.7	0.7
5	1.3	1.2	1.3	2.0	1.1	1.2	1.1	0.8	0.9	1.1	0.7	0.7
6	1.4	1.1	1.2	1.6	1.0	1.2	1.2	0.8	0.9	0.8	0.7	0.7
7	2.0	1.1	1.2	1.4	1.0	1.1	1.1	0.8	0.9	1.2	0.7	0.8
8	1.5	1.0	1.2	2.5	1.0	1.1	1.2	0.8	0.9	1.1	0.7	0.7
9	1.4	1.0	1.2	1.3	1.0	1.1	1.7	0.8	0.9	4.1	0.7	1.9
10	1.4	1.0	1.1	1.7	1.0	1.1	1.1	0.8	0.9	2.5	1.1	1.5
11	1.3	1.0	1.1	1.6	1.0	1.1	1.0	0.8	0.9	1.4	0.8	1.0
12	1.4	0.9	1.1	1.4	1.0	1.1	1.3	0.8	0.9	1.1	0.8	0.9
13	1.3	0.9	1.0	1.7	1.0	1.1	1.1	0.8	0.9	1.1	0.7	0.8
14	1.2	0.9	1.0	1.3	1.0	1.1	1.8	0.8	0.9	1.0	0.7	0.8
15	1.6	0.9	1.0	2.3	1.0	1.1	1.7	0.8	0.9	1.1	0.7	0.8
16	1.2	0.9	0.9	1.6	1.0	1.1	1.1	0.8	0.9	1.3	0.8	1.1
17	1.3	0.9	1.0	1.2	0.9	1.0	1.0	0.8	0.9	1.3	0.8	1.0
18	1.1	0.9	1.0	1.2	0.9	1.0	1.0	0.8	0.9	1.1	0.8	0.9
19	1.0	0.9	1.0	3.4	0.9	1.0	1.7	0.8	0.9	1.3	0.8	0.8
20	1.0	0.9	1.0	1.8	0.9	1.0	1.2	0.8	0.9	1.4	0.8	0.8
21	1.3	0.9	1.0	1.5	0.9	1.0	1.1	0.8	0.9	1.1	0.7	0.8
22	1.1	0.9	0.9	1.1	0.9	1.0	1.1	0.8	0.9	1.4	0.7	0.8
23	1.0	0.8	0.9	1.3	0.9	1.0	1.2	0.8	0.9	1.3	0.7	0.8
24	1.1	0.8	0.9	1.2	0.9	1.0	1.0	0.8	0.9	1.1	0.7	0.8
25	1.3	0.8	0.9	1.1	0.9	1.0	1.2	0.8	1.0	1.0	0.7	0.8
26	1.1	0.8	0.9	1.2	0.9	1.0	1.1	0.8	0.9	1.1	0.7	0.8
27	1.0	0.8	0.8	2.2	0.9	1.0	1.1	0.8	0.9	1.0	0.7	0.8
28	0.9	0.7	0.8	1.1	0.9	0.9	1.0	0.8	0.8	1.3	0.7	0.8
29	0.9	0.7	0.8	1.2	0.9	0.9	1.1	0.8	0.8	1.1	0.7	0.8
30	1.0	0.8	0.8	1.1	0.9	0.9	1.1	0.8	0.8	1.1	0.7	0.8
31	1.0	0.8	0.8	---	---	---	1.0	0.7	0.8	1.0	0.7	0.8
Month	2.0	0.7	1.0	---	---	1.0	1.8	0.7	0.9	4.1	0.7	0.9

08155500 Barton Springs at Austin, TX—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	1.1	0.7	0.8	1.5	0.7	0.8	0.7	0.6	0.7	0.8	0.5	0.6
2	1.1	0.7	0.8	1.0	0.7	0.8	0.7	0.6	0.7	0.7	0.5	0.6
3	1.0	0.7	0.8	---	---	0.8	0.8	0.6	0.7	0.6	0.5	0.6
4	1.1	0.7	0.8	1.1	0.7	0.7	0.7	0.6	0.7	0.7	0.5	0.6
5	0.8	0.7	0.8	0.9	0.7	0.7	0.9	0.6	0.7	0.8	0.5	0.6
6	1.0	0.7	0.8	0.8	0.7	0.7	0.8	0.5	0.7	0.7	0.5	0.6
7	1.1	0.7	0.8	0.9	0.7	0.7	0.8	0.5	0.6	0.7	0.5	0.6
8	1.0	0.7	0.8	0.9	0.7	0.7	0.7	0.5	0.6	0.7	0.6	0.6
9	0.8	0.7	0.8	0.9	0.7	0.7	0.7	0.5	0.6	0.7	0.6	0.6
10	1.0	0.7	0.8	0.8	0.7	0.7	0.6	0.5	0.6	0.7	0.6	0.6
11	1.0	0.7	0.8	0.9	0.7	0.7	0.7	0.5	0.6	0.7	0.6	0.6
12	1.2	0.7	0.8	1.0	0.7	0.7	0.7	0.5	0.6	2.7	0.6	1.1
13	1.2	0.7	0.8	0.9	0.7	0.7	0.8	0.5	0.6	2.8	1.8	2.1
14	0.8	0.7	0.8	0.9	0.6	0.7	0.8	0.6	0.6	2.0	1.0	1.3
15	1.0	0.7	0.8	0.7	0.6	0.6	0.7	0.5	0.6	1.4	0.9	1.0
16	1.2	0.7	0.8	0.8	0.6	0.7	0.7	0.6	0.6	1.0	0.8	0.9
17	1.0	0.7	0.8	0.8	0.6	0.6	0.8	0.6	0.6	1.1	0.8	0.9
18	1.2	0.7	0.9	1.0	0.6	0.7	1.4	0.6	0.6	1.0	0.8	0.9
19	1.0	0.7	0.9	0.8	0.6	0.6	0.7	0.6	0.6	1.0	0.8	0.9
20	1.0	0.7	0.9	0.8	0.6	0.6	0.8	0.6	0.6	1.0	0.8	0.9
21	1.0	0.7	0.9	0.8	0.6	0.7	0.8	0.6	0.6	1.0	0.8	0.9
22	1.0	0.7	0.9	0.8	0.6	0.7	0.7	0.6	0.6	1.1	0.8	0.9
23	1.0	0.7	0.9	0.8	0.6	0.7	0.7	0.6	0.6	1.0	0.7	0.9
24	1.0	0.7	0.9	0.9	0.6	0.7	0.8	0.6	0.6	1.2	0.7	0.8
25	0.9	0.7	0.8	0.8	0.6	0.7	0.9	0.6	0.6	1.1	0.7	0.8
26	1.0	0.7	0.8	0.8	0.6	0.7	1.5	0.6	0.7	1.0	0.7	0.8
27	1.0	0.7	0.8	0.9	0.6	0.7	0.7	0.6	0.6	0.9	0.7	0.8
28	1.2	0.7	0.8	0.8	0.6	0.7	1.0	0.6	0.7	0.9	0.7	0.8
29	---	---	---	0.8	0.6	0.7	1.0	0.5	0.6	0.9	0.7	0.8
30	---	---	---	0.8	0.6	0.7	1.9	0.5	0.6	1.0	0.7	0.8
31	---	---	---	0.8	0.6	0.7	---	---	---	1.0	0.7	0.8
Month	1.2	0.7	0.8	---	---	0.7	1.9	0.5	0.6	2.8	0.5	0.8

