

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
WATER RESOURCES DIVISION, YELLOWKNIFE, NORTHWEST TERRITORIES

RESULTS OF LABORATORY ANALYSIS

LICENCE # PROJECT <i>Ialouk</i>		LICENCE # <i>Application</i> NUMBER <i>NAL-3571</i>		LOCATION <i>2-9-1001</i>	
DATE SAMPLED <i>March 20/84</i>		DATE RECEIVED <i>March 20/84</i>		DATE COMPLETED <i>April 13, 1984</i>	
STATION NUMBER		<i>571-3</i>			
LABORATORY NUMBER		<i>40144</i>			
ANALYSIS REQUIRED		☒		☒	
pH (units)		☒ <i>8.1</i>			
Conductivity (umho/cm)		☒ <i>1100</i>			
Dissolved Oxygen		☒			
Turbidity (NTU)		☒ <i>8.0</i>			
Colour (colour U.)		☒ <i><5</i>			
Suspended Solids		☒ <i>12</i>			
TDS, Residue					
Calcium		☒ <i>51.2</i>			
Magnesium		☒ <i>20.9</i>			
Tot. Hardness (CaCO ₃)		☒ <i>71+</i>			
Tot. Alkalinity (CaCO ₃)		☒ <i>150</i>			
Sodium		☒ <i>116</i>			
Potassium		☒ <i>11.3</i>			
Chloride		☒ <i>150</i>			
Sulphate		☒ <i>85</i>			
Total Coliform (count)					
Fecal Coli. <i>100</i>					
Fecal Strep. <i>ml</i>					
Std. Plate Cnt. (cnt/ml)					
BOD ₅					
COD					
Carbon, IC					
Carbon, TOC					
Ammonia Nitrogen (as N)					
Nitrate + Nitrite (as N)					
Total Kjeldahl N					
Phosphorus O-P (as P)					
Phosphorus Tot (P)					
Silica Reac. (as SiO ₂)					
Total Cyanide					
Available Cyanide					
Sulphide					
Oil & Grease					
Phenols					
Arsenic	T (ug/L)	☒	<i><1.0</i>		
	D (ug/L)				
Cadmium	T (ug/L)	☒	<i><0.1</i>		
	D (ug/L)				
Copper	T (ug/L)	☒	<i>350</i>		
	D (ug/L)				
Iron	T (ug/L)	☒	<i>90</i>		
	D (ug/L)				
Lead	T (ug/L)	☒	<i>1.8</i>		
	D (ug/L)				
Mercury	T (ug/L)	☒	<i>0.30</i>		
	D (ug/L)				
Nickel	T (ug/L)	☒	<i><1.0</i>		
	D (ug/L)				
Zinc	T (ug/L)	☒	<i>6+</i>		
	D (ug/L)				
Chromium	T (ug/L)	☒	<i>1.3</i>		
	D (ug/L)				
Manganese	T (ug/L)	☒	<i>1.3</i>		
	D (ug/L)				

Results are expressed in ug/L, except as indicated. T and D refer to total and dissolved metals respectively.

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FIELD SAMPLING AND DATA

LICENSEE/PROJECT <i>Ta100112</i>		LICENCE NO. <i>N464-0571</i>		LOCATION <i>Reservoir pump house</i>				
DATE SAMPLED <i>Mar 16/84</i>		SAMPLED BY						
ANALYSIS	SAMPLE VOLUME	PRESERVATIVE	STATION NUMBER					
			<i>571-3</i>					
			BOTTLE NUMBER					
MISC. & ARSENIC	1 LITRE	NONE	✓					
HEAVY METALS	500 ML	2 ML 1:1 HNO ₃	✓					
CYANIDE	500 ML	About 6 pellets NaOH to pH 12						
MERCURY	250 ML	2 ML 1:1 HNO ₃ + 2 ML 5% K ₂ Cr ₂ O ₇	✓					
NUTRIENTS	250 ML	NONE						
BACTERIA	500 ML	NONE						
OIL AND GREASE	1 LITRE (GLASS)	4 ML 1:1 H ₂ SO ₄						
Time of Sampling			<i>1450</i>					
Air Temperature			<i>4°C</i>					
Water Temperature			<i>3°C</i>					
Rate of Flow			<i>—</i>					
Ice Thickness			<i>—</i>					
Depth of Sampling			<i>—</i>					
pH			<i>6.5</i>					
Conductivity			<i>610</i>					
Dissolved Oxygen								
<i>571-3</i>								
<i>sampled at vert in pump house after</i>								
<i>chlorination. Chlorination pumps started</i>								
<i>off water to sampling. May cause no. on</i>								
<i>residue.</i>								

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes the need for transparency and accountability in financial reporting.

2. The second part of the document outlines the various methods and techniques used to collect and analyze data. It includes a detailed description of the experimental procedures and the statistical analysis performed on the results.

3. The third part of the document presents the findings of the study. It includes a series of tables and graphs that illustrate the data collected during the experiment. The results show a clear trend in the data, which is discussed in detail.

4. The fourth part of the document discusses the implications of the findings. It explores the potential applications of the results and the limitations of the study. It also suggests areas for further research.

5. The fifth part of the document provides a conclusion and a summary of the key points. It reiterates the importance of the findings and the need for continued research in this area. It also includes a list of references to the literature cited in the document.

6. The sixth part of the document includes a list of appendices. These appendices provide additional information and data that are not included in the main body of the document. They are organized in a logical and easy-to-use format.