Water-Data Report 2012

301500097424801 Town (Lady Bird) Lake Site AC at Austin, TX

Middle Colorado-Llano Basin
Austin-Travis Lakes Subbasin

LOCATION.--Lat 30°15'01.5", long 97°42'49.8" referenced to North American Datum of 1983, Travis County, TX, Hydrologic Unit 12090205.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
CHEMICAL DATA: Feb. 1975 to Dec. 2001, Oct. 2004 to current year.
BIOCHEMICAL DATA: Feb. 1975 to Dec. 2001, Oct. 2004 to current year.
BIOLOGICAL DATA: Feb. 1975 to Dec. 2001, Oct. 2004 to current year.
RADIOCHEMICAL DATA: July 1980 to May 1981.
PESTICIDE DATA: Feb. 1975 to July 1988, Feb. 1991 to July 2000.
SEDIMENT DATA: Aug. 1992 to June 2001.
SEDIMENT CHEMISTRY DATA: Mar. 1987 to July 1988, Feb. 1991 to June 2001.

REMARKS.--Prior to the 2006 Water Year, water-quality data published with 08157900, Town Lake at Austin, TX.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 1 of 5

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; P, phosphorus; ft, feet; m, meters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °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)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, laboratory, µS/cm at 25°C (90095)
03-20-2012	**1045**	Surface water	Regular	746	19.6	14.3	156	7.7	450
05-07-2012	**0915**	Surface water	Regular	748	24.1	8.7	108	8.0	558

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 2 of 5

[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; P, phosphorus; ft, feet; m, meters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Temperature, water, °C (00010)	Transparency, water, in situ, Secchi disc, feet (49701)	Transparency, water, in situ, Secchi disc, m (00078)	Sampling depth, ft (00003)	Chemical oxygen demand, high level, water, unfiltered, milligrams per liter (00340)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)	Dissolved solids, water, filtered, tons per acre-foot (70303)	Suspended solids, water, unfiltered, mg/L (00530)
03-20-2012	**1045**	423	18.8	0.70	0.21	1.00	10	302	0.41	79
05-07-2012	**0915**	559	25.7	5.1	1.55	1.00	< 10	325	.44	< 15

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 301500097424801, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/301500097424801.2012.pdf

301500097424801 Town (Lady Bird) Lake Site AC at Austin, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 3 of 5
[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; P, phosphorus; ft, feet; m, meters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	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)	Carbon dioxide, water, unfiltered, mg/L (00405)	Carbonate, water, filtered, inflection-point incremental titration method, field, mg/L (00452)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	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)
03-20-2012	**1045**	176	214	6.5	< 1.0	0.66	0.140	0.11	0.99
05-07-2012	**0915**	196	237	4.0	< 1.0	.43	< .026	< .02	.41

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 4 of 5
[%, percent; $CaCO_3$, calcium carbonate; N, nitrogen; P, phosphorus; ft, feet; m, meters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Nitrate, water, filtered, mg/L (71851)	Nitrate, water, filtered, mg/L as N (00618)	Nitrite, water, filtered, mg/L (71856)	Nitrite, water, filtered, mg/L as N (00613)	Organic nitrogen, water, unfiltered, mg/L (00605)	Orthophos-phate, water, filtered, mg/L (00660)	Orthophos-phate, water, filtered, mg/L as P (00671)	Phos-phorus, water, filtered, mg/L as P (00666)
03-20-2012	**1045**	4.26	0.963	0.075	0.023	0.55	0.048	0.016	0.02
05-07-2012	**0915**	1.78	.402	.032	.010	< .43	< .012	< .004	< .02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 5 of 5
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Date	Sample start time	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, unfiltered, mg/L (00600)	Chloro-phyll a, phyto-plankton, chromato-graphic-fluoro-metric method, µg/L (70953)	Pheophytin a, fluorometric method, micrograms per liter (32213)	Copper, water, filtered, µg/L (01040)	Copper, water, unfiltered, recover-able, µg/L (01042)	Iron, water, unfiltered, recover-able, µg/L (01045)	Lead, water, unfiltered, recover-able, µg/L (01051)	Zinc, water, unfiltered, recover-able, µg/L (01092)
03-20-2012	**1045**	0.14	1.6	E 10.0	E 2.90	1.1	2.7	863	3.16	11.4
05-07-2012	**0915**	.02	.84	9.8	2.00	< .80	.77	45.6	.29	< 3.0