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KATIMAYINGI

kNK5 wmoEp5 vtmpq  
NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN

## WATER LICENCE APPLICATION FORM

Application for: (check one)

☐ New ☐ Amendment ☒ **Renewal** ☐ Assignment

LICENCE NO:  
(for NWB use only)

nwb2m8A9899

**1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE**

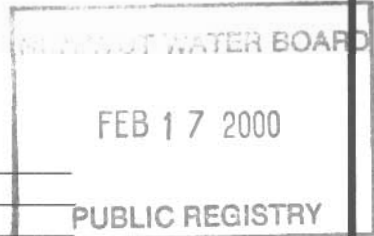
Cumberland Resources Ltd.  
906-595 Howe St.,  
Vancouver, BC, V6C 2T5

Phone: (604) 608-2557  
Fax: (604) 608-2559  
e-mail: info@goldmin.com

**2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)**

Cumberland Resources Ltd.  
906-595 Howe St.,  
Vancouver, BC, V6C 2T5

Phone: (604) 608-2557  
Fax: (604) 608-2559  
e-mail: info@goldmin.com



**3. LOCATION OF UNDERTAKING** (describe and attach a topographical map, indicating the main components of the Undertaking)

**Meadowbank Project is located 70 km north of Baker Lake, Nunavut.**

Latitude: 65° 00' 75" Longitude: 96° 04' 39" NTS Map No. 66H Scale 1:250,000

**4. DESCRIPTION OF UNDERTAKING** (attach plans and drawings)

Mineral exploration/diamond drilling camp designated to support a maximum 35 persons.

**5. TYPE OF UNDERTAKING** (A supplementary questionnaire must be submitted with the application for undertakings listed in "bold")

☐ Industrial ☐ Remote/Tourism Camps  
☐ Mine Development ☐ Municipal  
☒ Advanced Exploration ☐ Power  
☒ Exploratory Drilling ☐ Other (describe):

**6. WATER USE**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> To obtain water                            | <input type="checkbox"/> To divert a watercourse |
| <input checked="" type="checkbox"/> To modify the bed or bank of a watercourse | <input type="checkbox"/> Flood control           |
| <input checked="" type="checkbox"/> To alter the flow of , or store, water     | <input type="checkbox"/> Other (describe): _____ |
| <input type="checkbox"/> To cross a watercourse                                |  |

**7. QUANTITY OF WATER INVOLVED** (litres per second, litres per day or cubic metres per year, including both quantity to be used and quality to be returned to source)

Camp use (showers and cooking) 1,500-3,000 liters per day over 6 month period  
Drilling (diamond coring) 27,500 liters per day over spring and summer season (2 months each season)

**8. WASTE** (for each type of waste describe: composition, quantity, methods of treatment and disposal, etc.)

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Sewage incinerated daily  | <input checked="" type="checkbox"/> Waste oil incinerated                    |
| <input type="checkbox"/> Solid Waste  | <input checked="" type="checkbox"/> Greywater disposal in natural depression |
| <input type="checkbox"/> Hazardous  | <input type="checkbox"/> Sludges   |
| <input checked="" type="checkbox"/> Bulky Items/Scrap Metal disposal in Baker Lake dump                       |  |
| <input checked="" type="checkbox"/> Other (describe): Drill water returned to lake, provided free of cuttings |  |

**9. PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING** (give name, mailing address and location; attach if necessary)

**Land Use Permit**

DIAND	<input type="checkbox"/> Yes <input type="checkbox"/> No	If no, date expected _____
Regional Inuit Association	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If no, date expected ___March, 2000___
Commissioner	<input type="checkbox"/> Yes <input type="checkbox"/> No	If no, date expected _____

**10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES** (direct, indirect, cumulative impacts, etc.)

**None expected.**

NIRB Screening ☐ Yes ☒ No If no, date expected \_\_\_March, 2000\_\_\_

**11. CONTRACTORS AND SUB-CONTRACTORS** (name, address and functions)

Boart Longyear Inc., 403-47<sup>th</sup> St. East, Saskatoon, Sask., S7K 5H4 (Diamond drilling)  
Helimax Ltd., 3650 boul. De l'Aéroport, Aéroport de Trois Rivières, Trois Rivières, Que., G9A 5E1 (Helicopter)  
Peter's Expediting Ltd., P.O. Box 74, Baker Lake, Nunavut, X0C 0A0 (Transportation fuel/supplies)  
Nunavut Environmental Ltd., Z-72 R.R.#1, Bowen Island, B.C., V0N 1G0 (Environmental Studies)

