

003598

Mineral Industry Reports - YUKON

(File 200.7.1) - to end 1977

December 7, 1977

Mr. D. B. Craig
Regional Geologist
Indian and Northern Affairs
200 Range Road
Whitehorse, Y.T.
Y1A 3V1

Dear Doug,

Enclosed please find "SUMMARY OF EXPLORATION AND DEVELOPMENT WORK
PERFORMED IN 1977" forms, completed for the following properties:

North Anvil Range
Lower Anvil Creek
URN

Yours truly,

CYPRUS ANVIL MINING CORPORATION

D. S. Jennings
Chief Geologist

Encl.

MAIL TO:

M. R.

Geology Section

Indian and Northern Affairs

200 Range Road

Whitehorse, YUKON Y1A 3V1

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1977

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1976? Yes No

Property Name: NORTH ANVIL RANGE JOINT VENTURE

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105-K-6 and 7 Lat 62° 22' Long 133° 00'

Location Description and Mode(s) of Access The claims are situated north of Anvil Batholith about 13 km from the Anvil Mine. Access is by helicopter.

Claim Name(s) SARK, TAF, TIM, JET, MX, LISA, FAT, FIN, Total Claims 400
ROG, ZAN.

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work financed by: <u>Cyprus Anvil Mining Corporation</u>	<u>Metallgesellschaft Canada Ltd.</u>
<u>330-355 Burrard Street</u>	<u>824, 602 West Hastings Street</u>
Address: <u>Vancouver, B.C.</u>	<u>Vancouver, B.C.</u>

Mineral(s) of Economic Interest: _____

Geological Description of Occurrence: The claims are underlain by a variety of rock types which include, from oldest to youngest, a high grade metamorphic schist of siliceous to pelitic composition lying adjacent to the Anvil Batholith, the Faro sequence, a calc-silicate unit, and pelitic phyllites with marked graphitic horizons. Overlying this sequence of rocks is the KD volcanic package of rocks.

WORK DONE IN 1977

Geological Mapping:

Claims Mapped

All remapped

Scale

1" = 1,000'

Geochemistry:

Method

Nil

Claims Sampled

Geophysics:

Method

Gravity

Claims Covered

MYE-SARK; FAT-FIN

Trenching and Stripping:

Area or Volume

Nil

Method

On Which Claims?

Drilling:

Type

Nil

Size

No. of Holes

Total Footage or metres

On Which Claims?

Results of work done: No results of economic importance.

Assessment Work Recorded in 1977:

Geological Report

Geochemical Report

Physical Work Linecutting.

Geophysical Report

Drilling

Date: December 7, 1977

Signature: J. P. FRANZEN

Company: Cyprus Anvil Mining Corp.

Position: Geologist

Regional Geologist
Indian and Northern Affairs
200 Range Road
Whitehorse, Yukon Y1A 3V1

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1976

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1976? Yes No

Property Name: LOWER ANVIL CREEK JOINT VENTURE

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105-K-5 Lat. 62° 25' Long. 133° 45'

Location Description and Mode(s) of Access The claims are located along Lower Anvil Creek about 24 km northeast of Faro. Access is by helicopter from Faro.

Claim Name(s) GRAN, LORNA, ROTO, ARO Total Claims 140

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work Financed by: Cyprus Anvil Mining Corporation Preussag Canada Ltd.

Address : 330-355 Burrard St., Vancouver P.O. Box 316, T.D. Centre
TORONTO, Ontario

Mineral(s) of Economic Interest: _____

Geological Description of Occurrence: The joint venture area is underlain by the same stratigraphic sequence that contains the Faro Deposit. A large scale D₁ fold, also found at the Faro Deposit, locally repeats the stratigraphic section in the joint venture area.

WORK DONE IN 1976

Geological Mapping:

Claims Mapped

All

Scale

1"=1.000'

Geochemistry:

Method

Nil

Claims Sampled

Geophysics:

Method

Turam, I.P. Gravity

Claims Covered

All

Trenching and Stripping:

Area or Volume

Nil

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

DDH

BQ

2

489 m

GRAN-ARO

Results of work done: On GRAN 15, 77-LA-1 tested a gravity anomaly and cut 152 m of Anvil Batholith. On ARO 24, 77-LA-2 tested coincident gravity and turam anomalies and cut 337 m of Anvil Mine stratigraphy. No sulphides were noted.

A sessment Work Recorded in 1976:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: December 7, 1977

Signature: J.P. FRANZEN

Company: Cyprus Anvil Mining Corp.

Position: Geologist

MAIL TO:

M. R.

Geology Section

Indian and Northern Affairs

200 Range Road

Whitehorse, YUKON Y1A 3V1

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1977

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1976? Yes No

Property Name: URN

Former Name (if old showing): -

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105-K-6 Lat 62° 22' Long 133° 30'

Location Description and Mode(s) of Access North slope of Rose Mountain, 4 miles west of Faro open pit and concentrator.

Claim Name(s) URN 1 - 131 Total Claims 131

Owner(s) of Claims CYPRUS ANVIL MINING CORPORATION

Work financed by: Cyprus Anvil Mining Corporation

Address: 330 - 355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Barite.

Geological Description of Occurrence: Two barite horizons occur in the Devonian to Mississippian Earn Group. This horizon is probably the time equivalent of other BaSO₄-bearing horizons in eastern Selwyn Basin viz. TEA, TOM, JASON et al.

WORK DONE IN 1977

Geological Mapping:

Claims Mapped

Scale

URN 1 - 131

1" = 1,000'

Geochemistry:

Method

Claims Sampled

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On Which Claims?

Drilling:

Type

Size

No. of
Holes

Total Footage
or metres

On Which Claims?

Results of work done:

Assessment Work Recorded in 1977:

Physical Work

Geological Report

Geophysical Report

Geochemical Report

Drilling

Date: December 7, 1977

Signature: J. P. FRANZEN

Company: Cyprus Anvil Mining Corp.

Position: Geologist

cc.: Dr. G.J. Simpson
Cyprus Anvil

METALLGESELLSCHAFT CANADA LIMITED

WESTERN EXPLORATION OFFICE

824-602 WEST HASTINGS ST. VANCOUVER, B.C. V6B 1P2 TELEPHONE: (604) 681-2167

December 5, 1977

Y.A.

Mr. D. B. Craig
Regional Geologist
Indian and Northern Affairs
200 Range Road
Whitehorse, Yukon
Y1A 3V1

1977 Mineral Industry Report

Dear Sir,

a while ago, we received your letter of October 12, 1977, and the accompanying forms requesting information regarding exploration and development work in the Yukon, the information being used as an aid in the compilation of the 1977 Mineral Industry Report.

Metallgesellschaft Canada Ltd. is not operating an exploration program on its own in the Yukon. However, we are partners in a joint venture with Cyprus Anvil Mining Corporation for exploration on claim groups (LISA, FIN, FAT, ZAN, JET, TIM, TAF, Mx, SARK) on Map sheets 105 K 6/7, upon the progress of which Cyprus Anvil reports.

Sincerely yours,

F. W. Wellmer

F.-W. Wellmer
Exploration Manager -
Western Canada

November 7, 1977

Mr. D. B. Craig
Regional Geologist
Indian and Northern Affairs
200 Range Road
Whitehorse, Yukon
Y1A 3V1

Dear Doug,

With reference to your letter dated October 12, 1977, enclosed are "SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1977" forms for the following:properties:

Anise, Enob, Chzerpnough, Eros, MM/JJ/DE

Pig-Kate

Carmacks South Coal Leases

Carmacks North Coal Leases

Peel River Coal Exploration Licences

Five Fingers Coal Leases

Reports on properties in the Anvil area are in preparation and will be forwarded to you upon completion.

Yours truly,

CYPRUS ANVIL MINING CORPORATION

J. G. Simpson
Vice President, Exploration

Encl.

MAIL TO:

M. T. R.
Geology Section
Indian and Northern Affairs
200 Range Road
Whitehorse, YUKON Y1A 3V1

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1977

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1976? Yes No

Property Name: ANISE

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105 F-10 Lat 61° 40' Long 132° 45'

Location Description and Mode(s) of Access Located at South end of Seagull Lakes,
accessible by rough 4 x 4 road or by air.

Claim Name(s) ANISE 1 to 72 Total Claims 72

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work financed by: Cyprus Anvil Mining Corporation/Hudson's Bay Oil & Gas, Joint Venture

Address: 330-355 Burrard Street, Vancouver, B. C. V6C 2G8

Mineral(s) of Economic Interest: Lead, Zinc

Geological Description of Occurrence: Sulphide float occurs in area underlain
by Mississippian shales and volcanics.

WORK DONE IN 1977

Geological Mapping:

Claims Mapped

All claims

Scale

1" : 400 ft

Geochemistry:

Method

Fill-in soil sampling

Claims Sampled

ANISE 1 to 40

Geophysics:

Method

C.E.M., Radem, H.E.M., Turam,

Magnetic

Claims Covered

ANISE 1 to 48

Trenching and Stripping:

Area or Volume

Method

On Which Claims?

Drilling:

Type

Size

No. of Holes

Total Footage or metres

On Which Claims?

Results of work done: Numerous anomalies were detected which must be evaluated and tested by drilling

Assessment Work Recorded in 1977:

Physical Work

Geological Report

Geophysical Report

Geochemical Report

Drilling

Date: October 19, 1977

Signature: _____

Company: Cyprus Anvil Mining Corporation Position: Geologist

MAIL TO:

M. T. R.
Geology Section
Indian and Northern Affairs
200 Range Road
Whitehorse, YUKON Y1A 3V1

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1977

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1976? Yes No

Property Name: BNOB

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105 F-10 Lat 61° 35' Long 132° 30'

Location Description and Mode(s) of Access Located in McConnell Creek valley,
accessible by helicopter only.

Claim Name(s) BNOB 1 to 24 Total Claims 24

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work financed by: Cyprus Anvil Mining Corporation/Hudson's Bay Oil & Gas, Joint Venture

Address: 330 - 355 Burrard Street, Vancouver, B. C. V6C 2G8

Mineral(s) of Economic Interest: Lead, Zinc.

Geological Description of Occurrence: Disseminated galena occurs within a barite
horizon within Mississippian volcanics.

WORK DONE IN 1977

Geological Mapping:

Claims Mapped

All 24 claims

Scale

1" : 400 ft.

Geochemistry:

Method

C.E.M., Magnetics

Claims Sampled

All 24 claims

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On Which Claims?

Drilling:

Type

Size

No. of
Holes

Total Footage
or metres

On Which Claims?

Results of work done:

No anomalies of interest were discovered.

Assessment Work Recorded in 1977:

Physical Work

Geological Report

Geophysical Report

Geochemical Report

Drilling

Date: October 19, 1977

Signature: _____

Company: Cyprus Anvil Mining Corporation Position: Geologist

MAIL TO:

M. R.
Geology Section
Indian and Northern Affairs
200 Range Road
Whitehorse, YUKON Y1A 3V1

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1977

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1976? Yes No

Property Name: CHZERPNOUGH

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105 F-9 Lat 61° 36' Long 132° 26'

Location Description and Mode(s) of Access Near 7001 Peak east of McConnell River,
accessible by helicopter.

Claim Name(s) CHZERPNOUGH 1 to 16 Total Claims 16

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work financed by: Cyprus Anvil Mining Corporation/Hudson's Bay Oil & Gas, Joint Venture

Address: 330 - 355 Burrard Street, Vancouver, B. C. V6C 2G8

Mineral(s) of Economic Interest: Lead, Zinc

Geological Description of Occurrence: Disseminated galena and sphalerite occur
within Mississippian felsic tuffs close to a barite horizon.

WORK DONE IN 1977

Geological Mapping:

Claims Mapped

All 16 claims

Scale

1" : 400ft.

Geochemistry:

Method

C.E.M., Radem, Magnetics

Claims Sampled

All 16 claims

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On Which Claims?

Drilling:

Type

Size

No. of
Holes

Total Footage
or metres

On Which Claims?

Results of work done: No significant anomalies were detected.

Assessment Work Recorded in 1977: Physical Work

Geological Report Geophysical Report

Geochemical Report Drilling

Date: October 19, 1977 Signature: _____

Company: Cyprus Anvil Mining Corporation Position: Geologist

MAIL TO:

M.T.R.

Geology Section

Indian and Northern Affairs

200 Range Road

Whitehorse, YUKON Y1A 3V1

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1977

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1976? Yes No

Property Name: EROS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105 F-9 Lat 61° 36' Long 132° 21'

Location Description and Mode(s) of Access Located west of the Ketzka River;
accessible only by helicopter.

Claim Name(s) EROS 1 to 8 Total Claims 8

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work financed by: Cyprus Anvil Mining Corporation/Hudson's Bay Oil & Gas, Joint Venture.

Address: 330-355 Burrard Street, Vancouver, B. c. V6C 2G8

Mineral(s) of Economic Interest: Lead, Zinc

Geological Description of Occurrence: The claims cover geochemically anomalous gossan zones which occur in an area underlain by Mississippian volcanics and shales.

No outcropping mineral showings have been discovered on the claims.

WORK DONE IN 1977

Geological Mapping:

Claims Mapped

Scale

Geochemistry:

Method

Claims Sampled

Soils

All 8 claims

Geophysics:

Method

Claims Covered

C.E.M., Magnetics

All 8 claims

Trenching and Stripping:

Area or Volume

Method

On Which Claims?

Drilling:

Type

Size

No. of Holes

Total Footage or metres

On Which Claims?

Results of work done: Coincident EM and geochemical anomalies were detected on the claim group.

Assessment Work Recorded in 1977:

Physical Work

Geological Report

Geophysical Report

Geochemical Report

Drilling

Date: October 19, 1977

Signature: _____

Company: Cyprus Anvil Mining Corporation Position: Geologist

MAIL TO:

M.T.R.
Geology Section
Indian and Northern Affairs
200 Range Road
Whitehorse, YUKON Y1A 3V1

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1977

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1976? Yes No

Property Name: MM/JJ/DD

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105 F-7 Lat 61° 27' Long 132° 40'

Location Description and Mode(s) of Access On tributary of Seagull Creek,
accessible by helicopter only.

Claim Name(s)	<u>MM JJ DD</u>	Total Claims	<u>189</u>
	<u>MM 76 JJ 81 DD 32</u>		

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work financed by: Cyprus Anvil Mining Corporation/Hudson's Bay Oil & Gas, Joint Venture

Address: 330-355 Burrard St., Vancouver, B. C. V6C 2G8

Mineral(s) of Economic Interest: Zinc, Lead (Silver, Copper)

Geological Description of Occurrence: Massive sulphide deposit associated with barite horizon in felsic volcanics of Mississippian age.

WORK DONE IN 1977

Geological Mapping:

Claims Mapped

Scale

Geochemistry:

Method

Claims Sampled

Soils

DD 1 - 32

Geophysics:

Method

Claims Covered

Magnetics, C.E.M.

DD 1 to 32

Trenching and Stripping:

Area or Volume

Method

On Which Claims?

Drilling:

Type

Size

No. of
Holes

Total Footage
or metres

On Which Claims?

Diamond

BQ

4

5388 ft.

MM 7

Results of work done: Drilling intersected several narrow sulphide zones.

Assessment Work Recorded in 1977: Physical Work

Geological Report

Geophysical Report

Geochemical Report

Drilling

Date: October 19, 1977

Signature: _____

Company: Cyprus Anvil Mining Corporation **Position:** Geologist

MAIL TO:

M. T. R.
Geology Section
Indian and Northern Affairs
200 Range Road
Whitehorse, YUKON Y1A 3V1

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1977

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1976? Yes No

Property Name: PIG-KATE

Former Name (if old showing): OKE, NORKEN or FOOL Claims

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105 J-2 & 7 Lat 62° 15' Long 130° 38'

Location Description and Mode(s) of Access Claims located 12 miles northwest of Traffic Mountain; accessible by helicopter from Ross River.

Claim Name(s) PIG 1 - 50 Total Claims 120

ATE 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28,

33 - 60, 65 - 92

Owner(s) of Claims Cyprus Anvil Mining Corporation and Welcome North Mines

Work financed by: Cyprus Anvil Mining Corporation

Address: 330 - 355 Burrard Street, Vancouver, B. C. V6C 2G8

Mineral(s) of Economic Interest: Lead - Zinc

Geological Description of Occurrence: Lead and zinc anomalous values in soils were obtained over grey chert and shale interbedded with black graphitic chert and shale of Ordovician to Devonian age. Irregular and discontinuous small skarns with chalcopryrite, galena and sphalerite occur in underlying calc-silicates. Source of anomalous lead-zinc geochemistry appears to originate from minor galena and spalerite mineralization in light grey chert and shale. Potentially economic lead-zinc mineralization was not discovered. Several conductors, outlined by the ground electromagnetic survey, appear to be related to several narrow beds of black graphitic chert and shale.

WORK DONE IN 1977

Geological Mapping:

Claims Mapped

Scale

ALL KATE Group

PIG 1 - 8, 17 - 24, 33 - 42

1" = 400 feet

Geochemistry:

Method

Claims Sampled

Soil sampling on grid lines

ALL KATE Group,

PIG 1 - 4, 17 - 20, 33 - 38

Geophysics:

Method

Claims Covered

Ground magnetometer and various
ground electromagnetic methods

KATE 34, 36, 38, 40, 42, 44, 46, 48

50, 65, 67, 69, 71, 73, 75, 77, 79, 81

Trenching and Stripping:

Area or Volume

Method

On Which Claims?

Drilling:

Type

Size

No. of Holes

Total Footage or metres.

On Which Claims?

Results of work done: Results summarized on previous page under heading
"Geological Description of Occurrence".

Assessment Work Recorded in 1977:

Physical Work

Geological Report

Geophysical Report

Geochemical Report

Drilling

Date: October 20, 1977

Signature: _____

Company: Cyprus Anvil Mining Corporation Position: Geologist

WORK DONE IN 1977

Geological Mapping:

Claims Mapped

Scale

Nil

Geochemistry:

Method

Claims Sampled

Nil

Geophysics:

Method

Claims Covered

Resistivity, IP, Gravity, EM 16

2949, 2954, 2965, 2967, 2976-2980 incl.

Trenching and Stripping:

Area or Volume

Method

On Which Claims?

Nil

Drilling:

Type

Size

No. of
Holes

Total Footage
or metres

On Which Claims?

Nil

Results of work done: Drill targets outlined.

Assessment Work Recorded in 1977:

Physical Work (To be recorded)

Geological Report

Geophysical Report

Geochemical Report

Drilling

Date: _____

Signature: _____

Company: Cyprus Anvil Mining Corp.

Position: Geologist

R.P. Hill

MAIL TO:

M.T.R.
Geology Section
Indian and Northern Affairs
200 Range Road
Whitehorse, YUKON Y1A 3V1

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1977

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1976? Yes No

Property Name: Carmacks North Coal Leases (adjacent to Tantalus Butte Mine)

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 115 I 1 Lat 62° 15' Long 136° 07'

Location Description and Mode(s) of Access 3 miles NNW of Carmacks.

Access from Mile 106, Klondike Highway.

Claim Name(s) Coal Mining Lease 2959, Lot 23 Total Claims _____

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work financed by: Cyprus Anvil Mining Corporation

Address: 330 - 355 Burrard Street Vancouver, B.C. V6C 2G8

Mineral(s) of Economic Interest: Coal

Geological Description of Occurrence: Coal seams within Tantalus Formation of

Upper Jurassic to Lower Cretaceous age.

WORK DONE IN 1977

Geological Mapping:

Claims Mapped

Scale

Nil

Geochemistry:

Method

Claims Sampled

Nil

Geophysics:

Method

Claims Covered

Resistivity, IP, Gravity

C.M.L. 2959

EM 16, Down-hole logging

Trenching and Stripping:

Area or Volume

Method

On Which Claims?

Trenching - 6 trenches

Bulldozer

C.M.L. 2959

Stripping - 20,000 tons
coal

Bulldozer and
Scraper

C.M.L. 2959

Drilling:

Type

Size

No. of
Holes

Total Footage
or metres

On Which Claims?

Rotary/Percussion 5½"

42

11,407 ft.

C.M.L. 2959 and Lot 23

Results of work done:

Further reserves outlined.

Assessment Work Recorded in 1977: Nil Physical Work

Geological Report

Geophysical Report

Geochemical Report

Drilling

Date: _____

Signature: _____

R.P. Hill

Company: Cyprus Anvil Mining Corp.

Position: Geologist

MAIL TO:

M. R.
Geology Section
Indian and Northern Affairs
200 Range Road
Whitehorse, YUKON Y1A 3V1

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1977

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1976? Yes No

Property Name: Peel River Coal Exploration Licences

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 106 E 14 Lat 65° 55' Long 135° 00'

Location Description and Mode(s) of Access 160 miles north of Mayo. Access by helicopter from Mayo.

Claim Name(s) Coal Exploration Licences Nos. 46 and 47 Total Claims _____

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work financed by: Cyprus Anvil Mining Corporation

Address: 330, 355 Burrard Street, Vancouver, B.C. V6C 2G8

Mineral(s) of Economic Interest: Lignite

Geological Description of Occurrence: Lignite seams in Lower Cretaceous to Tertiary Upper Bonnet Plume Formation.

WORK DONE IN 1977

Geological Mapping:

Claims Mapped

Scale

All

1:250,000

Geochemistry:

Method

Claims Sampled

Nil

Geophysics:

Method

Claims Covered

Nil

Trenching and Stripping:

Area or Volume

Method

On Which Claims?

Nil

Drilling:

Type

Size

No. of
Holes

Total Footage
or metres

On Which Claims?

Nil

Results of work done: _____

Assessment Work Recorded in 1977:

Physical Work ~~(to be recorded)~~

Geological Report

Geophysical Report

Geochemical Report

Drilling

Date: _____

Signature: _____

R. P. Hill

Company: Cyprus Anvil Mining Corp.

Position: Geologist

MAIL TO:

M. R.
Geology Section
Indian and Northern Affairs
200 Range Road
Whitehorse, YUKON Y1A 3V1

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1977

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1976? Yes No

Property Name: Five Fingers Coal Leases

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 115 I 1 Lat ° ' Long ° '

Location Description and Mode(s) of Access Eight miles MNW of Carmacks.

Access by boat on Yukon River or helicopter from armacks.

Claim Name(s) Lots 4, 5 and 6, Coal Mining Lease 2964 Total Claims _____

Owner(s) of Claims Cyprus Anvil Mining Corporation and Teslin Exploration Ltd.

Work financed by: Cyprus Anvil Mining Corporation

Address: 330 - 355 Burrard Street, Vancouver, B.C. V6C 2G8

Mineral(s) of Economic Interest: Coal

Geological Description of Occurrence: Coal seams within mid-Jurassic Laberge Group.

WORK DONE IN 1977

Geological Mapping:

Claims Mapped

Scale

All

1:50,000

Geochemistry:

Method

Claims Sampled

Nil

Geophysics:

Method

Claims Covered

Nil

Trenching and Stripping:

Area or Volume

Method

On Which Claims?

Nil

Drilling:

Type

Size

No. of Holes

Total Footage or metres

On Which Claims?

Nil

Results of work done: _____

Assessment Work Recorded in 1977:

Physical Work (To be recorded)

Geological Report

Geophysical Report

Geochemical Report

Drilling

Date: _____

Signature: _____

R.P. Hill

Company: Cyprus Anvil Mining Corp.

Position: Geologist



Geology Section
200 Range Road
Whitehorse, Yukon
Y1A 3V1

Your file Votre référence

Our file Notre référence

October 12, 1977

Dear Sirs:

As has been the custom for several years, we are sending out forms requesting information regarding exploration and development work carried out in the Yukon by your company during 1977. This information is used as an aid in the compilation of our 1977 Mineral Industry Report. All reports will be submitted to you for corrections and approval before publication. I would appreciate if you would return the form(s) by the middle of November. Thank you in advance for your cooperation.

Sincerely yours,

D.B. Craig
D.B. Craig
Regional Geologist
Yukon

DBC/jds

*Cerbyn.
Copies of enclosed to all geologists
for project updates - also copies
of geoscience Forum book*

May 31, 1977

Mr. W. D. Sinclair
Acting Regional Geologist
Geology Section
200 Range Road
Whitehorse, Yukon
Y1A 3V1

Dear Sir:

In reply to your letter dated May 4th, we enclose herewith copies of reports for inclusion in the D.I.A.N.D. Mineral Industry Report, Yukon Territory 1976, as follows:

- Anvil Mine
- Lower Anvil Creek
- North Anvil Range
- Tantalus Butte Mine

We will be conducting operations in the Yukon this summer in the Faro, MacMillan, Pelly and Carmacks area.

Also enclosed please find a copy of our 1976 Annual Report.

Yours very truly,

CYPRUS ANVIL MINING CORPORATION

J. G. Simpson
Vice President, Exploration

Encl.

ANVIL MINE
Cyprus Anvil Mining Corporation

Lead, Zinc, Silver
105 K 2, 3, 6
(62°21'N, 133°22'W)

References: Chisholm (1957); Roddick and Green (1961a); Green and Godwin (1964, pp. 31-32); Green (1965, pp. 36-37; 1966, pp. 47-50); Findlay (1967, pp. 35-39; 1969a, pp. 43-45; 1969b, pp. 29-30); Tempelman-Kluit (1972); Craig and Laporte (1972, pp. 94-96); Brock (1973); Sinclair and Gilbert (1975, pp. 50-52); Sinclair et al (1975, pp. 128-129); Sinclair et al (1976, pp. 115-116).

Claims: FARO, GAL, ED, SUN, RICH, DY, GALE, DEA, LEA, PEA, SEA, SB, DP, KAY, MOR, SINK, LO, TIE, ROCK, BILL: approximately 1,600 claims

Location and Access:

The Anvil Mine is situated 230 km northeast of Whitehorse in the Anvil Range. Ore concentrates are trucked to Whitehorse via roughly 402 km of all-weather roads and then transferred to the White Pass and Yukon Route for shipment by rail to Skagway.

History:

The mine was brought into production late in 1969 and, except for brief shutdowns due to labour problems, has been in continuous production since. In 1975, Anvil merged with Dynasty Explorations Limited to form Cyprus Anvil Mining Corporation.

Description:

The host rocks on the property consist of pelitic schists which are overlain by calc-silicate phyllite (Unit 2, Tempelman-Kluit, 1972). The regional trend of the schist and phyllite is to the northwest, with dips averaging 20°-30° to the southwest. ^{Essentially} ~~Locally~~ the structure is complex, with at least five stages of deformation ^{including two regional metamorphic events} ~~recognized by company geologists~~. The ore occurs in a ^{as disseminated and} ~~series of~~ massive sulphide zones along a ~~7,600~~ foot strike length. The ore zones are tabular in longitudinal section and lenticular in cross section and ^{with complex superposed fold pattern} ~~are generally conformable to the enclosing schist and phyllite host rocks~~. Galena and sphalerite, associated with pyrite ^{and chalcopirite} and pyrrhotite are the principal sulphide minerals. ^{Barite is the principal sulfate mineral}

Current Work and Results:

Additional gravity and Turam surveys were conducted and some of the claims were geologically mapped on scales of 1 inch = 200 feet and 1 inch = 1,000 feet. A new geological map for the Anvil Range was completed for company use.

The 1976 diamond drilling program consisted of 25 holes totalling 25,000 feet (7,620 m). On the DY claims a 200-foot section of banded and massive sulphides, identical to rock types found on the edge of the GRUM deposit, was encountered at a depth of 2,000 feet (610 m). Assays were not of economic grade but further drilling is planned. Immediately northeast of the Anvil Mine drilling failed to produce additional reserves, but low grade lead-zinc sulphides were intersected on the SB group under Swim Lake.

OPERATING SUMMARY - 1973-1976

	1976	1975	1974	1973
Tons Milled	1,675,381	3,225,083	2,925,359	2,899,124
Daily rate (tons)		8,983	8,865	7,942
Mill Heads:				
Lead (%)	2.66	9.44)	10.11)	11.25)
Zinc (%)	5.48	combined)	combined)	combined)
Silver (oz/ton)	1	1	1	1
Ore reserves (tons)	44,700,000	46,400,000	49,674,000	52,599,000

Annual Report 1976.

LOWER ANVIL CREEK
Cyprus Anvil Mining Corporation
Preussag Canada Limited

105 K 5
(62°27'N, 133°48'W)

References: Roddick and Green (1961a); Tempelman-Kluit (1972); Sinclair and Gilbert (1975, p. 56).

Claims: LORNA 1-40; ARO 1-40 50, 59; GRAN 1-6, 13-24; ROTO 17-50

Location and Access:

The claims are located along lower Anvil Creek about 24 km northwest of Faro. Access is by helicopter from Faro.

History:

The claims were staked in 1970 following airborne magnetic and EM surveys. The claims have been mapped and one 576 foot hole was drilled.

Description:

The claims are situated in the same stratigraphic package that contains the Faro-Vangorda deposits. In particular, the claims are underlain by calcareous phyllite and calc-silicate unit rocks with some graphitic conductors indicated.

Current Work and Results:

Gravity and Turam surveys were conducted on the ROTO, LORNA and ARO groups. A number of weak coincident Turam and gravity anomalies were located.

NORTH ANVIL RANGE
Cyprus Anvil Mining Corporation
Metallgesellschaft Canada Limited

Lead, Zinc, Silver
105 K 6, 7
(62°20'N, 133°00'W)

Reference: Tempelman-Kluit (1972).

Claims: AM, FAT, FIN, JET, LISA, MX, SARK, TAF, TIM, ZAN: A total of 400 claims

Location and Access:

The claims are situated north of the Anvil Batholith about 13 km from the Anvil Mine. Access is by helicopter from Faro.

Description:

The claims are underlain by a variety of rock types which include, from oldest to youngest, a high grade metamorphic schist of siliceous to pelitic composition lying adjacent to the Anvil Batholith, the Faro sequence, a calc-silicate unit, and pelitic phyllites with marked graphitic horizons. Overlying this sequence of rocks is the KD volcanic package of rocks.

Current Work and Results:

Gravity and Turam surveys were conducted on the claims.

TANTALUS BUTTE MINE

Cyprus Anvil Mining Corporation

Teslin Explorations Limited - *They have NO interest in the mine, only in their lease (2963-2969)* (62°08'N, 136°16'W)

Coal

115 I 1

References: Bostock (1936, pp. 59-62); Green (1966, pp. 121-124); Findlay (1967, p. 88; 1969a, p. 15; 1969b, pp. 66-67); Craig and Laporte (1972, pp. 155-156); Sinclair and Gilbert (1975, pp. 121-122); Sinclair et al (1975, p. 168; 1976, p. 172).

Lots and Leases: Leases 2949-2955, 2959, 2963-2980; Lots 23, 24, 10, 11

Location and Access:

The mine is situated on the north bank of the Yukon River, 6.4 km north of Carmacks and 1 km from the Whitehorse-Mayo Road.

History:

The Tantalus Butte Mine began operation in 1923, supplying coal to Carmacks and Dawson and later the mill at United Keno Hill Mines, Elsa, until 1967. In 1969, the mine began supplying coal to the Anvil Mine where it is used for plant heating and concentrate drying.

Description:

0 to 14 feet

The coal occurs in the Tantalus Formation of Upper Jurassic (?) and Lower Cretaceous age, consisting of conglomerate with lesser amounts of sandstone, shale and a few coal seams. The main seam ranges from 8 to 10 feet thick, strikes north and dips 45° to 70° west. The seam is displaced by steeply-dipping, northeast- to northwest-trending faults. Although fault displacement is only on the order of a few feet or more, mining is rendered difficult. The coal is a high volatile, bituminous coal with calorific value ranging from 11,000 to 12,700 BTU. Samples are agglomerating with a swelling index of 1 (ASTM) and are not suitable for metallurgical grade coke (Green, 1966, p. 124). There is also another coal horizon near the top of the Laberge Group (Lower to Middle Jurassic).

