

83-#684 - 11610

11/84

DIAMOND DRILLING ASSESSMENT WORK
ON THE
CAPER CLAIM
NICOLA MINING DIVISION, BRITISH COLUMBIA

50° N, 121° W
N.T.S. 911/7W

for

HERON RESOURCES LTD
201-744 West Hastings Street,
Vancouver, British Columbia

by

JAMES S. FALCONER, P.Eng.
October, 1983

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,610

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INTRODUCTION

PROPERTY AND OWNERSHIP

The property is composed of one claim of nine units staked under the Modified Grid System.

<u>Claim Name</u>	<u>No. of Units</u>	<u>Record No.</u>	<u>Expiry Date</u>
Caper	9	185	October 7, 1989

The property is owned by Heron Resources Ltd. of Vancouver, British Columbia.

LOCATION AND ACCESS

The claim is located on Broom Creek, about 24 km. northwest of Merritt, British Columbia. The geographical coordinates are 50° 20' N and 120° 53' W.

Access to the property is gained by turning off the Craigmont Mines road which branches off the Merritt to Spences Bridge road at Lower Nicola. The total distance by road from Merritt is about 31 km.



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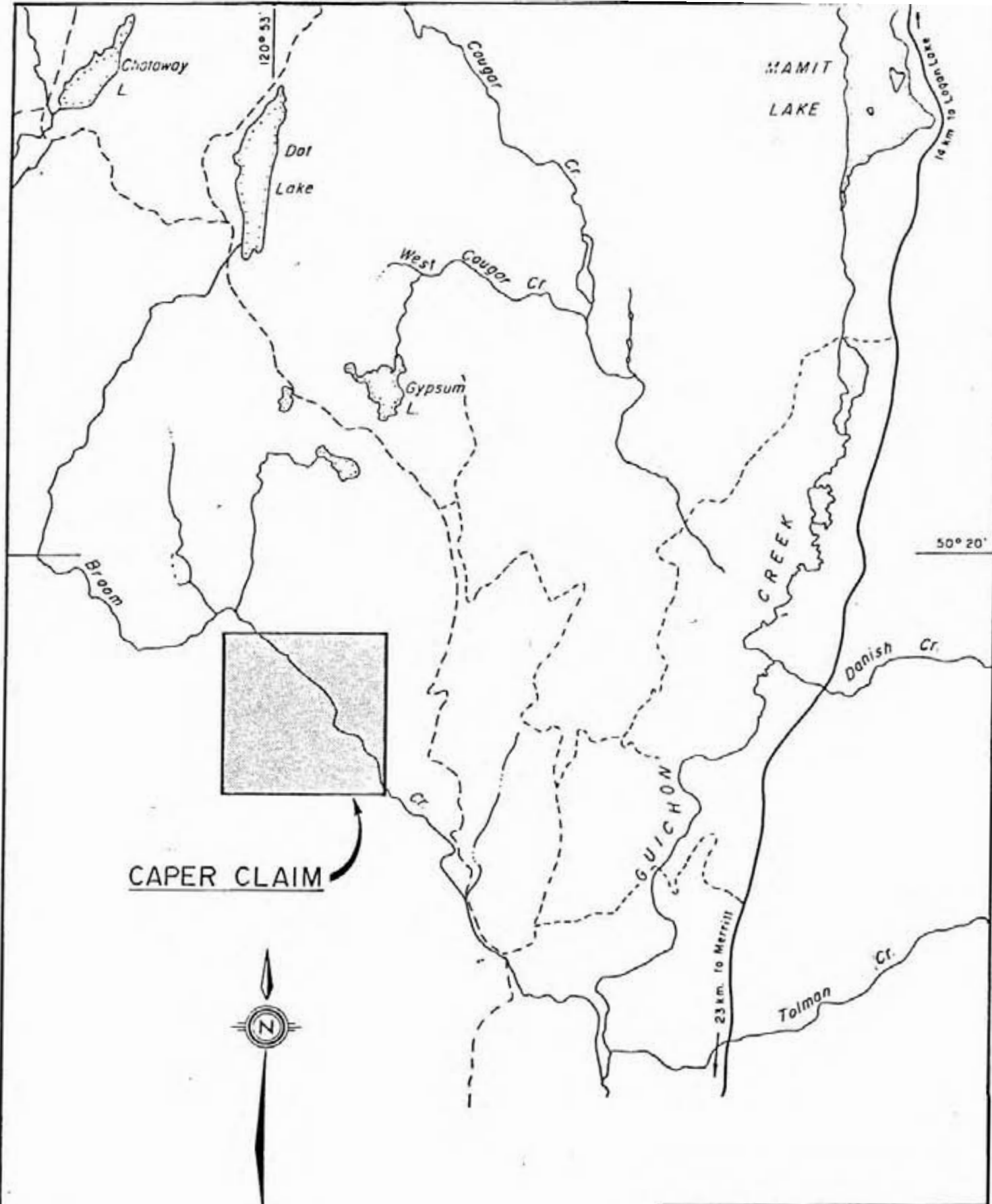
CAPER CLAIM
NICOLA M.D., B.C.

