MAR 19720004: SOUTHWESTERN ALBERTA

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Copper

ECONOMIC MINERALS

FILE REPORT No.

CU-AF = 025(2)

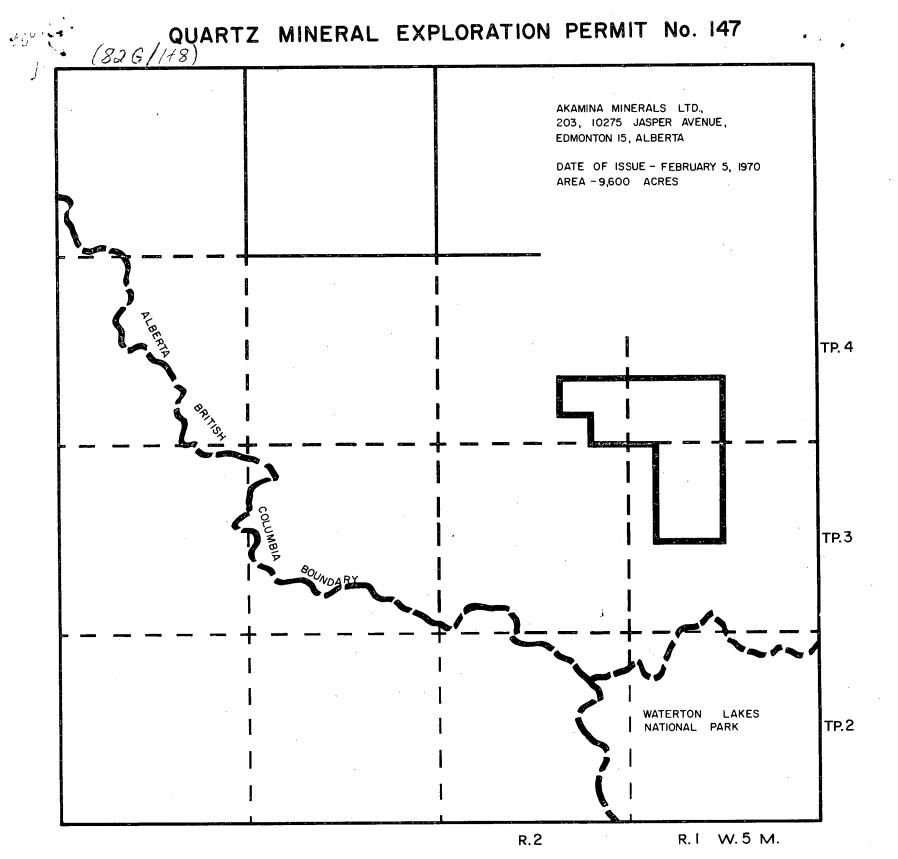
QUARTZ MINERAL EXPLORATION PERMIT # 147

Alcor Minerals Ltd., conducted an exploartion program on Permit 147 commencing July 1, 1971 and completed at August 31, 1971.

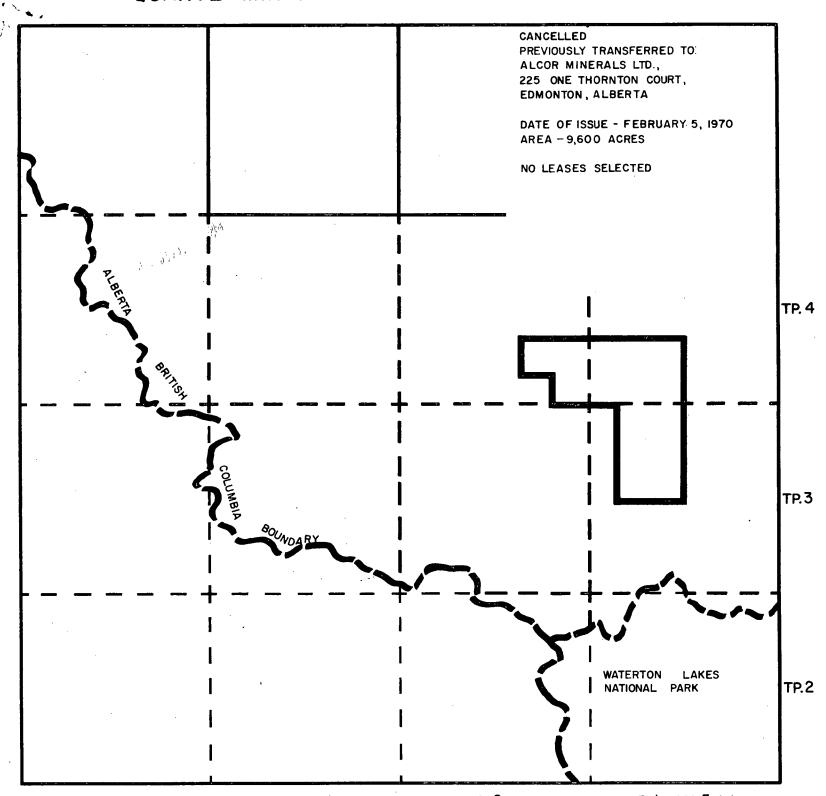
This work consisted mainly of trenching and the recording of the trenching data. This trenching was done with two men crews carried out in three areas on the Permit. Only minor occurences of mineralization was found.

