

Property Name: Common FULLER Other

Location: Lat. 62°59' Long. 130°12' NTS 105J/16

Metals: Major Minor

Type of Mineral Deposit:

013657

History and Previous Work:

Staked as the EX cl (71319) by Cominco in Sept/55 and later as the Deb cl (Y2579) in March/66 by Yukon Copper L (later transferred to Northern Empire ML). Several hundred feet of trenching was blasted, probably by Cominco. Soil sampling was conducted by Yukon Copper L.

Description:

The claims are underlain by quartzite of unit 3 and were probably staked to cover a prominent gossan about a mile from the lake. No sulfides were seen and no geochemical response was obtained. The gossan is probably caused by pyrite.

References:

ER, Jan/67 T.Sadlier-Brown, for Atlas EL.

Property Name: Common BILL Other

Location: Lat. 62°01' Long. 130°11' NTS 105J/1

Metals: Major Lead, zinc Minor Copper

Type of Mineral Deposit: Vein and skarn

History and Previous Work:

Staked as Bill and Pelly cl (Y16633) in Oct/66 by Atlas EL and later included in the Tintina Joint Venture with Mitsui in 1968. Ground surveys, including mag, EM, and mapping were conducted in 1967.

Description:

The claims cover a geochemical anomaly near the contact between a Cretaceous stock and Proterozoic quartzite (unit 1a) and late Paleozoic dolomite (unit 5). Two small lead-zinc showings are associated with faults cutting unit 5. The mineralization occurs as breccia filling in limestone and as replacement in dolomite.

References:

Atlas EL, 1966 Ann Rept, p.6
P68-68, p.81

Property Name: Common PIKE Other
Location: Lat. 62°10' Long. 130°42' NTS 105J/2
Metals: Major Copper, silver Minor Lead, zinc, gold
Type of Mineral Deposit: Skarn or stratiform(?)

History and Previous Work:

Staked as Pike cl (Y13149) in Aug/66 by Atlas EL. Fringe staking to the northwest included the Cree and Star cl (Y16250) by A. Racicot and the Oxo cl(Y16210) by Napoli EL. Racicot optioned his claims to Hecla, and preliminary surveys were conducted by Hecla and Napoli in 1967 with negative results. Atlas trenched with a bulldozer and drilled a few packsack holes in 1966 and conducted more detailed surveys in 1967. The property has lain idle since then.

Description:

Disseminated arsenopyrite, chalcopyrite, pyrite, galena and sphalerite occur in Ordovician and Silurian sediments (unit 3) near the contact of an elongate stock (probably unit 13). The sedimentary sequence includes chert, limy shale, and limestone and the stock varies from granodiorite to quartz-feldspar porphyry. Mineralization occurs both in the intrusion and the wall rocks and varies from mainly arsenopyrite to the west (No.1 Zone) to mainly galena and sphalerite at the east end. Mineralization extends along a belt two miles long but is erratically distributed. Atlas reported that No.1 Zone contains 2500 tons per vertical foot averaging 0.61 % Cu and 2.4 oz/ton Ag. No. 2 Zone (east end) assays up to 10 oz/ton Ag and 8% combined Pb and Zn in surface trenches.

References:

- WM, Nov/66, p.24
 "The Application of Saturation Prospecting Techniques to Yukon Exploration,
 by E.O. Chisholm and J.S. Brock, CMJ, April/67, pp 136-139
 P67-40, pp 60-61
 P68-68, p.80

Property Name: Common NORKEN Other
Location: Lat. 62°15' Long. 130°42' NTS 105J/2
Metals: Major Copper, lead, zinc, silver Minor
Type of Mineral Deposit: Stratiform or skarn(?)

History and Previous Work:

Discovered by Kennco and first staked as Oke cl (72725) in Sept/56 but allowed to lapse without any work. Later restaked in Sept/59 as Norken and Fool cls (74441) by Yukon Canadian Mining CL, a member of the Hirshorn group. Exploration between 1959 and 1962 consisted of trenching, mag and EM surveys, and diamond drilling - 5 holes totalling 1800 feet in 1961 and 8 holes totalling 2800 ft. in 1962. The showing was fringe staked during this period by various companies in the Hirshorn group - Consolidated Marbenor Mines, Snowdrift Base Metal Mines, Consolidated Panther Mines, Indian Mountain Metal Mines, Elite Cobalt Mines, Castlebar Silver and Cobalt Mines, Penelope EL, Gui-Por Uranium and Metals, and Murky Fault Metal Mines. The showing was again restaked by Kerr Addison ML in April/62 as the Top cl (77636); by Atlas E in June/66 as the Emu cl (Y7939); and in Aug/70 by B. Wilson as the Bill cl (Y42918).