Current Work and Results:

Exploration Work in 1976 consisted of geological mapping, bulldozer *trenching* stripping and the drilling of 16 diamond drill holes of HQ size for a total footage of 10,070 feet (3,069 m). Production was ~~considerably lower at 4,042 tons.~~

wrong → 9,974 tons underground
20,000 tons open pit.

Print

*Issue
America
Peeby
Com...*

Geology Section
200 Range Road
Whitehorse, Yukon
Y1A 3V1

~~February 25, 1977~~

MAY - 4 1977

Dear Sir:

Enclosed are reports on each of your properties in the Yukon which have been prepared for inclusion in the D.I.A.N.D. Mineral Industry Report, Yukon Territory 1976. I would appreciate your checking it for accuracy and deleting any information you wish to be omitted. Please feel free to add any pertinent material. One copy of each report should be returned with your comments, the second copy is for your files. Your prompt attention to this matter will be greatly appreciated.

We would appreciate if you could also let us know whether you will be operating in the Yukon this summer and in what general area(s).

Yours truly,

W.D. Sinclair

W.D. Sinclair
Acting Regional Geologist

would appreciate copy of 1976 Annual Report.

*Corbyn
I need corrected copy of T.B. as is
I one copy of others together
with annual report and
suitable reply
*[Signature]**

April 22, 1977

Mr. W. D. Sinclair
Acting Regional Geologist
Indian and Northern Affairs
Geology Section
200 Range Road
Whitehorse, Yukon
Y1A 3V1

Dear Sir:

Enclosed herewith please find completed "Summary of Exploration and Development Work Performed in 1976" for the Faro Area, North Anvil Range, Lower Anvil Creek and Carmacks coal property.

Yours very truly,

CYPRUS ANVIL MINING CORPORATION

J. G. Simpson
Exploration Manager

/cb
Encl.

Regional Geologist
Indian and Northern Affairs
200 Range Road
Whitehorse, Yukon Y1A.3V1

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1976

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1976? Yes No

Property Name: ANVIL CLAIMS (contiguous FARO-SWIM areas)

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105-K-2,3,5,6,7 Lat. ___° ___' Long. ___° ___'

Location Description and Mode(s) of Access _____

Claim Name(s) Numerous Total Claims 1,600

Owner(s) of Claims Cyprus Anvil Mining Corporation and Pelly River Mines

Work Financed by: Cyprus Anvil Mining Corporation and Pelly River Mines

Address : 330 - 355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Pb, Zn, Ag (Cu)

Geological Description of Occurrence: As previous.

Will update on 1975 report geology when forwarded for approval. New Group terminology,

FARO GROUP, MT. MYE GROUP, VANGORDA GROUP, etc.

Results of Work - Significant mineralization was discovered on the DY claims southeast of

the Vangorda Deposit. A 200' section containing banded and massive sulphides, with rock

types identical to margins of Grum Deposit, was found at a depth of 2,000'. Although

assays are not economical, further drilling is planned to follow-up this intersection in

1977. Additional drilling immediately northeast of the Faro pit failed to produce any

significant additional reserves. Drilling in the SB sulphide deposit under Swim Lake

outlined extensive sulphides but with low lead-zinc content. A new geological map of the

Anvil Range, north and south of Batholith, has been completed. This new interpretation is

based on re-assessment of geological data and "fill-in" Turam and gravity surveys.

WORK DONE IN 1976

Geological Mapping:

Claims Mapped

Various

Scale

1" = 200'

1" = 1,000'

Geochemistry:

Method

None

Claims Sampled

Geophysics:

Method

Turam

Gravity

Claims Covered

Numerous

Trenching and Stripping:

Area or Volume

None

Method

On which Claims?

Drilling:

Type

D.D.

Size

NQ/BQ

No. of
holes

25

Total
Footage

25,000

On which Claims?

FARO, GALE, DY, BILL

Results of work done: As described over.

Assessment Work Recorded in 1976:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: April 22/77

Signature: W. Roberts

Company: CYPRUS ANVIL

Position: Geologist

Regional Geologist
Indian and Northern Affairs
200 Range Road
Whitehorse, Yukon Y1A.3V1

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1976

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1976? Yes No

Property Name: NORTH ANVIL RANGE

Former Name (if old showing): Mr. Mye, Kangaroo, etc.

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105 K 6 Lat. ° ' " Long. ° ' "

Location Description and Mode(s) of Access North of Anvil Batholith.

Claim Name(s) Sark, Fat, Fin, Zan, Mx, etc. Total Claims 400

Owner(s) of Claims Cyprus Anvil Mining Corporation Canada Ltd.

Work Financed by: Cyprus Anvil Mining Corporation and Metallgesellschaft
330 - 355 Burrard Street 824, 602 West Hastings
Address : Vancouver, B.C. Vancouver, B.C.

Mineral(s) of Economic Interest: Pb/Zn/Ag

Geological Description of Occurrence: _____

Repeat of Faro sequence with an older silicious to pelitic high
grade schist unit adjacent to the batholith, followed by a calc-
silicate unit and pelitic phyllites with marked graphitic
horizon. This sequence overlain by KD Volcanic group. Target
rocks - Vangorda Group graphitic phyllitic equivalents.

WORK DONE IN 1976

Geological Mapping:

Claims Mapped

Various

Scale

1" = 200'

1" = 1,000'

Geochemistry:

Method

None

Claims Sampled

Geophysics:

Method

Turam

Gravity

Claims Covered

Numerous

Trenching and Stripping:

Area or Volume

None

Method

On which Claims?

Drilling:

Type

D.D.

Size

NQ/BQ

No. of holes

25

Total Footage

25,000

On which Claims?

FARO, GALE, DY, BILL

Results of work done: As described over.

Assessment Work Recorded in 1976:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: April 22/77

Signature: W. Roberts

Company: CYPRUS ANVIL

Position: Geologist

Regional Geologist
Indian and Northern Affairs
200 Range Road
Whitehorse, Yukon Y1A.3V1

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1976

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1976? Yes No

Property Name: LOWER ANVIL CREEK

Former Name (if old showing): Lorna

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105 K 5 Lat. ° ' Long. ° '

Location Description and Mode(s) of Access Lower Anvil Creek

10 miles northwest of Faro.

Claim Name(s) Lorna, Aro, Gran, Roto Total Claims 150

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work Financed by: Cyprus Anvil Mining Corp. and Preussag Canada Limited
330 - 355 Burrard Street P. O. Box 316, T.D. Centre
Address: Vancouver, B.C. Toronto, Ontario

Mineral(s) of Economic Interest: _____

Geological Description of Occurrence: _____

Continuation of Faro-Vangorda sequence mainly underlain by
calcareous phyllite and calc-silicate unit rocks, with some
graphitic conductors indicated.

WORK DONE IN 1976

Geological Mapping:

Claims Mapped

Scale

Geochemistry:

Method

Claims Sampled

Geophysics:

Method

Claims Covered

Turam

Roto, Lorna, Aro

Gravity

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: A number of weak gravity anomalies coincident
with Turam conductors are scheduled for verification and drill
target selection.

Assessment Work Recorded in 1976:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: April 22/77

Signature: W. Roberts

Company: CYPRUS ANVIL

Position: Geologist

Regional Geologist
Indian and Northern Affairs
200 Range Road
Whitehorse, Yukon Y1A.3V1

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1976

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1976? Yes No

Property Name: CARMACKS COAL LEASES

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 115-I-1 Lat. 62° 05' Long. 136° 15'

Location Description and Mode(s) of Access Carmacks Area

Access from Klondike Highway.

Claim Name(s) _____ Total Claims _____

C.M.L. #2949-2956, 2959, 2963-2980.

Owner(s) of Claims Cyprus Anvil Mining Corporation and Teslin Explorations Ltd.

Work Financed by: Cyprus Anvil Mining Corporation

Address : 330 - 355 Burrard Street, Vancouver, B.C., V6C 2G8

Mineral(s) of Economic Interest: Coal

Geological Description of Occurrence: Two coal horizons - one near top of Laberge Group (Lower and Middle Jurassic), the other within Tantalus Formation (Upper Jurassic and/or Lower Cretaceous).

WORK DONE IN 1976

Geological Mapping:

Claims Mapped

All
CML 2959

Scale

1" = 800'
1" = 200'

Geochemistry:

Method

None

Claims Sampled

Geophysics:

Method

None

Claims Covered

Trenching and Stripping:

Area or Volume

Not known

Method

Bulldozer

On which Claims?

2959, 2954, 2949

Drilling:

Type

Diamond

Size

HQ

No. of holes

16

Total Footage

10,070

On which Claims?

2959, 2954, 2949

Results of work done: Definition of structure; quality data obtained;
rough calculation of reserves.

Assessment Work Recorded in 1976:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: March 31, 1977

Signature: *Richard Hill*

Company: CYPRUS ANVIL MINING CORP.

Position: Geologist



Indian and
Northern Affairs

Affaires indiennes
et du Nord

Geology Section
200 Range Road
Whitehorse, Yukon
Y1A 3V1

Your file Votre référence

March 18, 1977

Our file Notre référence

Mr. J.G. Simpson
Exploration Manager
Cyprus Anvil Mining Corporation
330 - 355 Burrard Street
Vancouver, B.C.
V6C 2G8

Dear Glenn:

Thanks very much for the return of the property reports for the 1976 Mineral Industry Report. We do indeed require further information on the Faro area, North Anvil Range, Lower Anvil Creek and Carmacks coal properties and would appreciate having the enclosed forms filled out and returned. Jim Morin has the information on the MM property and is writing up a detailed report including the results of his own investigations. This report will be forwarded ~~to~~ for your approval when it is completed.

Yours very truly,

W.D. Sinclair
Acting Regional Geologist

WDS/jds
Enclosure

March 16, 1977

Mr. W. D. Sinclair
Acting Regional Geologist
Department of Indian and
Northern Affairs
Geology Section
200 Range Road
Whitehorse, Y.T.
Y1A 3V1

Dear Dave,

Re: 1976 - D.I.A.N.D.
Mineral Industry Reports

I am returning copies of reports sent under your letter of 10 March, 1977, all of which are quite acceptable and require no further amendment.

I note that you did not include anything on:

- (a) Faro area,
- (b) North Anvil Range,
- (c) MM property,
- (d) Carmacks coal,
- (e) Lower Anvil Creek.

If you require anything on these, all of which were worked on extensively in 1976, please let me know. We will be doing more of the same for 1977, with expanded drill programs at Faro and DY in the Anvil belt, plus more work in the areas east of Swim Lake. Drilling will continue at the MM property and we will still be involved with joint ventures

Mr. W. D. Sinclair

-2-

March 16, 1977

in Lower Anvil Creek with Preussag, North Anvil Range with Metallgesellschaft, and in the Pelly and MacMillan areas with Hudson's Bay Oil and Gas. Some work is also planned on the Carmacks and Peel River coal deposits.

Yours truly,

CYPRUS ANVIL MINING CORPORATION

J. G. SIMPSON
Exploration Manager

GGG/cb
Attach.



Indian and
Northern Affairs

Affaires indiennes
et du Nord

Geology Section
200 Range Road
Whitehorse, Yukon
Y1A 3V1

February 25, 1977

MAR 10 1977

Your file Votre référence

Our file Notre référence

Dear Sir:

Enclosed are reports on each of your properties in the Yukon which have been prepared for inclusion in the D.I.A.N.D. Mineral Industry Report, Yukon Territory 1976. I would appreciate your checking it for accuracy and deleting any information you wish to be omitted. Please feel free to add any pertinent material. One copy of each report should be returned with your comments, the second copy is for your files. Your prompt attention to this matter will be greatly appreciated.

We would appreciate if you could also let us know whether you will be operating in the Yukon this summer and in what general area(s).

Yours truly,

W.D. Sinclair
Acting Regional Geologist

Cornwallis }
Fero }
N.A.R }
M117 }

Could do we have copies
of what we originally sent
out on this

GREMLIN
Cyprus Anvil Mining Corporation

Copper
106 E 2
(65°11'N, 134°38'W)

Refer in this OK
OK

Reference: Norris (1975).

Claims: GREMLIN 1-12

Location and Access:

The property is located 10 miles west of the Bonnet Plume River and 10 miles south of Margaret Lake, about 120 miles north of Mayo. Access is provided by float plane to Kiwi Lake, about 1 mile to the north.

History:

The claims were staked during August 1975, as a follow-up on a Cu geochemical anomaly determined by a regional stream sediment geochemical program. In 1975, the property was subjected to preliminary geochemical soil sampling.

Description:

The area is underlain by a series of argillite and volcanic rocks of Helikian age, Unit H0 of Norris (1975) that have been intruded by a concordant breccia body. Further mapping by company geologists has subdivided Unit H0 into three subunits in the vicinity of the GREMLIN claims:

- Lower Volcanic Unit - consists of several hundred feet of ~~sheared,~~ slaty, grey-green tuff overlain by approximately 400 feet of breccia. The breccia consists of abundant angular blocky clasts of volcanics and jasper with hematite and carbonate forming the matrix and has locally contact metamorphosed the tuff into a chloritoid schist with prominent chloritoid porphyroblasts.
- Argillite Unit - overlies the Lower Volcanic Unit and consists predominantly of dark brown to black shale, about 1,500 feet to 2,500 feet thick. Within the Unit, two ~~50~~ ft, thick horizons of dark grey, chocolate brown weathering, coarsely crystalline dolomite occur, each capped by a few feet of light grey, pyritic chert.
- Upper Volcanic Unit - overlies the Argillite Unit and consists of several hundred feet of medium green chlorite-sericite schist, the base being a 100 foot thick bed of pale pink chert.

Mineralization is exposed along the walls of a narrow canyon and consists of the following associations:

- 1) pyrite and chalcopyrite as disseminated grains within the thin chert horizons, possibly parallel to bedding;
- 2) as siderite-quartz-pyrite-chalcopyrite (rare ~~erythrite~~^{cobaltite}) veins in the dolomite and uncommonly in the underlying shale;
- 3) as azurite and malachite within black shale both above and below the chert horizons;
- 4) pyrite and chalcopyrite as irregular coarse clumps in the breccia matrix and disseminated within the clasts.

Current Work and Results:

The area around the property was geologically mapped (1 inch = 1/2 mile) and soil sampled (Cu, Pb, Zn) along elevation contours during summer 1976. The property itself was subjected to detailed geological mapping (1 inch = 400 feet) and geochemical soil and silt sampling for Cu, Pb, Zn. Soil samples were collected at 135 foot intervals along the 2,900 foot and 2,500 foot elevation contours, but no significant new anomalies were determined. Recommended further work includes geological mapping at a more detailed scale, ground magnetic survey and hand trenching.

DC P. Dea-

CHZERPNOUGH
Cyprus Anvil Mining Corporation Limited

Lead, Zinc, Barite
105 F 9
(61°36'N, 132°26'W)

Reference: Wheeler et al (1960).

Claims: CHZERPNOUGH 1-16

Location and Access:

The property is located at the head of Cloutier Creek, immediately south of Peak 7001. Access is by helicopter from Ross River 30 miles to the north.

History:

Claims CHZERPNOUGH 1-16 were recorded in August 1976. The claim group covers showings which were discovered during a regional prospecting program carried out by the Pelly Project, a joint venture exploration program undertaken during 1976 by Cyprus Anvil Mining Corporation and Hudson Bay Oil and Gas.

Description:

The property is underlain by felsic volcanoclastic rocks of Mississippian age. A lapilli tuff with abundant carbonate in the matrix is the most common rock unit and the one which hosts the mineralized showings. Mineralization consists of talus occurrences of a sugary textured barite unit with disseminated sphalerite, galena and fluorite.

Current Work and Results:

During summer 1976, geochemical soil sampling and detailed prospecting were carried out. Soil samples (318) were collected at 200 foot intervals along grid lines spaced 400 feet apart and analyzed for Cu, Pb, Zn. A large area of anomalous Pb-Zn response was determined which partially coincided with the known showings. Further work was recommended by a company geologist to consist of detailed geological mapping, hand trenching, magnetic and electromagnetic surveys.

OK V. Deen

ANISE
Cyprus Anvil Mining Corporation Limited

105 F 10
(61°40'N, 132°45'W)

Reference: Wheeler et al (1960).

Claims: ANISE 1-64

Location and Access:

The property is located in Seagull Creek Valley immediately south of Seagull Lakes. Access is provided by helicopter or float plane from Ross River, 30 miles to the north. A tote road passable by 4 wheel-drive vehicles passes through the claim group and connects it with the South Canal Road at Groundhog Creek, 12 miles to the west.

History:

ANISE claims 1-48 were recorded in July 1976 and 49-64 in August 1976. The claims were staked to cover geochemical anomalies and float occurrences of galena, sphalerite and pyrrhotite found as a result of a regional prospecting program by the Pelly Project, a joint venture exploration program carried out by Cyprus Anvil Mining Corporation and Hudson Bay Oil and Gas.

Description:

The property lies in an overburden covered valley bottom area and little bedrock is exposed. Those rocks which do outcrop are black, pyritic shale and schistose greyish-green volcanics of intermediate composition and probable Mississippian age. The linear nature of the valley suggests that it marks the site of a NW-SE trending fault, the "Seagull Fault". West of Seagull Valley, shale and limestone of the Kechika Formation of Cambrian to Ordovician age occur whereas east of the Valley, Mississippian volcanic rocks of intermediate composition occur.

Current Work and Results:

During summer 1976, geochemical soil sampling and prospecting programs were carried out. Soil samples (626) were collected at 200 foot intervals along grid lines spaced 800 feet apart and analyzed for Cu, Pb and Zn. The soil sampling determined numerous isolated and erratic anomalies, but no well defined anomalous zones. Further work consisting of magnetic and electro-magnetic surveys was recommended by a company geologist.

OK p. 100

BNOB
Cyprus Anvil Mining Corporation

Lead, Barite
105 F 10
(61°35'N, 132°30'W)

Reference: Wheeler et al (1960).

Claims: BNOB 1-24

Location and Access:

The property is located in the valley of the McConnell River, 30 miles south of Ross River. Access is provided by helicopter from Ross River.

History:

Claims BNOB 1-16 were recorded in July 1976 and BNOB 17-24 in September 1976. The claim group was staked as a result of a regional prospecting program carried out by the Pelly Project, a joint venture exploration program carried out by Cyprus Anvil Mining Corporation and Hudson Bay Oil and Gas.

Description:

The property is underlain by Mississippian volcanic and volcanoclastic rocks of felsic composition. A 30 foot thick bed of sugary white barite outcrops for a length of 150 feet and is traceable in talus float for an additional 1,000 feet. The geology appears to be structurally complex with probably at least two phases of folding. Trace amounts of galena occur within the barite bed and high concentrations of pyrite occur within the associated felsic volcanic breccias.

Current Work and Results:

During 1976, geochemical soil sampling and detailed prospecting were carried out. Soil samples (216) were collected at 200 foot intervals along lines spaced 400 feet apart and analyzed for Cu, Pb, Zn. A 3,000 foot Pb-Zn anomaly was determined which conformed to the arcuate outcrop pattern of the barite unit. Further work consisting of geological mapping, magnetic and electromagnetic surveys were recommended by a company geologist.

PIG
Cyprus Anvil Mining Corporation

105 J 2
(62°14'N, 130°36'W)

Reference: Roddick and Green (1961).

Claims: PIG 1-50

Location and Access:

The claim group is located 11 miles northwest of Traffic Mountain and adjoins the KATE group to the west. Access is provided by helicopter from Ross River, 60 miles to the southwest or by a combination of helicopter and float equipped fixed wing from Pelly Lakes, 18 miles southeast of the property.

History:

The claims were recorded in July 1976 and were staked to cover an area with anomalously high stream geochemical lead values.

Description:

The property is underlain by interbedded black to grey chert, black shale and minor carbonates of Ordovician to Silurian age that occur along the eastern margin of the Pelly-Cassiar platform. No mineralization has been observed on the property.

Current Work and Results:

During summer 1976, a geochemical soil sampling program was conducted on the property. A total of 750 soil samples were collected at 200 foot intervals along grid lines spaced 400 and 800 feet apart and analyzed for Cu, Pb, Zn. Two east-west trending irregular lead anomalous zones were determined at the western boundary of the claim group. Sporadically high zinc values occur throughout the anomalous zones. The anomalies are sub-parallel to bedding and may reflect stratiform lead mineralization in black shale. Further work consisting of more geochemical soil sampling, detailed geologic mapping, prospecting, and electromagnetic surveys were recommended by a company geologist.

200-7

May 10, 1976

Mr. D. B. Craig
Regional Geologist
Department of Indian and Northern Affairs
Geology Section
200 Range Road
Whitehorse, Y.T. Y1A 3V1

Dear Doug,

I enclose 1975 reports on our UG and TART properties,
duly corrected where necessary.

Yours very truly,

CYPRUS ANVIL MINING CORPORATION

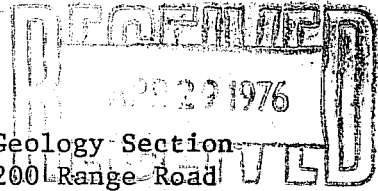
J. G. SIMPSON
Exploration Manager

Encl.



Indian and
Northern Affairs

Affaires indiennes
et du Nord



Geology Section
200 Range Road
Whitehorse Y.T.
YIA 3V1

March 22, 1976

April 26

Your file Votre référence

Our file Notre référence

Retn we then ok.
1/3

Dear Sir:

Enclosed are reports on ^{*some*} each of your properties in the Yukon which have been prepared for inclusion in the D.I.A.N.D. Mineral Industry Report, Yukon Territory 1975. I would appreciate your checking it for accuracy and deleting any information you wish to be ommitted. Please feel free to add any pertinent material. One copy of each report should be returned with your comments, the second copy is for your files. Your prompt attention to this matter will be greatly appreciated.

We would appreciate if you could also let us know whether you will be operating in the Yukon this summer and in what general area(s). Please note the enclosure listing the facilittes of our office and location.

Yours truly

D.B. Craig
D.B. Craig
Regional Geologist

UG
Cyprus Anvil Mining Corporation

Lead, Zinc
116 C 16
(64°51' N, 140°02'W)

Reference: Green (1972)

Claims: UG 1-32

Location and Access:

The property is located about 10 miles north-northwest of Mount Harper and is accessible by helicopter from Dawson, 57 miles to the south-southeast.

History:

The claims were staked in June 1975.

Description:

The property is underlain by dolomite of Helikian age. Mineralization consists of galena and sphalerite disseminated with breccia occurrences which are probably related to a steeply dipping fault.

Current Work and Results:

In 1975, the property was covered by geological mapping at a scale of 1 inch to 1320 feet. In addition, a soil geochemical survey was conducted along contour lines over all claims. The geological mapping suggested that the mineralized showings are limited in extent and no more work was planned for the property at present.

OK P. Dean

TART
Cyprus Anvil Mining Corporation

Zinc, Lead
116 B 13
(64°50'N, 139°53'W)

Reference: Green (1972)

Claims: TART 1-80

Location and Access:

The property is located about 10 miles north of Mount Harper and is accessible by helicopter from Dawson, 55 miles to the south-southeast.

History:

The claims were staked in October 1974.

Description:

The property is underlain by a grey dolomite unit of Helikian age and the mineralization consists of sphalerite, marcasite and minor galena as void fillings in breccia zones within the dolomite.

Current Work and Results:

In 1975, the property was covered by detailed geological mapping at a scale of 1 inch to 400 feet. In addition, a geochemical soil sampling program was conducted over all the claims. Samples were collected at 100 and 200 ft. intervals along lines spaced 400 and 800 feet apart. A diamond drilling program consisting of 4 holes (BQ core) for a total footage of 1623 ft. was undertaken on TART #8 and TART #23. The diamond drilling failed to intersect zinc mineralization economic grades.

of

OK
P. Deon

2000

April 20, 1976

Mr. D. B. Craig
Regional Geologist
Department of Indian and Northern Affairs
Geology Section
200 Range Road
Whitehorse, Y.T. Y1A 3V1

Dear Doug,

I enclose 1975 reports for our Yukon properties, duly corrected where necessary.

We will be quite active in the Yukon in 1976, with major emphasis on the Faro area generally. We will also be doing some work on our Carnacks coal leases in the Tantalus Formation. Joint ventures have been arranged with at least two other major companies for work in the South MacMillan and Pelly Mountains in the vicinity of our MM claim holdings, and north of the Anvil Batholith. Very minor cleanup and assessment work is programmed for claim groups in the Bonnet Plume area.

We look forward to discussing your Department's proposed mapping program in the Anvil Range.

Yours very truly,

CYPRUS ANVIL MINING CORPORATION

J. G. Simpson
Exploration Manager

JGS/cb
Encl.



Indian and
Northern Affairs

Affaires indiennes
et du Nord

Geology Section
200 Range Road
Whitehorse Y.T.
YIA 3V1
March 22, 1976

Your file *Votre référence*

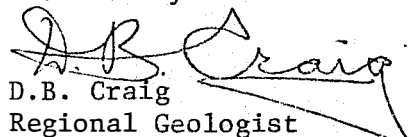
Our file *Notre référence*

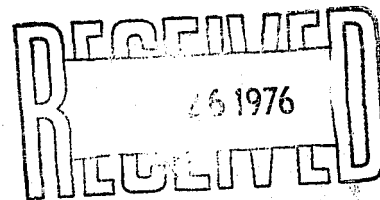
Dear Sir:

Enclosed are reports on each of your properties in the Yukon which have been prepared for inclusion in the D.I.A.N.D. Mineral Industry Report, Yukon Territory 1975. I would appreciate your checking it for accuracy and deleting any information you wish to be ommitted. Please feel free to add any pertinent material. One copy of each report should be returned with your comments, the second copy is for your files. Your prompt attention to this matter will be greatly appreciated.

We would appreciate if you could also let us know whether you will be operating in the Yukon this summer and in what general area(s). Please note the enclosure listing the facilittes of our office and location.

Yours truly


D.B. Craig
Regional Geologist



ANVIL MINE
Cyprus Anvil Mining Corporation

Lead, Zinc, Silver
105 K 2, 3, 6
(62°21'N, 133°22'W)

References: Chisholm (1957); Roddick and Green (1961a); Green and Godwin (1964, pp. 31-32); Green (1965, pp. 36-37; 1966, pp. 47-50); Findlay (1967, pp. 35-39; 1969a, pp. 43-45; 1969b, pp. 29-30); Tempelman-Kluit (1972); Craig and Laporte (1972, pp. 94-96); Brock (1973); Sinclair and Gilbert (1975, pp. 50-52); Sinclair et al (1975, pp. 128-129).

Claims: FARO, GAL, ED, SUN, RICH, DY, GALE, DEA, LEA, PEA, SEA, SB, DP, KAY, MOR SINK, LO, TIE, ROCK, BILL: approximately 2,000 claims.

Location and Access:

The Anvil Mine is situated 143 miles northeast of Whitehorse in the Anvil Range. Ore concentrates are trucked to Whitehorse via roughly 250 miles of all-weather roads and then transferred to the White Pass and Yukon Route for shipment by rail to Skagway.

History:

The mine was brought into production late in 1969 and, except for brief shutdowns due to labour problems, has been in continuous production since then. In 1975, Anvil merged with Dynasty Explorations Limited to form Cyprus Anvil Mining Corporation.

Description:

The host rocks on the property consist of pelitic schist which are overlain by calc-silicate phyllite (Unit 2, Tempelman-Kluit, 1972). The regional trend of the schist and phyllite is to the northwest, with dips averaging 20° to the southwest. Locally, the structure is complex, with at least five stages of deformation recognized by company geologists. The ore occurs in a series of massive sulphide zones along a 6,600 foot strike length. The ore zones are tabular in longitudinal section and lenticular in cross section and are generally conformable to the enclosing schist and phyllite host rocks. Galena and sphalerite, associated with pyrite and pyrrhotite, are the principal sulphide minerals.

Current Work and Results:

During 1975, 3,225,083 tons of ore were milled at a daily rate of 8,983 tons. The operating summary for 1975, along with the two previous years, is as follows:

	1975	1974	1973
Tons milled	3,225,083	2,925,359	2,899,124
Daily rate (tons)	8,983	8,865	7,942
Mill Heads:			
Lead (%)	4.1) 10.0) 11.25
Zinc (%)	3.9) combined) combined
Silver (oz/ton)	1	1	1
Ore reserves (tons)	32,507,713	49,674,000	52,599,000

Anvil Mine

Figures for the ore reserves were revised in 1975 and the reserves figure at the end of 1975 includes only the ore considered by Anvil to be currently mineable; it does not include any ore which lies outside the current ultimate pit design. The new figure also takes into account roughly 3 million tons of ore lost due to the presence, in the central pit area, of extensive dykes which were not recognized at the time the ore reserves were originally calculated.

1975 exploration in the vicinity of the mine consisted of 10 diamond drill holes totalling roughly 25,000 feet, with some individual holes up to 2,600 feet long. Results of this work confirmed the existing general structural/stratigraphic models for the mine area. It allowed considerable refinement of metamorphic stratigraphy and specific subdivision of the Faro schist unit. Down dip continuity of Faro #3 ore zone outside the limits of the current ultimate pit design was also demonstrated. Detailed work by Cyprus Anvil geologists continues in an attempt to unravel the internal geometry and stratigraphy of the deposit.

KIRK Property

M. Early

105 K 3
(62°02'N, 133°04'W)

References: Tempelman-Kluit (1972)

Claims: AL 1-4; KIRK 1-2; RIM 1-6;

Location and Access:

The claims are situated at about the 5,500 foot level straddling a mountain peak some 15 miles south of the town of Faro, in the Grew Creek area. Access is by helicopter from Faro.

History:

The claims were re-staked in September 1974.

Description:

The claims are underlain by a series of metasediments.
(Unit 2, Roddick and Green, 1961)

Current Work and Results:

A gravity survey of the property was conducted to evaluate a previously defined geochemical anomaly but the response was not indicative of massive sulfide mineralization.

LISA
Cyprus Anvil Mining Corp

Lead, Zinc, Copper
105 K 7
(62°22'N, 132°52'W)

References: Findlay, (1967, p. 39); Tempelman-Kluit, (1972); Sinclair and Gilbert, (1975, pp.55-56); Sinclair, Maloney and Craig, (1975, p. 132)

Claims: LISA 1-46

Location and Access;

The claims are situated 16 miles east of Anvil Mine roughly 18 miles northeast of Faro. Access in 1975 was by helicopter from Faro.

History:

The property was staked in 1965 and has had work done on it since then, including diamond drill holes . (see Sinclair et al, 1975)

Description:

The property is underlain by greenish-grey, chlorite-muscovite-quartz phyllite of probable Cambrian age. (unit 3, Tempelman-Kluit, 1972)

Current Work and Results:

Two gravity profiles were surveyed on LISA 1-4 and 15-18 claims. No anomalies were found.

HEK

Cyprus Anvil Mining Corp.

105 k 5-6

(62°25'N, 133°30'W)

Reference: Tempelman-Kluit (1972)

Claims: HEK 1-14,

Location and Access:

The claims are situated straddling Rose Creek some 6 miles west of the Anvil minesite. Access was by helicopter from the minesite.

History:

The claims were staked in March 1975.

Description:

The claims are underlain by Biotite-Muscovite schist, amphibolite and marble (Unit 2, Tempelman-Kluit, (1972) Unit of Proterozoic (?) age.

Current Work and Results:

A Turam E M Survey was conducted on the claims. Five conductors were located.