Dated May 1, 1972.

Donald S. O Sullivan, Secretary-Treasurer



QUARTZ MINERAL EXPLORATION PERMIT No. 147

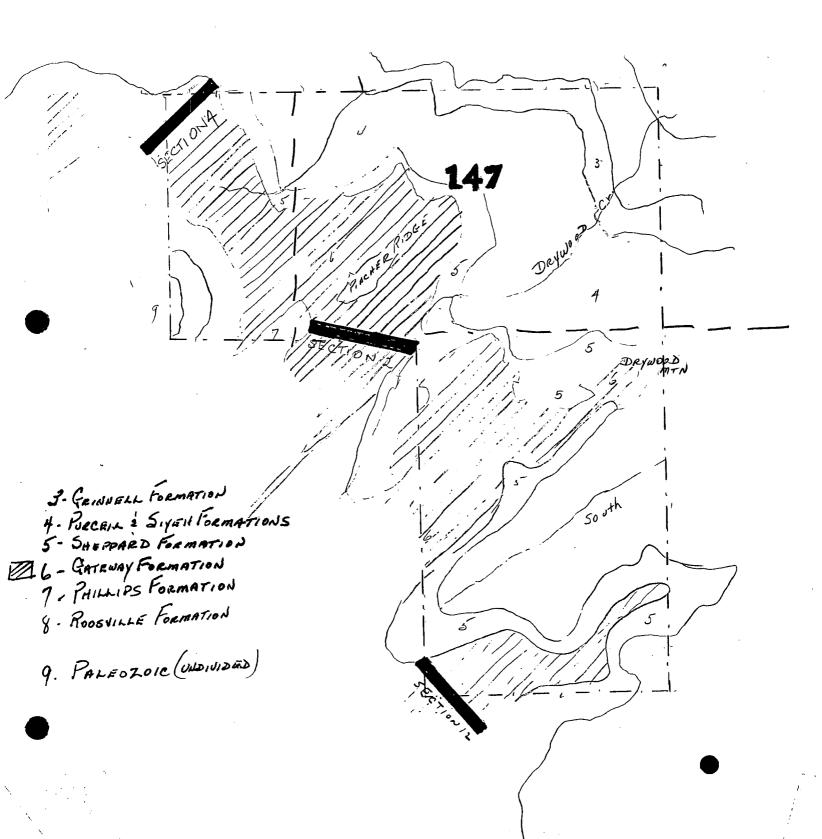


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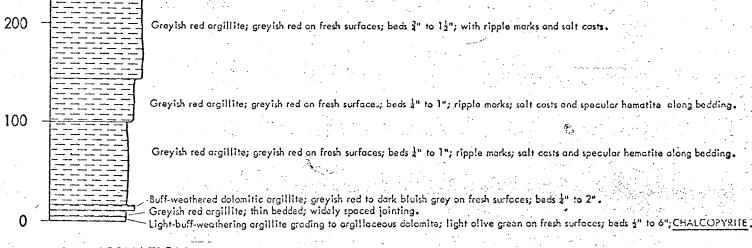
ALCOE MINERALS LTD.

SCALE: 1:50,000



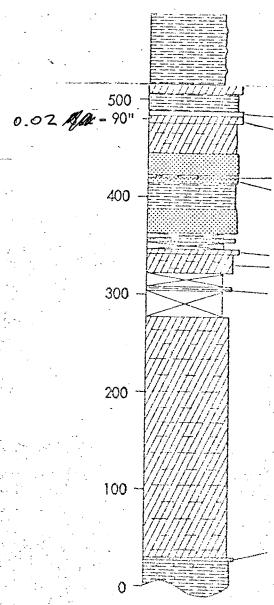
should have Section 4-Victoria Peak.
This section is Not the permit area.