Description:

Outcrop is rare on the property but five showings were found containing disseminated pyrrhotite, pyrite and chalcopyrite. Elsewhere, float carrying encouraging values in copper, silver, lead and zinc was discovered. Drilling the extensions as defined by EM surveys revealed that the anomalies were caused mainly by pyrrhotite, which occurs both disseminated along the bedding planes and as tiny veinlets. The host rocks are finely banded hornfels and argillite, which may belong to either units 1a or 3, cut by quartz porphyry and gabbro sills and dikes.

References:

P63-38, pp30-31

ER, Sept/60 by L.K. Lytle for Yukon Canadian MC-filed for assessment credit.

Property Name: Common BIG TIMBER

Other Atlas

Location: Lat. 62°08' Long. 131°16' NTS 105J/3

Metals: Major Molybdenum Minor

Type of Mineral Deposit:

History and Previous Work:

Staked as Atlas cl (Y13293) in Aug/66 by Atlas EL.

Description:

G.S.C. maps show no outcrop or magnetic response near the claims. The claims were staked on a molybdenum stream sediment anomaly near a prominent gossan. The gossan occurs in a bog near a contact between granodiorite and porphyritic andesite. Geochemical assays show a metal content of 20-30 ppm Mo in the soil near the bog but no mineralization was found.

References:

Property Name: Common TAC Other
Location: Lat. 62°04' Long. 131°20' NTS 105J/3
Metals: Major Minor

Type of Mineral Deposit:

History and Previous Work:

Staked as Tac cl(Y42922) in Aug/70 by Silverpeak Mining CL, a subsidiary of Cyprus ML.

Description:

G.S.C. maps indicate the claims are underlain by porphyritic intrusions of Tertiary age, and are surrounded by magnetic anomalies. Mineralized float was found while following up silt anomalies, but the source could not be located. Mineralization consists of disseminated chalcopyrite and molybdenite in altered diorite.

References:

Property Name: Common DRAGON

Other PAD

Location: Lat. 62°36'

Long. 131°32'

NTS 105J/12

Metals: Major CopperMinor TungstenType of Mineral Deposit: SkarnHistory and Previous Work:

Staked as Pad cl (74692) in Feb/60 by Kennco , which conducted a magnetometer survey and sampling program. Restaked in May/67 by John O'Neill as Mark cl (Y18130).

Description:

G.S.C. described a showing in 1945 consisting of a 3 ft. wide shear zone impregnated with pyrrhotite. Kennco worked on three diopside garnet skarn zone which are developed in thin limestone bands in Cambrian or earlier sediments (unit 1) at the margin of a small stock. The largest is 1200 ft. from the contact and covers an area of about 300 feet by 100 feet. It contains magnetite pyrrhotite, and minor chalcopyrite. The second zone has a width of 25 ft. and an unknown length, contains minor chalcopyrite and scheelite and up to 20 % pyrrhotite, and is situated at the contact. The third zone is unmineralized.

References:

P45-21, p.25

P61-23, p.43

ER, Feb/61 by J.A. Gower & G.H. Rayner for Kennco-filed for assessment credit.

Property Name: Common MT. SHELDON Other

Location: Lat. 62°43' Long. 131°35' NTS 105J/12

Metals: Major Gold, copper, tin Minor

Type of Mineral Deposit: Vein

History and Previous Work:

Discovered by the G.S.C. and apparently never staked.

Description:

Three veins were sampled by the G.S.C.:

- (1) east side of mountain - 2 ft. wide quartz vein exposed for 50 ft. length in porphyritic granite - a chip sample containing 5% arsenopyrite assayed 0.015 oz/ton gold.
- (2) northeast side - vein outcrop is 1 ft. by 2 ft., containing pyrrhotite which assayed tr. Au and 0.2% Cu - Host rock is interbedded slate, greywacke, hornfels and limestone.
- (3) south side - small vein cutting granite contains a little arsenopyrite - assayed 0.02 oz/ton Au and 0.06% Sn.

References:

P45-21, p.25

Property Name: Common RIDDELL Other BOX, WING

Location: Lat. 62°43' Long. 131°53' NTS 105J/12

Metals: Major Lead, Zinc Minor Copper

Type of Mineral Deposit: SKARN

History and Previous Work:

The first showings were found here by Atlas EL in 1968 for the Hess Project (a joint venture with Quebec Cartier Mg CL and Phillips Bros. (Can) L and were staked in June/69 as the May and Box cl (Y35363). The showings were restaked as the Wing cl (Y59201) in July/70 and were optioned to Phelps Dodge in September. Phelps Dodge subsequently staked the PDR cl (Y59758) in Sept. of Oct/70 and explored the property in 1971, conducting about 1200 feet of drilling in 3 holes (of which the third is still in progress).