**12. STUDIES UNDERTAKEN TO DATE** (list and attach copies of studies, reports, research, etc.)

1996 – Preliminary aquatic baseline study

1997 – Aquatic base line study

1998 – Reconnaissance survey for hydrology studies

- Aquatic baseline studies for water and sediment quality, and lower trophic level populations
- Review of wildlife literature
- Collection of traditional use information
- Reconnaissance survey for waste characterization studies

1999 – Studies were continued in hydrology, aquatic ecology, fisheries, vegetation, wildlife, ARD, and archaeology

- Continuous atmospheric monitoring and upgrading of measurements to include snowfall and thermal radiation

**13. THE FOLLOWING DOCUMENTS MUST BE INCLUDED WITH THE APPLICATION FOR THE REGULATORY PROCESS TO BEGIN**

Supplementary Questionnaire (where applicable: see section 5) ☒ Yes ☐ No If no, date expected \_\_\_\_\_

Inuktitut/English Summary of Project ☒ Yes ☐ No If no, date expected \_\_\_\_\_

Application fee \$30.00 (c/o of Receiver General for Canada) ☒ Yes ☐ No If no, date expected \_\_\_\_\_

**14. PROPOSED TIME SCHEDULE**

☒ Annual (or) ☐ Multi Year

Start Date: March, 2000

Completion Date: September, 2000

**R. Brian Alexander**  
Name (Print)

**Project Manager**  
Title (Print)

*R. Brian Alexander*  
Signature

*Feb. 11<sup>th</sup> 2000*  
Date

For Nunavut Water Board use only

APPLICATION FEE

Amount: \$ 30

Receipt No.:

C116756

WATER USE DEPOSIT

Amount: \$ \_\_\_\_\_

Receipt No.: \_\_\_\_\_

## Executive Summary (NWB)

The Meadowbank Gold project is located 70km north of the Hamlet of Baker Lake, Nunavut. The project includes four closely spaced, well defined gold deposits hosted in magnetite rich iron formations of the Archean aged Woodburn Lake Group. Resource calculations completed in early 1999 by independent mining engineers, MRDI Canada, outlined 1.73 Million ounces gold (cut) of which 70% falls within the measured and indicated classifications. Resource classification is supported by 364 diamond drill holes.

Cumberland Resources Ltd. has been operating exploration activities at the Meadowbank Gold Project since 1995. Exploration since 1995 has included over 50,000 meters of definition and exploratory drilling. Project expenditures have exceeded \$13 million during this time and include \$3.2 million expended in 1999 making the project one of the largest exploration initiatives in Canada.

Pre-feasibility studies continued across 1999 to identify mining, metallurgical, and infrastructure parameters necessary to support economic production at Meadowbank. Currently, the Company is studying the economics of combined open pit and underground production at the site with winter road access and staff rotated on a bi-weekly basis. These studies are expected to be completed early in 2000.

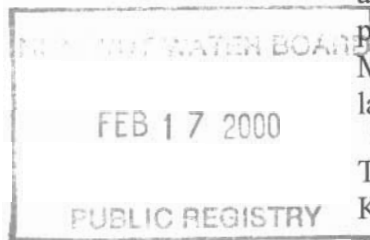
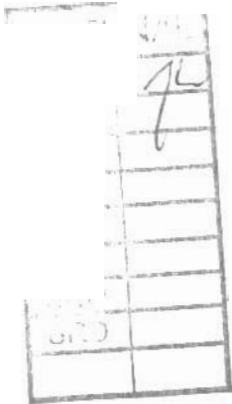
The company acquired an additional three mineral exploration agreements on approximately 30,000 hectares within IOL parcel BL-14 in 1999. These land parcels are contiguous with the grand-fathered mineral claims hosting the Meadowbank deposits. In 2000, the company will expand exploration on this new land to potentially add to the current 1.73 million ounce gold resource.

The proposed exploration activities in the areas covered by Land Use License KVL299B169 and by Land Use Permit KE97P092 will be supported from the current Meadowbank camp, therefore additional construction would not be necessary. The water use license will need to be amended so as to include both areas of activity.

Proposed work in the area covered by Land Use License KVL299B169 (new lands) includes airborne and ground geophysics, gridding, and diamond drilling expected to be completed before June. Continued work includes prospecting and geological mapping to be completed before September.

Proposed work in the area covered by Land Use Permit KE97P092 (grandfathered claims) includes a diamond drill program to be completed before June, finishing the trenching started in 1999, and hydrology studies.

Proposed hydrology studies will require the temporary installation of weirs (aquadams) or monitoring stations. These will be constructed to modify the channel flow conditions for measuring lake discharge. The objective is to gather information on existing environmental conditions in support of future



environmental assessment and long term monitoring for the mine. Monitoring will begin in early spring to capture melt conditions, and will continue to late summer. Monitoring stations will be located in the lakes surrounding the mine site. The work was approved in 1999 permit amendment number 1, but was not carried out. The proposed work would be carried out this year instead.

