TINTINA-ANVIL PROJECT

FOTO GROUP

Progress Report for the
Month of August, 1972

DYNASTY EXPLORATIONS LIMITED

By: W.J.Roberts Aug. 1972

017964

TINTINA-ANVIL PROJECT

FOTO GROUP

Progress Report for the
Month of August, 1972

105-K-2 & 7

By:
W. J. ROBERTS

DYNASTY EXPLORATIONS LIMITED

August 29, 1972

TELEPHONE 685-4331

DYNASTY EXPLORATIONS LIMITED

330 MARINE BUILDING
355 BURRARD STREET
VANCOUVER 1, B.C.

TINTINA-ANVIL PROJECT
FOTO GROUP

Progress Report for the Month of August, 1972

SUMMARY

Field work involving additional claim staking, linecutting, geologic mapping, Turam E.M. surveys and magnetometer surveys was started during the month of July, 1972. Gravimetric and geochemical soil sampling surveys of selected areas commenced during the later part of August. All field work should be completed by late September.

LINECUTTING

Approximately 80 line miles of hand cut picket lines were completed by Eastern Associates Limited, a contract linecutting company. Line spacing of 800 feet, and base lines of 3000 foot spacing were used throughout the grid area.

CLAIM STAKING

To date, 24 additional claims (Foto 201-224) have been staked to cover fractions within the original Foto Group. Additional staking is also in progress to ensure better coverage of a major Turam conductor near the eastern boundary of the property.

GEOCHEMICAL SOIL SAMPLING

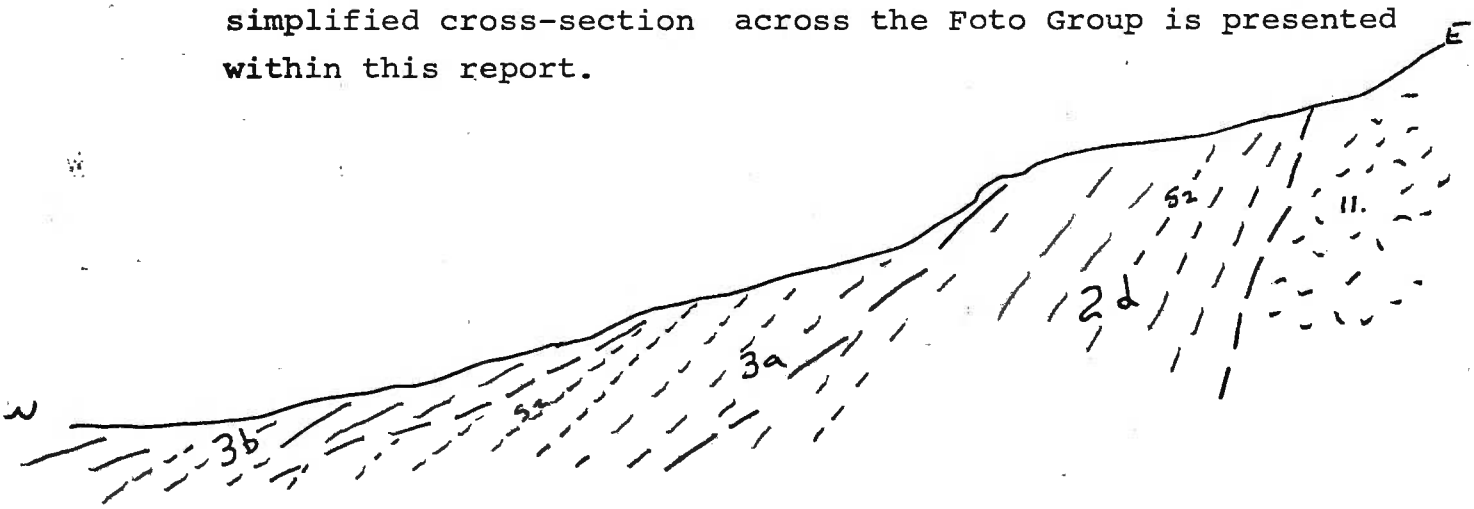
Areas of thin overburden cover and areas of known quartz-phyllite formations as well as specific Turam conductors will be soil sampled. This program will cover stations 0 to 60+00E on

lines 88N and 208N on the Foto Grid. A total of 1100 soil samples will be collected every 200 feet on lines 800 feet apart and will be analyzed for Cu, Pb and Zn.

