LAKE: SHED P (VLMP CWD)
TOWN: MANCHESTER
COUNTY: KENNEBEC

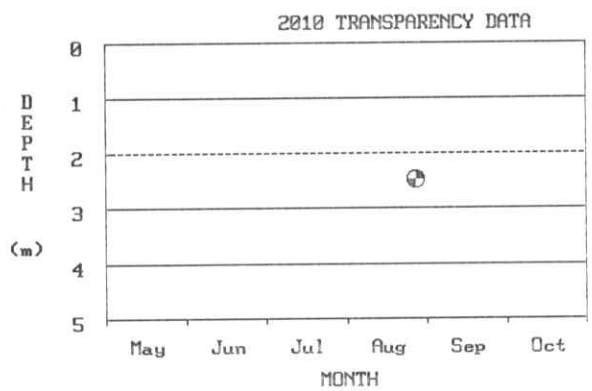
MIDAS: 5300
TRUE BASIN: 1
SAMPLE STATION: 1

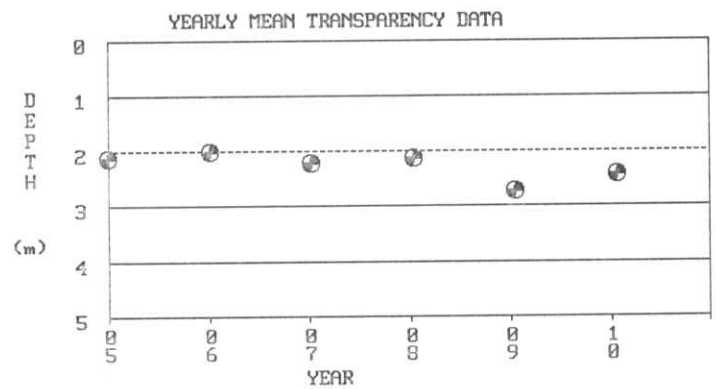
WHOLE LAKE INFORMATION
MAX. DEPTH: 3 m. (10 ft.)
MEAN DEPTH: 2 m. (5 ft.)
DELORME ATLAS #: 12
USGS QUAD: WINTHROP
IFW REGION B: Belgrade Lakes (Augusta)
IFW FISH. MANAGMENT: Warmwater

TRUE BASIN CHARACTERISTICS
SURFACE AREA: 19.0 ha. (46.9 a.)
FLUSHING RATE: 5.36 flushes/yr.
VOLUME: 269617.2 cu. m. (219 ac.-ft.)
DIRECT DRAINAGE AREA: 2.66 sq. km. (1.03 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. SHED 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																			
2005	-	-	11.0	-	19	-	-	-	2.1*	2.1*	2.1*	1	3.5	3.5	3.5	-	-	-	-
2006	56	6.89	14.9	53	20	-	-	-	2.0*	2.0*	2.0*	1	7.4	7.4	7.4	-	-	-	-
2007	-	7.40	15.0	-	21	-	-	-	2.2*	2.2*	2.2*	1	8.9	8.9	8.9	-	-	-	-
2008	-	6.90	15.0	-	-	15	-	-	2.1*	2.1*	2.1*	1	8.6	8.6	8.6	-	-	-	-
2009	-	-	19.0	-	18	-	-	-	2.7*	2.7*	2.7*	1	6.2	6.2	6.2	-	-	-	-
2010	-	-	16.5	-	12	-	-	-	2.4*	2.4*	2.4*	1	4.7	4.7	4.7	-	-	-	-
SUMMARY:	56	7.01	15.2	53	18	15	-	-	2.0*	2.3*	2.7*	6	3.5	6.6	8.9	-	-	-	-

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LATE SUMMER TEMPERATURE / DISSOLVED OXYGEN PROFILES:

	SAMPLE DATE											
DEPTH	09/12/05		08/24/06		08/28/07		08/25/08		08/19/09		08/26/10	
m	°C	ppm	°C	ppm	°C	ppm	°C	ppm	°C	ppm	°C	ppm
0.0	21.0	8.2	22.7	7.8	24.9	9.4	23.0	8.3	28.2	8.2	21.2	8.9
1.0	20.2	8.0	22.2	8.0	24.7	9.4	22.8	8.2	27.4	8.2	20.9	8.9
2.0	20.2	7.8	21.5	7.7	-	-	22.7	7.8	21.9	1.6	19.7	10.2
3.0	-	-	-	-	-	-	-	-	19.9	0.3	20.1	2.7