473534101150600 LAKE AUDUBON NR REFUGE LINE NO. 2 BUOY FROM HWY83

Lake Sakakawea Basin
Lake Sakakawea Subbasin

LOCATION.--Lat 47°35′34″, long 101°15′06″ referenced to North American Datum of 1983, McLean County, ND, Hydrologic Unit 10110101.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 2006 to current year.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 1 of 3

[Remark codes: <, less than; E, estimated. Value qualifier codes: @, holding time exceeded; c, see laboratory comment; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL.]

Date	Time	Depth to bottom of samplng intrval meters (82048)	Depth to top of samplng intrval meters (82047)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf lab, µS/cm 25 degC (90095)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium frac-tion of cations percent (00932)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)
Oct													
25...	1030	1.0	1.0	8.6	1,010	280	43.8	40.5	6.53	3.1	48	120	226@c
25...	1035	5.6	2.8	--	--	--	--	--	--	--	--	--	--
25...	1040	10.3	10.3	8.6	1,010	280	44.2	40.2	6.50	3.2	48	120	226@c

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 3

[Remark codes: <, less than; E, estimated. Value qualifier codes: @, holding time exceeded; c, see laboratory comment; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL.]

Date	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Chloro-phyll a phyto-plank-ton, fluoro, µg/L (70953)
Oct													
25...	14.0	.73	3.26	282	646	649	.46	<.020	<.06	<.002	E.003n	<.04	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	3.7
25...	13.8	.74	3.25	281	645	656	.49	<.020	<.06	<.004d	<.006	<.04	--

473534101150600 LAKE AUDUBON NR REFUGE LINE NO. 2 BUOY FROM HWY83—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
Part 3 of 3
[Remark codes: <, less than; E, estimated. Value qualifier codes: @, holding time exceeded; c, see laboratory comment; d, diluted sample: method hi range exceeded; n, below the LRL and above the LT-MDL.]

Date	Pheophytin a, phytoplankton, µg/L (62360)	Iron, water, fltrd, µg/L (01046)	Manganese, water, fltrd, µg/L (01056)
Oct			
25...	--	<6	.8
25...	.9	--	--
25...	--	<6	.7

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
[Remark codes: <, less than.]

Date	Time	Elevation, feet above NGVD (72020)	Sampling depth, meters (00098)	Transparency Secchi disc, meters (00078)	Wind direction, clkwise from north, degrees (00036)	Wind speed, mph (00035)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf µS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
Oct													
25...	1015	1,845.24	.00	2.80	90	<5.0	705	11.4	98	8.3	971	1.0	5.3
25...	1016	--	1.0	--	--	--	--	11.4	--	8.4	970	--	5.3
25...	1017	--	2.3	--	--	--	--	11.4	--	8.4	971	--	5.2
25...	1018	--	3.5	--	--	--	--	11.4	--	8.4	971	--	5.2
25...	1019	--	4.7	--	--	--	--	11.4	--	8.4	971	--	5.3
25...	1020	--	5.9	--	--	--	--	11.4	--	8.4	972	--	5.3
25...	1021	--	2.0	--	--	--	--	11.4	--	8.4	972	--	5.2
25...	1022	--	8.3	--	--	--	--	11.5	--	8.4	972	--	5.2
25...	1023	--	9.5	--	--	--	--	11.4	--	8.4	972	--	5.2
25...	1024	--	10.6	--	--	--	--	11.5	--	8.4	972	--	5.2
25...	1025	--	11.3	--	--	--	--	11.4	--	8.4	972	--	5.2