LOCATION MAP

0 100 200 MILES
0 100 200 300 KILOMETRES

JAMES S FALCONER

DRAWN JW	PROJECT CAPER	DATE July 7, 1983	FIG.
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CAPER CLAIM

HERON RESOURCES LTD.
CAPER CLAIM NICOLA M.D., B.C.
CLAIM MAP
JAMES S. FALCONER
JULY 7, 1983

PHYSIOGRAPHY

The property is located on the Thompson Plateau which forms part of the Interior Plateau region of the Canadian Cordillera.

Broom Creek flows diagonally across the claim, incising a steep-walled valley.

Total relief on the claim is about 300 m (1100 to 1400 m above sea level). The property is covered by secondary forest with scrub and deadfall.

HISTORY

Trenches and shafts are visible on the property, as evidenced by considerable past exploration activity dating back to the turn of the century. Over the past twenty years, geochemical and geophysical surveying plus trenching and diamond drilling, has been carried out on what is believed to be the principal mineralized zone on the claim.

GEOLOGY

Various phases of granodiorite have intruded the volcanics and sediments of the Triassic-Nicola Group. There are zones in the granodiorite where faulting and brecciation have occurred. These zones show alteration

(sericitization, chloritization etc.) plus the development of copper mineralization in the form of malachite and chalcocite.

WORK DONE - 1983

The diamond drilling program commenced on June 15, 1983 until July 4, 1983 under the supervision of the writer. Two trenches were dug by a small John Deere 550 dozer. The southern-most trench showed malachite mineralization while the other trench did not reach bedrock.

Diamond drill hole DDH C-1-83 was spotted to test the malachite showing at depth near a shaft some 90 meters away down slope. This hole was drilled at N75E and 70°E and terminated at a depth of 488 feet (149 meters). No mineralization was evident throughout the hole, however, zones of fault gouge were intersected as shown of the section (Note Figure 3). On June 28, 1983 drill hole DDH C-2-83 was spudded. This drill hole was spotted at N65E and 65°E, about 46 meters northwest of DDH C-1-83 to test the extension of the same mineralized zone that DDH C-1-83 tested. No mineralization was intersected but fault gouge did show up in the core. The T.D. of the hole was 502 feet (153 meters). The BX core was logged by the writer and the description follows:

LOG OF DDH C-1-83

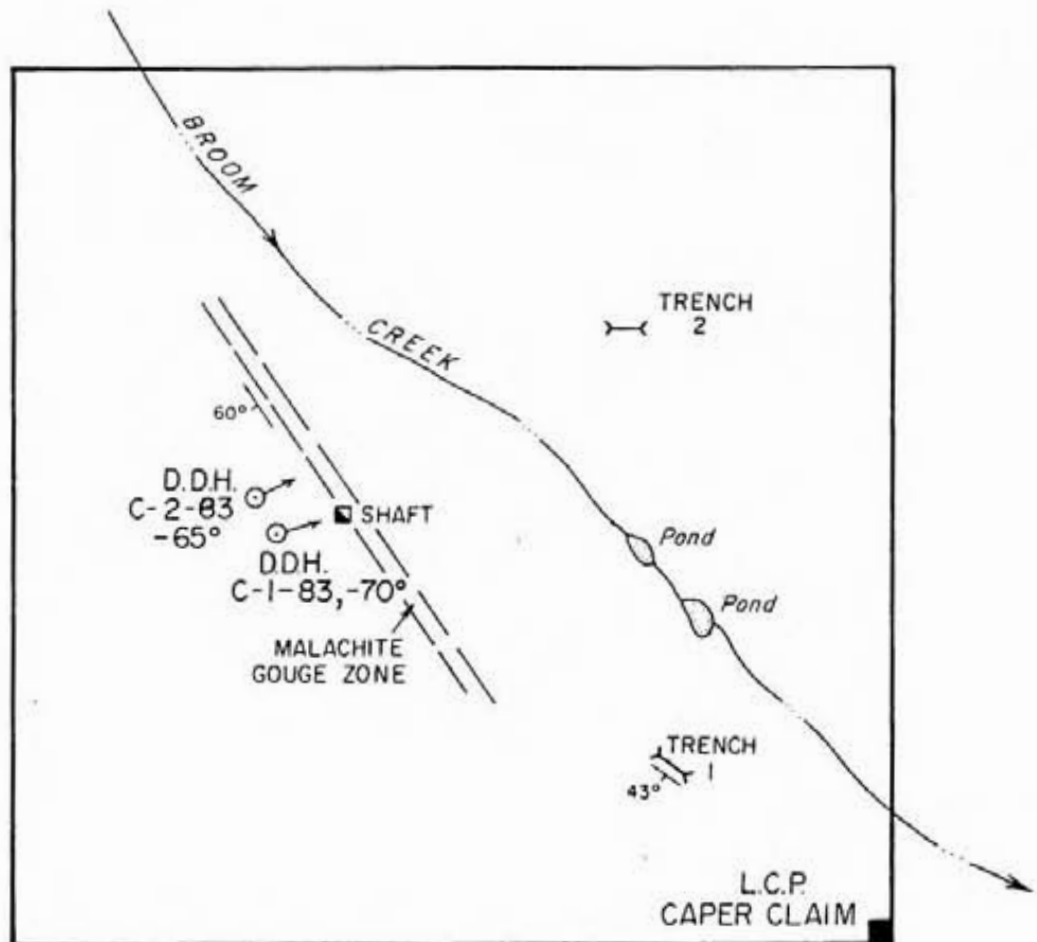
70° dip N 75 E - June 30, 1983

<u>Interval Meters</u>	<u>COMMENTS</u>
0 - 15.2	Casing, glacial clay
15.2 - 56.0	Iron stained fractures, granodiorite
56.0 - 68.9	Granodiorite with slight green chlorite alteration
68.9 - 82.9	Gouge zone, potassic alteration, chlorite alteration
82.9 - 93.0	Chlorite alteration, epidote on fractures, granodiorite
93.0 - 94.5	Unaltered granodiorite
94.5 - 115.8	Granodiorite with mild chlorite alteration
115.8 - 132.6	Granodiorite
132.6 - 134.4	Soft chlorite altered gouge zone
134.4 - 148.7	Granodiorite with mild chlorite alteration.
T.D. 148.7	Dip test 70° - 99% core recovery

LOG OF DDH C-2-83

65° dip N 65 E - July 4, 1983

<u>Interval Meters</u>	<u>COMMENTS</u>
0 - 12.2	Casing, glacial clay
12.2 - 36.9	Iron stain on fractures, weathered granodiorite
36.9 - 46.5	Unaltered granodiorite, biotite phenocrysts in altered granodiorite
46.5 - 52.1	Granodiorite
52.1 - 54.3	Unaltered granodiorite
54.3 - 86.3	Chloritized granodiorite
86.3 - 90.2	Gouge zone, highly chloritized broken core
90.2 - 124.1	Gouge zone
124.1 - 153.0	Slightly chloritized granodiorite
T.D. 153.0	Dip test 65° - 99% core recovery



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CAPER CLAIM
NICOLA M.D., B.C.

