

LAKE: BEAVER DAM/BEAR BK P (VLMP ANP)
 TOWN: BAR HARBOR
 COUNTY: HANCOCK

MIDAS: 8567
 TRUE BASIN: 1
 SAMPLE STATION: 1

WHOLE LAKE INFORMATION

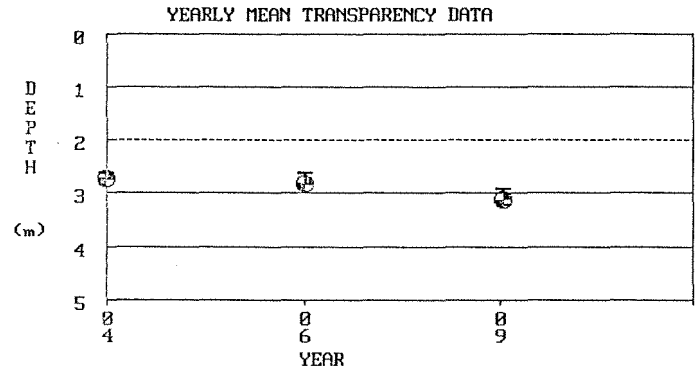
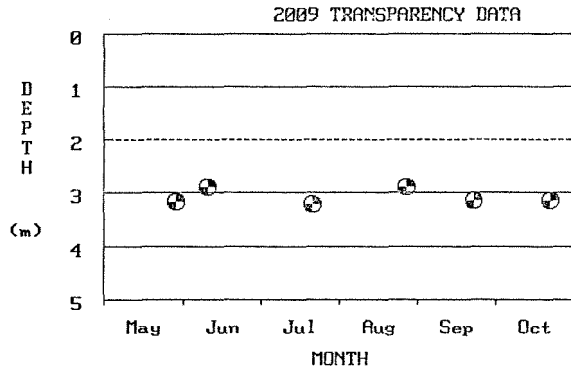
MAX. DEPTH: Undetermined
 MEAN DEPTH: Undetermined
 DELORME ATLAS #: 16
 USGS QUAD: SEAL HARBOR
 IFW REGION C: Grand Lake Stream (Machias)
 IFW FISH. MANAGMENT: None

TRUE BASIN CHARACTERISTICS

SURFACE AREA: 3.2 ha. (7.9 a.)
 FLUSHING RATE: 4.32 flushes/yr.
 VOLUME: 96000.0 cu. m. (78 ac.-ft.)
 DIRECT DRAINAGE AREA: 0.65 sq. km. (0.25 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. BEAVER DAM/BEAR BK P 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 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 (SPU)	pH	ALK (mg/l)	COND. (uS /cm)	EPI	SURF	BOT.	PRO.	MIN.	MEAN	MAX.	N	MIN.	MEAN	MAX.	C	G	SEC	CHL
1994	-	6.56	-	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	15	6.47	5.0	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	25	7.06	7.5	94	-	-	-	-	2.6*	2.7*	2.7*	1	-	-	-	-	-	-	-
2006	-	6.75	-	47	-	11	-	-	2.6*	2.8*	2.8*	6	2.5	2.8	3.0	-	-	-	-
2009	53	6.65	10.0	76	13	12	-	-	2.9*	3.1*	3.2*	6	1.8	4.3	6.4	-	-	-	-
SUMMARY:	31	6.66	7.5	58	13	12	-	-	2.6*	2.9*	3.2*	3	1.8	3.5	6.4	-	-	-	-

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LATE SUMMER TEMPERATURE / DISSOLVED OXYGEN PROFILES:

DEPTH	SAMPLE DATE							
	08/09/06		09/20/06		08/26/09		09/22/09	
<u>m</u>	<u>°C</u>	<u>ppm</u>	<u>°C</u>	<u>ppm</u>	<u>°C</u>	<u>ppm</u>	<u>°C</u>	<u>ppm</u>
0.0	25.5	8.4	19.7	8.3	24.6	7.6	17.8	9.4
1.0	22.9	7.9	19.6	8.2	23.2	6.8	17.8	9.3
2.0	22.3	6.9	19.4	7.8	22.9	5.6	16.1	8.8
3.0	-	-	-	-	20.3	1.3	16.0	0.6

LAKE: BEAVER DAM/BEAR BK P (VLMP ANP)
 TOWN: BAR HARBOR
 COUNTY: HANCOCK

MIDAS: 8567
 TRUE BASIN: 1
 SAMPLE STATION: 2

WHOLE LAKE INFORMATION

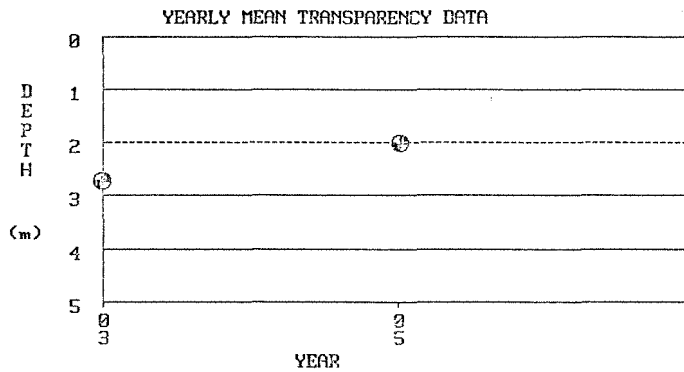
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SECCHI DISK TRANSPARENCY GRAPH:



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	COLOR (SPU)	pH	ALK (mg/l)	COND. (uS /cm)	EPI CORE	SURF GRAB	BOT. GRAB	PRO. GRAB	MIN.	MEAN	MAX.	N	MIN.	MEAN	MAX.	C	G	SEC	CHL
2003	31	6.88	8.6	84	-	-	-	-	2.7*	2.7*	2.7*	1	-	-	-	-	-	-	-
2005	26	6.97	9.3	93	-	-	-	-	2.0*	2.0*	2.0*	1	-	-	-	-	-	-	-
SUMMARY:	29	6.92	9.0	89	-	-	-	-	2.0*	2.4*	2.7*	2	-	-	-	-	-	-	-

LATE SUMMER TEMPERATURE / DISSOLVED OXYGEN PROFILES:

SAMPLE DATE		
DEPTH	08/25/05	
m	°C	ppm
0.0	22.8	7.5
1.0	22.1	7.5
2.0	21.7	7.2