SECTION 14 - PRAIRIE BLUFF



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SHEPPARD FORMATION



Buff-weathering dolomite; beds 1" to 4".

Purplish-green-weathering sillstone grading to argillaceous sillstone; finely laminated. Diorite sill.

Buff-weathering very fine-grained dolomite grading to silty dolomite; FINELY DISSEMINATED CHALCOPYRITE.

Brownish-grey-weathering argilloceous dolomite and siltstones; grey on fresh surfaces; bods 2" to 2".

Grey-weathering, fine-grained quartzite with limonitic spots; beds 6" to 2".

Buff-weathering stromatalitic breccia and medium-grained dolomitic sandstone.

Interbedded purplish red siltstones, very fine sandstones and argillaceous siltstones with a few beds of buff siliceous dalamite, 3' thick.

Purple-weathering quartitie; beds 8" to 1'; crossbedded.

Buff-weathering medium-grained sandstone with dolomite cement; beds 2" to 6".

Buff-weathering stromatalitic breccia; pink on fresh surfaces; siliceous.

Interbedded red siltstone and buff politic colomite with red predominating; beds 4".

Mostly covered with one 10" bed of red silistone and 6" of dolomitic sandstone at base.

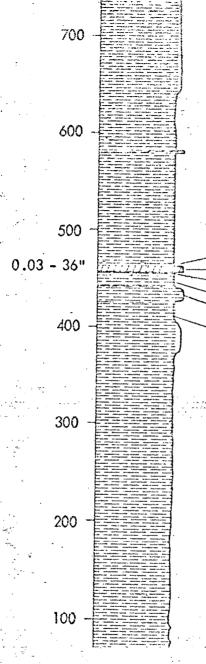
Red-weathering siltstone; beds 2" to 6"; finely lamirated.

Covered.

Interbedded greenish-to-buff-weathering dolomite, siltstone and limey argillite; beds 2° to 4°; a few interbeds of sandstone, 4" thick, and of edgewise conglomerate; beds are irregular and lenticular.

Brown-grap-weathering quartite with argillite publics and chips and with inserteds, 4° to 6° mids, of very fire-grained built-weathering delomits.

Brown-gray-weathering delamitic slitstone with 5° interbeds of occase-grained quartz sandstone; light gray on fresh unfaces.



Red-weathering argillaceous siltstone and silty argillite becoming sandler and thicker at top with sands, blooded white, throughout.

Light green dolomitic argillaceous siltstone; finely laminated.

Red argilleceous siltstone which forms series of resistant bands in outcrop; bleached whirish bands throughout; finely laminated 1th beds of green argillite near top.

Light green dolomitic argillite; very finely laminated with beds 1" to 2".

Greenish-buff-weathering, very fine-grained dolomite; beds 1" to 18".

Light green dolomitic argillite; very finely laminated.
Purplish red argillaceous siltstone; grey green bands increasing toward top.

Light-green-weathering argillaceous silistone containing dolomitic beds, $\frac{1}{2}$ to 1° thick, which weather out as brown bonds; grades down into 16° basal greyish purple silistone.

canas; graces cown into 10° botal greyish purple stitistone.
Red-weathering silty orgillite grading to siltstone; beds 1° to 2°; finely laminated and with thin orgilloceous partings; salt casts obundant on bedding planes; siltstone lenses form resistant ribs, 1° to 4° thick; light brownish grey siltier beds are present sporadically throughout; locally more resistant d.e. to increased sand content.

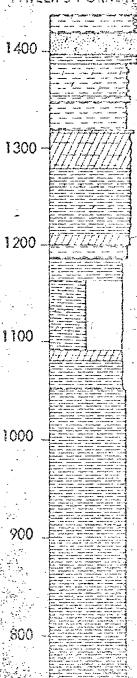
Small scale crossbedding and ripple marks.

White bands comprise 50% and produce striped appearance.

Regular alternation of brownish grey siltstones and red argillaceous siltstones.

