

672698

**J.C. STEPHEN  
EXPLORATIONS LTD.**

WEEKLY CAMP REPORT

PROJECT Newex CAMP NAME Bravo

NTS MAP SHEET 104M/9E DATES June 13-17/82

AIR PHOTOS BC 5686 099 LAT. & LONG. \_\_\_\_\_

SILT SAMPLE SERIES 4-1 to 3  
4-501 to 502

SOIL SAMPLE SERIES B~~4~~-510 to 512  
B-17 to 22

ROCK SPECIMEN NUMBERS 28391 to 28402 B  
28353 to 28358 B.

TALUS NO.s : BT - 501 to 505  
BT - 7 to 10

June 17/82

Report on Graham Creek Prospecting Area

INTRODUCTION: Graham Creek flows southerly into Graham Inlet approximately 20 kilometres WNW of Atlin, B.C. A small amount of placer gold has been recovered from the upper parts of the creek, and a small amount of hardrock mining was undertaken at one locality.

Camp was situated on the east side of Graham Creek between the first and second tributaries from the creek's mouth. The creek was fast flowing and averaged two metres in width making it difficult to cross. Camp was located among willow bushes which offered shelter from the wind. A helicopter pad was cut closer to the creek. Vegetation essentially consisted of willow bushes, some spruce~~(s)~~ trees and buckbrush, and grass and moss at higher elevations. Elevation in the area varies from 3500' around the creek to 5000' on the surrounding ridges. Outcrop is exposed only in the creek itself and on the very tops of the surrounding peaks and ridges.

PROSPECTING AND GEOLOGY: All of the rock along the creek and on the eastern ridge is a fine-grained to aphanitic, grey-blue to blue-green porphyritic andesite. The feldspar phenocrysts are poorly developed and white to slightly pinkish in colour. (28353) Much of the porphyritic andesite along the creek is highly silicified with minor to fairly abundant disseminated pyrite (28396). Quartz veins up to one centimetre wide are also evident. Rusty weathered surfaces are common in the silicified outcrops. <sup>Generally the more silicified the outcrop, the rustier it is.</sup> A few bleached outcrops are present (28397). Shear zones are abundant with variable directions. The old hard rock mining site consists of this silicified pyritic rock which is no different than the other similar outcrops along the creek. However, this rusty weathering rock is only exposed along the creek itself. ~~since~~ Outcrop is nonexistent in the surrounding area except at the very tops of the mountains and ridges.

The large ridge east of camp consists only of non-rusty to mildly rusty andesite porphyry. GC-1 and 2 appear to be altered equivalents of the porphyry. GC-3 is a very silicified equivalent of the <sup>andesite</sup> porphyry from the second fork north of camp.

Pyritic areas (28402B) were common in the greenish to grey andesite on the hill the GSC has mapped as "A" type volcanic rocks, SW of camp. (GC-4, 5)

Sedimentary rocks of unit 5 on the GSC 1:250,000 scale map were not found in outcrop due to the scarcity of exposure in this area. However, sub-rounded to subangular boulders of banded sediment were observed in Graham Creek south of camp.

Subangular quartz float was sampled from the creek. The float ranged up to 25 cm across and ~~contained~~ seemed to be coating rusty highly altered fragments of host rock (28393B). The source could not be located.

Prospecting further south along Graham Creek was not conducted since the creek flattens out past the first east-flowing tributary, and outcrop is scarce. The upper end of Graham Creek and the upper tributaries were still snow-filled.

The silicified, pyritic porphyry may in fact continue to the <sup>south</sup> west from Graham Creek but outcrop is nonexistent in this area. ~~and~~ The most siliceous and pyritic outcrops occur on the west bank of the creek.

One sample <sup>was taken</sup> of a very silicious rock with a greenish mineral similar to that found at King Salmon North. The sample was from angular float along the northern part of Graham Creek. (28403B).

ANALYTICAL REQUEST SHEET

CAMP NAME & NUMBER Bravo.