WILL
Cyprus Anvil Mining Corporation

Zinc, Lead, Copper
106 D 7
(64°24'N, 134°42'W)

Reference: Green (1972).

Claims: WILL 1-60

Location and Access:

The property is located near Mount Williams, about six miles north of the Beaver River and 68 miles northeast of Mayo. Access during summer is by helicopter from Mayo, though the Wind River winter road passes six miles west of the claim group.

History:

The claims were staked during July 1975 as a follow-up on several geochemical anomalies and lead-zinc showings^{discovered} during a regional geochemical survey.

Description:

The claims are underlain by Helikian shale and dolomite. The predominant orange weathering, light and dark grey interbedded argillaceous dolomite and chert unit trends northwest and dips gently to moderately to the northeast. Brown to black, thin bedded shales occur throughout the dolomite unit.

Mineralization consists of light brown to yellow sphalerite, minor galena, chalcopyrite and sparry dolomite as matrix in a tectonic breccia and as thin fracture fillings within the main dolomite unit. Numerous showings occur throughout the dolomite unit. The main showing consists of mineralization in a tectonic breccia over a strike length of roughly 2,000 feet with widths up to 50 feet. A metal zonation has been determined in the showing which consists of an upper copper-zinc zone and a lower lead-zinc zone. An estimated average grade of 10 per cent combined Cu, Pb and Zn over a 20 foot width has been proposed for the length of the showing.

Current Work and Results:

During summer 1975, the property was subjected to preliminary geological mapping (1 in. to 1,320 feet) and geochemical soil sampling for Cu, Pb, Zn. One hundred and ten geochemical soil samples were collected along the banks of creeks in the local area. Most of the lead and zinc anomalies are directly related to the known showings, though several anomalies do occur in the north half of the claim group where no showings have been found to date. Company geologists recommended further work consisting of geological mapping, chip sampling and possibly diamond drilling.

VUG
Cyprus Anvil Mining Corporation

Zinc, Lead
116 A 9
(64°34'N, 136°17'W)

Reference: Green (1972).

Claims: VUG 1-40

Location and Access:

The property is located ten miles south of the Hart River and 68 miles north of Mayo. Access in 1975 was provided by fixed wing aircraft to Worm Lake and the remaining ten miles northwest to the property by helicopter.

History:

The claims were recorded in July, 1975 to cover showings discovered as a result of a regional geochemical stream sediment anomaly.

Description:

The property is underlain by a Helikian sequence consisting of a lower unit of shale and argillite with quartzite interbeds overlain by several units made up predominantly of orange weathering dolomite. The general trend of the units is east-west with a steep dip to the south.

All known mineralization occurs in orange weathering, thick to massive bedded, dark to light grey dolomite. It commonly consists of sphalerite, galena and white sparry dolomite as a matrix within a tectonic breccia zone in the dolomite.

Current Work and Results:

During summer 1975, the property was subjected to geological mapping (1 inch to 1,320 feet) and geochemical soil sampling for Cu, Pb, Zn. Approximately 300 soil samples were taken along contour lines at intervals of several hundred feet. All anomalous areas coincided with areas of bedrock or float lead-zinc mineralization. Company geologists recommended further work on a low priority basis consisting of sampling, prospecting and mapping.

GREMLIN
Cyprus Anvil Mining Corporation

Copper
106E2
(65°11'N, 134°38'W)

Reference: Norris (1974)

Claims: GREMLIN 1-12

Location and Access:

The property is located 10 miles west of the Bonnet Plume River and 10 miles south of Margaret Lake, about 120 miles north of Mayo. Access is provided by float plane to Kiwi Lake (local name for lake 8 miles south-southwest of Margaret Lake), about 1 mile to the south.

History:

The claims were staked during August, 1975, as a follow-up on a Cu geochemical anomaly determined by a regional stream sediment geochemical program.

Description:

The property is underlain by Helikian clastic rocks consisting of complexly folded and faulted block shale, sandstone, and conglomerate. Two types of mineralization are present:

- (1) Most of the copper is in veins of siderite-barite-pyrite and chalcopryrite and a chip sample assayed 1.33% Cu over a 21 foot interval.
- (2) Massive and heavily disseminated pyrite in conglomerate and sandstone with a chip sample assaying 0.53% Cu over 38 feet of pyritic conglomerate and another chip sample assaying 0.29% Cu and 0.8 oz. Ag/ton over 10 feet of massive pyrite.

In addition, traces of cobalt as erythrite are present with the best assay at 0.09% Co from a grab sample of vein material.

Current Work and Results:

During 1975, work consisted of preliminary geochemical soil sampling for Cu, Pb, Zn along both banks of the creek at 200 foot intervals for a distance of about 3,000 feet. Values were consistently anomalous in copper along both banks for about 2,500 feet. Recommendations for further work, which included detailed soil geochemistry along contour lines, detailed geological mapping and hand trenching.

company
geologist

CLOE
Cyprus Anvil Mining Corporation Ltd.

Zinc
106E2
(65°12'N, 134°42'W)

Reference: Norris (1974)

Claims: CLOE 1-12

Location and Access:

The property is located 10 miles west of the Bonnet Plume River and 10 miles southwest of Margaret Lake, about 120 miles north of Mayo. Access is provided by float plane to Kiwi Lake (local name for lake 8 miles south-southwest of Margaret Lake) and from there by helicopter to the property, about 3 miles to the west.

History:

The claims were staked in summer 1975 as a follow-up on a Pb-Zn geochemical anomaly determined by a regional stream sediment geochemical program.

Description:

The property is underlain by black^a fissile shale of Helikian age. Mineralization consists of float boulders of brecciated black^b shale cemented by dark brown to black sphalerite. A narrow fault breccia with some secondary zinc mineralization also outcrops on the property.

Current Work and Results:

During 1975, a geochemical soil sampling program for Cu, Pb, and Zn was conducted along lines parallel to the main creeks on the claim group. Soil samples were collected at 500 ~~feet~~ intervals along a total line length of over 15,000 feet. Two Pb-Zn anomalies were determined and recommendations for further work included geochemical surveys along grids and contour lines.

KIWI
Cyprus Anvil Mining Corporation Ltd.

Zinc, Lead
116 B 10, 15
(64°45'N, 138°45'W)

Reference: Green (1972); Sinclair et al (1975)

Claims: KIWI 1-80

Location and Access:

The property is located in the southern Ogilvie Mountains, 15 miles southwest of Chapman Lake (mile 74) on the Dempster Highway, and 52 air miles north-northeast of Dawson. Access is by helicopter from Dawson or from one of the helicopter pads on the Dempster Highway.

History:

The claims were staked in July and September, 1974 to cover lead and zinc mineralization and associated geochemical anomalies discovered during a reconnaissance program in the 1974 season. During 1974, hand trenching, prospecting and a soil geochemical survey indicated potentially economic lead-zinc mineralization and further work was recommended for 1975.

Description:

The property is underlain by the eastern end of the Coal Creek Dome, an uplifted ^{ell} ~~ell~~iptical dome of Helikian shale and carbonates unconformably overlain by Ordovician and younger sediments. The rock units trend from east to southeast with variable dips and the host rock for mineralization on the property is mainly a light grey weathering, massive bedded dolomite (Unit 2c, Green, 1972).

Pb-Zn mineralization occurs at three sites within an area about 3,000 feet long. The main showing is about 25 ft. wide and consists of smithsonite, anglesite and minor galena exposed within a fault breccia zone which is parallel to the major Seela Pass fault to the south. A channel sample from a 35 ft. long trench across the zone gave the following assay: 3.41 oz. Ag/ton, 16.26% Pb, 19.75% Zn, 0.05% Cu. Smithsonite fills joints and fractures in the surrounding massive grey dolomite and a grab sample of the 'barren-looking' dolomite from the southern 9 feet of the trench gave the following assay: 0.18 oz. Ag/ton, 1.50% Pb, 0.90% Zn, and 0.01% Cu.

The second showing consists of a zone of breccia float a few hundred feet north of the main showing. Boulders of coarsely crystalline galena were encountered in pits dug in the area. The third showing consists of a mineralized zone up to 10 feet wide which trends in an easterly direction parallel to the Seela Pass fault.

Current Work and Results:

During summer 1975, detailed geological mapping (1 inch to 400 feet) and a soil geochemical survey were conducted along a north-south grid over the central portion of the claim group. Soil samples were collected on the 4,200 ft. by 6,000 ft. grid at 100 ft. intervals along lines generally spaced 400 ft. apart and analysed for Cu, Pb, Zn. The geochemical anomalies coincided with the three known zones of mineralization. In addition, nine trenches and several pits were dug in the mineralized breccia zones. Further work consisting of additional trenching and sampling of the main showing was recommended.

HOT
Cyprus Anvil Mining Corporation

Zinc, Lead
116 A 13
(64°59'N, 137°46'W)

Reference: Green (1972); Sinclair et al (1975).

Claims: HOT 1-44

Location and Access:

The claims are located about five miles north of Michelle Creek in the central Ogilvie Mountains, 80 miles northeast of Dawson and 110 miles northwest of Mayo. Access is by helicopter from the Dempster Highway, 13.5 miles to the west.

History:

The claims were staked in June, 1974 to cover lead and zinc silt geochemical anomalies discovered earlier in the season. Work in 1974 included preliminary geological mapping, prospecting and hand trenching.

Description:

The property is underlain by intensely folded, thinly bedded, orange to buff weathering argillite, shale and quartzite of Proterozoic age (Unit 1, Green, 1972) unconformably overlain by grey, massive bedded limestone and dolomite of Ordovician and Silurian age (Unit 8, Green, 1972). All the lead-zinc mineralization is contained within the younger carbonates which underlie most of the property. They are gently folded into a major east-west trending anticline and minor northeast-southwest trending anticline.

Mineralization consists of smithsonite with minor galena, sphalerite and pyrite within brecciated grey sparry dolomite. The main showing is a more or less continuous 6,000 ft. long zone of mineralized breccia float about 10 to 15 ft. wide, which extends in an east-west direction and occurs in the northern portion of the claim group. A fault zone is ^{proposed to be} ~~suggested as~~ the main control for the mineralization because of the linear trend of the mineralization zone and the brecciated nature of the mineralization. Channel samples from three trenches across this zone have given the following assays:

<u>Trench Length (ft)</u>	<u>Ag. oz/ton</u>	<u>Pb %</u>	<u>Zn %</u>
15	0.12	0.19	1.18
35	0.06	0.13	0.52
12	1.76	3.98	7.32

In the southern portion of the claim group, several small mineralized zones occur at the same bedding horizon, but there is no continuity between them.

Current Work and Results:

During summer 1975, work consisted of detailed geological mapping (1 in. to 760 ft.), geochemical soil sampling along contours and trenching. A total of 286 soil and silt samples were collected at approximately 250 ft. intervals along two contour lines done around the base and halfway up the mountains and analysed for Cu, Pb, Zn. All the determined anomalous zones are contained within or downslope from soils overlying Unit 8. Two trenches were extended and one new trench was dug, all on the main showing. Because the main showing is thought to be related to a zone of faulting, any further mineralization is likely to be narrow in width and erratic in grade and therefore, no further work was recommended.

OZ
Cyprus Anvil Mining Corporation

Zinc, Lead
116 B 12, 13
(64°45'N, 139°45'W)

Reference: Green (1972); Sinclair et al (1975)

Claims: OZ 1-81

Location and Access:

The property is located in the southern Ogilvie Mountains, six miles northeast of Mount Harper and 47 miles north of Dawson. Access is by helicopter from Dawson or Clinton Creek, 38 miles to the south, which is the nearest road point.

History:

The claims were staked in July, 1974 following a regional geochemical stream sediment sampling program. Work in 1974 consisted of preliminary prospecting, geological mapping and geochemical soil surveys on the central claims in the group.

Description:

The property is underlain by a sequence of clastic sediments of Proterozoic age, consisting of orange and buff-weathering dolomite, shale, grey-weathering dolomite and lesser amounts of quartzite, limestone and conglomerate (Unit 2, Green, 1972). Sphalerite and galena occur in veins and breccia zones in dolomite and shale.

Current Work and Results:

In 1975, work consisted of grid geochemical soil sampling, geological mapping and 1,245 feet of diamond drilling (BQ Core). Three drill holes were completed and no significant mineralization was intersected. Further work was recommended which consisted of hand trenching and detailed geological mapping.

ALE
Cyprus Anvil Mining Corporation Ltd.

Lead, Zinc
106C13
(64°52'N, 133°45'W)

Reference: Blusson (1974~~4~~^b)

Claims: ALE 1-6

Location and Access:

The claims are located on the west bank of the Bonnet Plume River, 12 miles south of Fairchild Lake and 110 miles northeast of Mayo. Access is provided by float plane from Mayo to Fairchild Lake and from there by helicopter to the property.

History:

The claims were staked in August, 1975.

Description:

The property is underlain by carbonates of Helikian age, and the mineralization consists of open space fillings of pyrite, galena, and sphalerite in brecciated portions of buff-weathering dolostone. The showings occur along a strike length of 1,600 feet and are on strike with similar showings on the former ~~1~~⁴AD claims, 8,000 feet to the southeast on the east bank of the Bonnet Plume River.

Current Work and Results:

During 1975, a geochemical soil sampling program was conducted along a small grid for Cu, Pb, Zn. Soil samples were collected at 200 ~~feet~~ intervals along 3 north trending lines spaced 200 feet apart for a total length of 10,000 feet. Anomalous Pb-Zn values were encountered along the strike extensions of the mineralized areas and recommended further work^{which} included additional geochemical soil sampling, hand trenching and geological mapping.

the company geologist

Mount Freegold

AU, AG
Cyprus Anvil Mining Corporation

Copper
11516
(62°17'N, L37°09'W)

References: Johnston (1937); Tempelman-Kluit (1974a);
Sinclair et al (1975, pp. 115-116).

Claims: AU 1-44; AG 1-36

Location and Access:

The claims are situated on Mount Freegold, 30 miles northwest of Carmacks. Ready access is provided by short, four-wheel drive roads connecting with the Carmacks-Freegold Road.

History:

The claims were staked in 1973 and subsequently optioned by Dynasty Explorations Limited who carried out surface exploration in 1974. In 1975, Dynasty was amalgamated with Cyprus Anvil Mining Corporation.

Description:

The property is underlain by slightly altered granite and quartz monzonite of Tertiary(?) age which intrudes Proterozoic and/or Paleozoic metasediments. Minor malachite, azurite, chalcopyrite and pyrite occur in two subparallel zones 100 and 500 feet wide respectively in slightly altered granitic rocks.

Current Work and Results:

An I.P. survey carried out in 1975 over the two mineralized zones failed to outline any significant anomalies in the area of the mineralized zones. However, two anomalous zones were outlined although subsequent soil sampling and a magnetic survey failed to detect either anomalous copper geochemical values or any high magnetic readings in the area of anomalous I.P. response.

Carmacks

TANTALUS BUTTE MINE
Cyprus Anvil Mining Corporation

Coal
115 I 1
(62°08'N, 136°16'W)

References: Bostock (1936, pp. 59-62); Green (1966, pp. 121-124); Findlay (1967, p. 88; 1969a, p. 15; 1969b, pp. 66-67); Craig and Laporte (1972, pp. 155-56); Sinclair and Gilbert (1975, pp. 121-122); Sinclair et al., (1975, p. 168).

Lots and Leases: Leases 2955, 2959; Lots 23, 24

Location and Access:

The mine is situated on the north bank of the Yukon River, four miles north of Carmacks and less than one-half mile from the Whitehorse-Mayo Road.

History:

The Tantalus Butte Mine began operation in 1923, supplying coal to Carmacks and Dawson and later the mill at United Keno Hill Mines, Elsa, until 1967. In 1969, the mine began supplying coal to the Anvil Mine where it is used for plant heating and concentrate drying.

Description:

The coal occurs in the Tantalus Formation of Upper Jurassic (?) and Lower Cretaceous age, consisting of conglomerate with lesser amounts of sandstone, shale and a few coal seams. The main seam ranges from 8 to ¹⁰/~~20~~ feet thick, strikes north and dips 45° to 70° west. The seam is displaced by steeply-dipping, north-east-to northwest-trending faults. Although fault displacement is only on the order of a few feet or more, mining is rendered difficult. The coal is a high volatile, bituminous coal with calorific value ranging from 11,000 to 12,700 BTU. Samples are agglomerating with a swelling index of 1 (ASTM) and are not suitable for ~~making~~ metallurgical grade coke (Green, 1966, p. 124).

Current Activities:

During 1975, the mine produced a total of 16,123 tons from underground at a daily rate of 63 tons. In addition, 9,589 tons were mined from a surface strip roughly one-third of a mile north of the present mine workings. The coal from the surface strip has a lower calorific value than the coal from underground and has probably undergone some leaching. The coal was back hauled by ore trucks on their return to the Anvil Mine.

Tay River

DANA
Cyprus Anvil Mining Corporation

Lead, Zinc, Copper
105 K 11
(62°35'N, 133°17'W)

Reference: Findlay (1967, p. 39); Tempelman-Kluit
Sinclair and Gilbert (1975, pp. 59-60); Sinclair et al
(1975, p. 133).

Claims: DANA 1-76; HALO 1-12; IRMA 1-31;

Location and Access:

The property is situated approximately 23 miles north of Faro. Normal access in 1975 was by helicopter or by float plane to Caribou Lake, two miles southwest of the property.

History:

The property was originally staked as the IVAN claims by Anvil Mining Corporation who drilled four holes totalling 1,553 feet in 1966. The claims subsequently lapsed and were restaked several times, most recently as the DANA claims by Ridgmont Mining Corporation, a subsidiary of Cyprus Mines Corporation, which became Cyprus Anvil Mining Corporation after corporate restructuring early in 1975. Three holes totalling 1,634 feet were drilled in 1975.

The HALO and IRMA claims were subsequently staked by Anvil Mining Corporation

Description:

The claims are underlain by slate, chert, greywacke, chert-pebble conglomerate and limestone (Unit 7, Tempelman-Kluit, 1972) overlain by sliceous banded tuffs (Unit 8, op. cit.). Black sphalerite, pyrrhotite, galena, and chalcopyrite are reported to occur in veinlets and ^{as} coarse, disseminated grains in banded, calc-silicate rock (tuff?). The mineralization occurs within a large area of bleaching and alteration. To the south and down-dip, the mineralization consists of more uniformly disseminated, fine-grained brown sphalerite and pyrrhotite with minor chalcopyrite.

Current Work and Results:

Magnetic, electromagnetic and gravity surveys were conducted in 1975 and three holes were diamond drilled. The drilling is reported to have encountered lower grade and less extensive mineralization than in 1974.

NOR
Cyprus Anvil Mining Corporation

Lead, Zinc
105 K 7
(62°29'N, 132°53'W)

References: Roddick and Green (1961); Tempelman-Kluit (1972).

Claims: NOR 1-50

Location and Access:

The claim block is situated near the headwaters of an easterly flowing tributary of the Tay River, 23 miles northeast of Faro. Elevations range from 4,000 to 6,000 feet. Access in 1975 was by helicopter.

History:

The claims were staked in September 1974 to cover copper-lead-zinc silt anomalies discovered in 1973.

Description:

The claims are underlain by a thick sequence of chert, quartzite and limestone of probable Devonian and Mississippian age (Unit 5b, Roddick and Green, 1961).. These rocks have been deformed into tight, parallel, inclined to recumbent folds trending 110° and open to close parallel folds trending 150° to 180°. Normal faults with the east side down-dropped trend approximately 150°.

On the northwest part of the claims galena occurs thinly coated on fractures in light grey, banded siliceous rocks and finely disseminated in calc-silicate bands up to several inches thick. In the central portion of the claims minor sphalerite is associated with finely disseminated to banded pyrite ± pyrrhotite in chert and fine-grained siliceous rocks in the lower part of the section.

Current Work and Results:

In 1975, a soil geochemical survey was carried out over the property which outlined a broad lead-zinc anomaly and a number of smaller anomalies.

ZED
Cyprus Anvil Mining Corporation

105 K 10
(62°31'N, 132°56'W)

Reference: Roddick and Green (1961a).

Claims: ZED 1-50

Location and Access:

The claims are situated roughly 24 miles north-northeast of Faro, from which they can be reached by helicopter.

History:

The property was originally staked as part of the ZEUS claims in 1965 but little work appears to have been carried out at that time. The ZED claims were staked in 1974.

Description:

The property is underlain mainly by fine-grained, siliceous sediments and volcanics of Upper Devonian to Lower (?) Mississippian age (Unit 5b, Roddick and Green, 1961a). Arsenopyrite is reported to occur in veins and as disseminations in tuff breccia and fine-grained, siliceous rocks (tuffs?). No other sulphide minerals have been observed.

Current Work and Results:

Soil sampling in 1975 reportedly outlined a small lead-zinc anomaly.

PY
Cyprus Anvil Mining Corporation

Copper
105 G 1
(61°09'N, 130°09'W)

Reference: Wheeler et al (1960).

Claims: PY 1-24

Location and Access:

The claims are situated roughly 12 miles east-southeast of Fire Lake at elevations ranging from 4,000 to over 6,000 feet. Access in 1975 was by helicopter.

History:

The PY claims were staked in July 1975.

Description:

The property is underlain by quartzite, quartz-rich schist and quartz-sericite schist of unknown age (Unit C, Wheeler et al, 1960). Some zones of massive pyrite have been observed within quartz-sericite schist and minor copper mineralization has been found in float consisting of quartz-feldspar-sericite schist.

Current Work and Results:

Soil sampling in 1975 outlined a strong copper geochemical anomaly in an area of little or no exposed outcrop. An I.P. survey outlined an anomalous area generally coincident with the geochemical anomaly. The company plans to investigate the property further.

G.K.
J. Robinson

Money Creek

MONEY
Cyprus Anvil Mining Corporation

Lead
105 G 8
(61°17'N, 130°11'W)

Reference: Wheeler et al (1960).

Claims: MONEY 1-32

Location and Access:

The property lies 13 miles east-northeast of Fire Lake and 4 miles south of Money Creek. Elevations on the property range from 4,500 to over 6,000 feet. Access in 1975 was by helicopter.

History:

The MONEY claims were staked in June 1975.

Description:

The area is underlain by a relatively flat-lying sequence of schists containing some magnetite-rich horizons (Unit A, Wheeler et al, 1960). ^{Very} Minor galena was found in thin, discontinuous lenses of quartz-graphite schist.

Current Work and Results:

Soil sampling and a ground magnetometer survey carried out in 1975 failed to outline any anomalous areas of significant interest.

OK.

J. Robinson

*Geol. Summary
reports*

November 6th, 1975,

Mr. D. B. Craig,
Regional Geologist,
200 Range Road,
Whitehorse, Y.T. Y1A 3V1

Dear Doug:

Enclosed are summaries of our 1975 exploration activities in the Yukon, as requested.

Yours truly,

CYPRUS ANVIL MINING CORPORATION,

J. G. Simpson,
Exploration Manager,

JGS/mp
Encl.



Indian and
Northern Affairs

Affaires indiennes
et du Nord

200 Range Road
Whitehorse, Yukon
Y1A 3V1

October 1, 1975

Cyprus Anvil Mining Corp.
330 - 355 Burrard St.
Vancouver, B. C.

Your file *Votre référence*

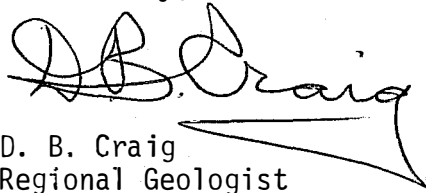
Our file *Notre référence*

Dear Sir:

We are currently compiling data concerning the 1975 exploration activity in the Yukon for inclusion in the 1975 Mineral Industry Report. To assist in this, we ask your support in providing routine data on your activities in the Territory during the past year by filling in and returning the enclosed forms.

Such information will aid our compilation greatly.

Yours truly,



D. B. Craig
Regional Geologist

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1975? Yes No

Property Name: GREMLIN CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 106-E-3 Lat. 65 ° 11 ' N Long. 134 ° 38 ' W

Location Description and Mode(s) of Access 7 miles NW of Quartet Lakes.

Access is by float plane to "Kiwi" Lake, 1 mile to the north.

Claim Name(s) GREMLIN 1-12 Total Claims 12

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work Financed by: Cyprus Anvil Mining Corporation

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Copper

Geological Description of Occurrence: _____

Chalcopyrite mineralization occurs in veins with pyrite, barite and siderite.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

Scale

None

Geochemistry:

Method

Claims Sampled

Soil sampling lines

All claims

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: Prospecting and geochemical sampling have
indicated that several copper showings occur on the claims. More
work is planned to evaluate these showings.

Assessment Work Recorded in 1975:

Geological Report

Physical Work

Geophysical Report

Geochemical Report

Drilling

Date: November 4th, 1975

Signature: _____

Company: Cyprus Anvil Mining Corp.

Position: Geologist

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1975? Yes No

Property Name: ANVIL CLAIM BLOCK - 1600 claims

Former Name (if old showing): N/A

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105-K-6,5,2,3, Lat. 61° 20' Long. 133° 20'

Location Description and Mode(s) of Access Adjacent Anvil Mine

Claim Name(s) FARO, BILL, LO, JOE etc. Total Claims 1600+

Owner(s) of Claims Cyprus Anvil Mining Company/Pelly River Mines

Work Financed by: Cyprus Anvil Mining Company

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Pb, Zn, Ag, (Cu)

Geological Description of Occurrence: Anvil Mine

Syn-Volcanogenic massive sulphide deposit. Previously described.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

Scale

None

Geochemistry:

Method

Claims Sampled

Contour soil sample lines

All claims

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: The 1975 field work partly outlined the area
of strongly anomalous geochemical response in an overburden covered
part of the claims. More work is planned for the claims during 1976.

Assessment Work Recorded in 1975:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: November 4th, 1975

Signature: _____

Company: Cyprus Anvil Mining Corp.

Position: Geologist

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1975? Yes No

Property Name: ALE CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 106-C-13 Lat. 64° 48' Long. 133° 43'

Location Description and Mode(s) of Access Located beside the Bonnet Plume River. Access by helicopter from Mayo.

Claim Name(s) ALE 1-6 Total Claims 6

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work Financed by: Cyprus Anvil Mining Corporation

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Lead and zinc

Geological Description of Occurrence: _____

Lead and zinc mineralization occur in breccia zones in Helikian dolomite.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

Scale

None

Geochemistry:

Method

Claims Sampled

Soil sample lines

All claims

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: The geochemical sampling outlined a lead and zinc geochemical anomaly. More work is planned to evaluate this anomaly and the mineral showings.

Assessment Work Recorded in 1975:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: November 4th, 1975

Signature: _____

Company: Cyprus Anvil Mining Corp.

Position: Geologist

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1975? Yes No

Property Name: WILL CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 106-D-8 Lat. 64° 25' Long. 134° 41'

Location Description and Mode(s) of Access Surrounding Mt. Williams.

Access by helicopter from Mayo.

Claim Name(s) WILL 1 to 60 Total Claims 60

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work Financed by: Cyprus Anvil Mining Corporation

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Lead and zinc.

Geological Description of Occurrence: _____

Lead and zinc mineralization occurs in breccia zones in Helikian dolomite.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

All claims

Scale

1:1320 ft.

Geochemistry:

Method

Contour soil lines

Claims Sampled

All claims

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: The work has outlined a number of lead-zinc showings on the property. More work will be required to determine if any have conomic potential.

Assessment Work Recorded in 1975:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: November 4th, 1975

Signature: _____

Company: Cyprus Anvil Mining Corp.

Position: Geologist

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not silicited

Was exploration work done in 1975? Yes No

Property Name: VUG CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 116-A-9 Lat. 64°35' Long. 136° 20'

Location Description and Mode(s) of Access 8 miles N. of Mt. Hoffman.

Access by helicopter from Mayo.

Claim Name(s) VUG 1-40 Total Claims 40

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work Financed by: Cyprus Anvil Mining Corporation

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Lead and zinc

Geological Description of Occurrence: _____

Sphalerite and galena occur in breccia zones in Helikian dolomite.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

All claims

Scale

1:1320 ft.

Geochemistry:

Method

Contour soil sampling

Claims Sampled

All claims

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: Showings appear to be limited in extent and no further work is planned on the claims.

Assessment Work Recorded in 1975:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: November 4th, 1975

Signature:

Company: Cyprus Anvil Mining Corp.

Position: Geologist

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1975? Yes No

Property Name: CLOE CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 106-E-2 Lat. 65° 12' Long. 134° 42'

Location Description and Mode(s) of Access 8 miles NW of Quartet Lakes.
Access by helicopter from Mayo.

Claim Name(s) CLOE 1-12 Total Claims 12

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work Financed by: Cyprus Anvil Mining Corporation

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Lead and zinc

Geological Description of Occurrence: _____

Sphalerite float and lead-zinc geochemical anomalies originate in an area underlain by black shale of Helikian Age.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

Scale

Geochemistry:

Method

Claims Sampled

Geophysics:

Method

Claims Covered

E.M.
Gravity
I.P.

Faro, Gal, Heck
Faro, Rich
Faro

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Diamond Drilling NQ/BQ

20

25,000

Faro, Bill, Joe, Lo,
S.B., Dy, Rich

Results of work done:

- (1) Massive sulphide horizon 800-1000' beneath Swim Lakes, very low Pb-Zn
- (2) Some downdip continuity of Faro #3 orebody indicated.
- (3) Structural and stratigraphic cross sections of Faro orebodies and envelope

Assessment Work Recorded in 1975:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: November 5th, 1975

Signature: _____

Company: Cyprus Anvil Mining Corp.

Position: Exploration Manager

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not silicited

Was exploration work done in 1975? Yes No

Property Name: HOT CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 116-A-13 Lat. 64° 59' Long. 137° 46'

Location Description and Mode(s) of Access 25 miles east of Chapman Lake.

Accessible by helicopter from Dawson

Claim Name(s) HOT 1-40 Total Claims 40

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work Financed by: Cyprus Anvil Mining Corporation

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Lead and zinc

Geological Description of Occurrence: Breccia and vein showings of lead and zinc mineralization occur in grey massive dolomite mapped by the G.S.C. as Ordovician age.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

All claims

Scale

1: 400 ft.

Geochemistry:

Method

Contour soil lines

Claims Sampled

All claims

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: The 1975 field work suggests that the mineral occurrences are small isolated zones of no economic importance.

Assessment Work Recorded in 1975:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: November 4th, 1975

Signature:

Company: Cyprus Anvil Mining Corp.

Position: Geologist

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1975? Yes No

Property Name: KIWI CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 116-B-10 Lat. 64° 54' Long. 138° 47'

Location Description and Mode(s) of Access 12 miles west of Chapman Lake.

Accessible by helicopter from Dawson.

Claim Name(s) KIWI 1-80 Total Claims 80

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work Financed by: Cyprus Anvil Mining Corporation

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: _____

Geological Description of Occurrence: Strongly oxidized showings of lead and zinc minerals occur as breccia fillings in zones of tectonic brecciation probably related to faulting.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

All claims

Scale

1: 400 ft.

Geochemistry:

Method

Soil sampling on lines

spaced 400 ft. apart.

Claims Sampled

All claims

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Several short trenches
and pits

Method

dug by hand

On which Claims?

Kiwi #3 and #4

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: The 1975 work helped to outline the mineral zone

but, because of heavy talus cover, not all trenches reached bedrock.

Drilling will be required to properly evaluate the nature and extent

of mineralization on the claims.

Assessment Work Recorded in 1975:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: November 4th, 1975

Signature:

Company: Cyprus Anvil Mining Corp.

