LAKE: JIMMY P (VLMP CWD)
TOWN: LITCHFIELD
COUNTY: KENNEBEC

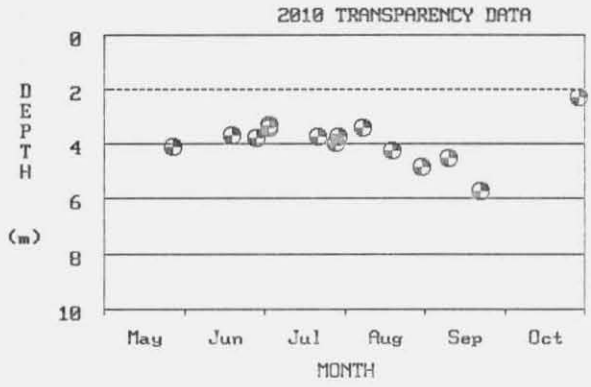
MIDAS: 5244
TRUE BASIN: 1
SAMPLE STATION: 1

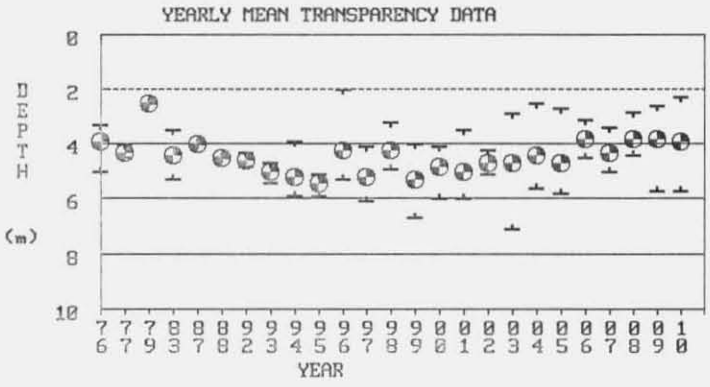
WHOLE LAKE INFORMATION
MAX. DEPTH: 10 m. (32 ft.)
MEAN DEPTH: 4 m. (14 ft.)
DELORME ATLAS #: 12
USGS QUAD: PURGATORY
IFW REGION B: Belgrade Lakes (Augusta)
IFW FISH. MANAGMENT: Warmwater

TRUE BASIN CHARACTERISTICS
SURFACE AREA: 19.0 ha. (46.9 a.)
FLUSHING RATE: 14.18 flushes/yr.
VOLUME: 740251.1 cu. m. (600 ac.-ft.)
DIRECT DRAINAGE AREA: 20.44 sq. km. (7.89 sq. mi.)

PLEASE NOTE THE FOLLOWING: The SAMPLE STATION # refers to the location sampled. The term TRUE BASIN is used to define areas within a lake that are separated by shallow reefs or shoals and therefore function as separate lakes. There are approximately 50 lakes in the state that have more than 1 True Basin. True Basin Characteristics are now being included in the first section of these reports to enable users of the Phosphorous Loading Methodology to better evaluate the data. If there is no data for a particular True Basin, True Basin Characteristics must be obtained from the DEP. JIMMY P has 1 True Basin(s).

SECCHI DISK TRANSPARENCY GRAPHS:





Note: 2010 graphs may indicate multiple readings taken on a given day.

SUMMARY OF CHEMICAL AND TROPHIC STATE PARAMETERS:

[* indicates that Secchi disk was visable at bottom of lake (or one reading used in calculation was visable)].