Description:

The Atlas work found two showings:

May - Westerly showing- banded , massive sulfides are poorly exposed in a silicified zone along the margin of a dacite dike. Width is probably less than 15 feet. Ground geophysics by Atlas failed to find extensions. Character samples assayed 1-2 oz/ton Ag, and 18-28% combined Pb and Zn, with Pb and Zn in equal amounts.

Box - a small silicified zone containing finely disseminated pyrite and chalcopyrite in finely-bedded black chert. A character sample assayed 1.85% Cu, 0.3 oz/ton Ag and trace Au. Maximum dimensions are length 100 feet, width - 10 feet.

References:

Property Name: Common SPEARHEAD Other

Location: Lat. 62°51' Long. 131°39' NTS 105J/13

Metals: Major Copper Minor

Type of Mineral Deposit: Vein

History and Previous Work:

This showing was investigated by Atlas EL in 1967 and 1968 but was first staked in Oct/71 (PDM cl - Y56416) by Phelps Dodge.

Description:

Minor amounts of pyrrhotite and chalcopyrite occur along fractures and disseminated in a Cretaceous stock (unit 11).

References:

"Geology of the Spearhead Mountain Stock", unpublished B.A.Sc thesis, U.B.C., April/69 by G.R. Sanford.

Property Name: Common IVOR Other

Location: Lat. 60°58' Long. 130°51' NTS 105J/15

Metals: Major Copper, zinc Minor

Type of Mineral Deposit:

History and Previous Work:

Staked as Ivor c1 (Y14172) in Nov/67 by Atlas EL for the Hess Project (a joint venture with Quebec Cartier Mg CL and Phillips Bros.(Can) L)

Description:

The claims were staked on a copper, zinc geochem anomaly. Prospecting failed to locate a source. Host rocks are Ord-Dev chert and shale. A small stock lies about two miles west.

References:

Property Name: Common ROG Other

Location: Lat. 62°47' Long. 130°55' NTS 105J/15

Metals: Major Minor

Type of Mineral Deposit:

History and Previous Work:

Staked as Rog cl (Y55461) in July/71 by Hudson Bay M & S.

Description:

G.S.C. maps show that the claims are underlain by Ord-Sil sediments (unit 3) and that aeromagnetic response is quite flat.

References:

Property Name: Common CLYDE

Other JOY

Location: Lat. 60°44'

Long. 130°15'

NTS 105J/9

Metals: Major Copper, tungsten

Minor Zinc, molybdenum

Type of Mineral Deposit: SKARN

History and Previous Work:

Staked as Joy cl (Y27976) in Sept/68 by Spartan E. A soil sample grid and magnetometer survey were completed in 1969.

Description:

The claims were staked after a well mineralized boulder was found by geochem and prospecting. Subsequent prospecting was unsuccessful. The property covers the western end of an east-west trending syncline containing chert, shale (unit 3) and overlying dolomite. Porphyry dikes cut the structure and a small stock is suspected. The mineralized boulder contained a high pyrrhotite content and significant amounts of scheelite, chalcopyrite and sphalerite. Soil sampling showed anomalies in zinc and molybdenum in areas underlain by intrusive. The magnetic response is flat.

References:

NCMIR , 1969-70

REVISED 1976

Occurrence No. 14

Property Name: Common PREVOST Other

Location: Lat. 62°41' Long. 130°07' NTS 105J/9

Metals: Major Tungsten Minor Antimony, Lead

Type of Mineral Deposit: Skarn, Vein

History and Previous Work:

** Staked in July/69 by Newmont as the Sean cl (Y29194). Only preliminary surveys were done. Restaked as Joy cl (Y64580) in July/72 by J. Carson and optioned to Selwyn Project (Dynasty EL, Atlas EL, Shield Res L, and Numac O & GL), which conducted mapping and grid soil sampling in 1973 and added more Joy cl (Y72678) in March-June and Ajax cl (Y73760) in July. In 1974, Shield changed its name to Precambrian Shield Res L and Atlas changed to Cima Res L, while Dynasty changed to Cyprus Anvil Mg Corp in 1975.

Description:

Scheelite occurs in quartz veins in a porphyritic quartz monzonite stock and in skarn at the contacts. The stock intrudes Ord-Sil shale and phyllite containing minor carbonate horizons (unit 3). Minor sulfosalt veins have been found near the margins of the stock and variscite is also reported. Specimens of quartz veins and greisen alteration from the intrusive assayed as high as 1.6% WO_3 . A chip sample across 30 feet of jointed intrusive assayed 0.06% WO_3 .

