

Cognis to Malloy 1/12/93

ENVIRONMENTAL PROTECTION COMMISSION OF HILLSBOROUGH COUNTY

HRS Laboratory Certification #E44057

1900 9th Ave.
Tampa, Fla. 33605
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WATER QUALITY REPORT

sampled by : R.Malloy	collection date 12/28/1993	time 1025	depth	Lab ID No. 312159
sample #	Location: Little Bay Lake			
reason for sampling: Complaint				

Parameter	Unit	Storet	Value	Parameter	Unit	Storet	Value
BOD 5	mg/l	310	4.8	T COLI MF	#/100ml	31501	300
TSS	mg/l	530	-	F COLI MF	#/100ml	31616	190
pH LAB	STD	403	-	F STREP MF	#/100ml	31673	40
TURB	NTU	76	-	FC/FS	#	RATIO	4.75
TURB	JTU	70	-				
COND LAB	umh/cm	95	-				
OIL&GRSE	mg/l	560	-	Ni	ug/l	1067	-
MBAS	mg/l	38260	-	Cd	ug/l	1027	-
TOT P	mg/l	665	.03	Cr	ug/l	1034	-
Ortho P	mg/l	666	-	Pb	ug/l	1051	-
KJEL N	mg/l	625	1.20	Fe	ug/l	1045	-
NH3N	mg/l	610	-	Cu	ug/l	1042	-
NO2+NO3	mg/l	631	-	Zn	ug/l	1092	-
TOT N	mg/l	600	-				
SO4	mg/l	945	-				
CL	mg/l	940	-				
F.Diss	mg/l	950	-				

Comments:	J = Estimated value K = Actual value less than value given L = Actual value greater than value given D = Field measurement \$60.36
	prepared by: G.ABUTAN date: January 13, 1994 Lab supervisor: F. Olszewski <i>F. Olszewski</i>

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FIVE-DAY BOD ANALYSIS WORKSHEET

Sample Source: Little Bay Lake 312159 Date Due: Mon Jan 31/94
Date Collected: 12/28/93 by Day M Inc. Temp: 20 C
Date Set-up: 12/29/93 by JLB Analyzed by: JLB
ph = 7.5 Adjusted between 6.5 to 7.5 (Y/N) ? (N)

Sample	1	B/K					
Percent Conc.	100	100					
ml sample/L	"	"					
BOD Bottle #	43	D.O.					
Initial Reading (D.O. Meter)	10.94	8.53					
Final Reading (D.O. Meter)	6.15	8.36					
Actual Depletion	4.79	0.17					
Dilution Factor	1	1					
Salinity Factor	1	1					
BOD (mg/L)	4.79	0.17					

$$\text{BOD (mg/L)} = \text{Actual Depletion} \times \text{Dilution Factor} \times \text{Salinity Factor}$$

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BACTERIOLOGICAL RESULTS

MEMBRANE FILTER DATA SHEET

AREA: LITTLE BAY LAKE #312159

Collector(s):	MALLOY	CODE:	TNTC	Too numerous to count
Coll. Date:	12/28/93		T	Typical Colonies - indicator organism
Rec. Date:	12/28/93		AT	Atypical Colonies - non-indicator organism
Rec. Time:	1125		TAT	Typical and Atypical Colonies
Rec. by:	NDR		NC	No Colonies
Date filtered:	12/28/93		CG	Confluent Growth
Filtered by:	NDR		9999	Count Not Possible
Date analyzed:	12/29/93			
Analyzed by:	NDR			

Inc. Time: COLI - 24HRS STREP - 48HRS

LOCATION	MF#	GROWTH MEDIUM	SAMPLE VOL. (MLS)	COUNT (IND. ORG. ONLY)	REMARKS
LAKE	1	M-ENDO	10.0000	30	TAT
	2	M-ENDO	1.0000	6	TAT
	1	MFC	10.0000	19	TAT
	2	MFC	1.0000	3	T
	1	F-STREP	10.0000	4	T
	2	F-STREP	1.0000	0	NC
TOTAL COLIFORM		=	300 / 100 mls		
FECAL COLIFORM		=	190 / 100 mls		
FECAL STREP		=	40 / 100 mls		
				RATIO (FC/FS) = 4.75	

COLL. TIME: 1025