

LAKE: COCHRANE L (VLMP 03)
 TOWN: NEW LIMERICK
 COUNTY: AROOSTOOK

MIDAS: 1744
 TRUE BASIN: 1
 SAMPLE STATION: 1

WHOLE LAKE INFORMATION

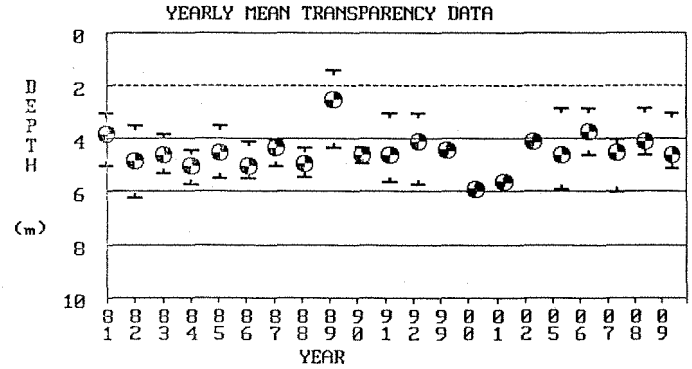
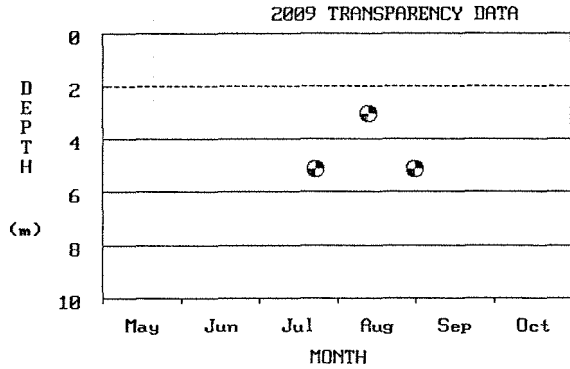
MAX. DEPTH: 10 m. (33 ft.)
 MEAN DEPTH: 4 m. (13 ft.)
 DELORME ATLAS #: 53
 USGS QUAD: LUDLOW
 IFW REGION G: Fish River (Ashland)
 IFW FISH. MANAGMENT: Warmwater & Coldwater

TRUE BASIN CHARACTERISTICS

SURFACE AREA: 35.0 ha. (86.5 a.)
 FLUSHING RATE: 10.57 flushes/yr.
 VOLUME: 1341614.7 cu. m. (1088 ac.-ft.)
 DIRECT DRAINAGE AREA: 25.99 sq. km. (10.03 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. COCHRANE L 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 COLOR	MEAN pH	MEAN ALK	MEAN COND.	TOTAL PHOS. MEANS (ppb)				SECCHI DISK (m.)				CHLOROPHYLL A(ppb)			TROPHIC STATE INDICES			
	(SPU)		(mg/l)	(uS /cm)	EPI CORE	SURF GRAB	BOT. GRAB	PRO. GRAB	MIN.	MEAN	MAX.	N	MIN.	MEAN	MAX.	C	G	SEC	CHL
1981	-	-	-	-	-	-	-	-	3.0	3.8	5.0	4	-	-	-	-	-	-	-
1982	20	7.50	38.0	111	7	-	-	-	3.5	4.8	6.2	6	1.9	1.9	1.9	-	-	50	-
1983	45	-	38.5	-	-	-	-	-	3.8	4.6	5.3	6	1.6	4.0	11.5	-	-	53	47
1984	-	-	-	-	-	-	-	-	4.4*	5.0*	5.7*	6	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	3.5	4.5	5.5	5	-	-	-	-	-	54	-
1986	-	7.10	34.0	10	15	-	13	-	4.1	5.0	5.5	5	2.2	2.2	2.2	-	-	48	-
1987	-	-	-	-	-	-	-	-	4.0	4.3	5.0	5	-	-	-	-	-	56	-
1988	-	-	-	-	-	-	-	-	4.3	4.9	5.4	3	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	1.4	2.5	4.3	6	-	-	-	-	-	87	-
1990	-	-	-	-	-	-	-	-	4.3	4.6	4.9	5	-	-	-	-	-	53	-
1991	-	-	-	-	-	-	-	-	3.0	4.6	5.6	6	-	-	-	-	-	53	-
1992	-	-	-	-	-	-	-	-	3.0	4.1	5.7	6	-	-	-	-	-	59	-
1999	32	-	37.0	106	9	-	15	-	4.4	4.4	4.4	1	5.3	5.3	5.3	-	-	-	-
2000	24	-	54.0	123	8	-	8	-	5.9	5.9	5.9	1	3.7	3.7	3.7	-	-	-	-
2001	21	7.97	40.0	128	6	-	22	-	5.6	5.6	5.6	1	3.6	3.6	3.6	-	-	-	-