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J.C. STEPHEN
EXPLORATIONS LTD.

WEEKLY CAMP REPORT

PROJECT ~~Bravo~~ Newey CAMP NAME Bravo

NTS MAP SHEET 104M/9E DATES June 19-21/82

AIR PHOTOS BC 5686 152 LAT. & LONG. _____

TALUS BT-11 to BT-15
~~SILT~~ SAMPLE SERIES BT-506

B-25 to B-28
SOIL SAMPLE SERIES B-513 to 514

ROCK SPECIMEN NUMBERS 28406B - 28418B
28359B - 28366B

EAR MTN

ANALYTICAL REQUEST SHEET

CAMP NAME & NUMBER BRAVO

DATE June 19-21/82

SAMPLE NUMBER SERIES

ELEMENTS REQUESTED

82 NX BT-11 to 15, BT 506

Au Ag As

82 NX B-25 to 28, B-513-514

" " "

June 21/82

Report on the EAR MOUNTAIN prospecting area

Introduction: Ear Mountain is located approximately 3 kms southeast of Sunday Peak which is 20 kms west and 20 kms north of Atlin B.C. A small intrusion northeast of Ear Mountain was the primary target.

at the southwest end
Camp was situated ~~on~~ of a small lake at about 3500' in a northeast trending valley just south of the intrusion. Although the valley is somewhat swampy, the stream was freely flowing towards the lake. Helicopter access to the area is excellent and various camp spots are available along the valley although they are relatively ~~un~~ unsheltered. Vegetation consists of ^{fairly open} spruce, willow and buckbrush.

Prospecting and Geology:

The regional geology consists of a small hill of granodiorite, ^(EM-4), surrounded by andesite, andesite breccia ^(EM2) and porphyritic andesite, ^(EM1). The volcanic rocks are well exposed on Ear Mountain and ^{on} the ridge south of Ear Mountain, across the valley. A dark basaltic rock, ^(EM-5), occurs on the northeast edge of the intrusion. On the southwest edge, there appears to be an altered zone which consists of angular quartz fragments within a rusty weathering buff coloured host. (283608, 618).

The porphyritic andesite and andesite breccia are the same as that observed at Graham Creek. ^{Both rock types contain} ~~Some~~ some small quartz veins and cherty layers. In places the ^{porphyritic} andesite ~~is~~ exhibits layering with some almost cherty sands, (EM3).

Of particular interest was a rusty

zone on the west bank of Rusty Creek and another even rustier zone above the creek bank on the east side. Rusty Creek flows northerly into the ~~an~~ northeast trending valley, northeast of the lake. The zones appear to consist of highly ~~silicified~~ silicified andesite and andesite porphyry and contain ^{small dusky and rusty} gtz stringers and veins and pyrite. Some arsenopyrite may be present. The host rock has been completely altered to a white, ~~often~~ ^{commonly}

porphyritic, rusty material. ~~The~~ Sample 28411 B from the west zone, illustrates

¹ ~~exhibits~~ the pyritic, silicified nature of the rusty

zones. The zones have been previously stated.

Four ^{initial} posts found together ~~at~~ below the east rusty

zone contain the following information:

427466 - No. 1	427465 - No. 1	427604 No. 1	427603 ^{No. 1}
BEE No. 3	BEE No. 4	Bee No. 5	Bee No. 1
George Edzenza →		W G Hisselbee →	
June 1st, 1963 →		June 1st, 1963 →	
to #2 Westely 1500' →		Easterly 1500' →	
ft. to left 1500.	ft. to right: 1500.	left 1500'	right 1500'

A silt sample ^{flag} was found near the bottom of Rusty Creek. It read 81 G-L 378 HM. This is similar to the one found on the ~~1st~~ 3rd tributary of Graham Creek, North of camp, which read 81 GL 376.

The rusty outcrops are of a fairly large ~~A~~ size but cannot be traced further to the east or west from the creek due to lack of outcrop. Furthermore, soils in the area are very poorly developed ^{and glacial} with boulder fields predominate to the east.

Ear Mountain

EM4 - feldspar biotite porphyry
medium grained

- small feldspar crystals (2mm)

28359B - altered dyke or margin of EM4

- buff coloured, siliceous

- small feldspar crystals in a fine grained matrix

EM6 - granodiorite (?)

- medium grained, highly fractured

- slightly chloritized (blue-green colour)

- manganese stained, some rust

28360B - fragments of EM6 (?)

- have been bleached from the outside leaving core of material

- fine grained fragment with medium grained core

28364B - highly altered and fragmented EM6

- slightly siliceous

- pyrite throughout

28362B - smaller fragments (3cm) of EM6

- surrounded by drusy quartz

- some pyrite mineralization within fragments

- small quartz vein rimming part of fragment

NTS 104 M / 9 E

LINE

SAMPLER J. Pautler, Susan Kay

PROJECT NEWEX Ear Mtn.

DATE June 19 - June 21 / 82

AIR PHOTO No. BC 5686 - 152

SAMPLE NUMBER	LOCATION	ROCK TYPE	ALTERATION	MINERALIZATION	STRIKE / DIP	ADDITIONAL REMARKS	APPARENT WIDTH		ASSAYS			
							TRUE WIDTH		Au.	As.	St.	Ag
(1) 28406 B	EAR MTN	silicious andesite porph.							20	3		0.1
(2) 28407 B	"	quartz float				subangular; 15cm across			410	7		0.2
(3) 28408 B	"	qtz vein				host: porph. andesite	2cm		410	6		0.1
(4) 28409	"	chert							20	10		0.1
(5) 28410	"	qtz-cte vein							410	7		0.1
(6) 28411	Rusty Ck. W. side	silicified at very sil.	rusty weath	Py arsy?		drusy, vuggy qtz			410	110		0.1
(7) 28412	"	"	"	Py					20	36		0.5
(8) 28413	" below 28412B	"	"			drusy + vuggy qtz.			10	25		0.3
(9) 28414	Rusty Ck. E side		rusty "			in altered wte rock			410	16		0.2
(10) 28415 B	"	"	"	Py					410	38		0.2
(11) 28359 B	EAR MTN.	pale buff coloured, qtz rich volc.							20	4		0.1
(12) 28360 B	"	volc. w qtz frags	rusty weath.						410	15		0.1
(13) 28361 B	"	"	"	weathered pyrite					410	38		0.1
(14) 28362 B	RUSTY CK. west side	silicified w drusy qtz	rusty weath	f.gr. dissem. sulphides					60	20		0.2
(15) 28363 B	west side	sugary qtz-rich volc?	"	minor seams of sulphides					20	33		0.1
(16) 28364 B	west side	silicified volc.	"	f.gr. dissem sulphides					20	51		0.6
(17) 28365 B	east side	"	"	f.gr. dissem sulph. abund.					410	63		0.1
(18) 28366 B	east side	"	"	f.gr. seams of py in weath rind					20	36		0.1
(19) 28416 B	Mtn S. of Ear Mtn	lt col rock, qtz, fsp eyes, cherty qtz vein in andesite	silicious qtz veinlets	hematite		hematite not evident in Duplicate sample			20	9		0.1
(20) 28417 B	"	"	"				4cm		10	6		0.1
(21) 28418 B	Ear Mtn.	lt. col, f. graind;	silicious; rusty	greenish min		similar to 28403 at G. Ck.			410	32		0.1