08155500 Barton Springs at Austin, TX—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	0.9	0.7	0.8	0.9	0.6	0.7	1.8	0.8	1.0	1.6	1.3	1.4
2	---	---	0.8	0.8	0.6	0.6	1.3	0.9	1.0	1.5	1.2	1.3
3	1.0	0.7	0.8	1.5	0.6	0.7	1.1	0.8	0.9	1.6	1.1	1.3
4	0.9	0.6	0.7	1.0	0.6	0.7	1.4	0.8	0.9	1.5	1.2	1.3
5	0.9	0.6	0.7	0.8	0.6	0.7	1.2	0.8	1.0	1.7	1.1	1.3
6	0.7	0.6	0.7	0.9	0.6	0.7	1.2	0.9	1.0	1.6	1.1	1.3
7	0.8	0.6	0.6	0.9	0.6	0.7	1.2	1.0	1.1	1.6	1.1	1.3
8	0.7	0.6	0.6	0.8	0.6	0.6	1.3	0.9	1.1	1.5	1.1	1.2
9	0.7	0.5	0.6	0.8	0.6	0.6	1.6	0.9	1.1	1.4	1.1	1.2
10	0.7	0.5	0.6	1.0	0.5	0.6	1.7	1.0	1.2	2.0	1.1	1.2
11	0.9	0.5	0.6	0.7	0.5	0.6	1.6	1.1	1.2	1.3	1.1	1.2
12	0.7	0.5	0.5	0.8	0.5	0.6	1.6	1.1	1.2	1.6	1.0	1.2
13	0.6	0.4	0.5	1.4	0.5	0.6	1.6	1.0	1.3	1.3	1.0	1.1
14	0.7	0.4	0.5	0.9	0.6	0.6	1.6	1.1	1.2	1.6	1.1	1.4
15	0.6	0.4	0.5	0.8	0.5	0.6	1.4	1.1	1.2	1.6	1.2	1.3
16	0.5	0.4	0.5	0.8	0.5	0.6	1.6	1.1	1.3	1.3	1.0	1.1
17	0.6	0.4	0.5	0.7	0.5	0.6	1.5	1.2	1.3	1.5	1.1	1.2
18	0.6	0.3	0.4	0.9	0.6	0.6	---	---	1.4	2.3	1.0	1.2
19	0.6	0.3	0.4	0.8	0.6	0.7	1.8	1.3	1.5	1.4	1.0	1.1
20	0.5	0.4	0.4	0.8	0.5	0.6	1.8	1.4	1.5	1.3	1.0	1.1
21	0.6	0.4	0.5	0.8	0.5	0.6	1.8	1.3	1.4	1.7	1.0	1.2
22	2.2	0.4	1.4	0.9	0.6	0.7	2.2	1.3	1.5	1.2	0.9	1.1
23	1.9	1.1	1.5	0.9	0.6	0.7	2.0	1.3	1.4	1.1	1.0	1.0
24	1.2	0.9	1.0	0.9	0.6	0.8	1.7	1.3	1.4	1.5	1.0	1.0
25	1.0	0.7	0.8	1.2	0.6	0.8	1.7	1.3	1.4	1.2	0.9	1.0
26	0.9	0.7	0.8	1.0	0.7	0.8	1.7	1.3	1.4	1.1	0.9	1.0
27	1.0	0.6	0.7	1.3	0.8	0.8	1.5	1.2	1.3	1.2	1.0	1.0
28	0.9	0.6	0.7	1.1	0.8	0.9	1.5	1.2	1.4	1.2	1.0	1.1
29	0.8	0.6	0.7	1.4	0.7	0.9	1.7	1.3	1.4	1.3	1.0	1.1
30	0.8	0.6	0.7	1.0	0.7	0.8	1.6	1.2	1.4	1.3	1.0	1.1
31	---	---	---	1.0	0.8	0.9	1.8	1.3	1.4	---	---	---
Month	---	---	0.7	1.5	0.5	0.7	---	---	1.3	2.3	0.9	1.2

08155500 Barton Springs at Austin, TX—Continued