GEOLOGY

Geologically, the Foto claims are well situated with respect to the favourable quartz-rich phyllite. Approximately half of the claim block has been mapped on 400 ft. scale with the northerly portion of the property still to be done. Outcrop is generally plentiful in the eastern portion of the gird area where the quartz-phyllite rocks occur. Specimens of each outcrop have been described and collected, portion of which have been sent to Bondar-Clegg Laboratories in Whitehorse for Pb-Zn rock geochemical analysis.

Four major rock units commonly found on the C.E.D. claims to the south of the Faro Group have been found in the Foto area. Eocambrian schist and phyllite generally trends northerly and dips steeply to the west. The schist-intrusive contact has been mapped 2000 feet to the east of the eastern border of the claim group. Bedding is generally obliterated by the S_2 foliation, but, when recognized, is thought to dip gently to the west. When the S_2 foliation is dipping between 20-30 degrees rock unit contacts should be almost horizontal. Further work is necessary to determine rock type contact trends. A simplified cross-section across the Foto Group is presented within this report.

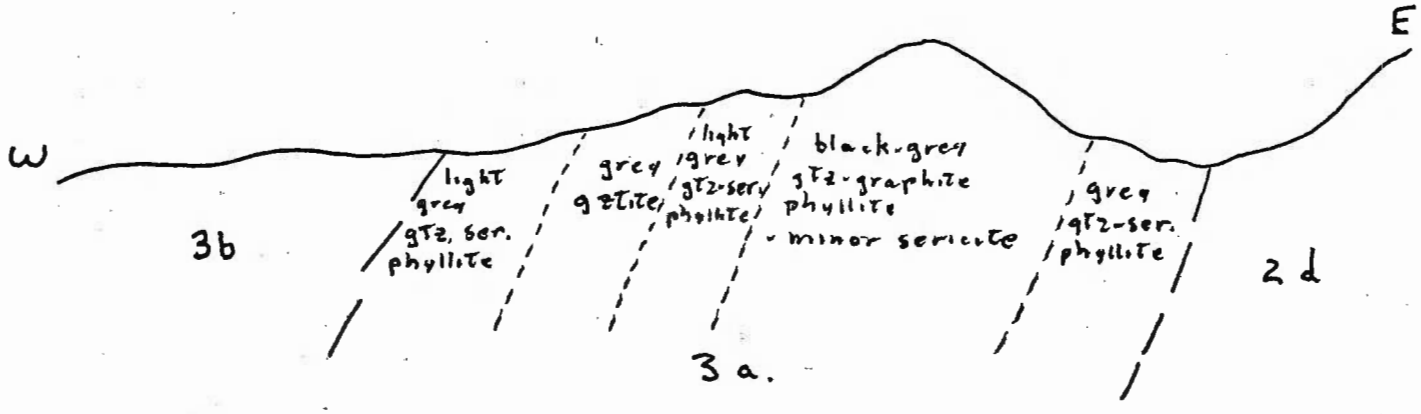


2d - Medium - coarse grained quartz biotite, sericite garnet schist. Most of the biotite is not parallel to S_2. Garnets are generally less than 5 mm. in diameter. Grades from low-grade biotite chlorite schist near the 3a contact to biotite garnet further eastward.

3a - Black to light grey quartz biotite sericite graphite phyllite. Some prominent graphitic zones occurring near the Turam anomaly between lines 72N and 40N. Also, a northerly-trending band of quartzite occurs to the west of the graphite-rich phyllite.