Activities at the Meadowbank project have been previously approved and regulated under a K.I.A land use permit and a Nunavut Water Board Permit. Cumberland has been fully compliant with all permits and inspections since 1995.

FEB 17 2000

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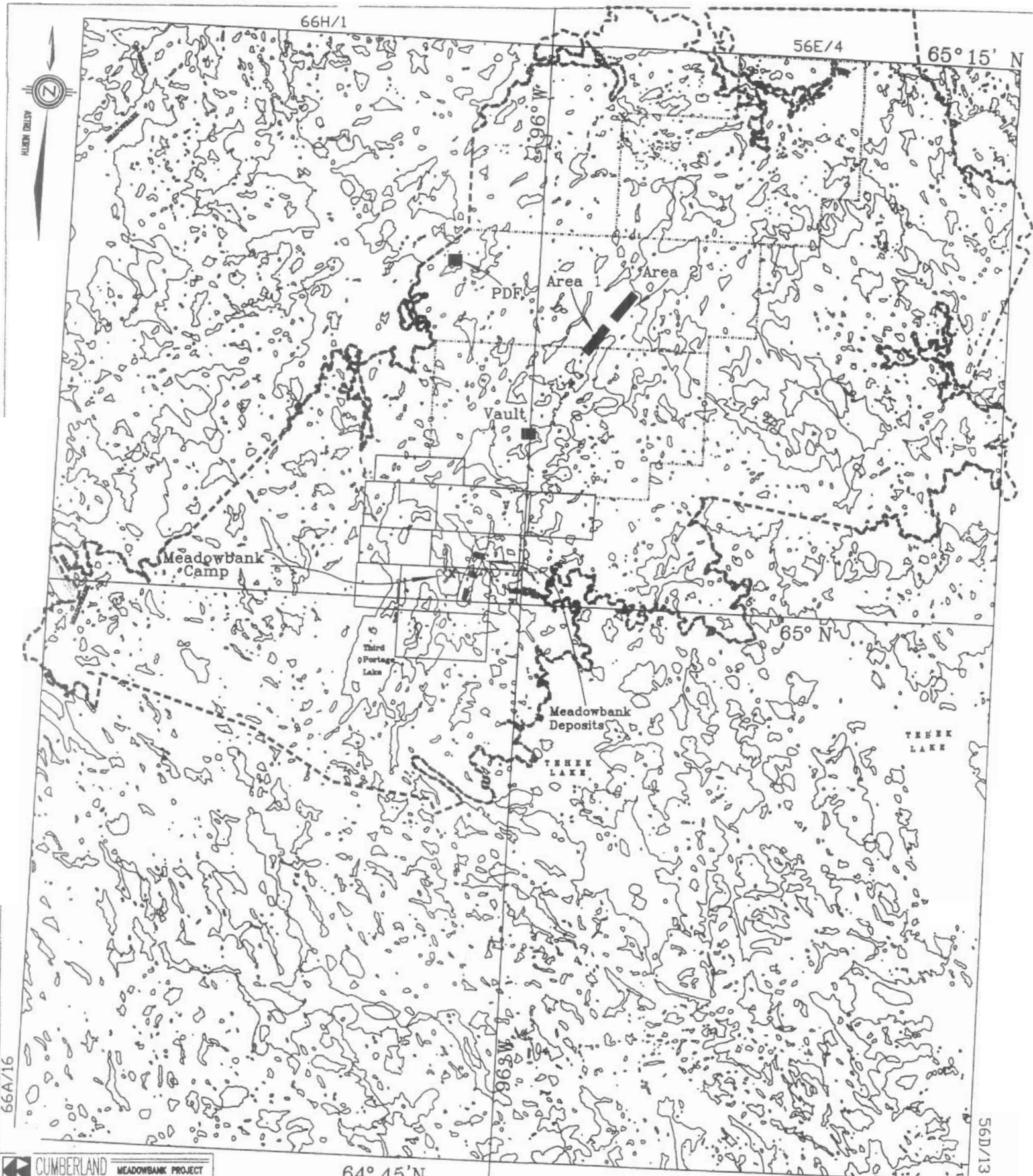
## BOARD

