



Indian and Northern  
Affairs Canada

Affaires indiennes  
et du Nord Canada

007870

Geology Section  
Indian and Northern Affairs Canada  
200 Range Road  
Whitehorse, Yukon  
Y1A 3V1

Your file    Votre référence

Our file    Notre référence

1 September, 1988

RECEIVED SEP 14 1988

Dear <sup>Grey</sup> ~~sir or madam~~:

I am asking for your help in compiling our annual summary of Yukon mineral exploration and development to be published in December, 1988 and updated for later publication in 1989 as part of the next YUKON EXPLORATION volume.

I am enclosing a questionnaire which is a guideline for the kind of information I would like to publish, based on your 1988 exploration programs. Would you please complete a questionnaire for each property, using the reverse side if you need more space. The results of the exploration are of particular interest if you are free to release them, but all information will be gratefully received.

In order to meet the publication deadline I will need the information by the end of October at the latest. If it will save you time, instead of mailing a return you may FAX the information to me at 403 667 4070 or phone me at 403 667 3203.

Thanks for your cooperation in previous years.

Yours truly,

Trevor Bremner  
Staff Geologist

*Hi Grey, Hope you guys had a chance to do some exploration this year. Thanks for the information last year on the m.m. property + the mining. Will contact you about this year's mining later.*

Canada

*J.J.B.*

**1988 EXPLORATION SUMMARY**  
**(Non-confidential information only)**

**COMPANY NAME:** Curragh Resources Inc.  
**ADDRESS:** 117 Industrial Rd.  
Whitehorse, Y.T.  
Y1A 2T8

**PROPERTY NAME:** Faro Mine  
**OWNER:** Curragh Mining Properties  
**OPERATOR:** CRI  
**NTS:** 105-K-6  
**LAT/LONG:**  
**CLAIMS:**

**GEOLOGY AND MINERALIZATION (brief description):**

Stratiform Pb Zn Ag deposit hosted by copper At Mye formation.

**1988 EXPLORATION PROGRAM: (brief summary- if drilling please include number of holes and total metres)**

Fill-in drilling in areas of deep mineralization southwest of open pit in area of possible future underground mining.

**RESULTS OF EXPLORATION: (please be quantitative if confidentiality is not a problem)**

Not available.

**1988 EXPLORATION SUMMARY**  
**(Non-confidential information only)**

**COMPANY NAME:** Curragh Resources Inc.  
**ADDRESS:** 117 Industrial Rd.  
Whitehorse, Y.T.  
Y1A 2T8

**PROPERTY NAME:** East Swim Basin  
**OWNER:** Curragh Mining Properties Inc. **OPERATOR:** Curragh Resources Inc.  
**NTS:** 105K-2 **LAT/LONG:** 62 degrees 12' N  
**CLAIMS:** Sea, Capa, Ecko 132 degrees 46' W

**GEOLOGY AND MINERALIZATION (brief description):**

Upper Mt. Mye formation in heavily overburden covered area; target is stratiform Pb Zn, no known showings.

**1988 EXPLORATION PROGRAM: (brief summary- if drilling please include number of holes and total metres)**

Drilling to test for source of geochemical anomalies in glacial till and to test gravity anomalies and E<sub>m</sub> anomalies.

3 holes 570 m

**RESULTS OF EXPLORATION: (please be quantitative if confidentiality is not a problem)**

Source of geochemical anomalies not found; gravity anomaly due to bedrock high and E<sub>m</sub> conductors probably due to wet or clay rich overburden. Only Sulphides intersected was 0.5 m massive pyrrhotite.

**1988 EXPLORATION SUMMARY**  
**(Non-confidential information only)**

**COMPANY NAME:** Curragh Resources Inc.  
**ADDRESS:** 117 Industrial Rd.  
Whitehorse, Y.T.  
Y1A 2T8

**PROPERTY NAME:** MM  
**OWNER:** Curragh Mining Properties Inc. **OPERATOR:** Curragh Resources Inc.  
**NTS:** 105 F-7 **LAT/LONG:** 61 degrees 27' N  
**CLAIMS:** MM, JJ 132 degrees 40' W

**GEOLOGY AND MINERALIZATION (brief description):**

Discontinuous stratiform lenses of Cu-Pb-Zn within mississippian felsic to intermediate metavolcanics.

**1988 EXPLORATION PROGRAM: (brief summary- if drilling please include number of holes and total metres)**

Three trenches completed on surface showings for assessment purposes. Trenches designed to determine thickness of mineralized horizons and sample fresh material.