3b - Medium grey to black sericite, chlorite graphite phyllite, generally contains less than 50 percent quartz but may have minor bands of quartz-rich material. S_2 foliation generally dips to the west at low angles.

Over the southeastern end of the grid Units 3a and 2d are found. To date no results from rock geochemical analysis have been received from the laboratory, nor has any Pb-Zn sulphide mineralization been found. A minor amount of pyrite was noted in quartzite near line 16 North, 3800 East. Preliminary interpretation suggests the following detailed stratigraphic breakdown of Unit 3a on the Foto claims.



GEOPHYSICAL SURVEYS

Turam Survey

A Turam-E.M. crew made up of 2 men from Seigel Associates and one Dynasty assistant began survey work on July 22nd. This contract should be completed on September 2nd. Approximately 80 miles of survey will have been completed in 43 days, for an average of 2 miles per day. Overall contractors costs is estimated at $11,000.

Presently two large conductors have been outlined and are shown on the accompanying geophysical compilation. Both zones are elongated parallel to strike of schistosity and occur in highly favourable quartz-rich phyllite near the schist contact. The southern zone appears to be underlain by graphitic-rich material which has been noted for hosting 'Swim-type' massive sulphide deposits. The gravity survey should indicate any sulphide concentrations within this graphitic zone.

The northerly Turam anomaly is well defined with field strengths obtained up to 140 percent. No geologic mapping has been carried out in this area yet, however, it is anticipated that the graphitic zone continues into this region.

Gravity Survey

The gravity crew will have completed approximately 10 line miles of an initially proposed 32 mile coverage by the end of August. Proposed 4500 foot lines will cover the extent of the two Turam conductors found so far. It is expected that this contract will take a minimum of 22 days or to about September 15th to complete. Proposed contractors costs for this work is estimated at $6,000. Further gravity coverage is proposed for the northern portion of the grid area presently being covered by Turam.

CONCLUSIONS

Geophysical, geological and geochemical targets will be outlined by the end of September, at which time a diamond drill program will be proposed for target exploration in 1973.

