

Lishy Camp #5 (August 5-August 12, 1969)

Geology: The area covered the eastern contact zone of north westerly trending Granitic-intrusives and north easterly dipping altered sediments. The main bulk of the altered rocks consists of schistic rocks (mica schist, gneissic sections) and banded altered sediments containing bands of crystalline limestone usually light grey and sugary at weathered surfaces. Phyllite very poor in Quartz is topping the schist, approx three mile north of camp, phyllite or laminated limestones was found topping the phyllites.

Mineralization: Identified minerals found in form of float and in place were zinc, calcopyrite, galena, pyrrhotite AND the most properly identified samples A2 & F which resembles galena. Galena occurring mostly in quartz and minute quantities was, except for one piece, found in form of float. Chalco was found as traces in rusty sections of banded sediments and float sample F. Quartz containing lead like mineral, sample A2, was found in place with host rock not identified. Zinc occurring in skarn replacing limestone is found in zone A as float in steep talus and in one locality of lesser steepness in place. Characteristic of zinc float are gravity, dull black weathering and square flatside blockiness when found close to surface source. Some zinc is also found in a platy scarny rock recognized by coarse granular and porous outside. Most of the mineralization occurs on both sides of aridge ju just south of camp. Many of the float boulders measure 2' or more in diameter and occupy slide strips 50' wide. Maybe 200' north of the float area the same type of mineralization is outcropping at the east side of the ridge top and strikes, steeply dipping, south east for some ways down hill. Some more well mineralized float was found close to the head of the creek which passes camp immediately south of and indicates further mineralization close by. Two miles north west of camp two more mineralized zones occur in the same host rock striking parrel to each other in a north westerly direction. This favourable band of limestone can be seen to continue across a valley along the face of amountain. Due to weather conditions very little prospecting was done and I suggest the area be further prospected.

Description for accompanying sketch:

A--- Dark pyrrhotite magnetic mineralization in form of float on steep tallus slope at contact. Source was not examined due to inaccessibility. Host rock of fine-grained and rusty weathering may be argillite.

B--- Lenticular bedding quartz vein in phillite well mineralized with dark grey mettalic mineralization, magnetite, pyrrhotite and chalcophyrite. Exposure occurs in north wall of creek with an approx. dip of 45° striking north westerly. Visibility of vein in height approx. 25' with 2' width on top and 4-5' on creek bottom. Float of the same mineralization is found down to the main stream, to about 500' upstream from showing and for approx. 300' south east along stike on opposite bank. Enrichment patterns in float and visible mineralization in wall rock suggest st along with float in stream suggesting mineralized lenses in creek bottom.

C--- Mineralized quartz lens approx 10 by 15' outcrops 1/3 of a mile north of B on a higher ~~3333333~~ elevation on grassy slope. Minerals identified were Chalcopyrite arsenopyrite, B mineralization and a coloured tarnish identical to bornite. Float was traced 45° uphill south east for approx 200' and lost in overburden on downward slope.

D--- Sighting northwest and downward along float zone and outcrop of C the opposite extension of the mineralized zone was found in a little creek near valley bottom. As the mineralization occurs in the form of float beneath a hanging wall of shaley rock no description can be given. The up and downhill mineralization occupies a shale and phyllite contact zone with the shales topping the phyllites. A light grey shaley or phillitic rock separates the two shale zones as seen on the sketch..

LISBY CAMP 5

Geologic: The area prospected covers the eastern contact zone of a north westerly trending Granitic intrusive and northeasterly dipping altered Sediments. The main bulk of the altered rocks consists of Schistitic rocks (Mica Schist Gneissic sections) and banded altered Sediments containing bands of crystalline Limestone usually light grey and sugary at weathered surface. Phyllite very pear in Quartz is topping the Schist. About three miles north of camp Phyllitic or laminated Limestone was found topping the Phyllites.

Mineralization: Identified minerals found in form of float and in place were Zinc Chalcoprite, Galena, Pyrrhotite and the not properly identified samples A2 - F which resemble Galena. Galena occurring mostly in Quartz and minute quantities was even for one piece found in form of float. Chalcoprite was found as traces in rusty sections of banded Sediments and float sample F. Quartz containing leadlike mineral sample A2 was found in place with host rock not identified. Zinc occurring in Scarn replacing Limestone is found in zone A as float in steep talus and in one locality of lesser steepness in place. Characteristics of Zinc float are gravity dull black weathering and square flat sided blockiness when found close to source. Some Zinc is also found in a platy scarny rock recognized by coarse granular and porous outside. Most of the Zinc mineralization occurs on both sides of a ridge just south of camp. Many of the float boulders measure up to 2' and more in diameter and occupy slide strips 50' wide. May be 200' north of the float area the same type of mineralization is

on leeward side of the east side of the ridge top and strikes steeply dipping south east for some ways down hill. Some more well mineralized float was found close to the head of the creek which passes camp immediately south of and indicates further mineralization close by. Two miles north west of camp two more mineralized zones occur, in the same localities striking parallel to each other in a north westerly direction. The favorable band of limestone can be seen to continue across a valley along the face of a mountain. Due to extreme weather conditions very little of prospecting was done and I suggest to re-prospect this area at a more settled time.

| Location | Description for accompanying sketch. |
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| A. | Dark Phyllositic magnetic mineral found in form of float on steep talus slope at contact. Source was not examined because of inaccessibility. Host rock dark fine-grained and of rusty weathering, maybe Argelite. |
| B. | Lenticular bedding Quartz vein in Phyllite well mineralized with dark dark grey metallic mineral (Chalcopyrite) Magnetite, Pyrrhotite and Chalc. Pyrite. Exposure occurs in north wall of creek with an approx. dip of 45° striking north westerly. Visibility of vein in high upper 25 feet with 2' width on top and 4-5' on creek bottom. Float of the same mineral is found down to main creek to about 500 feet up stream from showing and for 300' southeast along strike on opposite bank. Fracture patterns in float, visible mineralization in wall rock up and down stream are suggesting further mineralized lenses in creek bottom. |
| C. | Mineralized Quartz lens approx 10' x 15' outcrops 1/2 of a mile north of B on a higher elevation on grassy slope. Minerals identified were Chalc. Pyrite, Arsenic Pyrite, B. mineralization and a colored Tarnish identical to Bauxite. Float was traced 45° uphill south east for 200' and lost in overburden on down ward slope. |
| D. | Sighting north west and down hill along float zone and outcrop of C the opposite extension of the mineral zone was found in a little creek near valley bottom. As the mineralization occurs in form of float bearing a hanging wall of Shaly rock no description can be given. The up and down hill mineralization occupies a Shale and Phyllite contact zone with the Shale topping the Phyllites. A light grey Shaly or Phyllitic rock separates the two Shale zones as seen on the sketch. |