

File - Yukon Recon 1970.

- Western Yukon Casino Area
(Corresp)

INTER OFFICE MEMO

CYPRUS EXPLORATION CORPORATION LTD.
VANCOUVER OFFICE

012237

Date: March 23, 1970

To: J.B.P. Sawyer
From: C.C. McFall
Subject: Rude Creek Area, Y.T. ($62^{\circ}40'N.$, $138^{\circ}32'W.$)
(Ref. KLOTASSIN GEOLOGIC MAP)

Gold placers, intense limonite staining, and a large siliceous cap with some limonite-filled sulphide voids were early clues to the Casino deposit. While most of the gold placers of the Yukon were apparently from quartz veins in Precambrian schists, the ones at Casino obviously came from granite porphyry. According to G.S.C. Memoir 284 (p.445), the gold placers along Rude Creek came from "granitic and porphyritic rocks" about 10 to 12 miles S.60°E. of Casino.

I suggest that this is an important lead and that Carl and/or I should, as soon as feasible, go look for limonite staining and siliceous cap rocks along the upper flanks and headwaters of Rude Creek. The locations of claims could be checked at the same time.

In the meantime, I hope progress can be made on a deal with Montana Mines Ltd. on their group of 30 claims, the Axe and Hill groups, in this area. Their President is:-

C. D. (Dean) Dricos
Regional Sales Manager
Quadra Steel Ltd.
North Foot McLean Drive
Vancouver 6, B.C.

Phone: 255-6211

CCM/jel

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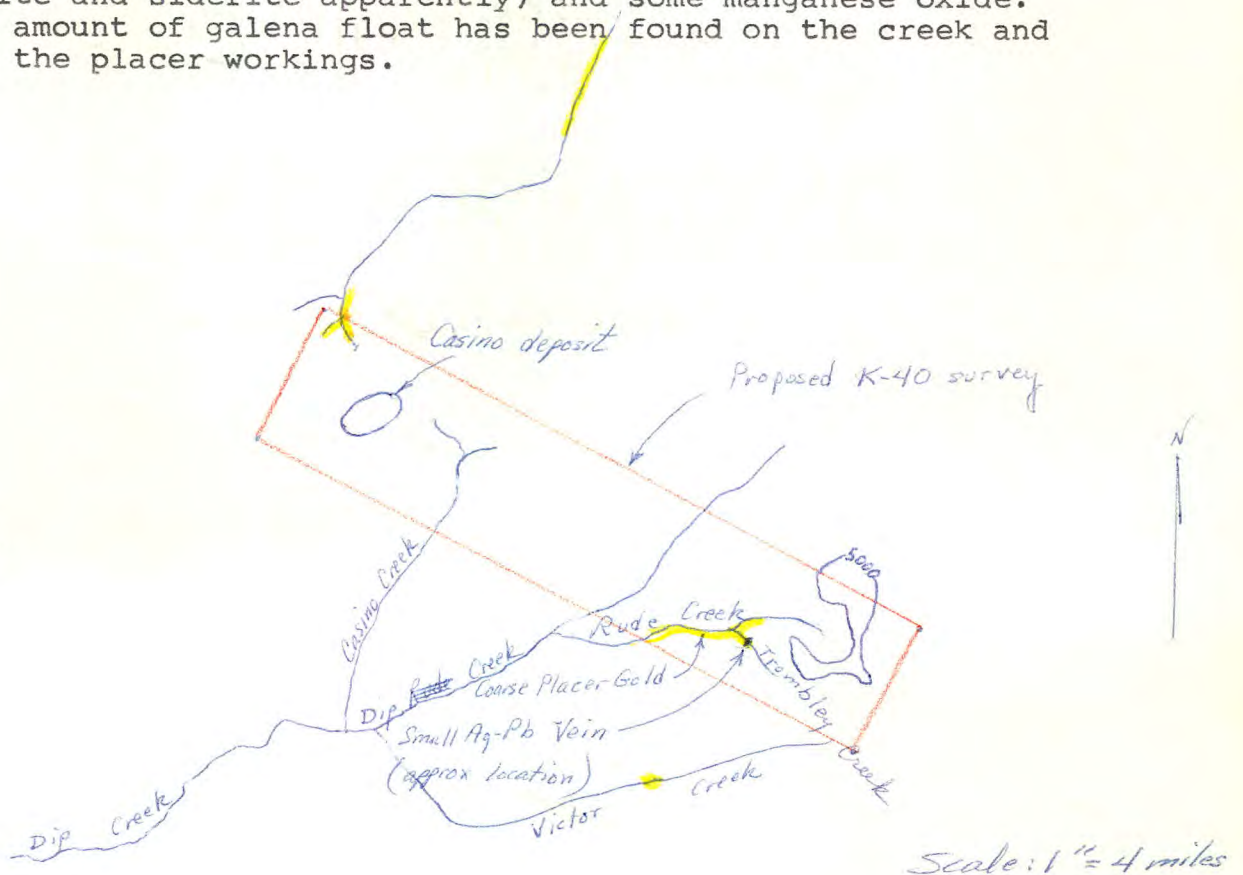
Date: March 24, 1970

To: J.B.P. Sawyer
From: C.C. McFall
Subject: SUPPLEMENT TO RUDE CREEK MEMO

According to D.C. Findlay (GSC Paper 69-55, p. 27), the veins at Casino carry "quartz, carbonate (barite and siderite), galena, sphalerite and subordinate pyrite and chalcopyrite". They occur in shear zones in altered granodiorite of Cretaceous Age, (95-99 my.)