Respectfully submitted,

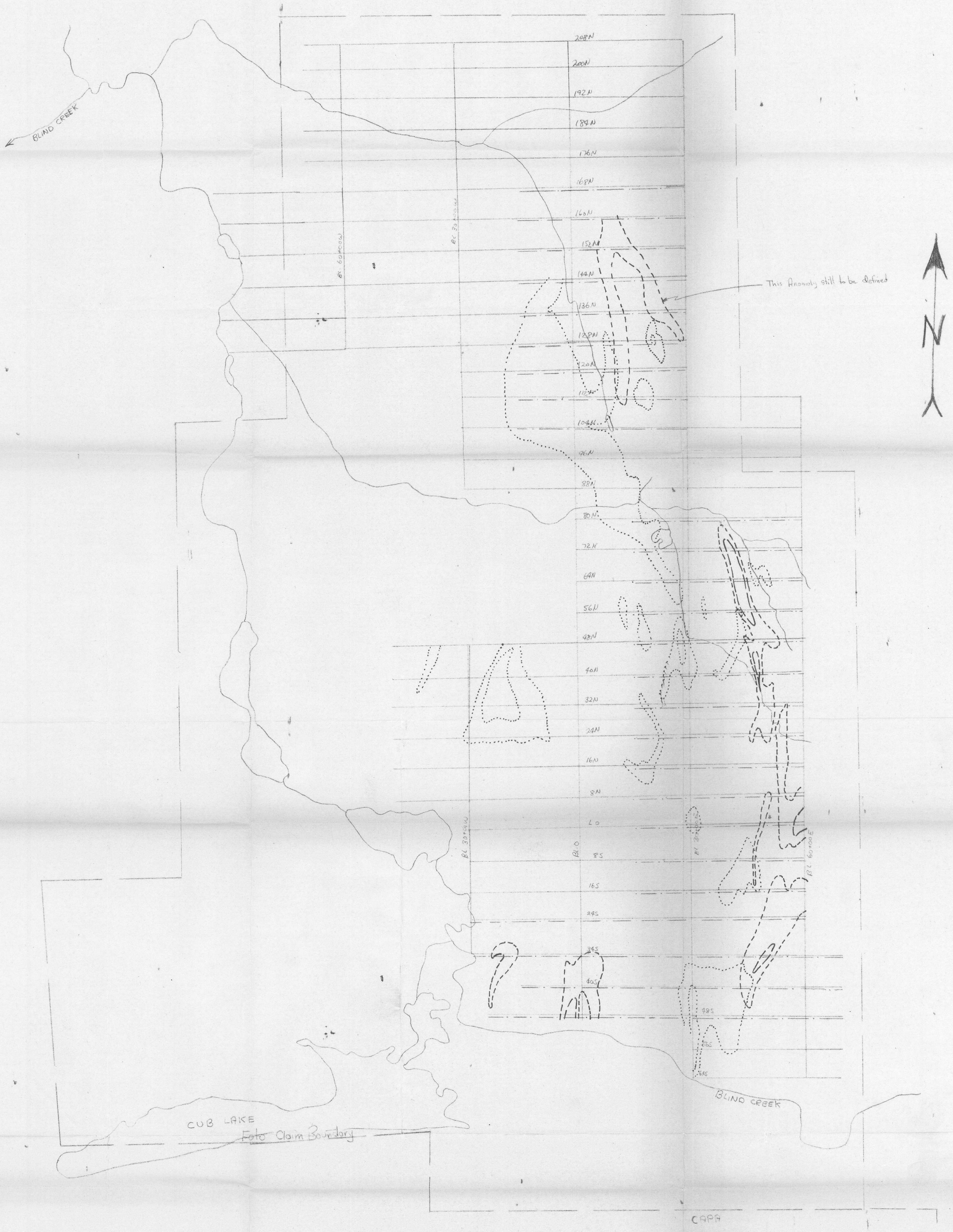
W. J. Roberts,
Geologist,

September, 1972

FOTO MINERAL CLAIMS

BUDGET SUMMARY

	Direct Costs to July 31	Estimated August	Estimated Sept.	Estimated Oct.-Dec.	Total
Staking	9,071	1,000			10,071
Linecutting		9,000			9,000
Geochem			3,500	1,000	4,500
Geology	302	1,000	1,000	1,000	3,302
Geophysics	2,918	9,000	6,000	1,000	18,918
Camp Costs	1,402	2,000	1,500		4,902
Freight & Transport.	2,068	2,500	1,000		5,508
TOTAL DIRECT	$15,761	$24,500	$13,000	$3,000	$56,191



LEGEND

800γ
900γ
Ground Magnetic Anomalies

106%
110%
Turam Anomalies (contoured field Strength)

Proposed Gravity Coverage Presently Underway

inches
0 1 2
0 1 2 3 4 5
centimetres

YUKON GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

DYNASTY EXPLORATIONS LTD

TINTINA-ANVIL PROJECT

FOTO CLAIMS

GROUND GEOPHYSICAL COMPILATION MAP

SCALE: 1" = 1320'

August 31, 1972

WR

LEGEND

11 - Medium grained hypidiomorphic biotite quartz monzonite to granodiorite

3b - Grey to black sericite, chlorite, graphite phyllite

3a - Light to dark grey to black quartz sericite graphite biotite phyllite to quartzite (qtz graphite phyllite 3ag, quartzite 3aq)

2d - Medium to coarse grained quartz sericite biotite schist, minor garnets.

inches 0 1 2
0 1 2 3 4 5 centimetres

YUKON GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

DYNASTY EXPLORATIONS LTD

TINTINA - ANVIL PROJECT

FOTO CLAIMS

PRELIMINARY GEOLOGY MAP

SCALE 1" = 1320'

Aug 31, 1972

UR