FEB 17 2000

IC REGISTRY







**CUMBERLAND**  
RESOURCES LTD.

**MEADOWBANK PROJECT**  
Nunavut / NWT

**Keewatin**

**Meadowbank Region**  
Exploration & Development

Scale: 1:250,000  
Map No. 1

**LEGEND**

NEW CLAIMS

EXISTING CLAIMS

NTL BL14 BOUNDARY

PROPOSED WORK AREAS

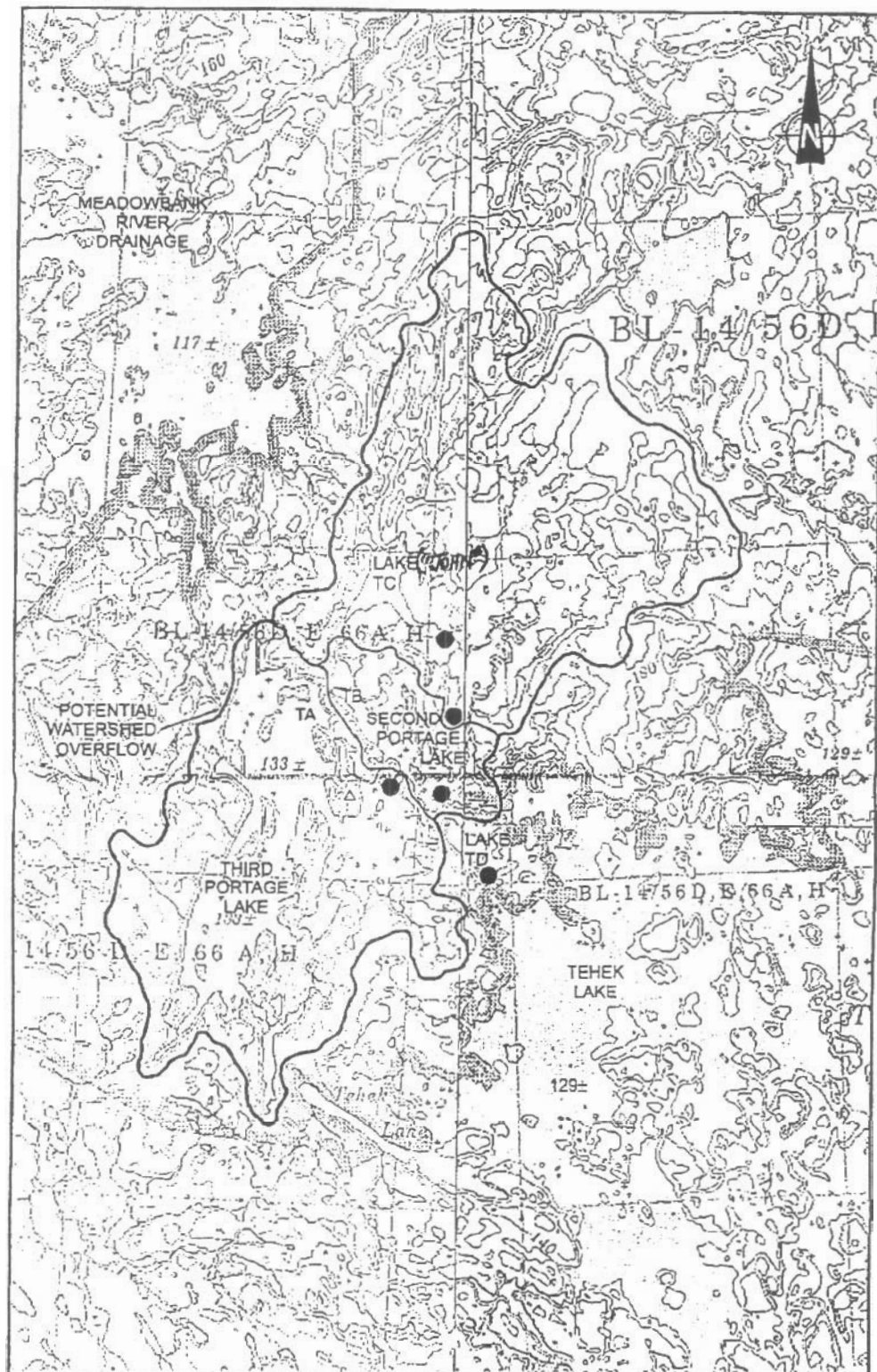
LAKESHORE

scale: 1:250,000

0 1 2 4  
kilometers



NAB



SOURCE: 1:250 000 MAP PUBLISHED BY DEPARTMENT OF  
ENERGY, MINES & RESOURCES - EDITION 3 OF  
MAPS 66-N, 30-E, 66-A & 30-D.

1:125 000

0 5 km

## LEGEND:

- PROPOSED HYDROMETRIC STATION
- △ EXPLORATION CAMP
- WATERSHED BOUNDARY
- SUB-BASIN BOUNDARY
- TA TAILINGS SITE A



AGRA Earth &amp; Environmental

ENGINEERING GLOBAL SOLUTIONS

CLIENT:



RESOURCES LTD

PROJECT:

MEADOWSBANK GOLD PROJECT

TITLE:

PROJECT AREA

DATE:

SEPT. 1996

JOB NO.:

CW1583

COORD. FILE:

1383E00

FIGURE NO.:

FIGURE 3

REV.:

A