References:

MIR, 1973, pp 118-119

Northern Cordillera Mineral Inventory-1972-Archer, Cathro & Associates Ltd.

Property Name: Common PREVOST

Other

Location: Lat. 62°41'

Long. 130°06'

NTS 105J/9

Metals: Major Tungsten

Minor Antimony, lead

Type of Mineral Deposit: Porphyry

History and Previous Work:

Staked in July/69 by Newmont as the Sean cl (Y29194). Only preliminary surveys were done.

Description:

This is a stockwork-type scheelite occurrence in a small Cretaceous stock. Minor sulfosalt veins occur in the Ord-Sil sediments nearby (unit 3).

References:

Property Name: Common GUN Other Bee
Location: Lat. 62°51' Long. 130°00' NTS 105J/16
Metals: Major Zinc, copper Minor
Type of Mineral Deposit: Skarn
History and Previous Work:

Staked as Gun cl (73196) in Oct/57 by Newmont, and restaked as Bee cl (Y22636) in Jan/68 by Spartan EL. Only mapping and sampling has been done.

Description:

Sphalerite and chalcopyrite occur with pyrrhotite, pyrite, smithsonite and gillespite in a small hornfels zone near the contact of the Mt. Wilson stock.

References:

P69-55, p.50

Property Name: Common ITSI Other

Location: Lat. 62°56' Long. 131°07' NTS 105J/16

Metals: Major Silver, lead, zinc Minor Copper

Type of Mineral Deposit: Vein

History and Previous Work:

Staked first as the Fuller cl (60093) by Hudson Bay M & S in Sept/50 . Restaked in Oct/62 by W.S. Kennedy as the Itsi cl (79858) and later as the Tara cl (Y2362) in Feb/66 by Yukon Copper L, which was reorganized into Northern Empire ML in 1967. Following preliminary investigations, a limited, shallow drilling program was conducted in 1970.

Description:

G.S.C. maps indicate the claims are in the hornfels zone near the contact of the Itsi stock. A 10 ft. wide shear zone outcrops in a creek and has been traced for over 800 ft. Galena, sphalerite, and chalcopryrite occur with pyrite and pyrrhotite in lenses within the shear zone. Average grade is about 2.8% Pb, 2.4% Zn, 3.2 oz/ton Ag, and 0.2% Cu.

References:

ER, Jan/67 by T.R. Sadler-Brown, for Atlas EL
ER, May/67 by R.J. Cathro , in Northern Empires ML Prospectus

Property Name: Common COSTIN

Other

Location: Lat. 62°52' Long. 130°12' NTS 105J/16

Metals: Major Silver, lead, zinc

Minor Gold

Type of Mineral Deposit: Vein

History and Previous Work:

Staked as Goat cl in August/70 by Newmont but never recorded.

Description:

Galena and sphalerite occur in narrow veins within the Itsi stock.

References:

REVISED 1976

Occurrence No. 19

Property Name: Common VARISCITE Other

Location: Lat. 62°46' Long. 103°12' NTS 105J/16

Metals: Major Copper Minor

Type of Mineral Deposit: Skarn

History and Previous Work:

** Staked as Fox cl (Y72124) in Jan/73 by Spartan EL and optioned by Canex Placer, which explored with grid soil sampling and mapping later in the year. The adjoining MS cl (Y73710) to the north were staked in July/73 by the Selwyn Project (Dynasty EL, Atlas EL, Shield Res L and Numac O & GL), which carried out prospecting and grid soil sampling in 1973-74 and a mag survey in 1974. Shield and Atlas changed names in 1974, to Precambrian Shield and Cima Res L, respectively, and Dynasty changed to Cyprus Anvil Mg Corp in 1975.

Description:

** The MS group is underlain by chert and shale of the Dev-Miss Besa River Fm (unit 3) lying between small intrusions of syenitic feldspar porphyry to the northeast and syenite to the southwest. A trace of chalcopyrite was found with disseminated pyrite and pyrrhotite in a hornfels-skarn zone near the contact. A northwest trending magnetic anomaly was obtained over the pyrrhotite-rich zone. The phosphate mineral variscite was also identified. The Fox group was staked on a silt anomaly obtained in 1968 and is underlain by shale, sandstone and limestone cut by intrusive dikes. No mineralization was found.

References:

MIR, 1973, pp 91-92, 117

** ER, Dec/73 by J.M. Kowalchuk & B. Ainsworth for Canex Placer L - FFAC

MIR, 1974, pp 166-167