Water-Data Report 2006

315706096420201 Navarro Mills Lake Site AR near Dawson, TX

Upper Trinity Basin
Richland Subbasin

LOCATION.--Lat 31°57′06″, long 96°42′02″ referenced to North American Datum of 1927, Navarro County, TX, Hydrologic Unit 12030108.

WATER-QUALITY RECORDS

REMARKS.--The following sites were sampled as part of the Toxic Algae Project, a regional reservoir survey to evaluate the distribution and abundance of bloom forming algae.

Agency Code	Site Number	Station Name
USGS	315642096444401	Navarro Mills Lake Site CC near Dawson, TX
USGS	323735097274701	Benbrook Lake Site BC near Benbrook, TX
USGS	315706096420201	Navarro Mills Lake Site AR near Dawson, TX
USGS	310129097315901	Stillhouse Hollow Lake Site AC near Belton, TX
USGS	321704096393501	Bardwell Lake Site BC near Bardwell, TX
USGS	321506096382601	Bardwell Lake Site AC near Bardwell, TX
USGS	323908097273401	Benbrook Lake Site AL near Benbrook, TX
USGS	310128097353601	Stillhouse Hollow Lake Site CC near Belton, TX
USGS	315722097240201	Lake Whitney Site DC near Whitney, TX
USGS	301908096313101	Somerville Lake Site AC near Somerville, TX
USGS	295516095080801	Lake Houston Site AC near Houston, TX
USGS	304132097200801	Granger Lake Site AC near Granger, TX
USGS	324518094300801	Lake O' the Pines Site AC near Jefferson, TX
USGS	321113096041201	Cedar Creek Reservoir Site AC near Trinidad, TX
USGS	324929096305601	Lake Ray Hubbard PS Site near Forney, TX
USGS	332138097024101	Ray Roberts Lake Site AC near Pilot Point, TX
USGS	330419096575401	Lewisville Lake Site AC near Lewisville, TX
USGS	325822097030401	Grapevine Lake Site AC near Grapevine, TX
USGS	301739097471201	Lake Austin Site AC at Austin, TX
USGS	302329097542100	Lake Travis at Mansfield Dam near Lakeway, TX
USGS	310640097283701	Belton Lake Site AC near Belton, TX
USGS	322227097412101	Lake Granbury Site AC near Granbury, TX
USGS	334520099092101	Lake Kemp Site AC near Mabelle, TX
USGS	315335100312401	E. V. Spence Reservoir Site AC near Robert Lee, TX
USGS	324253097121801	Lake Arlington Site BC at Arlington, TX
USGS	315807096054899	Richland-Chambers Reservoir at dam near Kerens, TX
USGS	293225098560600	Medina Lake Site AC near San Antonio, TX
USGS	325218098254101	Possum Kingdom Lake Site AC near Graford, TX
USGS	323632099410401	Fort Phantom Hill Reservoir PS Site near Nugent, TX

315706096420201 Navarro Mills Lake Site AR near Dawson, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 3

[Remark codes: <, less than; E, estimated. Value qualifier codes: *, sample was warm when received; e, see field comment; i, result may be affected by interference. Null value qualifier codes: e, required equipment not functional/avail.]

Date	Time	DepthTo bottom at sample loca-tion, feet (81903)	Sam-pling depth, meters (00098)	Trans-parency water unfltrd secchi disc feet (49701)	Turb-idity, IR LED light, mult. detect, FNMU (63684)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, unfltrd mg/L as N (00610)	Nitrite + nitrate water unfltrd mg/L as N (00630)
Jun													
13...	0900	18.0	1.0	1.7	10	8.3	--	8.6	341	28.4	.620	.02300	<.0020
13...	0902	--	2.0	--	10	8.1	--	8.6	340	28.3	--	--	--
13...	0903	--	3.0	--	13	7.6	--	8.6	342	28.2	--	--	--
13...	0904	--	4.0	--	38	4.7	--	8.3	349	27.8	--	--	--
13...	0905	--	5.0	--	68	E.7	--	8.1	364	26.9	--	--	--
Jul													
24...	1430	17.0	1.0	2.0	11	4.6	63	7.9	339	29.4	E1.1e	.06100ie	<.0020
24...	1431	--	2.0	--	9.6	4.3	59	7.9	339	29.2	--	--	--
24...	1432	--	3.0	--	13	4.2	54	7.9	340	28.9	--	--	--
24...	1433	--	4.0	--	26	2.7	40	7.8	342	28.8	--	--	--
24...	1434	--	5.0	--	77	E.4	E4	8.0	362	28.4	--	--	--
Sep													
06...	1200	17.8	1.0	1.0	27	6.3	79	8.2	349	26.3	.720	.08900	.0200
06...	1201	--	2.0	--	30	5.9	73	8.1	349	26.3	--	--	--
06...	1202	--	3.0	--	30	5.3	66	8.0	349	26.2	--	--	--
06...	1203	--	4.0	--	37	4.0	50	7.9	351	26.1	--	--	--
06...	1204	--	5.0	--	--e	3.0	36	7.8	353	26.0	--	--	--

315706096420201 Navarro Mills Lake Site AR near Dawson, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 2 of 3

[Remark codes: <, less than; E, estimated. Value qualifier codes: *, sample was warm when received; e, see field comment; i, result may be affected by interference. Null value qualifier codes: e, required equipment not functional/avail.]

Date	Organic nitrogen, water, unfltrd mg/L (00605)	Particulate nitrogen, susp, water, mg/L (49570)	Total nitrogen, water, unfltrd mg/L (00600)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Chlorophyll a phytoplankton, acid m, ug/L (32211)	Pheophytin a, phytoplankton, acid m, ug/L (32218)	2Methyl-isoborneol water fltrd 0.7u GF ug/L (62749)	Geosmin water, fltrd 0.7u GF ug/L (62719)
Jun													
13...	.60	E.17*	.62	--	<.00200	E.04500e	E1.6*	4.1	4.1	E10.0*	E1.40*	<.005	.005
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jul													
24...	--	--	1.1	--	<.00200	.02400	--	4.3	4.3	E2.10*	<3.00*	<.005	<.005
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep													
06...	.63	E.42*	.74	.008	.00270	.03000	E2.5*	4.6	4.0	--	--	--	<.005
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
06...	--	--	--	--	--	--	--	--	--	--	--	--	--

315706096420201 Navarro Mills Lake Site AR near Dawson, TX—Continued

WATER-QUALITY DATA WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 3

[Remark codes: <, less than; E, estimated. Value qualifier codes: *, sample was warm when received; e, see field comment; i, result may be affected by interference. Null value qualifier codes: e, required equipment not functional/avail.]

Date	Environ micro-cystin, wat unf unextr, ELISA, ug/L (65209)
Jun	
13...	<.1
13...	--
13...	--
13...	--
13...	--
Jul	
24...	<.1
24...	--
24...	--
24...	--
24...	--
Sep	
06...	<.005
06...	--
06...	--
06...	--
06...	--