Position: Geologist

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1975? Yes No

Property Name: TART CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 116-B-13 Lat. 64° 50' Long. 139° 53'

Location Description and Mode(s) of Access 10 miles N. of Mt. Harper.

Accessible by helicopter from Dawson City. _____

Claim Name(s) TART 1-80 Total Claims 80

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work Financed by: Cyprus Anvil Mining Corporation

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Zinc and lead.

Geological Description of Occurrence: Sphalerite, marcasite and minor galena fill voids in breccia zones in a grey dolomite unit of Helikian age.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

All claims

Scale

1": 400 ft.

Geochemistry:

Method

Soil sampling at 100 and 200 ft.
spacing on lines spaced 400 and 800 ft.
apart.

Claims Sampled

All claims

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Diamond Drilling BQ

4

1623'

TART #8 and TART #23

Results of work done: The diamond drilling failed to intersect zinc mineralization of economic grades. Other geochemical anomalies on the property remain to be evaluated.

Assessment Work Recorded in 1975:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: November 4th, 1975

Signature: _____

Company: Cyprus Anvil Mining Corp.

Position: Geologist

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1975? Yes No

Property Name: UG CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 116-C-16 Lat. 64°51' Long. 140°02'

Location Description and Mode(s) of Access 10 miles N-NW of Mt. Harper.
Accessible only by helicopter from Dawson

Claim Name(s) UG 1-32 Total Claims 32

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work Financed by: Cyprus Anvil Mining Corporation

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Pb, Zn

Geological Description of Occurrence: Lead and zinc breccia showings occur in dolomite of Helikian age. Geologic mapping suggests that the showings are related to a steeply dipping fault.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

All claims

Scale

1": 1320 ft.

Geochemistry:

Method

Contour soil lines

Claims Sampled

All claims

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: Geologic mapping suggests that the showings are limited in extent and no more work is planned for the property at present.

Assessment Work Recorded in 1975:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: November 4th, 1975

Signature: _____

Company: Cyprus Anvil Mining Corp.

Position: Geologist

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1975? Yes No

Property Name: OZ CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 116-B-12 Lat. 64°45' Long. 139°45'

Location Description and Mode(s) of Access 6 miles north of Mt. Harper.

Accessible by helicopter from Dawson.

Claim Name(s) OZ 1-81 Total Claims 81

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work Financed by: Cyprus Anvil Mining Corporation

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Zinc, Lead.

Geological Description of Occurrence: Lead-zinc mineralization occurs in breccia zones related to faulting and folding.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

All claims

Scale

1" = 400 ft.

Geochemistry:

Method

Soil sampling at 200 ft. intervals
on 400 ft. spaced lines

Claims Sampled

All claims

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Diamond Drilling BQ

3

1245'

OZ 5,6,7,8,

Results of work done: Drill holes failed to intersect mineralization
of economic interest

Assessment Work Recorded in 1975:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: November 4, 1975

Signature:

Company: Cyprus Anvil Mining Corp.

Position: Geologist

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1975? Yes No

Property Name: Freegold

Former Name (if old showing): N/A

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 155-I-6 Lat. 62° 17' Long. 137° 09'

Location Description and Mode(s) of Access 32 air miles NW of Carmacks.

Claim Name(s) AG and AU Total Claims .72

Owner(s) of Claims Stakers Names

Work Financed by: Cyprus Anvil Mining Corporation

Address: 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Cu (AU)

Geological Description of Occurrence: _____

An area 3000 ft. by 800 ft. of anomalous copper values in soil, overlays slightly altered granitic to quartz-monzonite intrusive of possible Tertiary age. Previous trenching indicated two sub-parallel zones 100 ft. and 500 ft. wide with minor malachite, azurite and chalcopyrite and pyrite.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

Scale

Geochemistry:

Method

Claims Sampled

Geophysics:

Method

Claims Covered

I.P. 6.5 miles

AG 15-18 and AG 23 and AG 25

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: Negative

Assessment Work Recorded in 1975:

Physical Work

Geological Report

Geophysical Report and linecutting

Geochemical Report

Drilling

Date: November 4th, 1975

Signature: _____

Company: Cyprus Anvil Mining Corp.

Position: Exploration Manager

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1975? Yes No

Property Name: PY Mineral Claim Group

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105-G-1 Lat. 61° 09' Long. 130° 09'

Location Description and Mode(s) of Access Approximately 12 miles E-SE of Fyre Lake. Access by helicopter from Robert Campbell Highway.

Claim Name(s) PY 1-24 Total Claims 24

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work Financed by: Cyprus Anvil Mining Corporation

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Copper

Geological Description of Occurrence: The py claims are underlain by quartzite, quartz schists and quartz sericite schists. Some massive pyrite horizons occurs within the quartz-sericite schists. Soil sampling outlined a large strong copper anomaly in an area of essentially no outcrop exposed. Some float, in this area, of fine grained, quartz-eye-feldspar sericite schist contained very minor copper mineralization. An I.P. survey defined an anomaly generally coincident with the soil anomaly.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

PY 1-24

Scale

1" = 1/4 mile (1"=400' within grid area)

Geochemistry:

Method

soil and silt sampling on cut grid
(line spacing 400', station spacing 100')

Claims Sampled

PY 1-19

Geophysics:

Method

Crone JEM survey

I.P. Survey (Walcott & Assoc.)

Claims Covered

PY 1-19

PY 1-19

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: A further investigation of the coincident soil
and I.P. anomalies is anticipated.

Assessment Work Recorded in 1975:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: November 4th, 1975

Signature: _____

Company: Cyprus Anvil Mining Corp.

Position: Geologist

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1975? Yes No

Property Name: MONEY Mineral Claim Group

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105-G-8 Lat. 61.17, Long. 130.11

Location Description and Mode(s) of Access Approximately 12 miles on bearing 117° from peak 7721 and 4 miles south of Money Creek. Access by helicopter from Campbell Highway at Wolverine Creek.

Claim Name(s) MONEY 1-32 Total Claims 32

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work Financed by: Cyprus Anvil Mining Corporation

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Lead-zinc-copper

Geological Description of Occurrence: The claim group is underlain by a relatively flat lying sequence of schists. A number of magnetite schist horizons were discovered. Some thin discontinuous lensy horizons of quartz graphite schist contained very minor galena and gave strongly anomalous rock geochemical values for lead and zinc. No mineralization of economic interest was discovered.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

MONEY 1-32

Scale

1" = 400 ft.

Geochemistry:

Method

Soil sampling (Grid, 400' line spacing,
100' sample spacing); analyses for
Cu, Pb, Zn.

Claims Sampled

MONEY 1-32

Geophysics:

Method

Ground magnetometer survey
(Sharp MF-1)

Claims Covered

MONEY 1-32

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: No further work is planned on the Money Claim Group at this time.

Assessment Work Recorded in 1975:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: November 4th, 1975

Signature:

Company: Cyprus Anvil Mining Corp.

Position: Geologist

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1975? Yes No

Property Name: LISA CLAIMS

Former Name (if old showing): Ace

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105-K-7 Lat. 62° 23' Long. 132° 49'

Location Description and Mode(s) of Access 20 miles NE of Faro -

Access by helicopter from Faro.

Claim Name(s) LISA 1-41 Total Claims 41

Owner(s) of Claims Ridgemont Mining Corp.- Cyprus Anvil Mining Corp.

Work Financed by: Cyprus Anvil Mining Corp.

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Pb, Zn, Cu.

Geological Description of Occurrence: Small pods of massive pyrrhotite with minor chalcopyrite in quartz rich phyllite.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

Scale

Geochemistry:

Method

Claims Sampled

Geophysics:

Method

Claims Covered

Gravity

LISA 1-4, 17, 15,

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: _____

Assessment Work Recorded in 1975:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: October 20, 1975

Signature: _____

Company: Cyprus Anvil Mining Corp.

Position: Geologist

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1975? Yes No

Property Name: DANA CLAIMS

Former Name (if old showing): Ivan claims

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105-K-11 Lat. 62° 35' Long. 133° 20'

Location Description and Mode(s) of Access 15 miles north of Anvil Mine - by helicopter from Mine or Faro or by float plane to Caribou Lake 2 mi.S.W.

Claim Name(s)	<u>Dana</u>	<u>1-76</u>	Total Claims	<u>119</u>
	<u>Halo</u>	<u>1-12</u>		
	<u>Irma</u>	<u>1-31</u>		

Owner(s) of Claims Ridgemont Mining Corp. and Cyprus Anvil Mining Corporation

Work Financed by: Cyprus Anvil Mining Corporation

Address : 330-355 Burrard St., Vancouver, B.C.

Mineral(s) of Economic Interest: Pb, Zn, Cu, Ag.

Geological Description of Occurrence: Claims underlain by fine grained siliceous and limy rocks of the Devonian-Mississippian Earn Group. In the drilling area section consists of quartzite, limy quartzite and minor sandy limestone interlayered with hornfelsed(?) chert; some very fine grained acid pyroclastic rocks may be included. Most mineralization consists of black sphalerite, pyrrhotite, galena and chalcopyrite in veinlets and coarse grained irregular blebby replacements of calc. silicate layers within a large bleached and altered zone. To the south and down-dip from the above mineralization is replacement or syngenetic mineralization consisting of more uniform fine grained brown sphalerite and pyrrhotite with lesser chalcopyrite.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

Scale

Geochemistry:

Method

Claims Sampled

Geophysics:

Method

Claims Covered

JEM
Magnetometer

Dana 4-12 Halo 6, 8, 10 Frac.
Irma 6-13

Gravity

Irma 6-13

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Diamond Drilling AO

3

#4 Halo 6 Frac.
#5 Dana 8
#6 Dana 4

Results of work done: Drilling intersected lower grade and less extensive mineralization than the 1974 holes. Results of geophysical work not available at present.

Assessment Work Recorded in 1975:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: October 20, 1975

Signature: _____

Company: Cyprus Anvil Mining Corp.

Position: Geologist

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1975? Yes No

Property Name: ZED CLAIMS

Former Name (if old showing): Zues

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105-K-10 Lat. 62° 31' Long. 132° 56'

Location Description and Mode(s) of Access 23 miles N-NE of Faro

by helicopter from Faro.

Claim Name(s) ZED 1-50 Total Claims 50

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work Financed by: Cyprus Anvil Mining Corporation

Address : 330-355 Burrard St., Vancouver, B.C.

Mineral(s) of Economic Interest: Pb-Zn

Geological Description of Occurrence: _____

Arsenopyrite bearing veins and disseminations in tuff breccia and

fine grained siliceous rocks of the Devonian-Mississippian Earn Group.

No galena or sphalerite seen but veins are anomalous in Pb-Zn.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

Scale

Geochemistry:

Method

Claims Sampled

Soils - Cup Pb, Zn.

Zed 1-50

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: Small Pb-Zn geochemical anomaly

Assessment Work Recorded in 1975:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: October 20, 1975

Signature: _____

Company: Cyprus Anvil Mining Corp.

Position: Geologist

REGIONAL GEOLOGIST - INDIAN AND NORTHERN AFFAIRS - WHITEHORSE, Y.T.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1975

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1975? Yes No

Property Name: NOR CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105-K-7 Lat. 62° 09' Long. 132° 52'

Location Description and Mode(s) of Access by helicopter from Faro
or Ross River - 23 miles NE of Faro.

Claim Name(s) NOR 1-50 Total Claims 50

Owner(s) of Claims Cyprus Anvil Mining Corporation

Work Financed by: Cyprus Anvil Mining Corporation

Address : 330-355 Burrard St., Vancouver, B.C.

Mineral(s) of Economic Interest: Pb-Zn

Geological Description of Occurrence: Galena ± sphalerite in veins,
as fracture coatings and as replacements in calc. silicate layers
in fine grained siliceous rocks of Devonian-Mississippian Earn Group.

WORK DONE IN 1975

Geological Mapping:

Claims Mapped

All claims

Scale

1" = 2000'

Geochemistry:

Method

Soil geochemistry - Cu, Pb, Zn.

Claims Sampled

NOR 15-50

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: Discovered soil anomaly in area of showings.

Assessment Work Recorded in 1975:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: October 20, 1975

Signature:

Company: Cyprus Anvil Mining Corp.

Position: Geologist

Reply to:
330-355 Burrard Street,
Vancouver, B.C. V6C 2G8

May 6th, 1975,

Dr. D. B. Craig,
Regional Geologist,
Dept. of Indian and Northern Affairs,
Building 200, Takhini,
Whitehorse, Y.T.

Dear Dr. Craig:

Enclosed is the report on our Yukon property
which has been prepared for inclusion in the D.I.A.N.D.
Mineral Industry Report for Yukon Territory, 1974.

Yours truly,

CYPRUS ANVIL MINING CORPORATION,

Peter M. Dean

PMD/mp
Encl.

Regional Geologist's Office
Building 200, Takhini
Whitehorse, Y.T.

March 14, 1975.

Dynasty Explorations Ltd.
330-355 Burrard Street
Vancouver, B.C.

Dear Sir:

Enclosed are reports on each of your properties in the Yukon which have been prepared for inclusion in the D.I.A.N.D. Mineral Industry Report for Yukon Territory, 1974. I would appreciate your checking it for accuracy and deleting any information you wish to be omitted. Please feel free to add any pertinent material. One copy of each report should be returned with your comments, the second copy is for your files. Your prompt attention to this matter will be greatly appreciated.

Yours truly,

D.B. Craig

per

D.B. Craig
Regional Geologist.

Tom: I think this is the last one!
Dave S.

EG
Dynasty Explorations Ltd.
330-355 Burrard Street
Vancouver, B.C.

Zinc, Lead
106 C 14
(64°51'N, 133°08'W)

Reference: Blusson (1974b)

Claims: EG 30-37, 40-47

Location and Access:

The property is located in the Bonnet Plume Range, 14 miles north-east of Pinguicula Lake and 120 miles northeast of Mayo. Access is by fixed wing aircraft from Mayo to Pinguicula Lake and from there by helicopter to the property.

History: The claims were recorded on July 15, 1974.

Description:

The property is underlain by Hadrynian dolomite and limestone with interbedded shale and sandstone. Pyrite and disseminated sphalerite occur as matrix in a brecciated dolomite unit.

Current Work and Results:

Geological mapping, soil geochemistry and rock chip geochemistry were done in 1974. Company geologists considered the main showing to be below economic grade, but several interesting geochemical anomalies were discovered.

Reply To:
330-355 Burrard Street,
Vancouver, B.C. V6C 2G8

May 12th, 1975,

Dr. D. B. Craig,
Regional Geologist,
Dept. of Indian and Northern Affairs,
Building 200, Takhini,
Whitehorse, Y.T.

Dear Dr. Craig:

Enclosed are the reports on our Yukon properties
which have been prepared for inclusion in the D.I.A.N.D.
Mineral Industry Report for Yukon Territory, 1974.

Yours truly,

CYPRUS ANVIL MINING CORPORATION,

Peter M. Dean

PMD/mp
Encl.



Indian and
Northern Affairs

Affaires indiennes
et du Nord

[Handwritten signature]

Regional Geologist's Office
Building 200, Takhini
Whitehorse, Y.T.

April 25, 1975.

Dynasty Explorations Ltd.,
330 - 355 Burrard Street,
Vancouver 1, B.C.

Your file *Votre référence*

Our file *Notre référence*

Dear Sir:

Enclosed are reports on each of your properties in the Yukon which have been prepared for inclusion in the D.I.A.N.D. Mineral Industry Report for Yukon Territory, 1974. I would appreciate your checking it for accuracy and deleting any information you wish to be omitted. Please feel free to add any pertinent material. One copy of each report should be returned with your comments, the second copy is for your files. Your prompt attention to this matter will be greatly appreciated.

Yours truly,

[Handwritten signature: D.B. Craig]
D.B. Craig
Regional Geologist

HOT
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, B.C.

Lead, Zinc
116 A 13
(64°59'N, 137°46'W)

Reference: Green (1972).

Claims: HOT 1-14, 17-30, 33-44

Location and Access:

The claims are located about 5 miles north of Michelle Creek in the central Ogilvie Mountains, 80 miles northeast of Dawson and 110 miles northwest of Mayo. Access is by helicopter from the Dempster Highway, 13.5 miles to the west.

History:

The HOT claims were staked in June of 1974 to cover lead and zinc geochemical silt anomalies discovered earlier in the season.

Description:

Oldest rocks exposed on the property are dolomitic siltstone with minor interbedded dolomite, sandstone and argillite of Proterozoic age. This unit is overlain unconformably by thick-bedded sparry dolomite of Ordo-Silurian age. Galena, sphalerite and minor pyrite occur in a gossan zone in the dolomite unit about 500 feet stratigraphically above the unconformity.

Current Work and Results:

Preliminary geological mapping, prospecting and hand trenching were done on the property in 1974. Assay results from float rock indicated lead and zinc content as high as 37.5 % and 16.2% respectively. Hand trenching in one gossanous area uncovered a bed or vein of massive galena-sphalerite-pyrite, which grades downward into a 2-foot thick zone of disseminated galena and sphalerite in dolomite. The zone pinches out to the southeast but appears to be open to the west. The company geologist recommended a detailed geochemical soil survey and additional hand trenching on the property.

DIDL0
Dynasty Explorations Ltd.
330 - 355 Burrard Street
Vancouver 1, British Columbia

Lead, Zinc
116 B 16, 116 G 1
(65°00'N, 138°18'W)

Reference: Green (1972).

Claims: DIDL0 1-12

Location and Access:

The property is located in the central Ogilvie Mountains, 3 miles west of the Dempster Highway and 70 miles northeast of Dawson. Access is by helicopter or by foot from the Dempster Highway.

History:

The claims were staked in June, 1974, over a galena-sphalerite showing which was discovered earlier that year as a result of a regional stream sediment survey. The area had previously been staked as the SILIYA claims in 1963.

Description:

Property geology consists of strongly folded flinty shale of Proterozoic age, overlain unconformably by relatively flat-lying, massive grey dolomite of Ordo-Silurian age. Galena, sphalerite and pyrite occur in a strongly silicified breccia zone in the upper part of the shale unit, at the unconformity. Coarse-crystalline siderite is present as an alteration mineral.

Current Work and Results:

Prospecting and geological mapping were done on the claims in 1974. The showing appears to be below economic grade.

JUG
Dynasty Explorations Limited
330 - 335 Burrard Street
Vancouver, British Columbia.

Zinc, Lead
116 H 10
(65°37'N, 136°58'W)

Reference: Bamber et al (1963).

Claims: JUG 1-4

Location and Access:

The claims are located on the northeastern flanks of the Ogilvie Mountains, about 3 miles northwest of the Hart River and 140 miles north of Mayo. Access to the property is by helicopter from the Dempster Highway, 32 miles to the northwest.

History:

The property was staked in July of 1974 to cover an iron-rich, acid seep, with associated high lead and zinc content.

Description:

The property is underlain by thin-bedded, fine-grained grey limestone which is overlain conformably by fractured black shale and slate. The flat-lying sediments are of probable Middle to Upper Devonian age.

Two rusty, acid seeps emerge from the shale just above the contact with the limestone. No sulphide minerals have been observed in either the limestone or the shale.

Current Work and Results:

Work consisted of preliminary geological mapping, prospecting and geochemical sampling. Several of the samples are anomalous in lead and zinc.

RALPH
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, British Columbia.

Zinc, Lead
116 G 7
(65°18.5'N, 138°40'W)

Reference: Bamber et al (1963).

Claims: RALPH 1-4

Location and Access:

The claims are on the southeast bank of the Ogilvie River in the central Ogilvie Mountains, about 12 miles west of the Dempster Highway and 90 miles north of Dawson. Access is by helicopter from the Dempster Highway.

History:

The RALPH claims were staked in August of 1974 to cover a lead and zinc geochemical silt anomaly discovered earlier in the season.

Description:

The property is underlain by blocky—fracturing, massive, siliceous dolomite of Lower to Middle Ordovician age. To the south these rocks are overlain conformably by thin-bedded chert, graptolitic shale and shaly limestone which have been correlated with the Ordo-Silurian Road River Formation.

Mineralization on the property consists of secondary iron, zinc and lead minerals in a gossanous zone.

Current Work and Results:

Work consisted of detailed prospecting, geochemistry and hand trenching of the showing. Results of soil geochemistry and analyses of trench samples were not encouraging.

ID
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1 British Columbia.

Lead, Zinc
116 A 13
(64°58.5'N, 137°41.5'W)

Reference: Green (1972).

Claims: ID 1-8

Location and Access:

The property is located 5 miles north of Michelle Creek in the central Ogilvie Mountains, about 80 miles northeast of Dawson and 110 miles northwest of Mayo. Access is by helicopter from the Dempster Highway, 15 miles to the west.

History:

The claims were staked in June of 1974 to cover the headwaters of a small stream which was found to be highly anomalous in lead and zinc.

Description

The oldest rocks on the property are shale and siltstone of Proterozoic age. This unit is overlain unconformably by massive grey dolomite of Ordo-Silurian age. Two gossan zones, about one-half mile apart, occur at the same stratigraphic level above the base of the dolomite unit. The first consists of large blocks of gossan float containing minor secondary zinc minerals. The second contains visible galena and secondary lead minerals.

Current Work and Results:

Preliminary prospecting, geological mapping and limited geochemical sampling were carried out on the claims in 1974. Additional soil sampling and hand trenching were recommended by the company geologist to determine the extent of the mineralized zone.

MAGIC
Dynasty Explorations Ltd.
330-355 Burrard Street
Vancouver, B.C.

Flourite, Barite, Lead, Zinc
106 E 3
(65°01'N, 135°05"W)

Reference: Bamber et al (1963)

Claims: MAGIC 1 to 12

Location and Access:

The property is located on the east bank of Royal Creek, a north-flowing tributary of the Wind River, 2 miles west of Royal Mountain and 100 miles north-northeast of Mayo. Access is by helicopter from Mayo.

History:

The claims were staked in July, 1974, to cover flourite-barite-galena-sphalerite showings discovered during a geological traverse.

Description:

The claims lie on the southwestern limb of a northwest-trending anticline. Massive, resistant limestone of Ordovician to Middle Devonian age is overlain by thin-bedded, recessive, argillaceous limestone of Middle Devonian age, and by black shale of the Upper Devonian Besa River Formation.

Showings of barite, flourite, galena, minor sphalerite and hydrozincite are restricted to a bed a few feet thick near the top of the argillaceous limestone unit.

Current Work and Results:

Work consisted of preliminary prospecting and geological mapping. The showings are apparently below economic grade.

April 7th, 1975,

Dr. D. B. Craig,
Regional Geologist,
Dept. of Indian and Northern Affairs,
Building 200, Takhini,
Whitehorse, Y.T.

Dear Dr. Craig:

Enclosed are the reports on our Yukon properties which have been prepared for inclusion in the D.I.A.N.D. Mineral Industry Report for Yukon Territory, 1974.

Minor changes and deletions were made to some of the reports. Except in the case of the Plata report, which was substantially changed and partially re-typed, the changes have been handwritten on to your original drafts.

Yours truly,

DYNASTY EXPLORATIONS LIMITED,

T. J. Adamson,

TJA/mp
Encl.

Revised reports sent back to Whitehorse April 7 J. C. Adams.

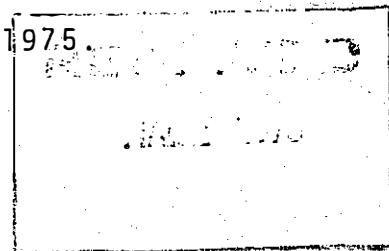


Indian and
Northern Affairs

Affaires indiennes
et du Nord

Regional Geologist's Office
Building 200, Takhini
Whitehorse, Y.T.

March 14, 1975



Dynasty Explorations Ltd.
330 - 355 Burrard Street
Vancouver, B.C.

Your file *Vostra référence*

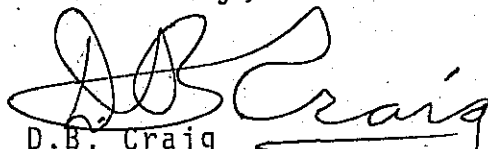
Our file *Notre référence*

Attn: Mr. T.J. Adamson

Dear Sir:

Enclosed are reports on each of your properties in the Yukon which have been prepared for inclusion in the D.I.A.N.D. Mineral Industry Report for Yukon Territory, 1974. I would appreciate your checking it for accuracy and deleting any information you wish to be omitted. Please feel free to add any pertinent material. One copy of each report should be returned with your comments, the second copy is for your files. Your prompt attention to this matter will be greatly appreciated.

Yours truly,


D.B. Craig
Regional Geologist

Dear Tom:

I would like to thank you again for the kindnesses extended to me by Dynasty in 1974. I trust the accompanying reports will meet with your approval.

Best regards

Dave Snelson

GOLD STAR
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver, British Columbia.

Gold, Silver
115 I 6
(62°17'N, 137°09'W)

References: Bostock (1936); Johnston (1937); Tempelman-Kluit (1974a).

Claims: GOLD STAR Group (AUGUSTA, MARGARETE, GOLD STAR, PEERLESS, PROTECTION, SHEARZONE 1-2, VINDICATOR 1-2, LIBERTY, EXCELSIOR 1-3, PROGRESS 1-2, GREENSTONE 1-6), AU 1-44, AG 1-36, PEG 1-24, ADD 1-16; total of 141 claims and fractions.

Location and Access:

The claims are situated on Mount Freegold 30 miles northwest of Carmacks and are readily accessible by a short, four-wheel drive road which connects with the Carmacks-Freegold Road.

History:

The original property was discovered and staked by Mr. P.F. Guder in 1930, who has carried out work on the property intermittently since then, mainly hand trenching and sinking shallow shafts by hand. In 1959, Conwest Exploration Company Limited drilled 5 short holes totalling 1,014 feet. Yukon Revenue Copper had an option on the property in 1969 and carried out detailed geological mapping and limited soil sampling. In 1973, the GOLD STAR Group was optioned by Prism Resources who staked 24 additional claims (PEG 1-24), and carried out a magnetometer survey which outlined two significant magnetic anomalies. The AU, AG and ADD claims were also staked in 1973 and the property subsequently optioned by Dynasty from Mr. P.F. Guder, Mr. E. Campbell and Prism Resources Limited.

Description:

The rocks underlying the property consist mainly of Yukon Group metasediments and metavolcanics intruded by Triassic or older hornblende granodiorite and porphyritic hornblende syenite (Johnston, 1937; Tempelman-Kluit, 1974a). All of the aforementioned rocks are intruded by later, quartz feldspar porphyry dykes of Tertiary age. Gold mineralization is present in siliceous zones ^{within and} at the contacts of quartz feldspar porphyry dykes and in magnetite-chlorite-epidote skarns within the Yukon Group.

The discovery zone on the AUGUSTA claim is body of magnetite replacing a limy layer in Yukon Group quartzite and schist. The magnetite zone trends northwest and is roughly 300 feet long and up to 27 feet wide. The upper, oxidized portion of this zone carries free gold and assays as high as several ounces per ton have been obtained. The unoxidized portion of this zone generally carries much lower values.

On the MARGARETE claim, gold occurs in a quartz-rich zone at the contact of a quartz feldspar porphyry dyke and quartz-feldspar-chlorite gneiss of the Yukon Group. The zone trends east-west and is up to 2 feet wide. Johnston (1937) reports assays as high as 60 ounces per ton gold for selected samples from this zone.

Current Work and Results:

In 1974, Dynasty carried out a program of mapping, soil sampling, magnetic surveying, bulldozer trenching and diamond drilling aimed primarily at testing the zone on the MARGARETE claim and the magnetite skarns indicated by the 1973 magnetic survey. A total 37,800 cubic yards were trenched and 8 holes were drilled for a total of 2,142 feet. The results of this work indicated low grade gold-silver mineralization on the MARGARETE vein zone, generally less than 0.3 ounces per ton gold and 1.0 ounces per ton silver over 5 feet and low, uneconomic gold and silver values in the magnetite skarns.

O-K. J. [Signature]

TAP
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver, British Columbia.

Zinc, Lead
105 I 12
(62°29'N, 129°37'W)

References: G.S.C. Map 8-1967; Sinclair and Gilbert
(1975, pp. 90-91).

Claims: TAP 21-76, 100-113, 200-231

Location and Access:

The property lies 20 miles northwest of Summit Lake from which it can be reached by helicopter. Access is also possible by helicopter from Cominco Lake or from the airstrip on the Canex Placer property.

History:

The claims were staked by Dynasty in the summer of 1973 to cover a zinc anomaly discovered during a regional reconnaissance program. Further geochemical sampling in 1973 outlined a number of attractive zinc anomalies. Work on the claims was carried out by Dynasty under an agreement between Dynasty, Cima Resources Limited, Precambrian Shield Resources and Numac Oil and Gas Limited.

Description:

The property is underlain by Devonian-Mississippian black clastics consisting mainly of black chert, shale, chert sandstone and chert-pebble conglomerate (unit 18b, G.S.C. Map 8-1967). Blocky, thick-bedded, black chert is the most extensive unit and is characterized by thin fracture fillings of honey-coloured barite. Within the black chert unit are a number of beds up to 30 feet thick of black baritic limestone. The black chert is successively overlain by black argillite and black shale, interbedded shale and chert and chert-pebble conglomerate. The rocks strike west-northwest and dip vertically to steeply to the north.

A nearly vertical, northeast-trending fault roughly perpendicular to bedding occurs on the eastern part of the property. The fault appears to have right-hand strike-slip movement of about 200 feet. The fault zone is 20 to 30 feet wide and is intensely brecciated.

Mineral showings on the property consist of gossanous baritic limestone with minor hydrozincite coatings in and adjacent to the fault zone. ✓ No sulphide minerals have been encountered on the property.

Selected gossanous samples assayed up to around 3% zinc

Current Work and Results:

Detailed geological mapping and soil sampling were carried out by Dynasty in 1974. The soil sampling outlined a number of zinc anomalies coincident with the fault zone and downslope from baritic limestone. One strong, linear zinc anomaly was found along a main creek and is probably hydromorphic in nature. A large irregular copper anomaly was outlined over the black chert unit although no evidence of any copper minerals was observed. Lead results were generally low except for a few scattered spot high values.

Two samples of gossanous baritic limestone float in the fault area assayed 3.12 and 0.66 per cent zinc respectively. Two samples of fresh baritic limestone 600 feet and 1,000 feet from the fault area assayed 0.09 and 0.03 per cent zinc respectively. *delete*

~~On the basis of these results,~~ a company geologist recommended no further work at the present time.

O.K. with changes as noted
above
J. Robinson

GULL
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver, British Columbia.

Lead, Zinc
105 I 11
(62°34'N, 129°27'W)

References: G.S.C. Map 8-1967; Sinclair and Gilbert
(1975, pp. 93-94).

Claims: GULL 1-54

Location and Access:

The GULL claim group is 108 miles east-northeast of Ross River, immediately adjacent to the DON group of Canex Placer. Access in 1974 was by fixed wing to Summit Lake or an airstrip on the Canex Placer property and then via helicopter to the property itself.

History:

The claims were staked in the winter of 1972-73 and reconnaissance geological mapping and geochemical sampling was carried out during the following summer.

Description:

The property is underlain by a folded sequence of Lower Paleozoic sediments which are poorly exposed. The sequence consists of Upper Cambrian, wavy-bedded limestone (unit 7b, G.S.C. Map 8-1967) overlain by black, graphitic, graptolitic shale of Lower Ordovician age (unit 10, G.S.C. Map 8-1967) which ^{is} ~~are~~ host to the lead-zinc showing on ^{other properties in the immediate area.} ~~the Canex Placer property~~. The shale is overlain in turn by a Devonian-Mississippian sequence of black clastics consisting of shale, chert sandstone and chert pebble conglomerate (unit 18b, G.S.C, Map 8-1967).