	MEAN COLOR (SPU)	MEAN pH	MEAN ALK (mg/l)	MEAN COND. (uS /cm)	TOTAL PHOS. MEANS (ppb) EPI CORE	SURF GRAB	BOT. GRAB	PRO. GRAB	SECCHI DISK (m.) MIN.	MEAN	MAX.	N	CHLOROPHYLL A(ppb) MIN.	MEAN	MAX.	TROPHIC STATE INDICES EPI PHOS C	G	SEC	CHL
YEAR																			
1976	-	-	-	-	9	-	-	-	3.3	3.9	5.0	5	2.4	4.8	6.8	38	-	62	52
1977	-	-	-	-	-	-	-	-	4.0	4.3	4.5	3	-	-	-	-	-	-	-
1978	-	-	-	-	-	3	-	-	-	-	-		-	-	-	-	-	-	-
1979	-	6.30	-	-	36	-	-	-	2.5	2.5	2.5	1	0.6	0.6	0.6	-	-	-	-
1983	25	7.50	19.5	-	19	-	21	-	3.5	4.4	5.3	5	2.0	2.0	2.0	-	-	55	-
1987	-	-	-	-	-	-	-	-	4.0	4.0	4.0	1	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	4.5	4.5	4.5	1	-	-	-	-	-	-	-
1992	-	-	20.0	-	-	-	-	-	4.3	4.6	4.8	2	4.1	4.1	4.1	-	-	-	-
1993	-	6.94	17.1	-	9	-	-	-	4.7	5.0	5.4	5	2.4	3.5	4.6	40	-	48	44
1994	22	-	-	-	-	-	-	-	3.9	5.2	5.9	5	-	-	-	-	-	46	-
1995	-	6.77	21.0	-	11	-	-	-	5.1	5.4	5.9	5	-	-	-	45	-	44	-
1996	-	-	-	-	-	-	-	-	2.0	4.2	5.3	5	-	-	-	-	-	58	-
1997	-	-	-	-	-	-	-	-	4.1	5.2	6.1	5	-	-	-	-	-	46	-
1998	-	6.76	15.8	-	13	-	-	-	3.2	4.2	4.9	6	2.2	4.8	9.6	48	-	58	52
1999	-	-	-	-	-	-	-	-	4.0	5.3	6.7	6	-	-	-	-	-	45	-

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SUMMARY OF CHEMICAL AND TROPHIC STATE PARAMETERS:

	MEAN COLOR	MEAN pH	MEAN ALK	MEAN COND.	TOTAL PHOS. MEANS (ppb)				SECCHI DISK (m.)				CHLOROPHYLL A(ppb)			TROPHIC STATE INDICES EPI PHOS			
YEAR	(SPU)		(mg/l)	(uS /cm)	EPI CORE	SURF GRAB	BOT. GRAB	PRO. GRAB	MIN.	MEAN	MAX.	N	MIN.	MEAN	MAX.	C	G	SEC	CHL
2000	-	-	-	-	-	-	-	-	4.1	4.8	6.0	6	-	-	-	-	-	50	-
2001	-	6.98	15.9	-	9	-	-	-	3.5	5.0	6.0	6	1.2	4.9	8.9	40	-	48	52
2002	-	-	-	-	-	-	-	-	4.2	4.7	5.1	6	-	-	-	-	-	52	-
2003	26	6.60	17.9	-	14	-	-	-	2.9	4.7	7.1	6	7.1	7.1	7.1	-	-	52	-
2004	11	6.92	16.4	-	10	-	-	-	2.5	4.4	5.6	6	5.4	8.6	12.3	42	-	55	68
2005	-	-	-	-	-	-	-	-	2.7	4.7	5.8	6	-	-	-	-	-	52	-
2006	38	7.55	23.4	142	11	-	-	-	3.1	3.8	4.5	5	-	-	-	-	-	63	-
2007	-	7.06	19.3	-	10	-	-	-	3.4	4.3	5.0	5	1.6	6.5	11.0	42	-	56	60
2008	-	-	-	-	-	-	-	-	2.8	3.8	4.4	6	-	-	-	-	-	63	-
2009	-	-	20.8	-	-	-	-	-	2.6	3.8	5.7	5	-	-	-	-	-	63	-
2010	-	-	22.8	-	12	-	-	-	2.3	3.9	5.7	6	1.4	4.8	11.0	48	-	62	52
SUMMARY:	24	6.80	19.1	142	14	3	21	-	2.0	4.4	7.1	25	0.6	4.7	12.3	43	-	54	54

