

LAKE: CARRY P (WEST) (VLMP 25 )  
 TOWN: CARRYING PLC TWN TWP  
 COUNTY: SOMERSET

MIDAS: 48  
 TRUE BASIN: 1  
 SAMPLE STATION: 1

WHOLE LAKE INFORMATION

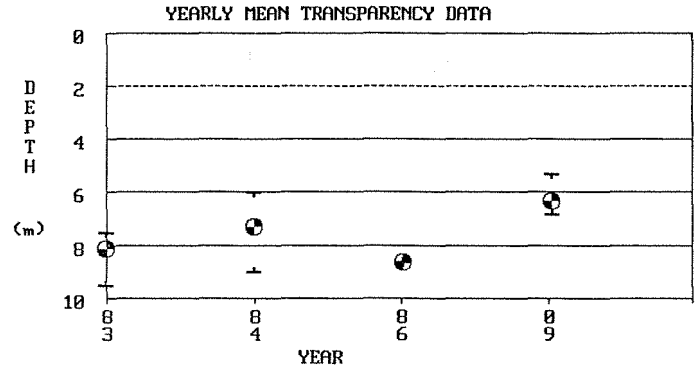
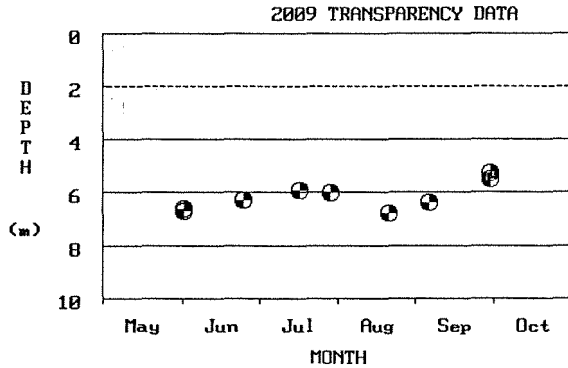
MAX. DEPTH: 29 m. (96 ft.)  
 MEAN DEPTH: 11 m. (37 ft.)  
 DELORME ATLAS #: 30  
 USGS QUAD: EAST CARRY POND  
 IFW REGION D: Rangeley Lakes (Strong)  
 IFW FISH. MANAGEMENT: Coldwater

TRUE BASIN CHARACTERISTICS

SURFACE AREA: 288.0 ha. (711.6 a.)  
 FLUSHING RATE: 0.21 flushes/yr.  
 VOLUME: 31766491.3 cu. m. (25769 ac.-ft.)  
 DIRECT DRAINAGE AREA: 10.02 sq. km. (3.87 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. CARRY P (WEST) has 1 True Basin(s).

**SECCHI DISK TRANSPARENCY GRAPHS:**



Note: 2009 graphs may indicate multiple readings taken on a given day.

**SUMMARY OF CHEMICAL AND TROPHIC STATE PARAMETERS:**

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

YEAR	MEAN COLOR (SPU)	MEAN pH	MEAN ALK (mg/l)	MEAN COND. (uS /cm)	TOTAL PHOS. MEANS (ppb)				SECCHI DISK (m.)				CHLOROPHYLL A (ppb)				TROPHIC STATE INDICES			
					EPI	SURF	BOT.	PRO.	MIN.	MEAN	MAX.	N	MIN.	MEAN	MAX.	C	G	SEC	CHL	
1983	10	6.80	17.0	-	7	-	-	-	7.5	8.1	9.5	4	2.0	2.0	2.0	-	-	-	-	
1984	-	-	-	-	-	-	-	-	6.0	7.3	9.0	4	-	-	-	-	-	-	-	
1986	12	6.40	5.0	19	5	-	4	-	8.6	8.6	8.6	1	-	-	-	-	-	-	-	
2009	-	-	-	-	-	-	-	-	5.3	6.3	6.8	5	-	-	-	-	-	37	-	
SUMMARY:	11	6.56	11.0	19	6	-	4	-	5.3	7.6	9.5	4	2.0	2.0	2.0	-	-	37	-	

**LATE SUMMER TEMPERATURE / DISSOLVED OXYGEN PROFILES:**

DEPTH (m)	SAMPLE DATE			
	08/15/83		08/14/86	
	°C	ppm	°C	ppm
0.0	20.0	8.3	21.5	9.8
2.0	20.0	8.4	20.7	9.3
4.0	10.0	8.4	20.5	9.2
6.0	20.0	8.4	20.0	9.3

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DEPTH	SAMPLE DATE			
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<u>m</u>	<u>°C</u>	<u>ppm</u>	<u>°C</u>	<u>ppm</u>
7.0	-	-	19.8	9.2
8.0	20.0	8.4	18.7	9.0
9.0	15.8	7.5	17.3	8.7
10.0	15.0	7.6	16.2	8.6
12.0	11.0	7.9	15.1	8.3
14.0	9.0	7.8	14.0	8.1
16.0	8.5	7.7	12.8	7.9
18.0	-	-	9.1	7.7
20.0	8.0	7.5	8.4	7.6
22.0	-	-	8.2	7.5
24.0	8.0	7.1	8.0	7.3
26.0	-	-	8.0	7.1
27.0	8.0	6.9	7.9	6.8

## WATER QUALITY SUMMARY

### WEST CARRY POND, CARRYING PLACE TOWNSHIP

Midas: 48, Sample Station # 1

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 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 datasets for West Carry Pond have been collected sporadically since 1983. During this period, 2 years of basic chemical information was collected in addition to Secchi Disk Transparencies (SDT). In summary, the water quality of West Carry Pond is considered to be above average based on measures of SDT and total phosphorus (TP). The potential for nuisance algal blooms on West Carry Pond is low.

Water Quality Measures: West Carry Pond is a non colored lake (average color 11 SPU) with an average SDT of 7.6m (25ft). The water column TP for West Carry Pond is 6 parts per billion (ppb), while Chla levels are around 2.0 ppb. Recent dissolved oxygen (DO) profiles show no depletion in the deep areas of the pond. The potential for TP to leave the bottom sediments and become available to algae in the water column (internal loading) is low. Oxygen levels below 5 parts per million stress certain cold water fish and a persistent loss of oxygen may eliminate or reduce habitat for sensitive cold water species.

See ME-DEP DATA Explanation for the measured variable explanations. Additional lake information can be found on the Internet at [www.pearl.maine.edu](http://www.pearl.maine.edu) and/or [www.maine.gov/dep/blwq/lake.htm](http://www.maine.gov/dep/blwq/lake.htm), or contact ME-DEP at 207-287-3901 or VLMP at 207-783-7733.

Filename:carr 48, Revised: 3/09  
, By: jp