Current Work and Results:

Field work in 1974 consisted of detailed soil sampling for copper, lead and zinc. Two lead anomalies were outlined with strike lengths of 3,000 and 2,000 feet respectively. The anomalies are continuous except for a short gap between them which coincides topographically with a small creek. Both anomalies probably represent a single bedrock source but the nature of the bedrock in the area is obscured by the lack of outcrop.

O.K. with change noted above
J. Johnson

PAS
Dynasty Explorations Limited
330-355 Burrard Street
Vancouver, British Columbia

Lead, Zinc
105 I 6,11
(62°29'N, 129°14'W)

References: G.S.C. Map 8-1967; Sinclair and Gilbert (1975, pp.92-93)

Claims: PAS 1-15; 17-50

Location and Access:

The property is situated 110 miles east-northeast of Ross River along the Yukon-Northwest Territories border at an elevation of about 5500 feet. Access in 1974 was by float plane to Summit Lake, 11 miles to the south-southwest, and then by helicopter, or by wheeled aircraft to an airstrip on the Canex Placer property to the southeast and thence via helicopter.

History:

The PAS claims were staked in 1972 and 1973 following the discovery of lead-zinc by Canex Placer. In 1973, geological mapping and soil sampling outlined coincident lead, zinc and copper anomalies on a lead-and zinc-rich zone in black shales. ~~Assays from this horizon averaged 3.99 per cent lead, 14.5 per cent zinc and 0.12 ounces per ton silver.~~ *Assays from this horizon averaged 3.99 per cent lead, 14.5 per cent zinc and 0.12 ounces per ton silver. A number of lead-zinc sulphides occur in the shales.*

Description:

The claims are underlain by a sequence of sediments which have been folded along east-northeast trending axes. At the base of the sequence is a thinly-bedded, buff-weathering, dolomitic limestone (Unit 7b, G.S.C. Map 8-1967). This limestone grades upward through thinly-bedded, transitional dolomitic rock into black, graptolitic shale, locally graphitic and calcareous (Unit 10, G.S.C. Map 8-1967). The graptolitic shale is overlain by limy argillite and black shale (Unit 18b, G.S.C. Map 8-1967). Lead and zinc sulphides occur on the property in a siliceous, light-grey horizon within the graptolitic shale unit. The sulphides are very fine grained and occur in thin sulphide beds and along cleavage planes.

Current Work and Results:

In 1974, work on the PAS property consisted of detailed geological mapping and soil sampling, bulldozer trenching and 1,661 feet of diamond

drilling in 4 holes. A zone of stratiform lead-zinc sulphides was outlined on which further work is necessary before a complete evaluation can be made.

O.K. with changes as noted above
J. Calman

MS
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, British Columbia.

Tungsten, Copper,
Molybdenum
105 J 16
(62°46'N, 130°11'W)

References: G.S.C. Map 8-1967; Sinclair and Gilbert
(1975, pp. 91-92).

Claims: MS 10-21, 30-41, 60-73, 90-101

Location and Access:

The MS claims are roughly 5 miles south of Itsi Lakes and 92 miles northeast of Ross River. Access is by fixed wing from Ross River to Itsi Lakes and then via helicopter to the property itself.

History:

The claims were staked in July, 1973 and reconnaissance soil and silt sampling carried out at that time.

Description:

The property is underlain by clastic sedimentary rocks of Devonian-Mississippian age (G.S.C. Map 8-1967) consisting of interbedded hornfels-shale and black chert. These rocks have been folded about northwest-trending axes. To the northeast, the sequence is intruded by a syenitic, orthoclase feldspar porphyry and to the southwest it is intruded by an even-grained, syenitic rock with biotite-muscovite alteration. Both intrusive rocks are devoid of any visible sulphides. Hornfels is abundant at the sediment-intrusive contact and pyrite and pyrrhotite are concentrated locally in the hornfels-shale near the intrusive contact. No other mineral occurrences have been observed.

Current Work and Results:

Geological mapping carried out in 1974 failed to locate any significant mineral showings.

Geochemical sampling was carried out for copper, molybdenum and tungsten but no significant anomalies were outlined.

A ground magnetometer survey outlined a northwest-trending anomaly in the northeast section of the property. This anomaly is roughly coincident with the hornfels-shale and intrusive contact and is probably due to high pyrrhotite content of the hornfels-shale in this area.

O.K. *[Signature]*

TAM
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver, British Columbia.

Lead, Zinc
105 I 12
(62°34'N, 129°45'W)

References: G.S.C. Map 8-1967; Sinclair and Gilbert
(1975, p. 95).

Claims: TAM 1-48

Location and Access:

The claims lie 19 miles northwest of Summit Lake, roughly 96 miles east-northeast of Ross River. In 1974, the property was serviced by helicopter from Summit Lake or from an airstrip on the Canex Placer property.

History:

The claims were staked in 1972 by Welcome North Mines Limited and subsequently optioned to Dynasty. Geological mapping and reconnaissance geochemical sampling with some detailed follow-up sampling were conducted in 1973.

Description:

The property is underlain by Lower Paleozoic sediments consisting of argillite overlain by chert and shale, chert-pebble conglomerate and siltstone (unit 18b, G.S.C. Map 8-1967). No mineral showings have been found.

Current Work and Results:

A small amount of fill-in sampling was carried out on the property in 1974 but no areas warranting any further work were defined.

O.K.
J. Robinson

KIWI
Dynasty Explorations Limited
330-355 Burrard Street
Vancouver, B.C.

Zinc, Lead
116 B 10,15
(64°45'N, 138°47'W)

Reference: Green (1972)

Claims: KIWI 1-80

Location and Access:

The property is located in the southern Ogilvie Mountains, 15 miles southwest of Chapman Lake (Mile 74) on the Dempster Highway, and 52 air miles north-northeast of Dawson. Access is by helicopter from Dawson or from one of the helicopter pads on the Dempster Highway.

History:

The claims were staked during a regional exploration program in 1974.

Description:

The area is underlain by a sequence of Proterozoic clastic sediments including buff to orange-weathering dolomite, dark shale, grey-weathering dolomite, and minor quartzite, limestone and conglomerate (Unit 2, Green, 1972). Sphalerite and galena occur in veins and breccia zones in dolomite.

Current Work and Results:

Results of a geochemical soil survey were inconclusive. More sampling and detailed mapping are required to evaluate the claims.

OK

OZ
Dynasty Explorations Limited
330-355 Burrard Street
Vancouver, B.C.

Zinc, Lead
116 B 12,13
(64°44'N, 139°44'W)

Reference: Green (1972)

Claims: OZ 1 to 81

Location and Access:

The property is located 6 miles northeast of Mount Harper in the southern Ogilvie Mountains. Access is by helicopter from Dawson, 47 miles to the south.

History:

The claims were staked during the 1974 regional exploration program.

Description:

The property is underlain by a clastic sequence of Proterozoic sediments consisting of orange-and buff-weathering dolomite, shale, grey-weathering dolomite, and lesser amounts of quartzite, limestone and conglomerate (Unit 2, Green, 1972). Sphalerite and galena occur in veins and breccia zones in dolomite and shale.

Current Work and Results:

In 1974 geological mapping and geochemical soil surveys were carried out on the central claims in the group. Company geologists consider that more work is required to evaluate the property.

B-K

BILBO
Dynasty Explorations Limited
330-355 Burrard Street
Vancouver, B.C.

Barite, Lead
116 G7
(65°16'N, 138°41'W)

Reference: G.S.C. Map 10-1963

Claims: BILBO 1-47

Location and Access:

The property is in the central Ogilvie Mountains, 11 miles west of the Dempster Highway and 85 air miles north-northeast of Dawson. Access is by helicopter from Dawson or the Dempster Highway.

History:

The claims were staked during a regional exploration program in 1974.

Description:

The area is underlain by lower Paleozoic limestone, dolomite and shale. Some barite and galena occur in a breccia zone at the crest of a fold in Ordovician dolomite.

Current Work and Results:

Work in 1974 consisted of geological mapping and geochemical soil sampling. The soil survey did not reveal any significant anomalies.

OK

PLATA
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, British Columbia.

Silver, Lead, Zinc
105 N 9, 105 O 12
(63°35'N, 132°02'W)

References: Blusson and Tempelman-Kluit (1970, pp. 29-32); Sinclair and Gilbert (1975, pp. 17-19).

Claims: PLATA 1-232, 241-^{258, 267-288}~~288~~, INCA 1-44

Location and Access:

The claim groups are situated in the Bostock Range of the Hess Mountains roughly halfway between the Rogue and Hess Rivers. Access in 1974 was by fixed wing aircraft from Ross River, 108 miles to the south, to an airstrip 6 miles south of the property. The property was then reached by helicopter.

History:

The claims were staked in August and September, 1972 and July, 1974. The property was first examined late in 1972 by a program of hand trenching, geochemical and geophysical surveys and diamond drilling. Work in 1973 consisted mainly of bulldozer trenching.

Description:

The property is underlain by interbedded shale and chert of Devono-Mississippian age unconformably overlying or in fault contact with ~~Cambrian or older~~ ^{Proterozoic} maroon and green slate with quartzite and limestone lenses. A quartz porphyry dyke trending east-west is the only intrusive on the property. The sediments strike west to west-northwest and are isoclinally folded and displaced by bedding plane thrusts. They are also cut by a set of conjugate faults trending roughly northeast and northwest. Vein mineralization consists of gold and silver in a central quartz vein in a major thrust zone and high grade argentiferous galena associated with siderite gangue in the northeast- and northwest-trending faults. The latter are considered by Dynasty to have the greatest potential. In all, 42 separate showings have been discovered to date.

Current Work and Results:

In 1974, a number of important silver-lead occurrences were investigated by bulldozer trenching. Zone 2 on the PLATA claims consists of foliated galena with minor tetrahedrite and siderite gangue within a northeast-trending shear zone dipping 55°-70° to the west. A 180 foot section along this zone grades 35 per cent lead and 84 ounces per ton silver over mineable widths.

Zone 6 on the PLATA group contains jarosite, anglesite and siderite fault gouge with galena blocks in highly sheared black shale and chert. Grade of galena blocks average 80 per cent lead and 235 ounces per ton silver. The bedrock source of the high-grade float has not yet been located.

Another fault structure outlined contained a 70 foot length of yellow jarosite-siderite-anglesite fault gouge with minor galena with average thickness of 2 feet grading .17 oz/ton Au, 70 oz/ton silver and 15 per cent lead.

On the INCA claims, zone 7 contains massive galena with minor tetrahedrite in a northwest-striking fault zone up to 35 feet wide and dipping 60° to 80° to the northeast. Grades over a 70 foot long section on the zone average 27.5 per cent lead and 70 ounces per ton silver.

Zone 12 on the INCA claims is a lens 1 to 3 feet thick of massive galena with minor tetrahedrite in a northeast-striking fault zone dipping 60° northwest. This zone has been traced for 130 feet along strike over which the grades are roughly 30 per cent lead and 47 ounces per ton silver over a 5 foot mining width.

Geochemical soil sampling was also carried out on the PLATA and INCA claims in 1974. The samples were analyzed for silver and lead. Silver-lead anomalies were found to coincide very closely with known areas of near-surface mineralization and at least two additional zones of potential interest were outlined on the PLATA claims.

For 1975, the company has recommended a program of diamond drilling to test the possible tonnage potential of zones 2 and 6 on the PLATA Group and 7 and 12 on the INCA Group.

March 6, 1975,

Dr. D.B. Craig,
Regional Geologist,
Indian & Northern Affairs,
Room 211, Federal Building,
Whitehorse, Y.T.

Dear Dr. Craig:

Dynasty Explorations Limited authorizes you to publish the enclosed mineral property summaries in the 1971 - 72 Mineral Industry report. A few minor corrections were made in the text of the Acme and Roto reports.

Yours truly,

DYNASTY EXPLORATIONS LIMITED,

T.J. Adamson,
Geologist

TJA/bjs



Indian and
Northern Affairs

Affaires indiennes
et du Nord

Rm. 211 Federal Bldg.,
Whitehorse, Y.T.,
Feb. 21, 1975.

Your file Votre référence

Our file Notre référence

Dynasty Explorations Ltd.,
330 - 355 Burrard St.,
Vancouver, B.C.

Dear Sir:

Enclosed is a summary of your property intended for inclusion in the 1971-72 Mineral Industry Report. I request your authorization to publish this material and would also appreciate any corrections or other remarks which you may wish to contribute.

Thank you.

Yours truly,

D.B. Craig,
Regional Geologist.

*Corrected & returned to Craig
March 6
J. Dolan*



Indian and
Northern Affairs

Affaires indiennes
et du Nord

Rm. 211 Federal Bldg.,
Whitehorse, Y.T.,
Feb. 21, 1975.

Dywest

Atlas Explorations Ltd.,
330 - 355 Burrard St.,
Vancouver, B.C.

Your file Votre référence

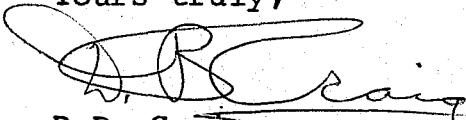
Our file Notre référence

Dear Sir:

Enclosed is a summary of your property intended for inclusion in the 1971-72 Mineral Industry Report. I request your authorization to publish this material and would also appreciate any corrections or other remarks which you may wish to contribute.

Thank you.

Yours truly,



D.B. Craig,
Regional Geologist.

FOTO
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver, British Columbia.

Lead, Zinc
105 K 2, 7
(62°15'N, 132°44'W).

Reference: Tempelman-Kluit (1972).

Claims: FOTO 1-224

Location and Access:

The claims are situated in a single block 2 miles north-east of a small lake known locally as Cub Lake. Faro is 20 miles southeast. Access is by fixed-wing aircraft to Cub Lake or by helicopter to the property itself.

History:

The claims were staked in the spring and summer of 1972 following regional geological mapping and airborne magnetic and electromagnetic surveys in the area.

Description:

The property is underlain by Proterozoic and Lower Paleozoic strata which have been complexly deformed. The oldest rocks are quartz-biotite-garnet schist with staurolite and andalusite porphyroblasts and quartz-mica schist of Hadrynian to Cambrian (?) age (unit 2, Tempelman-Kluit, 1972). These are overlain by well-foliated quartz-sericite-biotite-chlorite graphite phyllite and sericite-chlorite-graphite phyllite of Lower Cambrian (?) age which contain greenstone lenses up to several hundred feet thick (unit 3, Tempelman-Kluit, 1972). East of the claims, these rocks are intruded by Cretaceous quartz monzonite to granodiorite of the Anvil Batholith (unit 11, Tempelman-Kluit, 1972).

No lead or zinc sulphides have been located on the property although disseminated pyrite was noted locally in quartz-graphite phyllite.

Current Work and Results:

Work on the property in 1972 consisted of geological mapping, rock and soil sampling and magnetic, electromagnetic (Turam) and gravity surveys.

The soil sampling failed to outline any anomalous areas, probably as a result of thick overburden cover. Rock geochemical sampling also did not indicate any significant lead-zinc rich trends.

The magnetic survey indicated four anomalous areas, three of which were coincident with electromagnetic and gravity response.

ACME
Dynasty Explorations Limited
330, 355 Burrard Street
Vancouver, B.C.

Lead, Zinc
105 K 2
(62°07'N, 132°47'W)

Reference: Tempelman-Kluit (1972)

Claims: ACME 1-24

Location and Access:

The claims are situated two miles west of Orchard Lakes, roughly 20 miles east south-east of Faro. Access in 1971 was by helicopter or by float plane to a small unnamed lake on the claim group.

History:

The area was previously staked on the LEES, COME, PAL and LET claims on which a number of airborne magnetic and electromagnetic anomalies were outlined in 1966. There was some followup work on the property but the claims were subsequently allowed to lapse in 1971, at which time they were restaked by Dynasty Explorations as the ACME claim group.

Description:

The claims lie on the southwestern limb of a large anticline, the core of which is formed by the Anvil Batholith of Cretaceous age.

The oldest rocks on the property are dark slate and phyllite and black, banded hornfels of Hadrynian to Cambrian age (Unit 2, Tempelman-Kluit, 1972). To the south and west these rocks are bounded by faults trending southeast and roughly north-south. Rocks in fault contact with the slate and phyllite to the south and east are mainly volcanic rocks of Upper Pennsylvanian to Lower Permian age consisting of tuffaceous chert overlain by basalt (Unit 8, Tempelman-Kluit 1972). These rocks are resistant to erosion and form a prominent ridge on the southwestern portion of the claim group. Pyroxene-plagioclase gabbro of Upper Permian to Lower Triassic age (Unit 9, Tempelman-Kluit 1972) occurs as fault-bounded intrusions along the Vangorda Creek Fault, a strong, southeast-trending system of shears which crosses the southern portion of the property. Small dykes of granodiorite related to the Anvil Batholith (Unit 11, Tempelman-Kluit 1972) intrude the volcanics locally.

Two mineral occurrences have been observed on the property. One consists of chalcopyrite with minor bornite associated with a quartz vein in a shear zone cutting gabbro. The second is a rhyolite dyke heavily impregnated with pyrrhotite in an area of volcanic rock.

Current Work and Results:

In 1971, a program of geological mapping, soil sampling and magnetic, electromagnetic and gravity surveys were carried out.

A number of coincident magnetic, electromagnetic and gravity anomalies were outlined. The soil sampling was ineffective in outlining any anomalous areas.

HOHO, BRAM
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver, British Columbia.

Lead, Zinc
105 K 3
(62°14'N, 133°02'W)

Reference: Tempelman-Kluit (1972).

Claims: HOHO 1-8, 17-48; BRAM 9-16

Location and Access:

The claims form a contiguous block along Blind Creek, 7 miles up from its confluence with the Pelly River. A 4 1/2-mile tote road suitable for tracked vehicles runs through the property along the northwest side of Blind Creek from the Vangorda-Swim Lakes Road. Access in 1971 was by helicopter from Faro, 10 miles to the west.

History:

The claims were staked initially as part of the DY claims in 1964 and the following year airborne surveys outlined magnetic and electromagnetic anomalies in the area. The claims lapsed and were restaked in 1966 as part of the LUK group. These claims also lapsed and were restaked in 1971 as the HOHO and BRAM claims by Dynasty Explorations Limited.

Description:

The area is underlain by Lower Paleozoic strata, mainly sericite-biotite schist and quartz phyllite (unit 3, Tempelman-Kluit, 1972). To the northwest, these rocks are intruded by granitic rocks of the Anvil Batholith (unit 11, op. cit.).

The property itself has few outcrops except along Blind Creek where a sequence of phyllitic rocks is exposed. At the base of the section is a dark-grey, very quartz-rich phyllite. This grades upward through pale-grey to pale-greenish sericite-chlorite phyllite which in turn grades into a limy, carbonate phyllite at the top of the section. The middle and upper sections of the phyllite contain lenses of greenstone up to tens of feet thick varying from massive amphibolite at the core to well-foliated chlorite schists near the margins. These lenses frequently contain pyrrhotite and pyrite and sparse chalcopyrite locally in quartz veins.

Current Work and Results:

Work on the property in 1971 consisted of geological mapping, soil sampling and a ground electromagnetic survey.

The airborne surveys in 1965 outlined two electromagnetic anomalies now covered by the HOHO and BRAM claims. The 1971 ground electromagnetic survey was carried out over these anomalies with a Crone C.E.M. instrument using a horizontal loop configuration. This survey outlined a number of anomalies including a strong anomaly in the area of one of the airborne anomalies, located west of Blind Creek.

Soil sampling was carried out in the vicinity of the ground electromagnetic anomalies and outlined one area of coincident copper, lead and zinc anomalies near the northwest border of the property.

ROTO, LORNA, GRAN, JEAN, ARO
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver, British Columbia.

Lead, Zinc
105 K 5
(62°25'N, 133°45'W)

Reference: Tempelman-Kluit (1972).

Claims: ROTO 1-53; LORNA 1-60; GRAN 1-24; JEAN 1-28; ARO 1-40,
49,50

Location and Access:

The property lies along Anvil Creek 7 miles northwest of Rose Mountain. Access is normally via helicopter from Faro, 18 miles to the southwest.

History:

The claims were staked late in 1970 following the discovery of several airborne magnetic and electromagnetic anomalies.

Description:

The property lies on the southwest limb of the Anvil Arch, a northwest-trending antiform with the elongate Anvil Batholith in the core. The section consists of Proterozoic and Paleozoic strata which have undergone complex structural deformation.

The ROTO, LORNA, GRAN, JEAN and ARO claims are underlain by a belt of phyllitic rocks of Lower Cambrian (?) age (unit 3, Tempelman-Kluit, 1972) bordered on the north and south by Cretaceous granitic rocks (unit 11, op. cit.).

Current Work and Results:

In 1970, preliminary geological mapping and geochemical reconnaissance were carried out in the area. Ground magnetic, electromagnetic and gravity surveys and soil sampling were undertaken in the areas of the airborne magnetic and electromagnetic anomalies outlined ^{DURING PREVIOUS SURVEYS.} ~~earlier in the summer~~. Late in 1970, a coincident magnetic-gravity anomaly outlined on the LORNA group was tested by a single, 576-foot diamond drill hole, which encountered massive greenstone and chlorite schist throughout.

In 1972, work on the property consisted of detailed geological mapping of the property. Although much of the property is covered by as much as 200 feet of overburden, the claims do appear to be underlain by a sequence of south-dipping schist and phyllite, including the favourable quartz-rich phyllite. Minor amounts of pyrite and pyrrhotite as well as traces of galena were observed in phyllitic rocks on the ROTO, LORNA and ARO claim groups.

BOT ^{Deposit}
Atlas Explorations Limited
330 - 355 Burrard Street
Vancouver, British Columbia.

Asbestos
105 G 10
(61°39'N, 130°55'W)

Reference: G.S.C. Map 8-1960.

Claims: BOT 48-69

Location and Access:

The claim block straddles Big Campbell Creek, about 8 miles southwest of Finlayson Lake and 55 miles east-southeast of Ross River. The Campbell Highway passes to within 5 miles of the property on the north side. Access during 1970 was by helicopter from the highway at Finlayson Lake.

History:

The claims were staked in 1969 to cover an area of asbestos showings found by a company prospecting crew. Work on the property in 1969 consisted of geological mapping, prospecting and a ground magnetometer survey.

Description:

Asbestos occurs in a 200 to 500 foot wide serpentinite dyke that strikes about 290° and dips steeply to the north. Lateral displacement of the dyke is caused in several places by northeasterly trending right-lateral faults. Chrysotile veinlets are mantled by 1/2 to 1 inch wide alteration envelopes of magnetite. All exposures are of sub-economic grade.

Current Work and Results:

In 1970 a ground magnetic survey outlined the areal extent of the serpentinite host rock beneath the overburden. Three test pits were dug over some of the magnetic highs but these did not reach bedrock.

February 17th, 1975,

Dr. D. B. Craig,
Regional Geologist,
Department of Indian & Northern Affairs,
Room 211, Federal Building,
Whitehorse, Y.T.

Dear Doug:

Please find enclosed your summary of the Plata Group which has been changed very slightly. You also have our permission to publish the material.

Yours truly,

SYNASTY EXPLORATIONS LIMITED,

Wayne J. Roberts,
Geologist

WJR/mp
Encl.

Mayo 9-10a + b

PLATA
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, British Columbia.

Silver, Lead, Zinc
105 N 9
(63°35'N, 132°02'W)

Reference: Blusson and Tempelman-Kluit (1970, pp. 29-32).

Claims: PLATA 1-232, 241-288; INCA 1-32

Location and Access:

The PLATA property, at 3,000 to 6,500 feet in elevation, is in the Bostock Range of the Hess Mountains between the Rogue and the Hess Rivers, 115 miles east of Mayo and 108 miles north of Ross River. Access is by float plane to a lake 2,500 feet long, seven miles to the south and by helicopter to the property.

History:

The property was staked in August and September of 1972; the area of the main silver-lead-zinc showing having been previously held as the GREG claims, staked by Atlas in 1969.

Description:

The PLATA claims are underlain by argillaceous low-rank metasedimentary rocks ranging in age from ^{Precambrian} (Precambrian) to Mississippian. A sequence of red, green and ~~gray~~ slate with minor quartzite and limestone (unit ^{2?}7), Blusson and Tempelman-Kluit, 1970) is unconformably overlain by Devonian-Mississippian argillite, slate and chert-pebble conglomerate (unit 12, op. cit.). These rocks are intruded by quartz-muscovite porphyry and aplite dykes and sills of probable Cretaceous age (unit 14, op. cit.).

The rocks strike west to west-northwest, are isoclinally folded with amplitudes of a few hundred feet and are displaced along bedding plane faults. One prominent fault system trends northeast, ^{generally} containing ^{associated breccias} a breccia in which contains quartz, carbonate and pyrite. A second fault system trends north-northwest, has right lateral displacement and includes the Plata fault zone which strikes 150 degrees and dips 65 degrees southwest.

Mineral showings are localized on the north flank of an anticlinal structure with four distinctly different sets of faults and fractures. It is not known which set most strongly controls the mineralization, but the Plata zone has the most promising showings associated with it.

Several mineralogical assemblages are represented by various vein types: galena, quartz-tetrahedrite, galena-sphalerite-tetrahedrite, siderite-sphalerite-galena replacement and arsenopyrite-pyrite-galena-boulangerite-tetrahedrite. Six major showings and several smaller ones have been discovered. The main showing (#4) strikes 80 degrees, dips 45 degrees south and has been traced over a strike length of 700 feet with a true width of 5-18 feet.

Current Work and Results: Following staking, 17.5

~~Following staking~~ 17.5 miles of line were cut for geophysical and geochemical surveys. Aerial photography was flown to provide coverage of 54 square miles at 1 inch to ^{to 1000 feet} ~~one-half mile~~. Ground control was established for topographic map preparation. Thirteen hand pits were dug, blasted and sampled. Six holes totalling 1,315 feet were diamond drilled between mid-September and the end of October. This drilling demonstrated the continuity of the main vein system for at least 750 feet down dip and a slight flattening from 45 degrees at surface to 35 to 40 degrees at depth. Assays from the 6-foot vein intersection in hole No. 4 indicated 3.4 to 8.0 per cent lead, 10.8 to 15.3 per cent zinc and 10 oz per ton silver. The silver: lead ratio declined from roughly 5:1 at surface to 2:1 at depth.

A test EM survey demonstrated a marked response at high frequency over the main showing.

The geochemical survey consisted of samples taken at 100 foot intervals along the cut lines - spacing being 100 feet near the main showing and 400 feet on the rest of the grid. The most prominent lead anomaly overlies the vein system of the main showing. Zinc response is low. Two downslope zinc anomalies do occur at the east and west ends of a known vein system. A second prominent lead-zinc anomaly occurs in the northwest portion of the grid. Three small showings account for part of this anomaly but much of it remains to be explained by further work.

A major program of bulldozer trenching, geological mapping and soil sampling is planned for 1973.

December 20th, 1974,

Dr. D. B. Craig,
Regional Geologist,
Room 103, Federal Building,
Whitehorse, Y.T. Y1A 3V1

Dear Dr. Craig:

Enclosed are the summaries of work that was carried out on the "Scot" and "Capa-Echo-Delta" claim groups for publication in the 1971-72 Mineral Industry Report.

Please note that we have made some minor revisions to your drafts to more fully describe the sequence of exploration that has taken place on these properties.

Merry Christmas to you and your staff from all of us at Dynasty Explorations.

Yours truly,

DYNASTY EXPLORATIONS LIMITED,

T. J. Adamson,

TJA/mp
Encl.



Indian and
Northern Affairs

Affaires indiennes
et du Nord

Rm. 103 Federal Bldg.,
Whitehorse, Y.T.,
Y1A 3V1
December 13, 1974.

Cima Resources Ltd.,
330 - 355 Burrard St.,
Vancouver 1, B.C.

Your file Votre référence

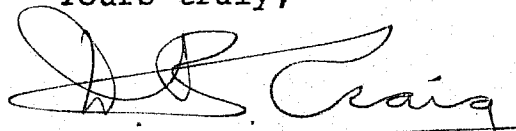
Our file Notre référence

Dear Sir:

Enclosed is a summary of your property intended for inclusion in the 1971-72 Mineral Industry Report. I request your authorization to publish this material and would also appreciate any corrections or other remarks which you may wish to contribute.

Thank you.

Yours truly,



D.B. Craig,
Regional Geologist.

Revised by Dynasty Explorations Limited, December 20, 1974

CAPA, ECHO, DELTA
Dynasty Explorations Limited,
330-355 Burrard Street,
Vancouver, British Columbia.

Lead, Zinc

References: Green (1966, pp. 47-49); Tempelman-Kluit (1972)

Location and Access:

The property is located among and adjacent to Swim Lakes, 18 miles east of Faro and 20 miles northwest of Ross River. Float planes can land at any of five lakes on and near the property. Numerous tote trails provide for fairly easy movement on the property, with bombardier-type tracked vehicles. Physiographically, the property is at the south-east end of the Anvil Range.

History:

In 1964 and 1965, Dynasty conducted airborne and ground geophysical surveys (aeromagnetic, ground magnetic and limited gravity work) over the area then held as the CUB and NASTY claim groups. Eight rotary drill holes, three on the NASTY claims and five on the CUB, were put down over gravity and magnetic anomalies. The ground was restaked in 1971.

Description:

The Anvil Range, about 50 miles long and 20 miles wide, comprises a belt of Proterozoic and Paleozoic strata. The dominant structure, the Anvil Arch, is a northwest trending, asymmetric antiform with the Anvil Batholith in its core. (G.S.C. Map 1261A by Templeman-Kluit). In the southeast, the amplitude of the arch diminishes resulting in a broad, shallow basin, the structural setting of the CAPA-ECHO-DELTA claims. The stratigraphic section consists of quartz mica schists and calc-silicates overlain by phyllite (Map 1261A, Unit 3), which is unconformably overlain by late Paleozoic volcanics and sediments. The known deposits in the area are in the quartz-rich phyllites at the base of Unit 3.

The CAPA and ECHO claim groups are underlain by the favourable quartz-rich lower part of the phyllite unit. Bedrock geology of the DELTA claims consists of phyllites higher in the section.

Current Work and Results:

The 1971 and 1972 exploration activity consisted of geochemical surveys, extensive further geophysical work, geological mapping at one inch equals 1,320 feet and diamond drilling of seven holes, totalling 3,566 feet.

Geochemical surveys were done to evaluate several techniques. Since much of the area is covered with deep, transported overburden, in some places to depths greater than 300 feet, conventional soil sampling is not reliable. Soil geochemical response was found to be weak and spotty. Silt samples from streams and the numerous ponds and lakes were found to give anomalous results which could be correlated with known gravity anomalies and electromagnetic conductors. Thus, lake silt analysis will be a useful prospecting tool in the district. Rock geochemical samples, consisting of chips from 10-foot intervals in the rotary holes and chips every foot for 25-foot intervals from the diamond drill core were found to reflect distinctly different background values for copper, lead and zinc in the rock units studied. The method should provide an aid in logging and may be used to establish geochemical trends within single units.

During the 1971 and 1972 field season, Dynasty completed ground magnetometer and deep penetrating C.E.M. electromagnetic surveys over most of the claims. Gravity surveys were then conducted over interesting magnetic and electromagnetic results. A follow-up program of seven drill holes testing major coincident geophysical anomalies was undertaken during the fall of 1972.

