

Grand Forks

Pedwood Camp



GREENWOOD

Provincial Highway No. 3

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. **5023** MAP **#1**

Boundary Falls

Index Map Showing the
 Location of the Gatcha
 Group

1" = 1 mile

Mr. Shear



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June 17, 1974

SUMMARY LOGS OF PERCUSSION HOLES ON THE

SAN JACINTO GROUP

- B3-1 Drilled at -45° to a depth of 120 ft. and a bearing of S24^oW. Grey-green fine-grained chloritized diorite with traces of pyrite and chalcoppyrite.
- B5-1 Drilled at -45° to a depth of 110 ft. and a bearing of S24^oW. Grey-green fine-grained chloritized diorite. Best sulphide from 50-70 feet; mostly pyrite with minor chalcoppyrite.
- B7-1 Drilled at -45° to a depth of 100 ft. and a bearing of S24^oW. 0-30 ft. barren grey-green fine-grained andesite with abundant iron oxide. 30-40 ft. gray-to blackish-green fine-grained chloritized diorite. Rare specks of pyrite and chalcoppyrite. 40-100 ft. grey-green fine-grained diorite with only traces of sulphides.
- B9-1 Drilled at -45° to a depth of 150 ft. and a bearing of S24^oW. 0-140 ft. dark greyish-green fine-grained chloritized diorite. 140-150 fine-grained diorite.
- B11-1 Drilled at -45° to a depth of 100 ft. and a bearing of S24^oW. 0-10 black fine-grained diorite with some chalcoppyrite and pyrite. 10-50 ft. greyish-green fine-grained diorite. 50-100 ft. dark grey-green fine- to medium-grained diorite. Sulphides, mainly pyrite, more abundant than in previous section.

MAPS

#1 Index map

#2 Percussion Drill Holes, Access Trails



B13-1 Drilled at -45° to a depth of 111 ft. where it broke into old workings. Bearing S24^oW. Black to greyish-green fine-grained chloritized diorite throughout. 40-60 ft. represents the best sulphides with an assay of 0.74 copper.

G1 Drilled on the Moreen Fr. L1709 with a bearing of 275^o and -45° for a depth of 200 ft. The hole consisted of fine-grained light green chloritized diorite. 0-20 ft. weathered zone with minor iron oxide and traces of secondary copper carbonate and the odd speck of sulphides. 20-50 ft. best run of sulphides with an average copper content of.

G2 Drilled on the Arlington Fr. L1110 at a direction of S55W -45° to a depth of 110 ft. where the hole was abandoned because of loss of circulation. The hole consisted of light grey medium-grained siliceous quartz-diorite with minor chlorite and traces of pyrite and chalcopyrite.