According to Cockfield (GSC Memoir 284, p. 579-580), a small vein on Trombley Creek, a branch of Rude Creek, assays 70 ounces of silver per ton and 16 percent lead. The minerals, which occur in and disseminated near a fissure in granite, were galena, sphalerite, pyrite, carbonates of lead and iron (cerussite and siderite apparently) and some manganese oxide. A small amount of galena float has been found on the creek and also in the placer workings.

CCM/jel



INTER OFFICE MEMO

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Date: March 25, 1970

To: J.B.P. Sawyer
From: C.C. McFall
Subject: AIRBORNE K-40 TEST, CASINO AREA, Y.T.

Here are my notes on our talk this morning with Glen E. White, geophysicist, for:

Geo-X Surveys Ltd.
627 Hornby Street
VANCOUVER 1, B.C.
Phone: (604) 685-0312

They will fly 225 line miles in the Casino area, covering a 3 x 14-mile strip over Casino and extending S.60°E. from Casino for \$5,300.

We will get 3 maps: (1) magnetic
(2) K-40
(3) total count (radiometric)

plus analog data for these and Thallium 208 (Thorium) and Bismuth 214 (Uranium)

Maps on Thallium and Bismuth will be \$600 each if desired after looking over analog data.

Plane is a twin-engine bonanza (Excaliber 800). The work will probably be done over Easter.

Lines are 1,000' apart except will be sub-parallel trying to contour locally.

Readings are 165' apart flying at 115-120 mph.

Terrain clearance is 500 feet as their crystal detectors are sensitive well above 500 feet.

The cost of this test is \$23 per line mile. If we fly a regional-scale program of over 2,000 line miles, the line-mile cost would probably be \$12-\$15.

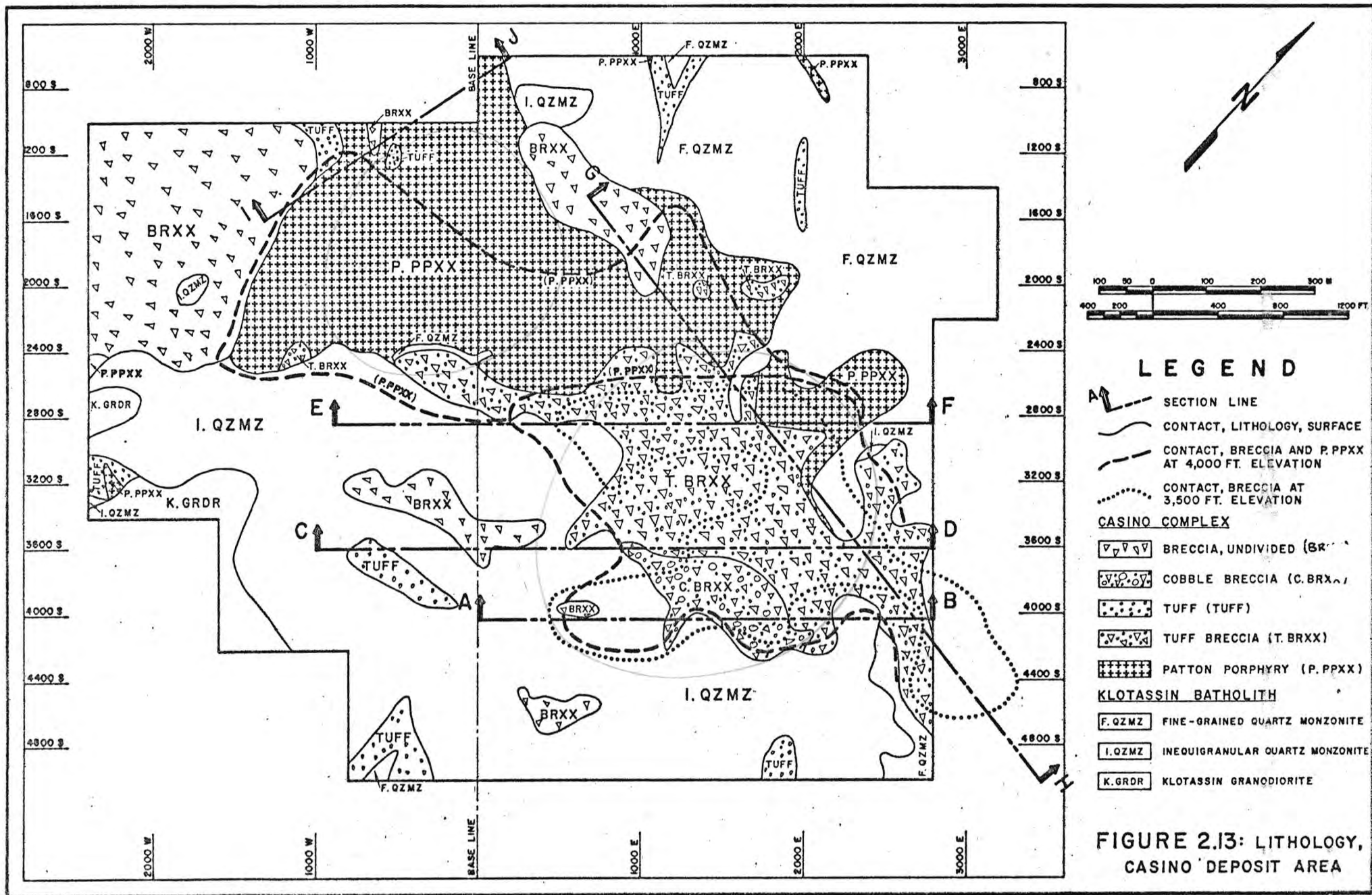


FIGURE 2.13: LITHOLOGY, CASINO DEPOSIT AREA