Revised by Cima Resources Limited, December 20th, 1974

SCOT GROUP
Cima Resources Limited,
330-355 Burrard Street,
Vancouver 1, British Columbia

Zinc, Copper, Silver
105-0-6
(63°20'N, 131°17'W)

Claims: SCOT 1-6, 19, 24, 26, 29, and 30

Location and Access:

The claims are on the north side of the Hess River about 3 miles north-northeast of Nidderly Lake and 100 air-miles from Ross River. Access is by float plane to Jake Lake, one and one-half miles northeast of the property.

History:

Claims SCOT 1-24 were staked late in the 1967 season, as a result of a strong zinc soil geochemical anomaly. In 1968, geological mapping, soil geochemistry, magnetic and EM surveys, and semi-regional silt sampling were carried out. The claims were extended to the east. In 1969 more soil geochemistry was done.

Description:

Geochemical soil and silt sampling outlined a large high magnitude zinc anomaly on the Scot claim group. The claims are underlain by steeply dipping, southeasterly trending graphitic cherts, shales and slate, with minor limestone, quartzite and phyllite. The best geochemical response is in an area of deep overburden cover. Travertine, occurring both as float and actively being deposited from ground water seepages, was found over much of the zinc anomaly area. The travertine assayed as much as 1% zinc. No sulphide mineralization has been found in the vicinity of the soil anomaly.

The zinc in the soil anomaly has probably undergone, to an unknown degree, transportation in ground water, concentration in the surface environment by various "scavenging" processes and co-precipitation with travertine.

Current Work and Results:

A gravity survey was conducted on the Scot claims in 1971. A residual gravity anomaly with peak values of 0.9 milligals was defined. This anomaly does not appear to be the result of surface topographic effect.

The large zinc anomaly in soils is slightly downslope from the gravity anomaly.

Diamond drill testing of the gravity-zinc geochemical anomaly was recommended.

SCOT GROUP
Atlas Explorations Limited
330 - 355 Burrard Street
Vancouver 1, British Columbia.

Zinc, Copper, Silver
105 0 6
(63°20'N, 131°17'W)

Claims: SCOT 1-6, 1924, 26, 29 and 30

Location and Access:

The claims are on the north side of the Hess River about 3 miles north-northeast of Niddery Lake and 100 air-miles from Ross River. Access is by float plane to Jake Lake, one and one-half miles northeast of the property.

History:

Claims SCOT 1-24 were staked late in the 1967 season, as a result of a strong zinc soil geochemical anomaly. In 1968, geological mapping, soil geochemistry, magnetic and EM surveys, and semi-regional silt sampling were carried out. The claims were extended to the east. In 1969 more soil geochemistry was done.

Description:

Regional mapping suggests that the claim group is underlain by steeply-dipping, southeasterly-trending graphitic cherts, shales and slates with minor limestone, quartzite and phyllite all of Devonian-Mississippian age. Travertine, assaying as much as 1% zinc, is being deposited in the vicinity of the zinc anomaly.

Rare outcrops of black shale and argillite with minor lenses, veins and nodules of pyrite occur at Hess River. Rubble on the claims consist of black shale, grey shale, and black chert. No outcrop other than secondary travertine occurs on the anomalous ground. The only sulphide observed was tetrahedrite in a small quartz-calcite vein, within a thin black limestone band to the southeast of the river.

Current Work and Results:

Lack of success in geology, geophysics and geochemistry leaves unsolved the problem of strong geochemical anomalies in soil, silt and water. The zinc has probably undergone groundwater transportation, concentration in the surface environment by scavenging (perhaps by manganese hydroxides), and co-precipitation in travertine. No work is recorded for the 1971 season for which sulphate analysis of water samples and a gravity survey were recommended.

November 8th, 1974,

Dr. D. B. Craig,
Regional Geologist,
Dept. of Indian & Northern Affairs,
Room 211 Federal Building,
Whitehorse, Y.T. Y1A 3V1

Dear Dr. Craig:

Enclosed are summaries of Dynasty Explorations Limited's activities on its Yukon Territory mineral claims during the 1974 field season.

Please contact me if you require any further information. We are looking forward to receiving a copy of the 1974 Mineral Industry Report as soon as it is available.

Yours truly,

DYNASTY EXPLORATIONS LIMITED,

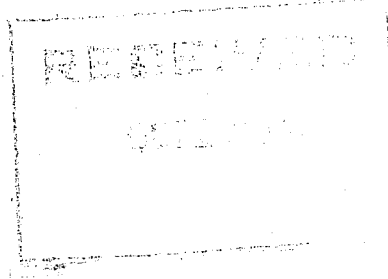
T. J. Adamson,

TJA/mp
Encl.



Indian and
Northern Affairs

Affaires indiennes
et du Nord



Rm. 211 Federal Bldg.,
Whitehorse, Y.T.
Y1A 3V1

October 15, 1974.

Dynasty Explorations Ltd.,
330 - 355 Burrard St.,
Vancouver, B.C.

Your file *Votre référence*


Our file *Notre référence*

Dear Sir:

We are currently compiling data concerning the 1974 exploration activity in the Yukon for inclusion in the 1974 Mineral Industry Report. To assist in this, we ask your support in providing routine data on your activities in the Territory during the past year. Such information will aid our compilation greatly.

Thank you.

Yours truly,


D.B. Craig,
Regional Geologist.

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1974

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1974? Yes No

Property Name: PLATA-INCA CLAIMS

Former Name (if old showing): Greg Group (1969)

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105-0-12 Lat. 63 ° 40 ' Long. 132 ° 02 '
105-N-9

Location Description and Mode(s) of Access Located in Bostock Range of the Hess Mountains between Rogue and Hess Rivers. Access by fixed-wing and helicopter

Claim Name(s) PLATA 1-232;241-258; 267-288; Total Claims 316
INCA 1-44

Owner(s) of Claims DYNASTY EXPLORATIONS LIMITED

Work Financed by: Dynasty Explorations Limited,

Address : 330-355 Burrard St., Vancouver, B.C.

Mineral(s) of Economic Interest: Galena-Tetrahedrite (minor sphalerite and gold)

Geological Description of Occurrence: Galena-tetrahedrite mineralization in fault zones within Devonian-Mississippian black chert and shale as well as within Cambrian and older quartzite and slate. Sulphide mineralization generally in manganiferous siderite gangue with minor barite.

(Write on back if more space desired)

WORK DONE IN 1974

Geological Mapping:

Claims Mapped

PLATA 241-280; 133-160; 195-230

INCA 1-44

Scale

1"= 200', 1"= 1000'

1"= 200', 1"= 1000'

Geochemistry:

Method

Soil Sampling

Claims Sampled

PLATA 30-32; 1-20; 105-192;

INCA 11-16; 27-44;

Geophysics:

Method

None

Claims Covered

Trenching and Stripping:

Area or Volume

30,000 cu. yds.

10,000 cu. yds.

Method

Cat trenching

Cat trenching

On which Claims?

INCA 13-16; 33-44;

PLATA 17-20; 8; 130-132;
175-179;

Drilling:

Type

None

Size

No. of holes

Total Footage

On which Claims?

Results of work done: Discovery of new vein zones which will
likely be tested by diamond drilling in the future.

Assessment Work Recorded in 1974:

Geological Report

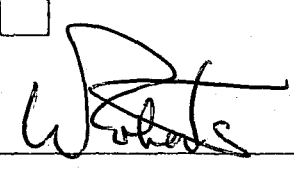
Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: November 6, 1974

Signature: 

Company: DYNASTY EXPLORATIONS LIMITED Position: Staff Geologist

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1974

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1974? Yes No

Property Name: Freegold (includes Gold Star Group, AG, AU, PEG, & ADD claims

Former Name (if old showing): Augusta-Margarete-Gold Star

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 115-I-6 Lat. 62°17' Long. 137°09'

Location Description and Mode(s) of Access Located on Mt. Freegold, property readily accessible by 4-wheel drive vehicles via the Carmacks Ormsby Mines Road.

Claim Name(s) Gold Star Grp. AU, AG, PEG, ADD Total Claims 145

Owner(s) of Claims Fred Guder, Prism Resources, Eldon Campebl

Work Financed by: Dynasty Explorations Limited

Address : 330-355 Burrard St., Vancouver, B.C.

Mineral(s) of Economic Interest: Gold Silver (Minor copper)

Geological Description of Occurrence: The Gold Star Group covers a Jurassic-Cretaceous hornblende syenite intrusion into a Yukon Group meta-volcanic suite. Later Tertiary quartz-feldspar porphyry dykes intrude both syenite and meta-volcanics. Gold mineralization has been discovered in siliceous zones at the contacts of porphyry and quartz-feldspar-chlorite gneiss as well as in magnetite-chlorite-epidite skarns within the Yukon Group.

(Write on back if more space desired)

WORK DONE IN 1974

Geological Mapping:

Claims Mapped

All claims

Scale

1" = 400'

Geochemistry:

Method

Soil sampling

Claims Sampled

90% of claims

Geophysics:

Method

Ground magnetometer survey

Claims Covered

90% of claims

Trenching and Stripping:

Area or Volume

37,800 cu. yds.

Method

Cat trenching

On which Claims?

Margaret, Augusta and
Gold Star

Drilling:

Type

BQ

Size

No. of
holes

8

Total
Footage

2142'

On which Claims?

Margarete, Augusta,
Gold Star

Results of work done: Margarete vein zone, outlined by trenches and drill
holes, contains low grade gold-silver mineralization generally less
than .3 oz/T Au and 1.0 oz/T Ag over 5 ft. Magnetite skarn contains very
low, uneconomic gold and silver values.

Assessment Work Recorded in 1974:

Geological Report

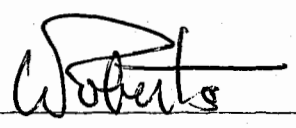
Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: November 6th, 1974

Signature: 

Company: Dynasty Explorations Limited

Position: Staff Geologist

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1974

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1974? Yes No

Property Name: KIWI CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 116-B-10,15 Lat. 64° 44' Long. 139° 46'

Location Description and Mode(s) of Access 4 miles west of
Blackstone River, access by helicopter

Claim Name(s) KIWI 1-80 Total Claims 80

Owner(s) of Claims DYNASTY EXPLORATIONS LIMITED

Work Financed by: Dynasty Explorations Limited,

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Zn, Pb,

Geological Description of Occurrence: Vein and breccia zones
in Proterozoic dolomite, mineralized with sphalerite and
galena.

(Write on back if more space desired)

WORK DONE IN 1974

Geological Mapping:

Claims Mapped

None

Scale

Geochemistry:

Method

Soil sampling on contour lines

Claims Sampled

KIWI 1-80

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: Results inconclusive, more sampling and
detailed mapping will be required to evaluate claims.

Assessment Work Recorded in 1974:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: October 29, 1974

Signature: P. Dean

Company: DYNASTY EXPLORATIONS LIMITED Position: Geologist

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1974

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1974? Yes No

Property Name: OZ CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 116-B-12,13, Lat. 64° 45' Long. 139° 45'

Location Description and Mode(s) of Access 6 miles NE of Mt. Harper,
access by helicopter.

Claim Name(s) OZ 1-81 Total Claims 81

Owner(s) of Claims DYNASTY EXPLORATIONS LIMITED

Work Financed by: Dynasty Explorations Limited

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Zn, Pb,

Geological Description of Occurrence: Vein and breccia zones in
Proterozoic dolomites and shales, mineralized with sphalerite
and galena.

(Write on back if more space desired)

WORK DONE IN 1974

Geological Mapping:

Claims Mapped

All central claims in group

Scale

1" = 400 ft. and 1" = 1320 ft.

Geochemistry:

Method

Soil sampling on grid lines

and contour lines

Claims Sampled

All central claims

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: Results generally favourable but much
more work is required to evaluate claim group.

Assessment Work Recorded in 1974:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: October 29, 1974

Signature: P. Dean

Company: DYNASTY EXPLORATIONS LIMITED Position: Geologist

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1974

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1974? Yes No

Property Name: BILBO CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 116-G-7 Lat. 65 ° 17 ' Long. 138° 40 '

Location Description and Mode(s) of Access 3 miles SW of Ogilvie River,
Access by helicopter

Claim Name(s) BILBO 1-47 Total Claims 47

Owner(s) of Claims DYNASTY EXPLORATIONS LIMITED

Work Financed by: DYNASTY EXPLORATIONS LIMITED

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Pb, Ba

Geological Description of Occurrence: Brecciated zone in nose of
fold in Ordovician dolomite, mineralized with barite mainly, but
with minor traces of galena.

WORK DONE IN 1974

Geological Mapping:

Claims Mapped

BILBL 1-47

Scale

1" = 1320 ft.

Geochemistry:

Method

Contour soil lines

Claims Sampled

BILBO 1-47

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: Geochemical survey failed to discover any
significant anomalies

Assessment Work Recorded in 1974:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: October 29, 1974

Signature: P Dean

Company: DYNASTY EXPLORATIONS LIMITED Position: Geologist

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1974

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1974? Yes No

Property Name: EG CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 106-C-14 Lat. 64° 51' Long. 133° 08'

Location Description and Mode(s) of Access 14 miles NNE of Pinguicula Lake, access by helicopter.

Claim Name(s) EG 30-37; EG 40-47 Total Claims 16

Owner(s) of Claims DYNASTY EXPLORATIONS LIMITED

Work Financed by: Dynasty Explorations Limited,

Address : 330-355 Burrard Street, Vancouver, B.C.

Mineral(s) of Economic Interest: Zn, minor Pb,

Geological Description of Occurrence: Pyrite cemented in breccia in Proterozoic dolomite, sparsely mineralized with sphalerite.

(Write on back if more space desired)

WORK DONE IN 1974

Geological Mapping:

Claims Mapped

All 16 claims

Scale

1" = 1320 ft.

Geochemistry:

Method

Soil sampling on contour lines
and rock chip sampling

Claims Sampled

All claims

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: The main showing appears to be too low grade
to be of interest but new geochemical anomalies discovered on
the claims warrant more work.

Assessment Work Recorded in 1974:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: October 29, 1974

Signature: P. Olan

Company: DYNASTY EXPLORATIONS LIMITED

Position: Geologist

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1974

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1974? Yes No

Property Name: MS CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105-J-16 Lat. 62°46' Long. 130°11'

Location Description and Mode(s) of Access The property is located on the south boundary of 105-J-16, about 5 miles south of Itsi Lake. The Canol Road, at its nearest point to the property, is 16 miles to the northwest.

Access during 1974 was by helicopter from the Canol Road.

Claim Name(s) MS 10-21; 30-41; 60-73; Total Claims 50

MS 90-101

Owner(s) of Claims DYNASTY EXPLORATIONS LIMITED

Work Financed by: Dynasty Explorations Ltd., Cima Resources Ltd., Precambrian Shield Resources Ltd., Numac Oil & Gas Ltd.

Address : c/o Dynasty Explorations Ltd., 330-355 Burrard St. Van.B.C

Mineral(s) of Economic Interest: _____

Geological Description of Occurrence: A small granitic stock is centred on the MS Group. The stock intrudes shale-chert units. Minor copper mineralization has been seen in the intrusive rocks. There are numerous gossans on the claim group. Skarn type copper-tungsten-zinc mineralization has been reported from an area of similar geology immediately south of the MS claims.

(Write on back if more space desired)

WORK DONE IN 1974

Geological Mapping:

Claims Mapped

MS 10; 11; 30-41

Scale

1" = 400'

Geochemistry:

Method

Soil sampling, minor silt sampling;
analyzed for Cu, Mo, W.
(total about 700 samples)

Claims Sampled

MS 10; 11; 30-41

Geophysics:

Method

Ground magnetic survey

(Sharpe MF-1 magnetometer)

Claims Covered

MS 10; 11; 30-41

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: Erratic high soil values (Cu, Mo, W) are scattered throughout the grid area but form no well-defined follow-up target. There is outcrop exposures in the area of many of the best geochem results. No mineralization of any economic interest whatsoever was seen on the property. No further work is warranted.

Assessment Work Recorded in 1974:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: _____

Signature: *J. Robinson*

Company: DYNASTY EXPLORATIONS LIMITED Position: Geologist

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1974

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1974? Yes No

Property Name: TAP CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105-I-5,12, Lat. 62° 30' Long. 129° 37'

Location Description and Mode(s) of Access The claim group is situated approximately 20 miles northwest of Summit Lake on the boundary of NTS sheets 105-I-5 and 105-I-12. Access to the property is by helicopter from Summit Lake or Cominco Lake, or from the airstrip at Howard's Pass.

Claim Name(s) TAP 21-76 Total Claims 102

TAP 100-113

TAP 200-231

Owner(s) of Claims DYNASTY EXPLORATIONS LIMITED

Work Financed by: Dynasty Explorations Ltd., Cima Resources Ltd., Precambrian Shield Resources, Numac Oil & Gas Ltd.,
Address : c/o Dynasty Explorations Ltd., 330-355 Burrard St. Van. B.C.

Mineral(s) of Economic Interest: Zinc

Geological Description of Occurrence: The Tap Group is underlain by Lower Paleozoic G.S.C. Unit 18, consisting in the Tap area of alternating beds of black chert, black shale and light grey chert granule to pebble conglomerate. Black chert characterized by minor fracture fillings of honey coloured barite is the most abundant rock type. Occurring within the chert are a number of beds of very baritic limestone. A strong vertical fault zone on Tap #26 and #39 is roughly perpendicular to bedding. Minor zinc mineralization is found in gossanous, brecciated, baritic limestone in the fault zone area.

WORK DONE IN 1974

Geological Mapping:

Claims Mapped

TAP 23-28; 30; 32; 37-43;

45; 53-56;

Scale

1" = 200'

Geochemistry:

Method

Soil sampling on grid lines

(Total 860 samples)

Claims Sampled

TAP 23-28; 30; 32; 37-43;

45; 53-56;

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: No targets were defined on which further work
is warranted.

Assessment Work Recorded in 1974:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: October 29, 1974

Signature: *[Handwritten Signature]*

Company: DYNASTY EXPLORATIONS LIMITED Position: Geologist

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1974

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1974? Yes No

Property Name: PAS CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105-I-6,11, Lat. 62° 29' Long. 129° 14'

Location Description and Mode(s) of Access The property is located 11 miles ENE of Summit Lake, adjacent to the Yukon-NWT border, at an elevation of about 5500'. Access to the property is by helicopter from Summit Lake or from the airstrip at Howard's Pass.

Claim Name(s) PAS 1-15; PAS 17-50 Total Claims 49

Owner(s) of Claims DYNASTY EXPLORATIONS LIMITED

Work Financed by: Dynasty Explorations Ltd., Cima Resources Ltd., Precambrian Shield Resources, Numac Oil & Gas Ltd.

Address : c/o Dynasty Explorations Ltd., 330-355 Burrard St. Vanc. B.C.

Mineral(s) of Economic Interest: Galena-sphalerite

Geological Description of Occurrence: The claim group is underlain by a folded sequence of Lower Paleozoic sediments. At the base of this sequence is "wavy-bedded" limestone (Unit 7b, G.S.C. Map 8-1967). The limestone grades upwards through thinly laminated transitional dolomitic rock into black graptolitic shales (Unit 10, G.S.C. Map 8-1967). The graptolitic shales are successively overlain by black-streaked argillite and black shales. Lead-zinc mineralization is found on the property in a siliceous light grey horizon within the graptolitic shale unit. This mineralization is very fine grained and occurs as thin sulphide beds and also remobilized into cleavage planes.

(Write on back if more space desired)

WORK DONE IN 1974

Geological Mapping:

Claims Mapped

PAS 1, 3-5; 25-31; 33; 36; 38;

48-50:

Scale

1" = 200'

Geochemistry:

Method

Soil sampling (approximately 900 samples)

Claims Sampled

PAS 1, 3-5; 7; 11, 13; 21;

23-30; 36; 38-48;

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Approximately 15,000
cu. yds.

Method

D-6 bulldozer

On which Claims?

PAS 30; 32; 42; 43; 44;

45; 49; 50;

Drilling:

Type

Diamond Core
Drilling

Size

NQ

No. of
holes

4

Total
Footage

1661'

On which Claims?

PAS 32; 42; 44;

Results of work done: During 1974 grid establishment, geological mapping,
prospecting and soil sampling were continued on the Pas claims. Bulldozer
trenching was carried out across the best geochemical and geological targets,
followed by diamond drilling. A zone of stratiform lead-zinc mineralization
was outlined on which further work must be done to evaluate fully.

Assessment Work Recorded in 1974:

Geological Report

Geochemical Report

Physical Work

Geophysical Report

Drilling

Date: October 29, 1974

Signature: J.P. Johnson

Company: DYNASTY EXPLORATIONS LIMITED

Position: Geologist

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1974

Data submitted will aid in compilation of the Annual Yukon Mineral Industry Report - confidential information is not solicited

Was exploration work done in 1974? Yes No

Property Name: GULL CLAIMS

Former Name (if old showing): _____

Mining District: Whitehorse Watson Lake Mayo Dawson

N.T.S. Map Sheet 105-I-11 Lat. 62° 34' Long. 129° 25'

Location Description and Mode(s) of Access The claim block is located approximately 108 miles ENE of Ross River, Y.T. Access to the property is by helicopter from one of the small lakes in the area (Summit Lake, Cominco Lake) or from the airstrip at Howard's Pass

Claim Name(s) GULL 1-16 Total Claims 53

GULL 18-54

Owner(s) of Claims DYNASTY EXPLORATIONS LIMITED

Work Financed by: Dynasty Explorations Ltd., Cima Resources Ltd., Precambrian Shield Resources, Numac Oil & Gas Ltd.

Address : c/o Dynasty Explorations Ltd., 330-355 Burrard St. Van. B.C.

Mineral(s) of Economic Interest: Galena-sphalerite

Geological Description of Occurrence: The claim group is underlain by a sequence of poorly exposed Lower Paleozoic sedimentary rocks.

At least part of the claim group is underlain by graphitic shales

the same age as those hosting lead-zinc mineralization in the

Howard's Pass area to the southeast.

(Write on back if more space desired)

WORK DONE IN 1974

Geological Mapping:

Claims Mapped

Scale

Geochemistry:

Method

Claims Sampled

Soil sampling (450 samples
(All sampling by Dynasty personnel,
analysis by Acme Analytical Laboratories)

GULL 9; 11; 12; 29; 30; 31;
32; 33; 34;

Geophysics:

Method

Claims Covered

Trenching and Stripping:

Area or Volume

Method

On which Claims?

Drilling:

Type

Size

No. of
holes

Total
Footage

On which Claims?

Results of work done: The 1974 geochemical sampling further defined a
large lead-zinc soil anomaly in an area of extensive overburden cover.

Bulldozer trenching and/or diamond drilling will be required to
evaluate this anomaly

Assessment Work Recorded in 1974:

Physical Work

Geological Report

Geophysical Report

Geochemical Report

Drilling

Date: October 29, 1974

Signature: *[Handwritten Signature]*

Company: DYNASTY EXPLORATIONS LIMITED Position: Geologist



Indian and
Northern Affairs

Affaires indiennes
et du Nord

Rm. 211 Federal Bldg.,
Whitehorse, Y.T.,
Y1A 3V1

Dynasty Explorations Limited,
330 - 355 Burrard Street,
Vancouver 1, B.C.

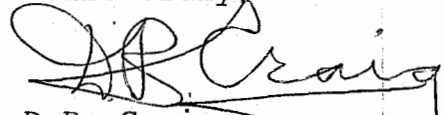
Your file Votre référence

Our file Notre référence

Dear Sir:

Enclosed is a brief report on your property prepared for inclusion in the D.I.A.N.D. Mineral Industry Report for Yukon Territory, 1973, which will probably be published this summer. I would appreciate it if you would check it for accuracy and indicate any corrections that may be required. Please feel free to add any pertinent material. One copy of the enclosed should be returned with any comments. Your prompt attention to this matter will be greatly appreciated.

Yours truly,


D.B. Craig,
Regional Geologist.

No further action required

Joua

FOTO
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, British Columbia.

Lead, Zinc
105 K 2, 7
(62°15'N, 132°44'W)

Reference: Tempelman-Kluit (1972).

Claims: FOTO 1-224

Location and Access:

The claims are situated in a single block approximately 20 miles northeast of Faro and 20 miles northwest of Ross River. The property is normally accessible via helicopter or float plane from Faro or Ross River. A cat-road has also been completed from Faro to the property.

History:

The claims were staked in the spring, 1972.

Description:

The property is covered to a large degree by overburden but is thought to be underlain by a sequence of Proterozoic and Paleozoic strata, comprised of muscovite quartz phyllite with some interbedded amphibolite (unit 3, Tempelman-Kluit, 1972). This is the same unit which hosts the stratiform lead-zinc deposits of the Anvil area.

Current Work and Results:

Since the property was acquired the company has carried out gravimetric, Turam electromagnetic and magnetic surveys which outlined a number of geophysical anomalies. In 1973, 5 holes totalling 2,072 feet were completed. No significant intersections of massive sulphides were reported.

(Summit Lake District)

GULL, DYN, DEA
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, B.C.

Lead, Zinc
105 I 11
(62°33'N, 129°24'W)

Reference: G.S.C. Map 8-1967.

Claims: GULL 1-54; DYN 1-24; DEA 1-34

Location and Access:

The claim groups form a contiguous block trending roughly northwest ^{situated} ~~located~~ approximately 108 miles east-northeast of Ross River and are directly adjacent to the DON and R groups of Canex Placer. Access to the property in 1973 was by float plane from either Ross River or Watson Lake to one of the small lakes (Cominco, Summit) in the area and then by helicopter.

History:

The claims were staked in the winter of 1972-73 following the ^{situated} discovery of [lead-zinc] ~~mineralization~~ by Canex Placer. The GULL and DYN groups were staked for Dynasty; the DEA claims have been optioned from Welcome North Mines Limited. No previous work is reported on the claims.

Description:

The claim group is underlain by a folded sequence of lower Paleozoic sedimentary rocks which is not well exposed on this property. Lowermost in this sequence is the "wavy banded" limestone, a thinly bedded buff-weathering, dolomitic limestone (unit 7b, G.S.C. Map 8-1967). This unit usually grades upward into a dolomitic, shaley "transition" zone which was not observed in outcrop or float on this property. Overlying the transition zone is a sequence of black shales, locally graphitic and calcareous which were observed in only a few outcrops (unit 10 (?), G.S.C. Map 8-1967). This unit is thought to be stratigraphically similar to the shales which contain the lead-zinc mineralization ^{ed} ~~mineralization~~ zones on the Canex Placer property although no ~~mineralization~~ ^{Sulphides were} ~~was~~ observed on these claims. Overlying these shales are limy argillites and black shales (unit 18b, G.S.C. Map 8, 1967).

The beds are folded into two anticlines trending roughly northwest following the regional trend. The beds are also cut by a fault trending northeast across the fold axes.

Current Work and Results:

Field work in 1973 consisted of reconnaissance geological mapping and geochemical surveys. In one area of anomalous ⁱⁿ lead and zinc ~~values~~ on the GULL group, this was followed ~~up~~ by detailed soil sampling. Additional soil sampling and bulldozer trenching ^{were} ~~are~~ recommended for the anomalies outlined from the detailed work.

(Summit Lake District)

GULL, DYN, DEA
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, B.C.

Lead, Zinc
105 I 11
(62°33'N, 129°24'W)

Reference: G.S.C. Map 8-1967.

Claims: GULL 1-54; DYN 1-24; DEA 1-34

Location and Access:

The claim groups form a contiguous block trending roughly northwest ^{situated} ~~located~~ approximately 108 miles east-northeast of Ross River and are directly adjacent to the DON and R groups of Canex Placer. Access to the property in 1973 was by float plane from either Ross River or Watson Lake to one of the small lakes (Cominco, Summit) in the area and then by helicopter.

History:

The claims were staked in the winter of 1972-73 following the discovery of ~~lead-zinc mineralization~~ ^{lead-zinc} by Canex Placer. The GULL and DYN groups were staked for Dynasty; the DEA claims have been optioned from Welcome North Mines Limited. No previous work is reported on the claims.

Description:

The claim group is underlain by a folded sequence of lower Paleozoic sedimentary rocks which is not well exposed on this property. Lowermost in this sequence is the "wavy banded" limestone, a thinly bedded buff-weathering, dolomitic limestone (unit 7b, G.S.C. Map 8-1967). This unit usually grades upward into a dolomitic, shaley "transition" zone which was not observed in outcrop or float on this property. Overlying the transition zone is a sequence of black shales, locally graphitic and calcareous which were observed in only a few outcrops (unit 10 (?), G.S.C. Map 8-1967). This unit is thought to be stratigraphically similar to the shales which contain the lead-zinc mineralization ^{ed} ~~mineralization~~ ^{zones} on the Canex Placer property although no ~~mineralization~~ ^{sulphides were} was observed on these claims. Overlying these shales are limy argillites and black shales (unit 18b, G.S.C. Map 8, 1967).

The beds are folded into two anticlines trending roughly northwest following the regional trend. The beds are also cut by a fault trending northeast across the fold axes.

Current Work and Results:

Field work in 1973 consisted of reconnaissance geological mapping and geochemical surveys. In one area of anomalous ⁱⁿ lead and zinc ~~values~~ on the GULL group, this was followed ~~up~~ by detailed soil sampling. Additional soil sampling and bulldozer trenching ^{were} ~~are~~ recommended for the anomalies outlined from the detailed work.

PREVO
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, British Columbia.

Lead, Zinc
105 I 12
(62°37'N, 129°40'W)

Reference: G.S.C. Map 8-1967.

Claims: PREVO 1-42

Location and Access:

The claims are located approximately 20 miles north-northwest of Summit Lake, 105 miles east-northeast of Ross River. Access is by float plane from Watson Lake or Ross River to either Summit Lake or a small lake to the northwest locally referred to as Cominco Lake and then by helicopter to the property itself.

History:

The claims were staked in the fall of 1972 following the lead-zinc discovery by Canex Placer. No previous work on the claims is recorded.

Description:

The claims are underlain by a sequence of lower Paleozoic sediments. A wavy banded limestone is lowermost in the sequence and consists of a thinly bedded, grey to brown weathering dolomitic rock with limestone pebbles and bands (unit 7b, G.S.C. Map 8-1967). The carbonates are overlain by grey weathering black shales which are in turn overlain by buff-weathering, pyrite-rich, limy argillites (unit 18b, G.S.C. Map 8-1967). Chert-pebble conglomerates, chert greywacke and black shales are uppermost in the sequence. No sulphide occurrences were found.

The strata are folded on west-northwest trending axes, following the regional trend the southern part of the claim group is underlain by an anticline, the northern part is underlain by a synclinal structure.

Current Work and Results:

Field work in 1973 consisted of reconnaissance geochemistry and geological mapping. Two areas of anomalous ^{located} ~~in~~ zinc, lead and copper values were ~~obtained~~ from soil and silt samples and were subjected to detailed soil sampling. Anomalous zones were outlined by the detailed sampling but no strong targets were defined and no further work was recommended.

PREVO
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, British Columbia.

Lead, Zinc
105 I 12
(62°37'N, 129°40'W)

Reference: G.S.C. Map 8-1967.

Claims: PREVO 1-42

Location and Access:

The claims are located approximately 20 miles north-northwest of Summit Lake, 105 miles east-northeast of Ross River. Access is by float plane from Watson Lake or Ross River to either Summit Lake or a small lake to the northwest locally referred to as Cominco Lake and then by helicopter to the property itself.

History:

The claims were staked in the fall of 1972 following the lead-zinc discovery by Canex Placer. No previous work on the claims is recorded.

Description:

The claims are underlain by a sequence of lower Paleozoic sediments. A wavy banded limestone is lowermost in the sequence and consists of a thinly bedded, grey to brown weathering dolomitic rock with limestone pebbles and bands (unit 7b, G.S.C. Map 8-1967). The carbonates are overlain by grey weathering black shales which are in turn overlain by buff-weathering, pyrite-rich, limy argillites (unit 18b, G.S.C. Map 8-1967). Chert-pebble conglomerates, chert greywacke and black shales are uppermost in the sequence. No sulphide occurrences were found.

