

HILLSBOROUGH COUNTY
ENVIRONMENTAL PROTECTION COMMISSION
WATER QUALITY REPORT FORM

phone 272 5960

Sample Taken by: <i>H. Hayward</i>	Collection Date and Time: <i>9-15-82 1120</i>	Sampling Depth: <i>few inches</i>
Location: <i>Lake Brant</i> Sample collected from north end of lake because of possible contamination from septic tanks.		

PARAMETER	UNIT	METHOD	VALUE	PARAMETER	UNIT	METHOD	VALUE
TEMP WATER	DEG C	10		✓ COLI MF	#/100ML	31501	200
SECCHI	INCHES	77		✓ FECAL COLI MF	#/100ML	31616	100
BOD ₅	MG/L	310		✓ FECAL STREP MF	#/100ML	31673	1900
C ORG TOT	MG/L	680		Ratio = .05 Indicates pollution source as non-human, possibly caused by run-off.			
DO	MG/L	300		CHL A	UG/L	32210	
PH LAB	STD	403		CHL B	UG/L	32212	
COEOR	PT/CO	80		CHL C	UG/L	32214	
TURBIDITY	NTU	76		CHL TOT	UG/L	32216	
COND LAB	UMHO/CM	95		F DISS	MG/L	950	
SALINITY	PPT	480					
P ORTHO DISS	MG/L	671		RES DISS	MG/L	515	
P TOT	MG/L	665		RES TOT SUSP	MG/L	530	
SO ₄	MG/L	945					
ORG N	MG/L	605		FE	UG/L	1045	
NH ₃ N	MG/L	610					
KJEL N	MG/L	625					
NO ₃ N	MG/L	618					
NO ₂ N	MG/L	615					
TOT N	MG/L	600					
CL ₂	MG/L	50060					

Report Prepared By: *N. Roy*Lab Supervisor: *Tom Cardinck*Date: *9-20-82*

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HILLSBOROUGH COUNTY ENVIRONMENTAL PROTECTION COMMISSION
BACTERIOLOGICAL RESULTS
MEMBRANE FILTER DATA SHEET

Location Lake Browt - north end of lake
Collector(s) H. Hayward Coll. Date 9-15-82 Coll. Time 1120
Rec. by N. Roy Rec. Date 9-15-82 Rec. Time 1215
Filtered by N.R. Date filtered 9-15-82 Analyzed by NR Date analyzed 9-16-82

Code: TNTC Too Numerous to Count TAT Typical and Atypical Colonies
T Typical Colonies (indicator organism) NC No Colonies
AT Atypical Colonies (non-indicator organism) CG Confluent Growth

Odor ? — 24 hr. incub. time: In 1700 Out 1300
48 hr. incub. time: In 1700 Out 1300

MF NO.	GROWTH MEDIUM	SAMPLE VOL. (ML)	COUNT (ind. org. only)	REMARKS
1	M-Endr	1.0	2	TAT
1	MFC	1.0	1	T
1	KF Strep	1.0	19	T

Calculation: $\frac{\text{No. of Colonies of Indicator Organism}}{\text{No. of ml. of sample filtered}} \times 100 = \text{No. of colonies/100 ml sample}$

35.5 C. Total Coliform Count 200 Colonies/100 ml
44.5 C. Fecal Coliform Count 100 Colonies/100 ml
35.5 C. Fecal Strep Count 1900 Colonies/100 ml

Ratio = $\frac{\text{Fecal Coliform}}{\text{Fecal Strep}} = \frac{100}{1900} = .05$