**RESULTS OF EXPLORATION: (please be quantitative if confidentiality is not a problem)**

One trench intersected minor, highly weathered, disseminated sulphides in felsic metavolcanics. Two trenches intersected pegmatitic quartz veins. The veins were locally extensively iron-stained and weathered.

**1988 EXPLORATION SUMMARY**  
**(Non-confidential information only)**

**COMPANY NAME:** Curragh Resources Inc.  
**ADDRESS:** 117 Industrial Rd.  
Whitehorse, Y.T.  
Y1A 2T3

**PROPERTY NAME:** Grum Deposit  
**OWNER:** Curragh Mining Properties Inc.    **OPERATOR:** Curragh Resources Inc.  
**NTS:** 105-K-6                                    **LAT/LONG:**  
**CLAIMS:**

**GEOLOGY AND MINERALIZATION (brief description):**

Stratiform Pb, Zn, Ag, Ag deposit in upper Mt. Mye and basal Vangorda formations (see Jennings and Jilson (1986)\* for description). Geological reserves of main zone (62W to 86W) estimated to be 30.6 million tonnes averaging 3.4% Pb, 5.6% Zn, 57 g/t Ag and 1.0 g/t Au.

**1988 EXPLORATION PROGRAM: (brief summary- if drilling please include number of holes and total metres)**

5 sill-in drill holes totalling 640 m in areas of shallow early production reserves. Pit and dump designs finalized, access road construction started, environmental planning continued. Pre-stripping planned to start in 1989.

**RESULTS OF EXPLORATION: (please be quantitative if confidentiality is not a problem)**

General confirmation of structural and grade for intervals tested.

\* CIM Special Volume 37, p. 319-361

**1988 EXPLORATION SUMMARY**  
**(Non-confidential information only)**

**COMPANY NAME:** Curragh Resources Inc.  
**ADDRESS:** 117 Industrial Rd.  
Whitehorse, Y.T.  
Y1A 2T8

**PROPERTY NAME:** Vangorda  
**OWNER:** Curragh Mining Properties Inc. **OPERATOR:** Curragh Resources Inc.  
**NTS:** 105-K-6 **LAT/LONG:**  
**CLAIMS:**

**GEOLOGY AND MINERALIZATION (brief description):**

Stratiform Pb, Zn, Ag, Au deposit in upper Mt. Iye formation (see Jenings and Jilson (1986)\* for description). Geological reserves estimated at 7.5 million tonnes averaging 3.3% Pb, 4.9% Zn, 54 g/t Ag, 0.7 g/t Au.

**1988 EXPLORATION PROGRAM: (brief summary- if drilling please include number of holes and total metres)**

Fill-in drilling, especially in southeast end of the deposit to confirm grades and tonnage for production and to obtain samples for bench scale metallurgical testing. Several holes along southwest edge of deposit to define pit limit. 63 holes = 2965 m. Final pit and waste dump design, draining ditching, access construction and environmental planning undertaken preparatory for 1989 startup.

**RESULTS OF EXPLORATION: (please be quantitative if confidentiality is not a problem)**

Geometry of deposit considerably refined, tonnage and grade little changed from previous reserves.

\* CIM Sp. vol 37, P. 319 - 361

**1988 EXPLORATION SUMMARY**  
**(Non-confidential information only)**

**COMPANY NAME:** Curragh Resources Inc.  
**ADDRESS:** 117 Industrial Rd.  
Whitehorse, Y.T.  
Y1A 2T8

**PROPERTY NAME:** Vangorda Plateau  
**OWNER:** Curragh Mining Properties Inc. **OPERATOR:** Curragh Resources Inc.  
**NTS:** 105-K-6 **LAT/LONG:**  
**CLAIMS:**

**GEOLOGY AND MINERALIZATION (brief description):**

Area underlain by Mt. Mye formation immediately northeast of Vangorda Pb Zn deposit.

**1988 EXPLORATION PROGRAM: (brief summary- if drilling please include number of holes and total metres)**

Diamond drilling (5 holes = 1100 m) to est fold closure northeast of Vangorda deposit.

**RESULTS OF EXPLORATION: (please be quantitative if confidentiality is not a problem)**

Only minor sulphides intersected with little contained Pb Zn. Stratigraphy of upper Mt. Mye formation refined as result of drilling.