LATE SUMMER TEMPERATURE / DISSOLVED OXYGEN PROFILES:

	SAMPLE DATE															
DEPTH	08/06/07		09/14/07		08/12/08		09/16/08		08/03/09		09/08/09		08/18/10		09/21/10	
m	°C	ppm	°C	ppm	°C	ppm	°C	ppm	°C	ppm	°C	ppm	°C	ppm	°C	ppm
0.0	26.1	7.6	19.8	8.3	18.3	9.0	19.3	8.3	22.9	8.7	21.8	10.2	24.6	8.1	18.2	9.0
1.0	26.1	7.5	19.4	8.3	18.2	8.9	19.2	8.2	22.5	8.8	20.9	10.3	24.4	8.2	18.0	8.9
2.0	25.9	7.5	19.3	8.1	17.5	7.8	18.2	6.9	18.4	8.9	19.4	10.1	23.5	8.2	17.9	8.8
3.0	22.9	10.8	19.2	8.0	16.7	6.5	17.0	5.8	16.6	5.5	17.1	4.0	21.8	3.6	17.8	8.8
4.0	17.0	12.0	18.9	7.2	16.1	5.8	16.2	4.7	15.1	4.8	16.4	3.4	17.2	0.3	16.7	5.8
5.0	12.2	2.6	15.5	0.4	15.2	4.5	15.3	3.3	13.8	2.6	14.0	0.3	12.8	0.2	14.8	3.0
6.0	8.9	0.3	10.8	0.3	13.3	2.3	12.8	0.2	11.7	0.8	11.7	0.2	10.0	0.2	12.3	0.3
7.0	7.5	0.3	8.4	0.2	10.3	0.5	10.0	0.2	9.8	0.2	9.6	0.2	8.6	0.2	9.3	0.2
8.0	6.8	0.2	7.5	0.2	7.9	0.4	8.8	0.2	8.4	0.2	9.0	0.2	7.9	0.2	8.2	0.2
9.0	6.5	0.2	7.2	0.2	7.3	0.3	8.3	0.1	7.9	0.2	8.4	0.2	7.7	0.2	7.9	0.2
10.0	6.3	0.2	6.8	0.2	-	-	-	-	7.6	0.2	8.3	0.2	7.4	0.2	7.6	0.2

WATER QUALITY SUMMARY

JIMMY POND, LITCHFIELD
Midas: 5244, Basin: Primary

The Cobbossee Watershed District in conjunction with the Maine Department of Environmental Protection (ME-DEP) and the Volunteer Lake Monitoring Program (VLMP) have collaborated in the collection of lake data to evaluate present water quality, track algae blooms, and determine water quality trends. This dataset does not include bacteria, mercury, or nutrients other than phosphorus.

Water quality monitoring data for Jimmy Pond has been collected since 1976. During this period, eight years of basic chemical information was collected, in addition to Secchi Disk Transparencies (SDT). In summary, the water quality of Jimmy Pond is considered to be slightly below average, based on measures of SDT, total phosphorus (TP), and Chlorophyll-a (Chla). The potential for nuisance alga blooms on Jimmy Pond is moderate.

Water Quality Measures: Jimmy Pond is a non-colored lake (average color 23 SPU) with an average SDT of 4.6m (15.1 ft). The range of water column TP for Jimmy Pond is 9-36 parts per billion (ppb) with an average of 14 ppb, while Chla ranges from 2.0-12.3 ppb with an average of 4.5 ppb. Recent dissolved oxygen (DO) profiles show high DO depletion in deep areas of the lake. The potential for TP to leave the bottom sediments and become available to algae in the water column (internal loading) is moderate.

Jimmy Pond is managed for warm-water fish.

See ME-DEP Explanation of Lake Water Quality Monitoring Report for measured variable explanations. Additional lake information can be found on the Internet at http://www.lakesofmaine.org/ and/or http://www.maine.gov/dep/blwq/lake.htm, or telephone the ME-DEP at 207-287-3901 or the VLMP at 207-783-7733.

Filename: jimm5244, Revised: 3/06, By: jm