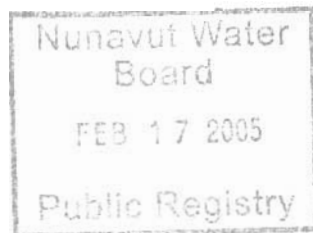


APPENDIX B

CUMBERLAND RESOURCES LTD.  
MEADOWBANK GOLD PROJECT, NUNAVUT

WATER ANALYSIS REPORT



INTERNAL	
PC	AP
MA	
FO	
LA	
BS	
ST	
TA1	
TA2	
RC	
ED	
CH	
BRD	
EXT.	

# CHEMICAL ANALYSIS REPORT

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**Date:** May 31, 2004

**ALS File No.** U3896

**Report On:** Meadowbank Water Analysis

**Report To:** **Cumberland Resources Ltd.**  
Suite 950, One Bentall Centre  
505 Burrard St.  
Vancouver, BC  
V7X 1M4

**Received:** May 27, 2004

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## ALS ENVIRONMENTAL

per:

Andre Langlais, M.Sc. - Senior Chemist  
Amber Springer, B.Sc. - Project Chemist

File No. U3896

**RESULTS OF ANALYSIS - Water**

Sample ID	Tap 1	Tap 2	Tap 3	Release Valve 1	Release Valve 2
Sample Date	04-05-26	04-05-26	04-05-26	04-05-26	04-05-26
Sample Time	14:35	14:35	14:35	14:35	14:35
ALS ID	1	2	3	4	5
<b>Bacteriological Tests</b>					
Coliform Bacteria - Fecal	<1	<1	<1	<1	<1
Coliform Bacteria - Total	<1	<1	<1	<1	<1

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Coliform results are expressed as Colony Forming Units (CFU) per 100 mL.  
< = Less than the detection limit indicated.

File No. U3896

## **Appendix 1 - METHODOLOGY**

Outlines of the methodologies utilized for the analysis of the samples submitted are as follows

### **Coliform Bacteria in Water by Membrane Filtration**

This analysis is carried out using procedures adapted from APHA Method 9222 "Membrane Filter Technique for Members of the Coliform Group". Coliform bacteria is determined by colony counting. A known sample volume is filtered through a 0.45 micron membrane filter. The test involves an initial 24 hour incubation of the filter with the appropriate growth medium, positive results require further testing (up to an additional 48 hours) to confirm and quantify the total and fecal coliform. This method is used for non-turbid water with a low background bacteria level.

Recommended Holding Time:

Sample: 1 day

Reference: APHA

For more detail see ALS Environmental "Collection & Sampling Guide"

**Results contained within this report relate only to the samples as submitted.**

**This Chemical Analysis Report shall only be reproduced in full, except with the written approval of ALS Environmental.**

**End of Report**