**1988 EXPLORATION SUMMARY**  
**(Non-confidential information only)**

**COMPANY NAME:** Curragh Resources Inc.  
**ADDRESS:** 117 Industrial Rd.  
Whitehorse, Y.T.  
Y1A 2T8

**PROPERTY NAME:** Faro Northwest  
**OWNER:** Curragh Mining Properties Inc. **OPERATOR:** Curragh Resources Inc.  
**NTS:** 105-K-6 **LAT/LONG:**  
**CLAIMS:** Faro, TV, TSS, HECK

**GEOLOGY AND MINERALIZATION (brief description):**

Calci-silicates, calcareous schists, and noncalcareous schists of the Vangorda and Mt. Mye formations on the southwest margin of the Anvil Batholith. Target is stratiform Pb Zn.

**1988 EXPLORATION PROGRAM: (brief summary- if drilling please include number of holes and total metres)**

Surface geology mapping at 1:5000 scale. Intent of mapping is to refine our geologic model for stratigraphy and structure of Vangorda and Mt. Mye formations. Anticipate possibility of 300 meters drilling based on mapping program (drilling not started yet).

**RESULTS OF EXPLORATION: (please be quantitative if confidentiality is not a problem)**

Favourable stratigraphy for stratiform Pb Zn deposits if offset along several late, steep normal or strike slip faults. The faults have the proper orientation for small scale features associated with strike-slip movement on the major Tintina fault.

**1988 EXPLORATION SUMMARY**  
(Non-confidential information only)

COMPANY NAME: *CRI*  
ADDRESS:

PROPERTY NAME: *Faro Mine*  
OWNER: *CIMPI.*  
NTS: *105-K-6*  
CLAIMS:

OPERATOR: *CRI*  
LAT/LONG:

**GEOLOGY AND MINERALIZATION (brief description):**

*Stratiform PbZnAg deposit hosted by upper M+Mye  
formations*

**1988 EXPLORATION PROGRAM: (brief summary- if drilling please include  
number of holes and total metres)**

*Fill-in drilling in areas of deep mineralization  
southwest of open pit in area of possible  
future underground mining*

**RESULTS OF EXPLORATION: (please be quantitative if confidentiality is not a  
problem)**

*not available*

1988 EXPLORATION SUMMARY  
(Non-confidential information only)

COMPANY NAME: Curriagh Resources Inc.  
ADDRESS: 112 Industrial Road  
Whitehorse Yukon Y1A 2T8

PROPERTY NAME: East Swim Basin  
OWNER: CMP I  
NTS: 105K-2  
CLAIMS:

Sea, Capa, Echo

OPERATOR: CRI  
LAT/LONG: 62° 12' N  
132° 46' W

**GEOLOGY AND MINERALIZATION (brief description):**

Upper Mt Mye formation in heavily overburden covered area; target is stratiform Pb Zn, no known showings

**1988 EXPLORATION PROGRAM: (brief summary- if drilling please include number of holes and total metres)**

Drilling to test for source of geochemical anomalies in glacial till and to test gravity anomalies and EM anomalies

3 holes 570m

**RESULTS OF EXPLORATION: (please be quantitative if confidentiality is not a problem)**

Source of geochemical anomalies not found; Gravity anomaly due to bedrock high and EM conductors <sup>probably</sup> due to wet or clay rich overburden. Only sulphides intersected was 0.5 m massive pyrochite

1988 EXPLORATION SUMMARY  
(Non-confidential information only)

COMPANY NAME: Curragh Resources Inc.  
ADDRESS: 117 Industrial Road  
Whitehorse, Yukon Y1A 2T8

PROPERTY NAME: MM  
OWNER: CMPI  
NTS: 105 F-7  
CLAIMS: MM, JJ

OPERATOR: CRI  
LAT/LONG: 61° 27' N  
132° 40' W

GEOLOGY AND MINERALIZATION (brief description):

Discontinuous stratiform lenses of Cu-Pb-Zn within Mississippian felsic to intermediate metavolcanics.

1988 EXPLORATION PROGRAM: (brief summary- if drilling please include number of holes and total metres)

Three ~~open~~ trenches completed on surface showings for assessment purposes. Trenches designed to ~~open~~ determine thickness of mineralized horizons and sample fresh material.

RESULTS OF EXPLORATION: (please be quantitative if confidentiality is not a problem)

One trench intersected <sup>minor,</sup> highly weathered, <sup>disseminated</sup> ~~massive~~ sulfidation felsic metavolcanics. The veins

Two trenches intersected pegmatitic quartz veins; ~~which~~ were locally ~~extensively~~ extensively iron-stained and weathered.