The strata are folded on west-northwest trending axes, following the regional trend the southern part of the claim group is underlain by an anticline, the northern part is underlain by a synclinal structure.

Current Work and Results:

Field work in 1973 consisted of reconnaissance geochemistry and geological mapping. Two areas of anomalous zinc, lead and copper ^{located} ~~values~~ were ~~obtained~~ from soil and silt samples and were subjected to detailed soil sampling. Anomalous zones were outlined by the detailed sampling but no strong targets were defined and no further work was recommended.

(Summit Lake Area)

TAM
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, British Columbia.

Lead, Zinc
105 I 12
(62°34'N, 129°45'W)

Reference: G.S.C. Map 8-1967.

Claims: TAM 1-48

Location and Access:

The claims are ~~located~~ ^{situated} 19 miles northwest of Summit Lake, approximately 96 miles east-northeast of Ross River. Access to the property in 1973 was by helicopter from either Summit Lake or Cominco Lake, the only lakes in the area which can be serviced by float planes from Watson Lake or Ross River.

History:

The claims were staked in the fall of 1972 by Welcome North Mines Limited, following the discovery of lead-zinc ^{discovery} ~~mineralization~~ by Canex Placer. The claims were subsequently optioned to Dynasty. No previous work is recorded for these claims.

Description:

The property is underlain by lower Paleozoic sediments consisting of argillite overlain by chert and shales, chert-pebble conglomerate and siltstone (unit 18b, G.S.C. Map 8-1967). no mineralization was observed.

The main structure is a synclinal fold along an east-west trending axis. Within the synclinal structure shale and chert units are ~~very~~ complexly folded. The structure is apparently cut by two northeast trending faults.

Current Work and Results:

In 1973, reconnaissance geochemistry and ^gologic mapping were conducted. ~~Anomalous~~ ^{cal sampling} Lead, zinc and copper ~~values~~ ^{anomalies} were erratically distributed and consisted mainly of spot highs. Follow-up rock geochemistry was undertaken in several areas, but none of the areas examined in detail appeared to merit any further work. A small amount of further work was recommended, mainly to fulfill assessment requirements.

MS
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, British Columbia.

Tungsten, Copper, Zinc,
Molybdenum
105 J 16
(62°46'N, 130°11' W)

Reference: G.S.C. Map 12-1961.

Claims: MS 10-21, 30-41, 60-73, 90-101

Location and Access:

The MS claims lie roughly 5 miles south of Itsi Lakes, and 12 miles northwest of Cominco Lake. Access is by fixed wing from Ross River, 92 miles southwest, to either Itsi Lakes or Cominco Lake and then via helicopter.

History:

The claims were staked in July, 1973, following the discovery of minor copper showings. The work on the claims was undertaken by Dynasty Explorations Limited under an agreement between Dynasty, Atlas Explorations Limited, Shield Resources Limited and Numac Oil and Gas Limited.

Description:

Outcrops on the property consist of clastic sedimentary rocks of Lower Ordovician to Middle Silurian age (unit 3, G.S.C. Map 12-1961). The sequence is comprised of interbedded chert and shale with minor limestone, quartzite and conglomerate which are folded about northwest-trending axes. To the north, on the adjoining FOX claims, these rocks are intruded by coarse-grained, porphyritic quartz monzonites and granodiorites of Cretaceous age (unit 11, G.S.C. Map 12-1961). No outcrops of intrusive were noted on the MS claims but there are several gossans, possibly related to ~~the development~~ of skarn-type mineralization.

Current Work and Results:

Field work in 1973 consisted of reconnaissance soil and silt sampling over the claims. Two ^{anomalies} ~~areas~~ were outlined by the geochemistry and recommended for further work including detailed soil sampling, and geological mapping and a ground magnetometer survey.

GORB
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, British Columbia.

Copper
115 I 11
(62°33'N, 137°10'W)

Reference: Bostock (1936).

Claims: GORB 1-72

Location and Access:

The claims were staked in a single block straddling Dark Creek, about 10 miles west of the Minto airstrip from which they can be reached by helicopter.

History:

The property was staked in August, 1973, roughly 5 miles south of the copper discovery of United Keno Hill Mines and ASARCO-Silver Standard. No previous work on the property has been reported.

Description:

The property is underlain by Carmacks volcanics (unit 12, Bostock, 1936) comprising basalts to trachyte flows, breccias and tuffs. These rocks form a thin capping over the Jurassic granite and granodiorite (unit 10, Bostock, 1936) which host the copper mineralization to the north.

Current Work and Results:

Geological mapping and soil sampling was carried out on the property in 1973. No significant soil anomalies were reported but one diamond drill hole was proposed to determine if the claims are underlain within a reasonable depth by foliated granodiorite which hosts the copper ^{occurrences} ~~mineralization~~ in the area.

TAP
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver, British Columbia.

Zinc
105 I 5, 12
(62°30'N, 129°37'W)

Reference: G.S.C. Map 8-1967.

Claims: TAP 21-76, 100-113, 200-231

Location and Access:

The claim group is ^{situated} ~~located~~ roughly 20 miles northwest of Summit Lake from which it can be reached by helicopter. Access by helicopter is also possible from Cominco Lake, 17 miles further to the northwest.

History:

The claims were staked by Dynasty in July and August, 1973, ^{on a zinc anomaly} following a regional reconnaissance program, ~~which encountered an anomalous zinc value in the area.~~

Description:

Although outcrop is generally scarce, the area appears to be underlain primarily by black clastics, consisting of shale, chert sandstone and chert-pebble conglomerate (unit 18b, G.S.C. Map 8-1967). Minor dolomitic and baritic beds have been noted locally. Strike of the beds trends north-northwesterly.

Current Work and Results:

In July, 1973, regional and detailed geochemical samples were collected from the TAP claims. A number of areas with ^{anomalies} anomalous zinc values were outlined, including two which are considered ^{attractive} ~~strong~~ targets. Further work recommended for the anomalous areas included detailed geochemistry and reconnaissance magnetometer and electromagnetic surveys.

ROTO, LORNA, GRAN, JEAN, ARO
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver, British Columbia.

Lead, Zinc
105 K 5
(62°25'N, 133°45'W)

Reference: Tempelman-Kluit (1972).

Claims: ROTO 1-53, LORNA 1-60, GRAN 1-24, JEAN 1-28, ARO 1-40,
49-50

Location and Access:

The property is ~~located~~ ^{situated} 7 miles northwest of Rose Mountain along Anvil Creek and can be reached by helicopter from the town of Faro, 18 miles to the southeast.

History:

The claims were staked late in the summer, 1970, following airborne magnetic and electromagnetic surveys which outlined several ~~areas of interest~~ ^{anomalies}. Preliminary regional geological mapping and reconnaissance were subsequently carried out in 1970, along with silt and soil sampling and ground electromagnetic, magnetic and gravity surveys. A single 576-foot hole on the LORNA group was also drilled to test a geophysical anomaly. In 1971, detailed geological mapping was carried out on the property.

Description:

The area is underlain by a succession of Proterozoic and Paleozoic strata dominated by quartz mica schist and phyllite (Tempelman-Kluit, 1972). These strata form the southwest limb of the Anvil Arch, a northwest-trending antiform with the elongate Anvil Batholith in the core. The area has a complex structural history having undergone at least 5 deformations during regional metamorphism. Major faults trend northwest, parallel to the Tintina Trench system to the southwest.

Massive sulphides, mainly galena and sphalerite, with varying amounts of pyrite and pyrrhotite occur at a particular stratigraphic horizon in the phyllite and were apparently emplaced pre-metamorphism according to deformation-fabrics in the sulphides.

The ROTO-GRAN-LORNA-JEAN-ARO claims are underlain by favourable phyllite (unit 3, Tempelman-Kluit, 1972) although glacial overburden up to 200 feet thick has tended to obscure

geologic interpretation and correlation.

Current Work and Results:

Field work in 1973 consisted of a ground magnetometer survey and a Turam electromagnetic survey. The Turam survey outlined large areas of moderate to strong electromagnetic distortions but these were considered to be related to overburden/ weathering or banded carbonaceous and graphitic horizons. No further work was proposed and some of the claims were allowed to lapse.

ROTO, LORNA, GRAN, JEAN, ARO
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver, British Columbia.

Lead, Zinc
105 K 5
(62°25'N, 133°45'W)

Reference: Tempelman-Kluit (1972).

Claims: ROTO 1-53, LORNA 1-60, GRAN 1-24, JEAN 1-28, ARO 1-40,
49-50

Location and Access:

The property is ~~located~~^{situated} 7 miles northwest of Rose Mountain along Anvil Creek and can be reached by helicopter from the town of Faro, 18 miles to the southeast.

History:

The claims were staked late in the summer, 1970, following airborne magnetic and electromagnetic surveys which outlined several ~~areas of interest~~^{anomalies}. Preliminary regional geological mapping and reconnaissance were subsequently carried out in 1970, along with silt and soil sampling and ground electromagnetic, magnetic and gravity surveys. A single 576-foot hole on the LORNA group was also drilled to test a geophysical anomaly. In 1971, detailed geological mapping was carried out on the property.

Description:

The area is underlain by a succession of Proterozoic and Paleozoic strata dominated by quartz mica schist and phyllite (Tempelman-Kluit, 1972). These strata form the southwest limb of the Anvil Arch, a northwest-trending antiform with the elongate Anvil Batholith in the core. The area has a complex structural history having undergone at least 5 deformations during regional metamorphism. Major faults trend northwest, parallel to the Tintina Trench system to the southwest.

Massive sulphides, mainly galena and sphalerite, with varying amounts of pyrite and pyrrhotite occur at a particular stratigraphic horizon in the phyllite and were apparently emplaced pre-metamorphism according to deformation-fabrics in the sulphides.

The ROTO-GRAN-LORNA-JEAN-ARO claims are underlain by favourable phyllite (unit 3, Tempelman-Kluit, 1972) although glacial overburden up to 200 feet thick has tended to obscure

geologic interpretation and correlation.

Current Work and Results:

Field work in 1973 consisted of a ground magnetometer survey and a Turam electromagnetic survey. The Turam survey outlined large areas of moderate to strong electromagnetic distortions but these were considered to be related to overburden/ weathering or banded carbonaceous and graphitic horizons. No further work was proposed and some of the claims were allowed to lapse.

HOHO, BRAM
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, British Columbia.

Lead, Zinc
105 K 3
(62°18'N, 133°00'W)

Reference: Tempelman-Kluit (1972).

Claims: HOHO 1-8, 18-33, 36-43, BRAM 9-16

Location and Access:

The HOHO and BRAM claim groups lie along Blind Creek at a point 7 miles upstream from the Pelly River and 10 miles northeast of Faro. A 4 1/2 mile "cat road" suitable for tracked vehicles runs through the property along the northwest side of Blind Creek from the Vangorda Road. In 1973 access was normally by helicopter from Faro.

History:

The property was originally staked as part of the DY group in 1964, at which time airborne surveys outlined a number of magnetic and electromagnetic anomalies within the area. These claims lapsed and were restaked as part of the LUK group in 1966. The LUK claims also lapsed and were restaked in 1971 by Dynasty as the HOHO-BRAM claims. In 1971 several showings consisting of sphalerite-galena ^{occurrences} mineralization in quartz veins and pyrrhotite-chalcopyrite ^{occurrences} mineralization in greenstone lenses were discovered in the course of detailed geologic mapping. Soil sampling and ground geophysical surveys were also carried out in 1971.

Description:

The area is underlain by a sequence of Proterozoic and Paleozoic strata, mainly sericite-biotite schist and quartz phyllite (unit 3, Tempelman-Kluit, 1972). To the northwest, the Anvil Batholith consists of muscovite alaskite bordered by biotite granodiorite.

On the property itself exposures are very poor except along Blind Creek where the sequence consists of quartz-rich, sericite-chlorite and limey phyllites. Greenstone lenses up to tens of feet thick and varying from amphibolite to chlorite schist are present in the upper part of the section. Sphalerite ^{and} galena

are present
mineralization in quartz veins and pyrrhotite *and* chalcopyrite *showings*
occur
mineralization in the greenstone lenses. ~~has been~~ noted.

Current Work and Results:

Turam electromagnetic and ground magnetic surveys conducted in 1973 outlined a number of coincident anomalies. It was recommended that gravity surveys be carried out in these areas. ~~of interest.~~

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PLATA
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, British Columbia.

Silver, Lead, Zinc
105 N 9
(63°40'N, 132°02'W)

References: Blusson and Tempelman-Kluit (1970, pp. 29-32).

Claims: PLATA 1-232, 241-288, INCA 1-32

Location and Access:

The claims form contiguous blocks ^{situated} ~~located~~ in the Bostock Range of the Hess Mountains ~~a point~~ roughly halfway between the Rogue and Hess rivers. Access in 1973 was by fixed wing from Ross River, 108 miles to the south. Narrow Lake, 7 miles south of the property, was used by float planes and a 2,200 foot airstrip 6 miles south of the property served wheeled aircraft. The property itself was then reached by helicopter.

History:

The claims were staked in August and September, 1972, to cover a high-grade silver-lead-zinc showing. The showing had been previously staked in 1969 as the GREG claims, but these had ~~apparently been allowed to lapse~~.

Description:

The area is underlain by argillaceous sediments ranging from Precambrian to Mississippian in age. The oldest sediments are Proterozoic red, green and grey slates with some interbedded quartzite and rare limestone and dolomite (unit 7, Blusson and Tempelman-Kluit, 1970). These appear to be unconformably overlain by Devonian-Mississippian black clastics comprising argillite, chert, chert-pebble conglomerate and minor limestone (unit 12, Blusson and Tempelman-Kluit, 1970). The sediments are cut by several small granitic stocks of probable Cretaceous or early Tertiary age (unit 14, Blusson and Tempelman-Kluit, 1970) and there are several localities of dikes or sills of quartz muscovite porphyry and aplite on the property itself.

The sediments strike ~~east~~ west to west-northwest and are generally isoclinally folded and displaced by bedding plane faults. They are also cut by two sets of faults, one trending northeast and the other trending roughly northwest. The northeast trending faults contain breccia zones with quartz, carbonate and pyrite and creeks in the area have some rusty seepages associated with them. A northwest-trending fault zone referred to as the Plata fault zone occurs on the western portion of the property. The zone dips 65° SW and appears to be a bedding plane fault with right lateral displacement between Proterozoic slates and younger black argillite and slate. A number of mineral showings are associated with this zone.

Mineralization^{Showings} on the Plata property consists of various types of veins~~mineralization~~ and includes galena-sphalerite-tetrahedrite veins, quartz-tetrahedrite veins, galena veins, siderite-sphalerite-galena replacements and arsenopyrite-pyrite-galena-boulangierite-tetrahedrite veins. High silver values are associated with galena and tetrahedrite~~mineralization~~. The major showings on the Plata property occur mainly on the north flank of an anticlinal structure cut by at least four different sets of faults or fractures and it is uncertain as yet which of these structures controls mineralization.

To date, six major showings have been discovered, including the main, or No. 4 showing. On this showing, ^{the} vein~~mineralization~~ has been traced for over 700 feet along strike with widths varying from 5 to 18 feet. The No. 4 vein strikes roughly N 80° E, dips 45° S and appears to be in a bedding plane fault between black slate and phyllite on the footwall and rusty limy quartzite on the hanging wall. ^{vein material} Mineralization consists of quartz, arsenopyrite, pyrite, galena, tetrahedrite, boulangierite and sphalerite in varying amounts.

Current Work and Results:

The property was initially examined late in 1972 by a program of hand trenching and pitting, geophysical and geochemical surveys and diamond drilling.

A total of 13 hand pits or trenches were dug or blasted, including 5 on the main showing. Mineralized float was encountered in overburden in a number of locations where actual bedrock was not reached.

The geophysical survey consisted of a test ground E.M. survey over the main showing. The vein was found to give a definite dip angle response at high frequency (1830 HZ) and a marked increase in field strength. There was no distinguishable response at low frequency (390 HZ).

Soil sampling was conducted on a grid over the main showing and samples analyzed for copper, lead and zinc. A major ~~zone of anomalous~~ lead ^{anomaly} values was found to correspond closely with the main showing vein system. There was little zinc response except for two downslope anomalies near the east and west extremities of the known vein system. A second ^{area of} lead and zinc ^{less} anomalous area occurs on the western portion of the claims. ^{Some galena is known to} Known mineralization accounts for part of the lead anomaly, but the remainder is unexplained.

Diamond drilling was undertaken to outline structure and grade on the No. 4 vein and six holes totalling 1,315 feet were drilled. Core recovery varied from 20 to 100 per cent, and was generally poorest in fault gouge in the hanging wall of the vein. In such instances sludge samples were taken where permitted by circulation. The drilling confirmed continuation of the vein system from the surface for at least 750 feet down dip, although the dip appears to flatten slightly to 35 to 40° S compared to 45° S at the surface. The width of the vein including fault gouge varied from 3 feet up to 20 feet. In hole No. 4 the vein was 6 feet wide and ran 10 ounces per ton silver, 3.4-8.0 per cent lead and 10.8-15.3 per cent zinc. The other holes contained lower ^{grades} values and the ^{assays} values were generally lower than ^{a for} surface values samples. Also, the silver-lead ratios obtained in the core were on the order of 2 to 1, compared to 5 to 1 from surface samples.

Further work in 1973 included more soil sampling in addition to 34,500 feet of bulldozer trenching. Some 16 miles of road plus a 2,200 foot airstrip were also put in. Emphasis in 1974 is to be on bulldozer trenching and detailed structural geological mapping.

PLATA
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, British Columbia.

Silver, Lead, Zinc
105 N 9
(63°40'N, 132°02'W)
(20)

References: Blusson and Tempelman-Kluit (1970, pp. 29-32).

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Location and Access:

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JOY, AJAX
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, British Columbia.

Tungsten
105 J 9
(62°41'N, 130°06'W)

Reference: G.S.C. Map 12-1961.

Claims: JOY 1-48, AJAX 1-14

Location and Access:

The claims are ~~located~~ ^{situated} in two adjacent blocks 90 miles northeast of Ross River and about 32 miles east of Sheldon Lake. Access in 1973 was by helicopter from Cominco Lake, 17 miles to the east.

History:

The area was originally staked as the SEAN group in 1969 by Newmont Mining Corporation who conducted only preliminary surveys before allowing the claims to lapse. Claims JOY 1-16 were staked in July, 1972 by J. Carson and the JOY 17-48 and AJAX 1-14 were recorded July, 1973. Dynasty subsequently optioned the claims and explored the claims under an agreement between Dynasty, Atlas Explorations Limited, Shield Resources Limited and Numac Oil and Gas Limited.

Description:

The property is underlain by clastic sedimentary rocks of Lower Ordovician to Middle Silurian age (unit 3, G.S.C. Map 12-1961). The sequence is poorly exposed and appears to consist mainly of shale with dolomitic beds and phyllite. The shales are locally phosphatic, variscite having been tentatively identified in a number of locations. The sediments are folded about northwest-southeast trending axes.

The sediments are intruded by a porphyritic quartz monzonite stock of Cretaceous age (unit 11, G.S.C. Map 12-1961). This stock is about 1/4 mile in diameter but appears to underlie much of the sediments at shallow depths according to aeromagnetic data (Map 4402 G). The intrusive is marked by vertical jointing at approximately 010°, the faces of which were frequently greisenized. Fracture spaces in the altered granite were ~~often~~ commonly filled with white quartz and accompanying scheelite.

The contact zone surrounding the intrusive consisted of slightly rusty, hornfelsed shales and minor skarnified limestone. Pyrrhotite and traces of chalcopyrite, pyrite and fluorite occurred locally in the hornfelsed shales and traces of scheelite were associated with diopsidic skarn.

Current Work and Results:

Reconnaissance geochemical sampling and geological mapping along with some detailed prospecting were carried out in August, 1973. Follow-up work, conducted later in August and September, consisted of detailed soil sampling and geological mapping.

Geochemical anomalies in general tended to be spot highs associated with erratic ^{scheelite distribution.} mineralization. Two high grade samples of greisen from the altered intrusive ran 0.26 per cent W_3 and 1.60 per cent W_3 respectively. However, a sample over 30 feet representing a zone of closely spaced joints ran 0.06 per cent W_3 . The results were not considered attractive enough for further work and it was recommended to return the claims to J. Carson.

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PAS
Dynasty Explorations Limited
330 - 355 Burrard Street
Vancouver 1, British Columbia.

Lead, Zinc
105 I 6, 11
(62°29'N, 129°14'W)

Reference: G.S.C. Map 8-1967.

Claims: PAS 1-50

Location and Access:

The claims lie roughly 110 miles east-northeast of Ross River along the Yukon-Northwest Territories border. Access in the 1973 field season was via helicopter from Cominco or Summit Lake.

History:

Claims PAS 1-32 were staked in October, 1973 following the announced lead-zinc discovery by Canex Placer. The additional fractional claims were staked in August, 1973. No previous work on the property is reported.

Description:

The claim group is underlain by a folded sequence of lower Paleozoic sediments. At the base of this sequence is the wavy banded limestone, thinly bedded, buff-weathering and dolomitic (unit 7b, G.S.C. Map 8-1967). The wavy banded grades upward through a thinly-bedded, buff and black weathering, dolomitic transition zone into black graptolitic shales, locally graphitic and calcareous (unit 10 (?) G.S.C. Map 8-1967). The shales are successively overlain by limy argillites and black shales (unit 18b, G.S.C. Map 8-1967).

Current Work and Results:

Field work in 1973 consisted of reconnaissance geological mapping and geochemical surveys. These were followed by detailed geochemical sampling and geological mapping in anomalous areas. A zone anomalous in lead, associated with a lesser zinc and copper anomaly was outlined and found to

correspond with a four to six inch lead- and zinc-rich horizon in the black shales above the transition zone. Assays from this horizon averaged 3.99% lead, 14.5% zinc and 0.12 oz per ton silver. Samples from the six inches above this horizon assayed 0.15 % lead and 1.24% zinc.

Recommendations for further work included additional geochemical sampling plus bulldozer or hand trenching on the ~~zone of anomalous values.~~ *anomalies.*

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Dynasty Explorations Limited
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SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1973

DATA SUBMITTED WILL AID IN COMPILATION OF THE ANNUAL YUKON MINERAL INDUSTRY REPORT.

CONFIDENTIAL INFORMATION IS NOT SOLICITED.

PLEASE COMPLETE & RETURN BEFORE 31 JAN. 1974.

A SMALL SKETCH MAP WOULD BE HELPFUL

EXPLORATION WORK DONE IN 1973 YES NO

PROPERTY NAME PLATA GROUP

FORMER NAME(S) (if old showing) Greg Group (1969)

MINING DISTRICT: WHITEHORSE WATSON LAKE MAYO DAWSON

N.T.S. MAP SHEET 105-N-9 LAT. 63° 40' LONG. 132° 02'

LOCATION DESCRIPTION Located in the Bostock Range of the Hess Mountains, between the Rouge & Hess Rivers; 108 miles north of town of Ross River.

TOTAL CLAIMS 312

CLAIM NAMES Plata 1-232; 241-288
Inca 1-32

ACCESS is by float plane to Narrow Lake 7 miles south of the property or by wheeled aircraft to a 2200' airstrip 6 miles south of the property and thence by helicopter to the campsite

OWNER(S) OF CLAIMS Dynasty Explorations Limited

WORK FINANCED BY: NAME Dynasty Explorations Limited,
ADDRESS 330-355 Burrard St., Vancouver 1, B.C.

WAS WORK DONE UNDER PROPERTY OPTION OR OTHER AGREEMENT NEITHER

MINERALS) OF ECONOMIC INTEREST Galena-tetrahedrite-sphalerite-boulangerite

BRIEF GEOLOGICAL DESCRIPTION OF DEPOSIT Vein-type sulfide mineralization in a major thrust fault zone between Proterozoic slates and younger black argillite to slate, and in other related fault structures.

WORK DONE IN 1973

—GEOLOGICAL MAPPING

	COMPANY	GEOLOGIST	CLAIMS MAPPED	SCALE
SURFACE	<u>Dynasty Explorations</u>	<u>W.J. Roberts</u>	<u>All Plata & Inca claims</u>	<u>1":1000'</u>
UNDERGROUND			<u>Mapping (1":200' to 1"=10')</u>	<u>also detailed in showing areas</u>

—GEOCHEMISTRY

METHOD & BY WHOM	CLAIMS SAMPLED	NO. OF CLAIMS
<u>Linecutting, 21.3 mi. (Martinson Linecutting)</u>	<u>PLATA 1-8; 109-112; 145-148; 169-177</u>	<u>25</u>
<u>Soil sampling; 1000 sampler (Dynasty Personnel) (As above)</u>	<u>Plus Inca 7-11</u>	<u>30</u>

(analysis by Acem Analytical Laboratories Ltd.)

— GEOPHYSICS

METHOD & BY WHOM

CLAIMS COVERED

LINE MILES

— TRENCHING Total of 69 trenches

<u>LENGTH</u>	<u>VOLUME</u>	<u>ON WHICH CLAIMS ?</u>	<u>METHOD</u>
34,500' (approx.)	153,000 cu. yds. Approx.	Plata 1-16; 105, 107, 109, 111, 112, 146, 170	Bulldozer (Komatso 65-A)

— STRIPPING

<u>AREA</u>	<u>VOLUME</u>	<u>ON WHICH CLAIMS ?</u>	<u>METHOD</u>

— ROAD BUILDING

MILES

WHERE ?

- Airstrip	Total 16 miles 2200'	6 mi. access road between airstrip & property; 10 mi. access road between trench locations; 6 mi. south of camp, immediately north of Fido Creek.
— UNDERGROUND WORK	FT ADVANCE	ON WHICH CLAIMS ?

— DRILLING

<u>TYPE</u>	<u>SIZE</u>	<u>NO OF HOLES</u>	<u>TOTAL FTG.</u>	<u>ON WHICH CLAIMS</u>
SURFACE				
UNDERGROUND				

ASSESSMENT RECORDED IN 1973

PHYSICAL WORK	<input checked="" type="checkbox"/>
GEOLOGICAL REPORT	<input checked="" type="checkbox"/>
GEOPHYSICAL	<input checked="" type="checkbox"/>
GEOCHEMICAL	<input checked="" type="checkbox"/>

REMARKS

Further exploration work is planned for the 1974 field season, with emphasis again on bulldozer trenching and detailed structural geological mapping.

DATE Jan. 7, 1974

SIGNATURE

January 8th, 1973,

Dr. D. B. Craig,
Regional Geologist,
Dept. of Indian and Northern Affairs,
Room 211, Federal Building,
Whitehorse, Y.T.

Dear Dr. Craig:

Enclosed are summaries of Dynasty Explorations Limited's activities on its Yukon Territory mineral claim groups during the 1973 field season.

In 1973, Atlas Explorations Limited did not undertake any independent field work in the Yukon Territory but had a minor participation in all Dynasty Explorations Limited projects.

Please contact me if you require any further information.

Yours truly,

DYNASTY EXPLORATIONS LIMITED,

Thomas J. Adamson

TJA/mp
Encl.

— GEOPHYSICS

METHOD & BY WHOM

CLAIMS COVERED

LINE MILES

— TRENCHING

LENGTH

VOLUME

ON WHICH CLAIMS ?

METHOD

— STRIPPING

AREA

VOLUME

ON WHICH CLAIMS ?

METHOD

— ROAD BUILDING

MILES

WHERE ?

— UNDERGROUND WORK

FT ADVANCE

ON WHICH CLAIMS ?

— DRILLING

TYPE

SIZE

NO.OF HOLES

TOTAL FTG.

ON WHICH CLAIMS

SURFACE

UNDERGROUND

ASSESSMENT RECORDED IN 1973

None

PHYSICAL WORK

GEOLOGICAL REPORT

GEOPHYSICAL

GEOCHEMICAL

REMARKS

DATE Jan. 7, 1974

COMPANY Dynasty Explorations Limited

SIGNATURE *[Signature]*

POSITION Staff Geologist

— GEOPHYSICS

METHOD & BY WHOM

CLAIMS COVERED

LINE MILES

— TRENCHING

LENGTH

VOLUME

ON WHICH CLAIMS ?

METHOD

— STRIPPING

AREA

VOLUME

ON WHICH CLAIMS ?

METHOD

— ROAD BUILDING

MILES

WHERE ?

— UNDERGROUND WORK

FT ADVANCE

ON WHICH CLAIMS ?

— DRILLING

TYPE

SIZE

NO.OF HOLES

TOTAL FTG.

ON WHICH CLAIMS

SURFACE

UNDERGROUND

ASSESSMENT RECORDED IN 1973

None

PHYSICAL WORK

GEOLOGICAL REPORT

GEOPHYSICAL

GEOCHEMICAL

REMARKS

A continuing program of linecutting, soil sampling magnetic survey and geological mapping is planned on the MS group.

DATE Jan. 7, 1974

COMPANY Dynasty Explorations Limited

SIGNATURE [Signature]

POSITION Staff Geologist

— GEOPHYSICS

<u>METHOD & BY WHOM</u>	<u>CLAIMS COVERED</u>	<u>LINE MILES</u>

— TRENCHING

<u>LENGTH</u>	<u>VOLUME</u>	<u>ON WHICH CLAIMS ?</u>	<u>METHOD</u>

— STRIPPING

<u>AREA</u>	<u>VOLUME</u>	<u>ON WHICH CLAIMS ?</u>	<u>METHOD</u>

— ROAD BUILDING

<u>MILES</u>	<u>WHERE ?</u>

— UNDERGROUND WORK

<u>FT ADVANCE</u>	<u>ON WHICH CLAIMS ?</u>

— DRILLING

<u>TYPE</u>	<u>SIZE</u>	<u>NO.OF HOLES</u>	<u>TOTAL FTG.</u>	<u>ON WHICH CLAIMS</u>
SURFACE				
UNDERGROUND				

ASSESSMENT RECORDED IN 1973

PHYSICAL WORK	<input type="checkbox"/>
GEOLOGICAL REPORT	<input checked="" type="checkbox"/>
GEOPHYSICAL	<input type="checkbox"/>
GEOCHEMICAL	<input checked="" type="checkbox"/>

REMARKS

A grid of 15 line miles was established on the property. Exploration work will continue on the property during the 1974 field season.

DATE Jan. 7, 1974

COMPANY Dynasty Explorations Limited

SIGNATURE *[Signature]*

POSITION Staff Geologist

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1973

DATA SUBMITTED WILL AID IN COMPILATION OF THE ANNUAL YUKON MINERAL INDUSTRY REPORT.

CONFIDENTIAL INFORMATION IS NOT SOLICITED.

PLEASE COMPLETE & RETURN BEFORE 31 JAN. 1974.

A SMALL SKETCH MAP WOULD BE HELPFUL

EXPLORATION WORK DONE IN 1973 YES NO

PROPERTY NAME _____ DEA GROUP _____

FORMER NAME(S) (if old showing) _____

MINING DISTRICT: WHITEHORSE WATSON LAKE MAYO DAWSON

N.T.S. MAP SHEET 105-I-11 LAT. 62° 33' LONG. 129° 33'

LOCATION DESCRIPTION The property is located about 108 mi. east-northeast of Ross River and 13 mi. north of Summit Lake, and straddles the boundary between the Northwest Territories and Yukon Territory

TOTAL CLAIMS 34

CLAIM NAMES DEA 1-20 (Y.T.)
DEA 21-34 (N.W.T.)

