Copy for Records

ANALYST: S. M. Usman

DATE SAMPLED: September 14, 1970

TIME: 10:00 - 3:00

LOCATION: Tyrone Township NAME OF LAKE: Runyon Lake

DATE OF ANALYSIS: September 16, 17, 18, 1970

METHOD OF ANALYSIS: 1. Hach Method (Quick Method)

2. Standard Method

i, Chloride - Mercuric Nitrate Method Standard Methods for Examination of Water and Waste Water 12th Edition, 87-89.

ii, Phosphate - Chlorostanuous Reduced Molybdophosphoric Blue Color Method, in Sulfuric Acid System Method I. Sail Chem. Analysis (Jackson, M. L.); 141–144 (1964).

iii, Rapid Method for Nitrate Determination (Agr. Food Chem. 15:359-61)

SITE OF SAMPLING	HACH METHOD			STANDARD METHOD			
	CI- ppm	PO=4 ppm	NO-3 ppm	CI-	PO= ₄	NO-3	
R ₁ = Inlet (small creek) wooded area	22.88	0-2	01	8.42	0.017	0.194	
R ₂ = Ditch - cottages in vicinity	22.88	0-2	01	19.00	0.072	0.194	
R ₃ = Inlet (small creek)	22.88	0-2	01	8.42	0.066	0.350	
R ₄ = Outlet – sample taken from other side of the road	22.88	0-2	01	14.59	0.045	0.156	
R ₅ = Steepy slope - many cottages	22.88	0-2	01	14.59	0.111	0.168	
R ₆ = Inlet (small creek) wooded area and cottages in vicinity	22.88	0-2	0-,1	10.42	0.094	0.271	
R ₇ = Lagoon - just at its mouth - cottages in vicinity	22.88	0-2	01	19.80	0.048	0.168	
R ₈ = Inlet (small creek) wooded area and cottages in vicinity	22.88	0-2	01	5.21	0.033	0.245	
g = Inlet (small creek) wooded area and cottages in vicinity	22.88	0-2	01	12.50	0.063	0.297	
10 ⁼ Inlet (small creek) - a few cottages in vicinity	22.88	0-2	01	16.67	0.409	1.000	

RESEARCHER: S. M. Usman

LAKE: Runyon

Presumptive Test for E. Coli Bacteria

Multiple Tube Fermentation Technique
Standard Methods for the Examination of Water and Waste Water, 12th Edition, 594-609.

SAMPLED DATE:

September 14, 1970

TIME: 10:00 - 3:00

RUN DATE:

September 15, 1970

TIME: 8:00

READ DATE:

September 17, 1970

TIME: 8:00

	an awali (English ang paggang ang paggang	DILUTION			
SITE OF SAMPLING	100	10-1	10-2	10 ⁻³	MPN/100 ML
R ₁ = Inlet (small creek)wooded	3		0	0	43 × 10 = 430
R ₂ = Ditch - cottages in vicinity	3	3	1	0	460 x 10 = 4,600
R ₃ = Inlet (small creek)	1	0	0	0	4 × 10 = 40
R ₄ = Outlet - sample taken from the other side of the road	3	2	0	0	93 × 10 = 930
R ₅ = Steepy Slope - many cottages	2	ì	0	0	
R ₆ = Inlet (small creek) wooded area and cottages in vicinity	3	3	2	0	1,100 × 10 = 11,000
R ₇ = Lagoon - just at its mouth - cottages in vicinity	3	3	1	1	460 × 10 = 4,600
R ₈ = Inlet (small creek) wooded area and cottages in vicinity	3	3	1	0	460 x 10 = 4,600
R ₉ = Inlet (small creek) wooded area and cottages in vicinity	3	3	2	1	$150 \times 10^2 = 15,000$
R ₁₀ = Inlet (small creek) a few cottages in vicinity	3	3	3	3	$1,100 \times 10^3 = 1100,000 \text{ ov}$