DRILLING ON THE GOTCHA GROUP

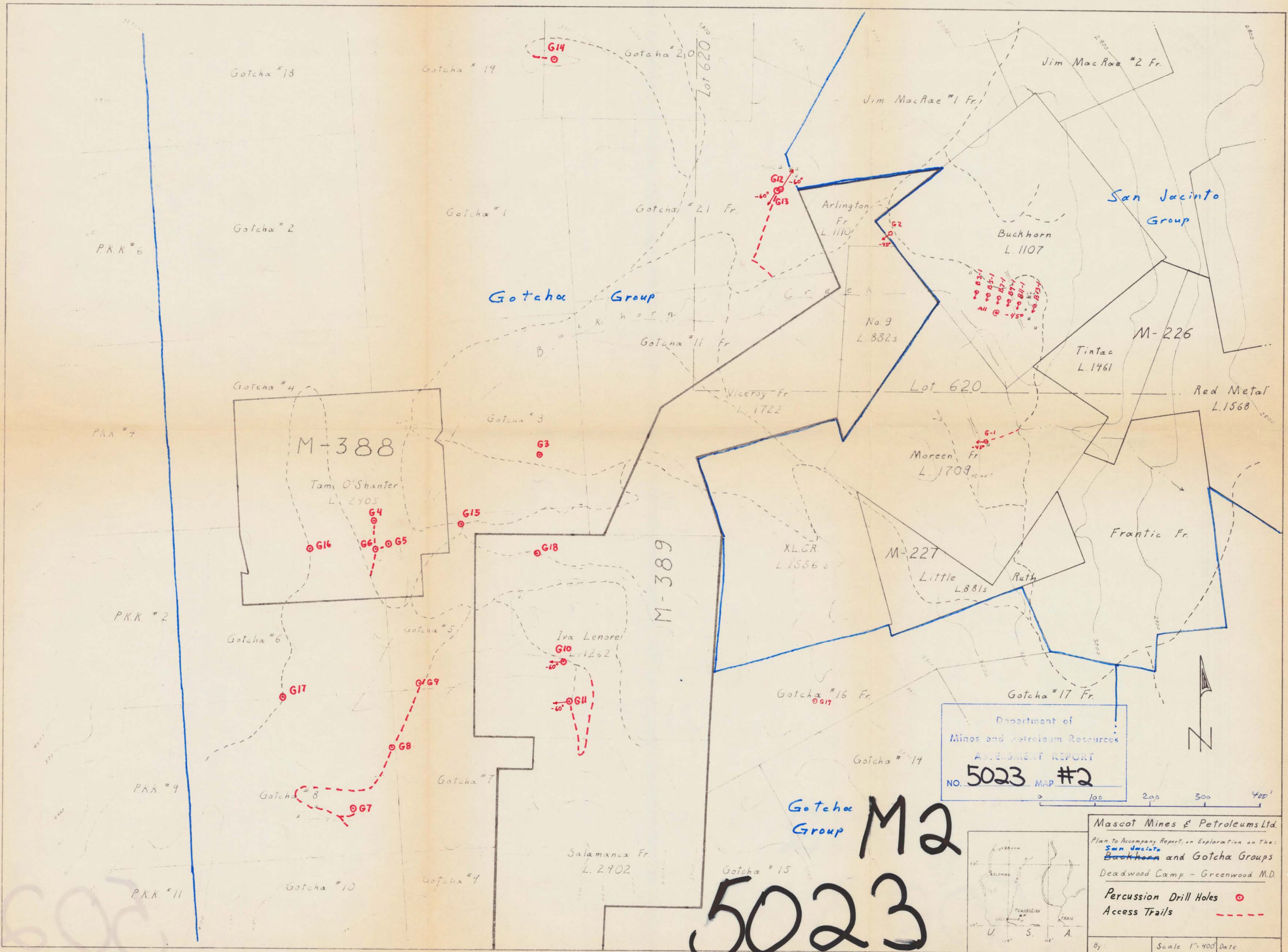
- G3 Drilled in the southeastern part of Gotcha #3. The hole is vertical and bottoms at 150 ft. Green chloritized granodiorite. Minor pyrite and iron oxide.
- G4 Drilled on the Tom O'Shanter Crown Grant L2405. The hole is vertical and bottoms at 150 ft. 40-120 ft. green quartz-diorite with 3-4% magnetite. Native copper present throughout, but decreases with depth. Iron oxide, minute specks of malachite, pyrite and chalcopyrite. 140-150 ft. is a milky-white fault zone.
- G5 This hole was to test the areal extent of the native copper zone, and it is located approximately 150 ft. south-east of G4. Depth of hole 150 feet. The rock type is the same as in G5, green quartz-diorite with abundant silica. Sulphides consist of 2-3% pyrite with minor chalcopyrite; minute grains of native copper along with malachite are present throughout.
- G6 This hole is 200 ft. south of G4 and 100 ft. southwest of G5, and is vertical to a depth of 170 ft. Drilled to test native copper zone. 0-100 ft. native copper visible in a siliceous green quartz-diorite. 100-110 ft. return water reddish-brown due to iron oxide rock type same as above. 110-170 ft. same as the first 100 ft. with occasional seam of iron oxide. Although native copper was present in the entire hole, absolutely no sulphides were seen in the hole.
- G7 This hole is in the southern part of Gotcha #8 and was drilled in an area of old workings. The hole is vertical and bottoms at 240 feet. 0-50 ft. mainly quartzite with pyrite and minute chalcopyrite and molybdenite. 50-60 ft. changes to quartz-diorite with 1-2% pyrite. 60-240 ft. quartz diorite with some chlorite pyrite increases to approximately 3%. Minute chalcopyrite from 190-200 feet.
- G8 This hole is located in the northeastern part of Gotcha #8, and it is vertical to 300 feet. 0-40 iron oxide rich weathered diorite with minor pyrite. 40-180 feet is a bleached diorite with approximately 1-2% sulphides mostly pyrite. 180-300 medium-grained granodiorite or quartz-diorite, and 0.5% sulphides, mostly pyrite, uniformly distributed throughout the samples.



