

LAKE: ROACH P (FIRST) (VLMP 21) MIDAS: 436
 TOWN: FRENCHTOWN TWP TRUE BASIN: 1
 COUNTY: PISCATAQUIS SAMPLE STATION: 1

WHOLE LAKE INFORMATION

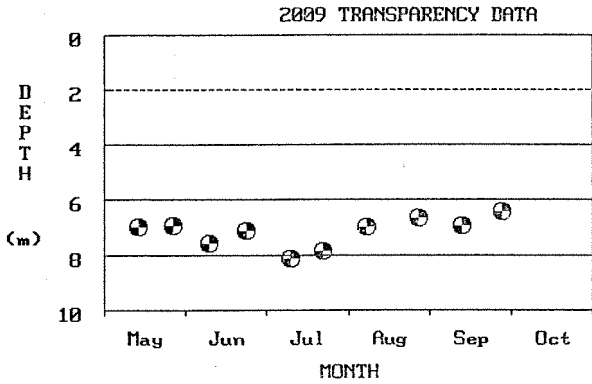
MAX. DEPTH: 37 m. (123 ft.)
 MEAN DEPTH: 19 m. (61 ft.)
 DELORME ATLAS #: 41
 USGS QUAD: FARRAR MOUNTAIN
 IFW REGION E: Moosehead Lake (Greenville)
 IFW FISH. MANAGMENT: Coldwater

TRUE BASIN CHARACTERISTICS

SURFACE AREA: 1289.0 ha. (3185.1 a.)
 FLUSHING RATE: 0.50 flushes/yr.
 VOLUME: 217596560.0 cu. m. (176513 ac.-ft.)
 DIRECT DRAINAGE AREA: 75.26 sq. km. (29.06 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. ROACH P (FIRST) has 1 True Basin(s).

SECCHI DISK TRANSPARENCY GRAPHS:



LAKE: ROACH P (FIRST) (VLMP 21)
TOWN: FRENCHTOWN TWP
COUNTY: PISCATAQUIS

MIDAS: 436
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LATE SUMMER TEMPERATURE / DISSOLVED OXYGEN PROFILES:

SAMPLE DATE		
DEPTH	09/19/89	
m	°C	ppm
5.0	16.0	9.2
6.0	16.0	9.2
7.0	16.0	9.2
8.0	15.9	9.1
9.0	15.9	9.0
10.0	15.9	9.0
11.0	15.6	8.6
12.0	15.0	8.3
13.0	14.6	8.1
14.0	14.2	8.0
15.0	14.1	7.9
17.0	11.8	7.4
19.0	10.0	7.2
21.0	8.8	6.7
23.0	8.4	6.7
25.0	7.2	6.5
30.0	8.0	6.2

LAKE: ROACH P (FIRST) (VLMP 21)
 TOWN: FRENCHTOWN TWP
 COUNTY: PISCATAQUIS

MIDAS: 436
 TRUE BASIN: 1
 SAMPLE STATION: 2

WHOLE LAKE INFORMATION

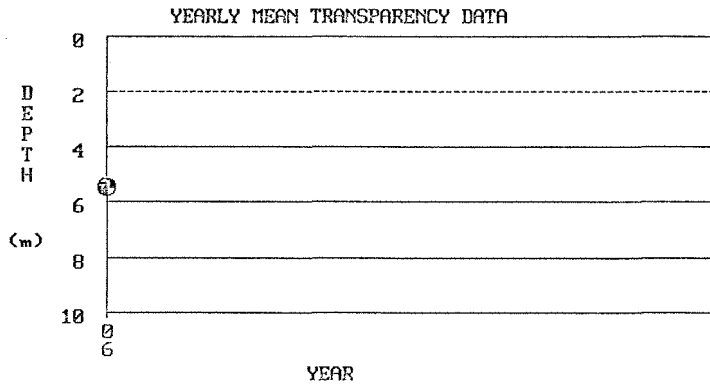
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 MEAN DEPTH: 19 m. (61 ft.)
 DELORME ATLAS #: 41
 USGS QUAD: FARRAR MOUNTAIN
 IFW REGION E: Moosehead Lake (Greenville)
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SECCHI DISK TRANSPARENCY GRAPH:



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)].

YEAR	MEAN	MEAN	MEAN	MEAN	TOTAL PHOS. MEANS (ppb)				SECCHI DISK (m.)				CHLOROPHYLL A(ppb)			TROPIC STATE INDICES			
	COLOR	pH	ALK	COND.	EPI	SURF	BOT.	PRO.	MIN.	MEAN	MAX.	N	MIN.	MEAN	MAX.	C	G	SEC	CHL
	(SPU)		(mg/l)	(uS	/cm)	CORE	GRAB	GRAB	GRAB										
2006	25	6.97	6.0	21	7	-	-	-	5.3	5.4	5.4	1	2.6	2.6	2.6	-	-	-	-
SUMMARY:	25	6.97	6.0	21	7	-	-	-	5.3	5.4	5.4	1	2.6	2.6	2.6	-	-	-	-

LATE SUMMER TEMPERATURE / DISSOLVED OXYGEN PROFILES:

SAMPLE DATE		
DEPTH	08/30/06	
m	°C	DDM
0.0	18.5	9.3
1.0	18.5	9.3
2.0	18.5	9.3
3.0	18.5	9.3
4.0	18.4	9.3
5.0	18.4	9.2
6.0	18.4	9.3

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SAMPLE DATE		
DEPTH	08/30/06	
<u>m</u>	<u>°C</u>	<u>ppm</u>
7.0	18.3	9.3
8.0	18.2	9.2
9.0	16.1	8.0
10.0	13.1	7.6
11.0	11.6	7.8
12.0	11.0	7.8
13.0	10.3	7.8
14.0	9.7	7.9
15.0	9.2	8.0
16.0	9.1	7.9
17.0	9.0	7.8
18.0	8.8	7.5
19.0	8.8	7.5