ACCESS Dyn Lake just west of the property is marginally suitable for float planes. Access was generally by helicopter from Summit Lake which is suitable for float planes.

OWNER(S) OF CLAIMS Welcome North Mines Ltd.

WORK FINANCED BY: NAME Dynasty Explorations Ltd., Atlas Explorations Ltd., Shield Resources Ltd., Numac Oil & Gas Ltd.

ADDRESS c/o Dynasty Explorations Ltd., 330-355 Burrard St. Van.B.C.

WAS WORK DONE UNDER PROPERTY OPTION OR OTHER AGREEMENT NEITHER

MINERAL(S) OF ECONOMIC INTEREST Galena-sphalerite ?

BRIEF GEOLOGICAL DESCRIPTION OF DEPOSIT The property is underlain in part by a shaly limestone unit, over which a number of geochemical anomalies have been defined, which is probably closely related to the rock unit which is host to the lead-zinc occurrences in the adjacent Howard's Pass area

WORK DONE IN 1973

—GEOLOGICAL MAPPING					
	COMPANY	GEOLOGIST	CLAIMS MAPPED	SCALE	
SURFACE	Dynasty Explorations Ltd.	J D Curry	DEA 1-34	34	
UNDERGROUND					

—GEOCHEMISTRY			
METHOD & BY WHOM	CLAIMS SAMPLED	NO. OF CLAIMS	
Soil sampling, 339 samples	DEA 1-34	34	
Silt sampling, 36 samples			
Rock geochem sampling 32 samples			
(all sampling by Dynasty personnel, analyses by Acme Analytical Laboratories)			

— GEOPHYSICS

METHOD & BY WHOM

CLAIMS COVERED

LINE MILES

— TRENCHING

LENGTH

VOLUME

ON WHICH CLAIMS ?

METHOD

— STRIPPING

AREA

VOLUME

ON WHICH CLAIMS ?

METHOD

— ROAD BUILDING

MILES

WHERE ?

— UNDERGROUND WORK

FT ADVANCE

ON WHICH CLAIMS ?

— DRILLING

TYPE

SIZE

NO.OF HOLES

TOTAL FTG.

ON WHICH CLAIMS

SURFACE

UNDERGROUND

ASSESSMENT RECORDED IN 1973

PHYSICAL WORK

GEOLOGICAL REPORT

GEOPHYSICAL

GEOCHEMICAL

REMARKS

No further work is planned, at this time, on the Dea Group

DATE Jan. 7, 1974

COMPANY Dynasty Explorations Limited

SIGNATURE

[Handwritten Signature]

POSITION

Staff Geologist

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1973

DATA SUBMITTED WILL AID IN COMPILATION OF THE ANNUAL YUKON MINERAL INDUSTRY REPORT.

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PLEASE COMPLETE & RETURN BEFORE 31 JAN. 1974.

A SMALL SKETCH MAP WOULD BE HELPFUL

EXPLORATION WORK DONE IN 1973 YES NO

PROPERTY NAME _____ TAP GROUP _____

FORMER NAME(S) (if old showing) _____

MINING DISTRICT: WHITEHORSE WATSON LAKE MAYO DAWSON

N.T.S. MAP SHEET 105-I-5,12, LAT. 62° 30' LONG. 129° 37'

LOCATION DESCRIPTION The property is located 99 mi. east northeast of Ross River, Y.T. on the boundary of N.T.S. sheets 105-I-5 and 105-I-12

TOTAL CLAIMS 102

CLAIM NAMES TAP 21-76; 100-113; 200-231

ACCESS is by helicopter from either Summit Lake or Cominco Lake, the only lakes in the immediate area that can be utilized by float planes.

OWNER(S) OF CLAIMS DYNASTY EXPLORATIONS LIMITED

WORK FINANCED BY: NAME Dynasty Explorations Ltd., Atlas Explorations Ltd., Shield Resources Ltd., Numac Oil & Gas Ltd.,

ADDRESS c/o Dynasty Explorations Ltd., 330-355 Burrard St., Van. B.C.

WAS WORK DONE UNDER PROPERTY OPTION OR OTHER AGREEMENT NEITHER

MINERAL(S) OF ECONOMIC INTEREST Sphalerite?

BRIEF GEOLOGICAL DESCRIPTION OF DEPOSIT North-northwesterly trending Paleozoic black shale with abundant cherty bands, minor dolomite, barite, limestone, possibly stratiform sphalerite mineralization

WORK DONE IN 1973

—GEOLOGICAL MAPPING				
	COMPANY	GEOLOGIST	CLAIMS MAPPED	SCALE
SURFACE	_____	_____	_____	_____
UNDERGROUND	_____	_____	_____	_____

—GEOCHEMISTRY			
METHOD & BY WHOM	CLAIMS SAMPLED	NO. OF CLAIMS	
Soil sampling, 433 samples	All TAP Claims & Immediate vicinity	102	
Silt sampling, 207 samples (all work by Dynasty personnel)	_____	_____	
_____	_____	_____	

— GEOPHYSICS

<u>METHOD & BY WHOM</u>	<u>CLAIMS COVERED</u>	<u>LINE MILES</u>

— TRENCHING

<u>LENGTH</u>	<u>VOLUME</u>	<u>ON WHICH CLAIMS ?</u>	<u>METHOD</u>

— STRIPPING

<u>AREA</u>	<u>VOLUME</u>	<u>ON WHICH CLAIMS ?</u>	<u>METHOD</u>

— ROAD BUILDING

<u>MILES</u>	<u>WHERE ?</u>

— UNDERGROUND WORK

<u>FT ADVANCE</u>	<u>ON WHICH CLAIMS ?</u>

— DRILLING

<u>TYPE</u>	<u>SIZE</u>	<u>NO. OF HOLES</u>	<u>TOTAL FTG.</u>	<u>ON WHICH CLAIMS</u>
SURFACE				
UNDERGROUND				

ASSESSMENT RECORDED IN 1973

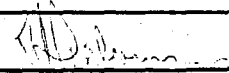
NONE

- PHYSICAL WORK
- GEOLOGICAL REPORT
- GEOPHYSICAL
- GEOCHEMICAL

REMARKS

The Tap claims were staked as follow-up of a geochemical sample of a gossan that ran very high in zinc. Subsequent soil and silt sample surveys have defined a number of anomalies on which further work is proposed.

DATE Jan. 7, 1974

SIGNATURE 

COMPANY Dynasty Explorations Limited

POSITION Staff Geologist

— GEOPHYSICS

METHOD & BY WHOM

CLAIMS COVERED

LINE MILES

— TRENCHING

LENGTH

VOLUME

ON WHICH CLAIMS ?

METHOD

— STRIPPING

AREA

VOLUME

ON WHICH CLAIMS ?

METHOD

— ROAD BUILDING

MILES

WHERE ?

— UNDERGROUND WORK

FT ADVANCE

ON WHICH CLAIMS ?

— DRILLING

TYPE

SIZE

NO OF HOLES

TOTAL FTG.

ON WHICH CLAIMS

SURFACE

UNDERGROUND

ASSESSMENT RECORDED IN 1973

PHYSICAL WORK

GEOLOGICAL REPORT

GEOPHYSICAL

GEOCHEMICAL

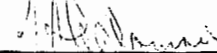
REMARKS

Additional work has been proposed to evaluate strong geochemical anomalies in areas of favourable geology.

DATE Jan. 7, 1974

COMPANY Dynasty Explorations Limited

SIGNATURE



POSITION

Staff Geologist

— GEOPHYSICS

<u>METHOD & BY WHOM</u>	<u>CLAIMS COVERED</u>	<u>LINE MILES</u>

— TRENCHING

<u>LENGTH</u>	<u>VOLUME</u>	<u>ON WHICH CLAIMS ?</u>	<u>METHOD</u>

— STRIPPING

<u>AREA</u>	<u>VOLUME</u>	<u>ON WHICH CLAIMS ?</u>	<u>METHOD</u>

— ROAD BUILDING

<u>MILES</u>	<u>WHERE ?</u>

— UNDERGROUND WORK

<u>FT ADVANCE</u>	<u>ON WHICH CLAIMS ?</u>

— DRILLING

<u>TYPE</u>	<u>SIZE</u>	<u>NO.OF HOLES</u>	<u>TOTAL FTG.</u>	<u>ON WHICH CLAIMS</u>
SURFACE				

UNDERGROUND

ASSESSMENT RECORDED IN 1973

PHYSICAL WORK	<input type="checkbox"/>
GEOLOGICAL REPORT	<input checked="" type="checkbox"/>
GEOPHYSICAL	<input type="checkbox"/>
GEOCHEMICAL	<input checked="" type="checkbox"/>

REMARKS

DATE Jan. 7, 1974

COMPANY Dynasty Explorations Limited

SIGNATURE [Signature]

POSITION Staff Geologist

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1973

DATA SUBMITTED WILL AID IN COMPILATION OF THE ANNUAL YUKON MINERAL
INDUSTRY REPORT.

CONFIDENTIAL INFORMATION IS NOT SOLICITED.

PLEASE COMPLETE & RETURN BEFORE 31 JAN. 1974.

A SMALL SKETCH MAP WOULD BE HELPFUL

EXPLORATION WORK DONE IN 1973 YES NO

PROPERTY NAME TAM GROUP -----

FORMER NAME (S) (if old showing) -----

MINING DISTRICT: WHITEHORSE WATSON LAKE MAYO DAWSON

N.T.S. MAP SHEET 105-I-12 LAT. 62° 34' LONG. 129° 45'

LOCATION DESCRIPTION The property is located 96 mi. east-northeast of Ross River, Y.T
and about 16 miles northwest of Summit Lake.

TOTAL CLAIMS 48

CLAIM NAMES TAM 1-48

ACCESS to the property is by helicopter from either Summit Lake or Cominco Lake, the
only lakes in the immediate area that can be utilized by float planes.

OWNER(S) OF CLAIMS Welcome North Mines Ltd. (N.P.L.)

WORK FINANCED BY: NAME Dynasty Explorations Ltd., Atlas Explorations Ltd.,
Shield Resources Ltd., Numas Oil & Gas Ltd.,

ADDRESS c/o Dynasty Explorations Ltd., 330-355 Burrard St. Van. B.C.

WAS WORK DONE UNDER PROPERTY OPTION OR OTHER AGREEMENT NEITHER
MINERAL(S) OF ECONOMIC INTEREST ?

BRIEF GEOLOGICAL DESCRIPTION OF DEPOSIT The property is underlain by the generally
favourable Paleozoic shale-mudstone unit that contains the Howard's Pass area sulfide
occurrence

WORK DONE IN 1973

— GEOLOGICAL MAPPING		GEOLOGIST		CLAIMS MAPPED		SCALE	
COMPANY							
SURFACE	<u>Dynasty Explorations</u>	<u>J.D. Curry</u>		<u>TA 1-40</u>		<u>1" = 1320 ft.</u>	
UNDERGROUND	_____	_____		_____		_____	

— GEOCHEMISTRY

METHOD & BY WHOM		CLAIMS SAMPLED		NO. OF CLAIMS	
<u>Soil sampling, 387 samples</u>		<u>TA 1-48</u>		<u>48</u>	
<u>Silt sampling, 100 samples</u>		<u>"</u>		<u>"</u>	
<u>Rock geochem sampling, 330 samples</u>		<u>"</u>		<u>"</u>	
<u>(all sampling by Dynasty personnel, analysis by Acme Analytical Laboratories Ltd.)</u>					

— GEOPHYSICS

METHOD & BY WHOM

CLAIMS COVERED

LINE MILES

— TRENCHING

LENGTH

VOLUME

ON WHICH CLAIMS ?

METHOD

— STRIPPING

AREA

VOLUME

ON WHICH CLAIMS ?

METHOD

— ROAD BUILDING

MILES

WHERE ?

— UNDERGROUND WORK

FT ADVANCE

ON WHICH CLAIMS ?

— DRILLING

TYPE

SIZE

NO.OF HOLES

TOTAL FTG.

ON WHICH CLAIMS

SURFACE

UNDERGROUND

ASSESSMENT RECORDED IN 1973

PHYSICAL WORK

GEOLOGICAL REPORT

GEOPHYSICAL

GEOCHEMICAL

REMARKS

A small follow-up program has been proposed for the 1974 field season.

DATE Jan. 7, 1974

COMPANY Dynasty Explorations Ltd.,

SIGNATURE

H. H. H. H.

POSITION

Staff Geologist

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1973

DATA SUBMITTED WILL AID IN COMPILATION OF THE ANNUAL YUKON MINERAL INDUSTRY REPORT.

CONFIDENTIAL INFORMATION IS NOT SOLICITED.

PLEASE COMPLETE & RETURN BEFORE 31 JAN. 1974.

A SMALL SKETCH MAP WOULD BE HELPFUL

EXPLORATION WORK DONE IN 1973 YES NO

PROPERTY NAME PLATA GROUP

FORMER NAME(S) (if old showing) Greg Group (1969)

MINING DISTRICT: WHITEHORSE WATSON LAKE MAYO DAWSON

N.T.S. MAP SHEET 105-N-9 LAT. 63° 40' LONG. 132° 02'

LOCATION DESCRIPTION Located in the Bostock Range of the Hess Mountains, between the Rouge & Hess Rivers; 108 miles north of town of Ross River.

TOTAL CLAIMS 312

CLAIM NAMES Plata 1-232; 241-288
Inca 1-32

ACCESS is by float plane to Narrow Lake 7 miles south of the property or by wheeled aircraft to a 2200' airstrip 6 miles south of the property and thence by helicopter to the campsite

OWNER(S) OF CLAIMS Dynasty Explorations Limited

WORK FINANCED BY: NAME Dynasty Explorations Limited,
ADDRESS 330-355 Burrard St., Vancouver 1, B.C.

WAS WORK DONE UNDER PROPERTY OPTION OR OTHER AGREEMENT NEITHER

MINERAL(S) OF ECONOMIC INTEREST Galena-tetrahedrite-sphalerite-boulangerite
BRIEF GEOLOGICAL DESCRIPTION OF DEPOSIT Vein-type sulfide mineralization in a major thrust fault zone between Proterozoic slates and younger black argillite to slate, and in other related fault structures.

WORK DONE IN 1973

—GEOLOGICAL MAPPING		COMPANY	GEOLOGIST	CLAIMS MAPPED	SCALE
SURFACE	Dynasty Explorations	W.J. Roberts	All Plata & Inca claims	1":1000'	also detailed in showing to 1"=10' areas
UNDERGROUND					

—GEOCHEMISTRY		METHOD & BY WHOM	CLAIMS SAMPLED	NO. OF CLAIMS
		Linecutting, 21.3 mi. (Martinson Linecutting)	PLATA 1-8; 109-112; 145-148; 169-177	25
		Soil sampling; 1000 samples (Dynasty Personnel) (analysis by Acem Analytical Laboratories Ltd.)	Plus Inca 7-11	30

— GEOPHYSICS

<u>METHOD & BY WHOM</u>	<u>CLAIMS COVERED</u>	<u>LINE MILES</u>

— TRENCHING Total of 69 trenches

<u>LENGTH</u>	<u>VOLUME</u>	<u>ON WHICH CLAIMS ?</u>	<u>METHOD</u>
34,500' (approx.)	153,000 cu.yds. Approx.	Plata 1-16; 105, 107, 109, 111, 112, 146, 170	Bulldozer (Komatso 65-A)

— STRIPPING

<u>AREA</u>	<u>VOLUME</u>	<u>ON WHICH CLAIMS ?</u>	<u>METHOD</u>

— ROAD BUILDING

<u>MILES</u>	<u>WHERE ?</u>
Total 16 miles	6 mil access road between airstrip & property; 10 mi. access road between trench locations 6 mi. south of camp, immediately north of Fido Creek.
- Airstrip 2200'	

— UNDERGROUND WORK

FT ADVANCE

ON WHICH CLAIMS ?

— DRILLING

<u>TYPE</u>	<u>SIZE</u>	<u>NO. OF HOLES</u>	<u>TOTAL FTG.</u>	<u>ON WHICH CLAIMS</u>
SURFACE				
UNDERGROUND				

ASSESSMENT RECORDED IN 1973

PHYSICAL WORK	<input checked="" type="checkbox"/>
GEOLOGICAL REPORT	<input checked="" type="checkbox"/>
GEOPHYSICAL	<input checked="" type="checkbox"/>
GEOCHEMICAL	<input checked="" type="checkbox"/>

REMARKS

Further exploration work is planned for the 1974 field season, with emphasis again on bulldozer trenching and detailed structural geological mapping.

DATE Jan. 7, 1974 SIGNATURE [Signature]
 COMPANY Dynasty Explorations Limited POSITION Staff Geologist

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1973

DATA SUBMITTED WILL AID IN COMPILATION OF THE ANNUAL YUKON MINERAL INDUSTRY REPORT.

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PLEASE COMPLETE & RETURN BEFORE 31 JAN. 1974.

A SMALL SKETCH MAP WOULD BE HELPFUL

EXPLORATION WORK DONE IN 1973 YES NO

PROPERTY NAME GORB GROUP -----

FORMER NAME(S) (if old showing) -----

MINING DISTRICT: WHITEHORSE WATSON LAKE MAYO DAWSON

N.T.S. MAP SHEET 115-I-11 LAT. 62° 33' LONG. 137° 10'

LOCATION DESCRIPTION The Gorb claims are located in the valley of Dark Creek, 10 miles west of the settlement of Minto.

TOTAL CLAIMS 72

CLAIM NAMES GORB 1-72

ACCESS is by helicopter from Minto on the Klondike highway, a distance of about 10 miles.

OWNER(S) OF CLAIMS Dynasty Explorations Limited

WORK FINANCED BY: NAME Dynasty Explorations Limited

ADDRESS 330-355 Burrard St., Vancouver 1, B.C.

WAS WORK DONE UNDER PROPERTY OPTION OR OTHER AGREEMENT NEITHER

MINERAL(S) OF ECONOMIC INTEREST Copper?

BRIEF GEOLOGICAL DESCRIPTION OF DEPOSIT Carmack volcanics (basalt & breccia) form a thin capping in the Dark Creek valley bottom over the Jurassic granodiorite which are host to the copper mineralization.

WORK DONE IN 1973

—GEOLOGICAL MAPPING

	<u>COMPANY</u>	<u>GEOLOGIST</u>	<u>CLAIMS MAPPED</u>	<u>SCALE</u>
<u>SURFACE</u>	<u>Dynasty Explorations</u>	<u>P. Dean</u>	<u>All Gorb claims</u>	<u>1:1320</u>
<u>UNDERGROUND</u>	_____	_____	_____	_____

—GEOCHEMISTRY

<u>METHOD & BY WHOM</u>	<u>CLAIMS SAMPLED</u>	<u>NO. OF CLAIMS</u>
<u>Soil sampling (P. Dean)</u>	<u>1-4; 6, 8, 10, 12, 14, 25-30; 31, 34, 36.</u>	<u>32</u>
<u>(Analysis by Acme Analytical Laboratories Ltd.)</u>	<u>38, 39, 41, 43, 44, 48, 55, 57, 59,</u>	
	<u>61, 63, 65, 67, 69, 71</u>	

— GEOPHYSICS

METHOD & BY WHOM

CLAIMS COVERED

LINE MILES

— TRENCHING

LENGTH

VOLUME

ON WHICH CLAIMS ?

METHOD

— STRIPPING

AREA

VOLUME

ON WHICH CLAIMS ?

METHOD

— ROAD BUILDING

MILES

WHERE ?

— UNDERGROUND WORK

FT ADVANCE

ON WHICH CLAIMS ?

— DRILLING

TYPE

SIZE

NO.OF HOLES

TOTAL FTG.

ON WHICH CLAIMS

SURFACE

UNDERGROUND

ASSESSMENT RECORDED IN 1973

None

PHYSICAL WORK

GEOLOGICAL REPORT

GEOPHYSICAL

GEOCHEMICAL

REMARKS

The drilling of one diamond drill hole has been proposed to determine if the claims are underlain at reasonable depth by the foliated granodiorite, which is host to copper mineralization in the immediate vicinity.

DATE Jan. 7, 1974

SIGNATURE

COMPANY Dynasty Explorations Limited

POSITION

Staff Geologist

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1973

DATA SUBMITTED WILL AID IN COMPILATION OF THE ANNUAL YUKON MINERAL INDUSTRY REPORT.

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PLEASE COMPLETE & RETURN BEFORE 31 JAN. 1974.

A SMALL SKETCH MAP WOULD BE HELPFUL

EXPLORATION WORK DONE IN 1973 YES NO

PROPERTY NAME ROTO-LORNA-GRAN-JEAN-ARO MINERAL CLAIMS

FORMER NAME (S)(if old showing) _____

MINING DISTRICT: WHITEHORSE WATSON LAKE MAYO DAWSON

N.T.S. MAP SHEET 105-K-5 LAT. 62° 25' LONG. 133° 45'

LOCATION DESCRIPTION The claims are located along Anvil Creek, approximately 18 miles northwest of the town of Faro, and 7 miles northwest of Rose Mtdn.

TOTAL CLAIMS 207 at time work was done; 136 still in good standing

CLAIM NAMES GRAN 1-24; LORNA 1-60;
ROTO 1-53; ARO 1-40; 49-50; JEAN 1-28

ACCESS is by road to either the town of Faro or the Anvil minesite, and then by helicopter to the property.

OWNER(S) OF CLAIMS Dynasty Explorations Limited

WORK FINANCED BY: NAME Dynasty Explorations Limited,
ADDRESS 330-355 Burrard St., Vancouver 1, B.C.

WAS WORK DONE UNDER PROPERTY OPTION OR OTHER AGREEMENT NEITHER
MINERAL(S) OF ECONOMIC INTEREST Galena-sphalerite?

BRIEF GEOLOGICAL DESCRIPTION OF DEPOSIT The above claims are located along the NW end of the Anvil phyllite belt. Three lead-zinc deposits are known in this belt to the S.E. of the claims

WORK DONE IN 1973

—GEOLOGICAL MAPPING			
	COMPANY	GEOLOGIST	CLAIMS MAPPED
SURFACE	_____	_____	_____
UNDERGROUND	_____	_____	_____

—GEOCHEMISTRY		
METHOD & BY WHOM	CLAIMS SAMPLED	NO. OF CLAIMS
_____	_____	_____
_____	_____	_____
_____	_____	_____

— GEOPHYSICS

<u>METHOD & BY WHOM</u>	<u>CLAIMS COVERED</u>	<u>LINE MILES</u>
Linecutting (Martinson Linecutting & ROTO-GRAN-LORNA-ARO CLAIMS)		60.3
Turam E.M. (Staking Ltd. Scintrex Surveys Ltd.)	" " " " "	43.5
Ground Mag. (Dynasty Explorations Ltd.)	" " " " "	37.6

— TRENCHING

<u>LENGTH</u>	<u>VOLUME</u>	<u>ON WHICH CLAIMS ?</u>	<u>METHOD</u>

— STRIPPING

<u>AREA</u>	<u>VOLUME</u>	<u>ON WHICH CLAIMS ?</u>	<u>METHOD</u>

<u>ROAD BUILDING</u>	<u>MILES</u>	<u>WHERE ?</u>

<u>UNDERGROUND WORK</u>	<u>FT ADVANCE</u>	<u>ON WHICH CLAIMS ?</u>

— DRILLING

	<u>TYPE</u>	<u>SIZE</u>	<u>NO.OF HOLES</u>	<u>TOTAL FTG.</u>	<u>ON WHICH CLAIMS</u>
SURFACE					
UNDERGROUND					

ASSESSMENT RECORDED IN 1973

- PHYSICAL WORK
- GEOLOGICAL REPORT
- GEOPHYSICAL
- GEOCHEMICAL

REMARKS

The 1973 ground magnetic survey and Turam electromagnetic survey on the Roto-Gran-Lorna-Jean-Aro claim groups did not define any promising exploration targets on which further work is proposed at this time.

DATE Jan. 7, 1974 SIGNATURE *[Signature]*
 COMPANY Dynasty Explorations Limited POSITION Staff Geologist

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1973

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PLEASE COMPLETE & RETURN BEFORE 31 JAN. 1974

A SMALL SKETCH MAP WOULD BE HELPFUL

EXPLORATION WORK DONE IN 1973 YES NO

PROPERTY NAME HOHO-BRAM MINERAL CLAIMS -----

FORMER NAME (S)(if old showing) -----

MINING DISTRICT: WHITEHORSE WATSON LAKE MAYO DAWSON

N.T.S. MAP SHEET 105-K-3 LAT. 62° 18' LONG. 133° 00'

LOCATION DESCRIPTION The claims straddle Blind Creek, about 7 miles upstream from its confluence with the Pelly River. The town of Faro is about 10 miles southwest of the property

TOTAL CLAIMS 45

CLAIM NAMES HOHO 1-8; 18-33; 36-43
BRAM 9-16

ACCESS Helicopter from the town of Faro 10 miles to the southwest. A bulldozer road that joins the Vangorda road, also crosses the property

OWNER(S) OF CLAIMS Dynasty Explorations Limited

WORK FINANCED BY: NAME Dynasty Explorations Limited

ADDRESS 330-355 Burrard St., Vancouver 1, B.C.

WAS WORK DONE UNDER PROPERTY OPTION OR OTHER AGREEMENT NEITHER

MINERAL(S) OF ECONOMIC INTEREST Galena - sphalerite?

BRIEF GEOLOGICAL DESCRIPTION OF DEPOSIT The quartzite phyllite unit that is host to the known Pb-Zn deposit in the Anvil Range, underlies a portion of the claim group

WORK DONE IN 1973

<u>— GEOLOGICAL MAPPING</u>				
	<u>COMPANY</u>	<u>GEOLOGIST</u>	<u>CLAIMS MAPPED</u>	<u>SCALE</u>
<u>SURFACE</u>	_____	_____	_____	_____
<u>UNDERGROUND</u>	_____	_____	_____	_____

<u>— GEOCHEMISTRY</u>		
<u>METHOD & BY WHOM</u>	<u>CLAIMS SAMPLED</u>	<u>NO. OF CLAIMS</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

— GEOPHYSICS

<u>METHOD & BY WHOM</u>	<u>CLAIMS COVERED</u>	<u>LINE MILES</u>
Linecutting (Martinson & Staking Ltd.)	Hoho 3-8;18-27;39-43	9.8 miles
Turam E.M. (Scintrex Surveys Ltd.)	" "	12.4 miles
Ground Mag. (Dynasty Explorations Ltd.)	" "	8.5 miles

— TRENCHING

<u>LENGTH</u>	<u>VOLUME</u>	<u>ON WHICH CLAIMS ?</u>	<u>METHOD</u>

— STRIPPING

<u>AREA</u>	<u>VOLUME</u>	<u>ON WHICH CLAIMS ?</u>	<u>METHOD</u>

<u>ROAD BUILDING</u>	<u>MILES</u>	<u>WHERE ?</u>

<u>UNDERGROUND WORK</u>	<u>FT ADVANCE</u>	<u>ON WHICH CLAIMS ?</u>

— DRILLING

	<u>TYPE</u>	<u>SIZE</u>	<u>NO. OF HOLES</u>	<u>TOTAL FTG.</u>	<u>ON WHICH CLAIMS</u>
<u>SURFACE</u>					
<u>UNDERGROUND</u>					

ASSESSMENT RECORDED IN 1973 - None

- PHYSICAL WORK
- GEOLOGICAL REPORT
- GEOPHYSICAL
- GEOCHEMICAL

REMARKS

A number of coincident Turam-magnetic anomalies were defined, on which further work has been proposed.

DATE January 7, 1974

COMPANY Dynasty Explorations Limited

SIGNATURE [Signature]

POSITION Staff Geologist

SUMMARY OF EXPLORATION & DEVELOPMENT WORK PERFORMED IN 1973

DATA SUBMITTED WILL AID IN COMPILATION OF THE ANNUAL YUKON MINERAL INDUSTRY REPORT.

CONFIDENTIAL INFORMATION IS NOT SOLICITED.

PLEASE COMPLETE & RETURN BEFORE 31 JAN. 1974.

A SMALL SKETCH MAP WOULD BE HELPFUL

EXPLORATION WORK DONE IN 1973 YES NO

PROPERTY NAME FOTO GROUP

FORMER NAME(S) (if old showing) _____

MINING DISTRICT: WHITEHORSE WATSON LAKE MAYO DAWSON

N.T.S. MAP SHEET 105-K-2,7 LAT. 62° 15' LONG. 132° 44'

LOCATION DESCRIPTION Located in Anvil Range of east-central Yukon, about 20 miles NE of the town of Faro and about 20 miles NW of the town of Ross River.

TOTAL CLAIMS 224

CLAIM NAMES FOTO 1-224

ACCESS Helicopter or float=plane from Faro or Ross River. A cat road extends from Faro to the property

OWNER(S) OF CLAIMS Dynasty Explorations Limited

WORK FINANCED BY: NAME Dynasty Explorations Limited

ADDRESS 330-355 Burrard Street, Vancouver 1, B.C.

WAS WORK DONE UNDER PROPERTY OPTION OR OTHER AGREEMENT NEITHER

MINERAL(S) OF ECONOMIC INTEREST Galena - sphalerite?

BRIEF GEOLOGICAL DESCRIPTION OF DEPOSIT Coincident magnetic-Turam gravity anomalies in an overburden covered portion of the belt of quartz phyllite that is host to the known Anvil area lead-zinc deposits

WORK DONE IN 1973

—GEOLOGICAL MAPPING				
	<u>COMPANY</u>	<u>GEOLOGIST</u>	<u>CLAIMS MAPPED</u>	<u>SCALE</u>
SURFACE	_____	_____	_____	_____
UNDERGROUND	_____	_____	_____	_____

—GEOCHEMISTRY		
<u>METHOD & BY WHOM</u>	<u>CLAIMS SAMPLED</u>	<u>NO. OF CLAIMS</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

— GEOPHYSICS

<u>METHOD & BY WHOM</u>	<u>CLAIMS COVERED</u>	<u>LINE MILES</u>
Gravity Survey (Airborne Geophysical Surveys Ltd., Calgary, Alta.)	FOTO 43-52; 85-94; 127-136; 167-176; 198-200	9

— TRENCHING

<u>LENGTH</u>	<u>VOLUME</u>	<u>ON WHICH CLAIMS ?</u>	<u>METHOD</u>

— STRIPPING

<u>AREA</u>	<u>VOLUME</u>	<u>ON WHICH CLAIMS ?</u>	<u>METHOD</u>

— ROAD BUILDING

<u>MILES</u>	<u>WHERE ?</u>
(cat road only) Approx. 8 miles	Foto claims: access to drill sites

<u>UNDERGROUND WORK</u>	<u>FT ADVANCE</u>	<u>ON WHICH CLAIMS ?</u>

— DRILLING

	<u>TYPE</u>	<u>SIZE</u>	<u>NO. OF HOLES</u>	<u>TOTAL FTG.</u>	<u>ON WHICH CLAIMS</u>
SURFACE	Core	BQ	5	2072 ft.	FOTO #19,36,43,129
UNDERGROUND					

ASSESSMENT RECORDED IN 1973

- PHYSICAL WORK
- GEOLOGICAL REPORT
- GEOPHYSICAL
- GEOCHEMICAL

REMARKS

A belt of quartzose phyllite rock, the same unit that is host to the Anvil area lead-zinc deposits, crosses the Foto claim group. Gravimetric, Turam electromagnetic and magnetic surveys in this area defined a number of geophysical targets that warranted evaluation by diamond drilling. Five drill holes were completed in 1973. This drilling did not intersect any indication of massive sulfide mineralization.

DATE Jan. 7, 1974 SIGNATURE [Signature]
 COMPANY Dynasty Explorations Limited POSITION Staff Geologist