- G9 This is a 230 foot vertical hole located in the southwestern part of Gotcha #5. 0-30 ft. iron oxide rich chloritized diorite with traces of pyrite and the odd speck of molybdenite. 30-90 chloritized diorite with occasional coarse quartz grains. 30-50 feet apparently contains some quartz veins which contains the odd speck of molybdenite. 80-90 feet minor chalcopyrite probably less than 0.2% copper. 90-170 feet bleached quartz-diorite becoming more mafic with depth. Pyrite evenly scattered to 150 feet but represents less than 1%; only traces of chalcopyrite were seen.
- G10 Collared on the Iva Lenore Crown Grant L1262. It was drilled to a depth of 200 feet in westerly direction at -60° . 0-30 feet weathered light greenish-gray diorite with abundant iron oxide and traces of malachite and pyrite. 30-200 feet greenish-gray chloritized diorite. The upper part of the hole contains some native copper. The odd speck of molybdenite was seen from 40-90 feet and 140-170 feet. Minor pyrite and traces of chalcopyrite seen throughout.
- G11 This hole was drilled at a bearing of S80W -60° to a depth of 150 feet. The hole is located on the western edge of Iva Lenore Crown Grant L1262. 0-30 ft. weathered chloritized diorite with minor iron oxide and traces of pyrite and chalcopyrite. 30-150 ft. is a chloritized quartz-diorite with minor pyrite and traces of chalcopyrite. The odd speck of molybdenite is present.
- G12 This hole was drilled on the Gotcha #21 Fr to a depth of 150 feet at -60° with a bearing N27 $^{\circ}$ E. 0-20 ft. weathered, fine-grained altered diorite. 20-40 dark green fine-grained volcanic (dyke?). 40-150 feet light green chloritized diorite with minor sulphides; 70-80 ft. best run of sulphides with approximately 1% pyrite and $\frac{1}{2}$ % chalcopyrite.
- G13 Collared on the Gotcha #21 Fr; this hole was drilled to a depth of 120 ft. with a bearing of S25W at -60° . The entire hole was a dark green chloritized diorite with the first 20 ft. being weathered. Sulphide content was less than 0.25% with the occasional speck of chalcopyrite.
- G14 This hole is located of the west edge of the Gotcha #20 claim and is vertical. The drill hole was stopped at 300 ft. 0-40 ft. rusty weathered quartzite with malachite, chalcopyrite, pyrite, and possibly chalcocite or magnetite.

40-200 ft. same as above except unweathered. 200-300 same as above but with less sulphides and no malachite and very little chalcopyrite.

- G15 Drilled near the northern boundary of Gotcha #5 claim in a vertical hole to a depth of 250 ft. 0-80 ft. overburden. 80-90 ft. dark blackish-green diorite mostly silica and chlorite with some magnetite and minute amounts of Cp & Py. 90-250 quartz diorite with strong chlorite and approximately 5% magnetite and a fair amount of chalcopyrite. Feldspars are still largely unaltered and contain only minute amounts of sericite.
- G16 Located on Mineral Lease M-388 (Tom O'Shanter Crown Grant L2405). This hole was drilled vertically for 410 ft. No rocks of potential economic interest were encountered. 0-310 Kettle River Arkose - quartz-feldspar arkose. 310-410 Kettle River volcanics.
- G17 Drilled on the northern boundary of the Gotcha #8 claim; this hole is vertical to a depth of 225 ft. and abandoned due to loss of circulation. 0-70 ft. overburden. 70-200 ft. Kettle River Arkose. 200-225 ft. similar to 310-410 ft. on hole G16; sandstone or conglomerate of the Kettle River formation.
- G18 Located on the northern boundary of Iva Lenore Crown Grant L1262; this hole was drilled due north at -60° and abandoned at 180 feet due to less of circulation. 0-30 ft. overburden, 30-40 rusty weathered dark-green chloritized quartz diorite 40-180 ft. dark-green chloritized quartz-diorite. Pyrite was the only sulphide seen, and it only represented trace amounts.
- G19 This is a vertical hole drilled to a depth of 140 ft. Located on the Gotcha #16 Fr. 0-26 ft. overburden. 26-140 quartz-diorite with only the odd speck of pyrite.
- G20 This hole was drilled in Deadwood Flats on the Ah There Crown Grant L1960. The hole is vertical with a depth of 100 feet. The hole was abandoned without reaching bedrock.
- G21 Located on the Pluto Crown Grant L2393. This vertical hole was drilled to a depth of 410 ft. 0-75 ft. overburden. 75-150 ft. Arkose grey in colour with 4-5% pyrite. 150-215 ft. Grey arkose with 1% pyrite. 215-340 ft. Lt. grey arkose altered with an increase of chlorite, epidote and hematite. Multicoloured but still contains unaltered arkose; 2-3% pyrite. 340-410 ft. Greyhound type skarn with abundant pyrite, epidote, hematite and chlorite.



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ASSESSMENT REPORT
NO. 5023 MAP #2

Mascot Mines & Petroleum Ltd.
Plan to Accompany Report on Exploration on the:
San Jacinto
Buckhorn and Gotcha Groups
Deadwood Camp - Greenwood M.D.
Percussion Drill Holes ●
Access Trails - - -
By: _____ Scale 1"=400' Date _____

Gotcha Group M2
5023