SECTION 2 - PINCHER RIDGE

PHILLIPS FORMATION



Green argillite with more resistant siltier bods, 3° to 4° thick, more objects, $x \neq y$. Srown-weathering dolamitic sandstone grading to siltstone; bods 2° to 6°. Green-weathering siltstone with thin argillaceous partings; bods 6° to \mathbb{N}_{+} .

Interbedded green-weathering stiltstones and argillites with a few 4" beet of brown.

Purplish-red-weathering, very finely laminated argillaceous siltstone.

Oreen-weathering, very finely laminated argillite with a few more resistant tills, a second in thick.

Rusty-brown-weathering finely laminated, silty dolomits with beds 2" to 1" mile.

Brownish-green-weathering, very fine-grained dolomite grading to argillocous at top.

- size ripple marks.

- size ripple marks.

- size ripple marks.

Green-weathering argillaceous siltstone with interbeds of silty dolamite, 15 to 45 min.

Brown-weathering, sandy dolomite in very thin beds.

Greenish-brown-weathering silty dolomite in very thin beds.

Brownish-green-weathering argillite grading to argillaceous siltstone; fively laminus, in Interbedded purplish red siltstones, green argillaceous siltstones and a few sandy state, argillites and siltstones are finely laminated and alternate in units 2' things.

Interbedded sequence of green-weathering sillstones; argillaceous doloning in being in the control of the contr

Green-brown-weathering very fine-grained argillite grading to silty defendite; beautiful to 2°.

Green-weathering argillites and siltstones, with a few 4° beds of brown-green water.

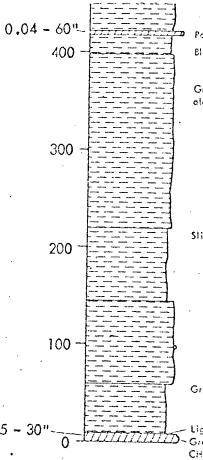
So gifty defendite; finely

Interbedded red-and-greytish-green-weathering siltstones and argillaceous siltstones are sailing in units 2' thick.

Red-weathering siltstone; beds $4^{\rm p}$ to 1°; finely laminated.

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to beds 2" to 4" thick;



Pale blue green dolomite; beds 8"; MALACHITE stain across 22.

Bleached, silty argillite; thinly bedded; salt costs; variable amount of bleaching.

Greyish red and light brown silty argillite; beds thin; ripple marks, salt costs, large packets of chlorite and some bleaching along bedding.

Slightly more bleaching along discontinuous zones.

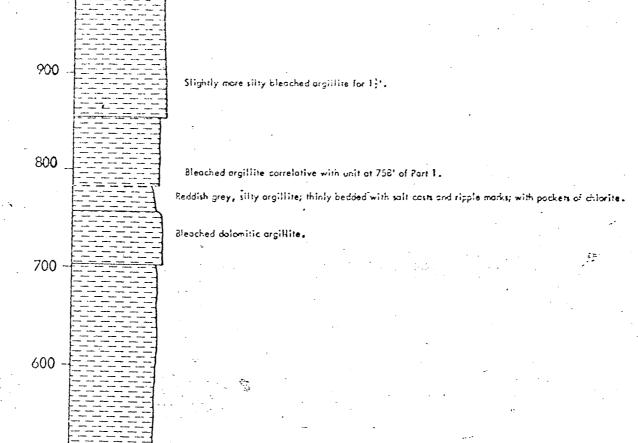
Greyish red and light brown silty argittite; beds thin; specular hematite; ripple marks and salt casts along bedding.

- Light greenish grey, very sandy dolomite; greenish grey on fresh surfaces.

Greyish orange-to pale yellowish brown weathering argilloceaus dolomite; greenish grey on fresh surfaces; beds it to 6°; CHALCOPYRITE widely disseminated and found in vogs with coloite.

·S12-3

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S12-2 1600

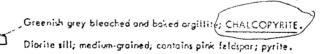
1500

1400

1300

1200

1100



Greenish grey, silty to sandy, friable argillaceous dolomite; green grey on fresh surfaces; beds 1/8" to 2".

Greyish-buff-weathering argillaceous dolomite; dark greenish grey on fresh surfaces; beds 1/16" to 5"; salt casts along bedding.

Interbedded bleached argillites and greyish red silty argillites; beds ½" to 1"; fractured at close intervals giving rise to elongated fragments; has a tendency to be more reddish along partings and bleached within beds.

Groyish red dense argillite; beds thin; salt casts and ripple marks along bedding.

S12-1