1988 EXPLORATION SUMMARY  
(Non-confidential information only)

COMPANY NAME: CURRAGH RESOURCES INC  
ADDRESS:

PROPERTY NAME: Gann Deposit  
OWNER: CMPI  
NTS: 105-K-6  
CLAIMS:  
OPERATOR: CRI  
LAT/LONG:

**GEOLOGY AND MINERALIZATION (brief description):**

Stratiform Pb Zn Ag Au deposit in upper Nat Alve ~~and~~  
and basal Vangorda formations (See Jennings and Tolson (1986)  
for description). Geological reserves of main zone (62W to 86W)  
estimated to be 30.6 million tonnes averaging 3.4% Pb 5.6% Zn  
57 g/t Ag and 1.0 g/t Au

**1988 EXPLORATION PROGRAM: (brief summary- if drilling please include  
number of holes and total metres)**

5 fill-in drill holes totalling 640 m in areas of  
shallow early production reserves. Pit and dump  
designs finalized, access road construction started,  
environmental planning continued. Pre-stripping planned  
to start in 1989.

**RESULTS OF EXPLORATION: (please be quantitative if confidentiality is not a  
problem)**

General confirmation of structure and grade for  
intervals tested.

1988 EXPLORATION SUMMARY  
(Non-confidential information only)

COMPANY NAME: CURRAGH RESOURCES INC.  
ADDRESS:

PROPERTY NAME: Vangorda  
OWNER: CRI  
NTS: 105-K-6  
CLAIMS:

OPERATOR: CRI  
LAT/LONG:

**GEOLOGY AND MINERALIZATION (brief description):**

Stratiform Pb Zn Ag Au deposit in upper NAB Mye formation (see Jennings & Johnson (1986)\* for description). Geological reserves estimated at 7.5 million tonnes averaging 3.8% Pb 4.9% Zn 54 g/t Ag 0.7 g/t Au

**1988 EXPLORATION PROGRAM: (brief summary- if drilling please include number of holes and total metres)**

Fill in drilling, especially in southeast end of the deposit to confirm grades and tonnage for and to obtain samples for bench scale metallurgical testing. Several holes along southwest edge of deposit to define pit limits. 63 holes = 2965 m. Final pit and waste dump design, drainage ditching, access construction and environmental planning undertaken preparatory for 1989 startup.

**RESULTS OF EXPLORATION: (please be quantitative if confidentiality is not a problem)**

Geometry of deposit considerably refined, tonnage and grade little changed from previous reserves.

**1988 EXPLORATION SUMMARY**  
(Non-confidential information only)

**COMPANY NAME:** CURRACH RESOURCES INC.  
**ADDRESS:** 117 INDUSTRIAL ROAD  
WHITEHORSE, YUKON Y1A 2T8

**PROPERTY NAME:** Vangorda Plateau  
**OWNER:** CAMP I  
**NTS:** 105 K 6  
**CLAIMS:**  
**OPERATOR:** CR I  
**LAT/LONG:**

**GEOLOGY AND MINERALIZATION (brief description):**

Area underlain by nat rhye formation immediately northeast of Vangorda PbZn deposit

**1988 EXPLORATION PROGRAM: (brief summary- if drilling please include number of holes and total metres)**

Diamond Drilling (5 holes = 1100 m) to test fold closure northeast of Vangorda deposit.

**RESULTS OF EXPLORATION: (please be quantitative if confidentiality is not a problem)**

Only minor sulphides intersected with little contained PbZn. Stratigraphy of upper nat rhye formation refined as result of drilling

1988 EXPLORATION SUMMARY  
(Non-confidential information only)

COMPANY NAME: CURRAGH RESOURCES INC.  
ADDRESS: 117, INDUSTRIAL ROAD  
WHITEHORSE, YUKON CIA ZTB

PROPERTY NAME: Faro northwest  
OWNER: CMPI  
OPERATOR: CRI  
NTS: 105-K-6  
LAT/LONG:  
CLAIMS: FARO, RV, TSS, HECK

**GEOLOGY AND MINERALIZATION (brief description):**

Calc-silicates, calcareous schists, and noncalcareous schists of the Vangorda and Mount Mye formations on the southwest margin of the Anvil Batholith.  
Target is stratiform PbZn.

**1988 EXPLORATION PROGRAM: (brief summary- if drilling please include number of holes and total metres)**

Surface geology mapping at 1:5000 scale. Intent of mapping is to refine our geologic model for stratigraphy and structure of Vangorda and Mt Mye formations. Anticipate possibility of 300 meters drilling based on mapping program (drilling not started yet).  
**RESULTS OF EXPLORATION: (please be quantitative if confidentiality is not a problem)**

Favourable stratigraphy for stratiform PbZn deposits is offset along several late, steep normal or strike slip faults. The faults ~~are important~~ have the proper orientation <sup>for</sup> small scale features associated with strike-slip movement on the major Tintina fault.