SKETCH MAP SHOWING 1983
TRENCHES & DRILL HOLES

SCALE 1" = 12000

JAMES S. FALCONER

JULY 7, 1983

DDH. C-1-83
DIP - 70°

GRAVEL
& CLAY

35°

COLLAR TO SHAFT 84m

WEATHERED
GRANODIORITE

SHAFT

CHLORITIZED
GRANODIORITE

FAULT
ZONE

CHLORITIZED
GRANODIORITE

FAULT
ZONE

T. D. 149m



HERON RESOURCES LTD.
CAPER CLAIM NICOLA M.D., B.C.
DRILL HOLE SECTION D.D.H. C-1-83
JAMES S. FALCONER
JULY 7, 1983

D.D.H. C-2-83
DIP - 65°

GRAVEL
& CLAY

WEATHERED
GRANODIORITE

CHLORITIZED
GRANODIORITE

FAULT ZONE

GRANODIORITE

SURFACE
PROFILE

T.D. 153m



HERON RESOURCES LTD.
CAPER CLAIM NICOLA M.D., B.C.
DRILL HOLE SECTION D.D.H. C-2-83
JAMES S. FALCONER
JULY 7, 1983

CAPER CLAIM EXPENDITURES
during June, 1983

Supervision - James Falconer.....	\$ 3,328.30
McLean Diamond Drilling.....	3,000.00
Pacer Exploration Services Ltd.....	17,094.07
McLean Diamond Drilling.....	15,931.15
Red Top Construction.....	2,282.50
	<hr/>
	\$41,636.02
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J. S. Falconer
Jas. S. Falconer, P.Eng.
Mining Engineer.

RECOMMENDATIONS

Drilling indicates that the fault zone mineralized with malachite and chalcopryrite is barren at depth. There are, however, other geochemically anomalous zones on the claim that can be explored by trenching and drilling and geophysical methods:

PHASE I

- a) Explore the other geochemically anomalous zones by trenching;
- b) Diamond drill any broad areas of copper mineralization;
- c) The Caper II claim to the south of the Caper Claim was incompletely soil sampled during June of 1983. The geochemical survey should be completed and an I.P. should be run on this claim.

PHASE II

Any interesting anomalies on the Caper II Claim should be diamond drilled.

COST ESTIMATES FOR FURTHER WORK

PHASE I

a) Trenching anomalous zones.....	\$ 5,000.00
b) Diamond drill copper areas.....	25,000.00
c) Caper II claim	
1. Complete geochemical survey.....	5,000.00
2. I.P. survey.....	<u>15,000.00</u>
Total Phase I.....	<u>\$50,000.00</u>

PHASE II

a) Diamond drilling of Caper II claim.....	\$25,000.00
b) Assaying and supervision.....	<u>6,000.00</u>
Total Phase II.....	<u>\$31,000.00</u>
TOTAL PHASE I & II.....	<u>\$81,000.00</u>

Respectfully Submitted,


James S. Falooner, Eng.



CERTIFICATE

I, JAMES SELKIRK FALCONER of Vancouver, British Columbia,
hereby certify as follows:

1. I am a mining engineer residing at Suite 203, 1049 Chilco Street, Vancouver, British Columbia.
2. I am a Registered Professional Engineer in the Provinces of British Columbia, Ontario and Alberta.
3. I graduated with a degree of Engineer of Mines from the Colorado School of Mines in 1969.
4. I have practised my profession for fourteen years.
5. I have no direct, indirect or contingent interest in the Caper or Caper II claims, subject of this report, nor do I intend to have any interest.
6. This report, dated October, 1983 is based upon my supervision of the work done on the Caper Claim during June 1983, and from information gathered from available maps and reports.

DATED at Vancouver, Province of British Columbia, this
1st day of November, 1983.


James Selkirk Falconer, P.Eng.,
Mining Engineer