DATE June 18/82

SAMPLE NUMBER SERIES

ELEMENTS REQUESTED

82 NX B - 17 to 24

Au Ag As

82 NX B - 510 to 512

" " "

82 NX BT - 7 to 10.

Au Ag As

82 NX BT - 501 to 505

" " "

82 NX - 4 - 1 to 4

Au Ag As

4 - 501 to 502

" " "

NTS 104 M/9 E

SAMPLER J. Poutler, Susan Kay

PROJECT Newer - Graham Creek

LINE

DATE June 13-17/82

AIR PHOTO No. BC 5686 099

SAMPLE NUMBER	LOCATION	ROCK TYPE	ALTERATION	MINERALIZATION	STRIKE / DIP	ADDITIONAL REMARKS	APPARENT WIDTH	TRUE WIDTH	ASSAYS		
									Ag	As	Au
(1) 28391 B	Graham Cr. N of camp	porphyritic andesite	rusty	dissem py minor gte veins					0.1	50	<10
(2) 28392 B	"	"	silicified rusty-yellow	py					0.1	36	<10
(3) 28393	At 2nd fork N of camp	ang-subang gtz float	rusty host fragments			vuggy, layered gtz host frags too altered			0.2	11	20
(4) 28394	N of 2nd fork	porph andesite	very silicious rusty weath	py					0.1	7	10
(5) 28395	place site S of camp	ang-subang gtz fl.	rusty, altered	rusty frags host		drusy gtz coating frags; vuggy			0.3	10	120
(6) 28396	N of camp W side G.ck	andesite porphyry	silicified, rusty, weath	py in seams + dissem					0.8	40	30
(7) 28397 B	1st fork N of camp on G.ck	bleached, shaded porph.	silicious, rusty surfaces	minor py					0.2	82	10
(8) 28398	old mine G.ck	same as 28396							0.2	43	<10
(9) 28399	N of old mine	"	"	"					0.1	46	<10
(10) 28400 B	N of 28399 W side G.ck	and. porph.	silicified, minor gtz veinlets, rusty altered	very abundant py					0.2	36	20
(11) 28401 B	on top of mtn of volc. A	calcite-gtz vein				host greenish-grey andesite	15cm		0.1	2	20
(12) 28402	"	grayish andesite	rusty	py on fracture surfaces					0.1	5	<10
(13) 28353 B	N of camp Graham Ck.	andesite porphyry	orange weather	dissem. py					0.1	60	<10
(14) 28354 B	N of 28353 B	silicified porphyry	silicified	minor dissem. f.gr. pyrite(?)					0.1	25	10
(15) 28355 B	N of 28354 B	angular gtz. float	rusty host fragments						0.1	4	20
(16) 28356 B	N of camp N of 2nd fork	volcanic	well silicified, rusty weather	minor sulphides					0.1	7	<10
(17) 28357 B	N of camp west bank	brecc. volc.	chloritized	f.gr. dissem sulphides		beside 28400 B			0.1	10	20
(18) 28358 B	on top of volcanic hill	gray-blue volcanic	rusty weather	py. in seams + dissem.		near Bt-505			0.1	1	<10
(19) 28403 B	N of 3rd fork N of camp E side	blue-grey siliceous and some gtz	small cte gtz vein lots, rusty weath	- greenish min.					0.1	6	<10
(20) 28404 B	3rd fork N of camp	gtz-cte vein	andes. porph. host			No Duplicate			0.1	2	<10
(21) 28405 B	S of 3rd fork N of camp	silicif andes. porph.	rusty surface	py		W. side of fork			0.1	14	<10

NTS 104 M / 9E

SAMPLER Jean Pautler, Susan Kay

PROJECT Newex - Graham Creek

DATE June 13/82 - June 16/82

LINE

AIR PHOTO NO. BC 5686 099

SAMPLE NO.	LOCATION	Depth cm	Horiz	DESCRIPTION				SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS		
				Colour	Part Size	% ORG.	Ph				Au	As	Ag
82-NX-B-510	N of camp	10	B	dk orange brown	loamy sand	40%	-	flat	scrub	- just upstream from hut	20	670	0.3
B-511	"	10	B	dk. brown	"	15-20%	-	gentle	"	on flat plateau; NE of camp	10	20	0.1
B-512	"	5	B	orange brown	sandy	15%	-	gentle	"	on north bank of showing	410	60	0.2
B-17	N of camp G. Ck.	tailings	B	rusty br.	fine pebbly sand	few		gentle	grass willow		410	63	0.2
B-18	100m S of house (G. Ck.)	5	B	med br	fine sandy	none		flat	-	near tailings from placer operation E side G. Ck near 1st fork N of camp	10	20	0.1
B-19	side of E. ridge	"	B	deep med br	fine silty sand	mod		mod	grass brush		410	17	0.1
B-20	E ridge	10	B	med br	fine	lots	wet	flat	moss	porph. andesite felsenerd.	410	7	0.1
B-21	N slope of 4th trib N volcanic mtn	exposed by squirrel	B	dk br	med clayey sand	few	-	mod	grass spruce	exposed by squirrel hole	410	16	0.1
B-22		3	B	yellowish med br	med	"		flat	moss brush		410	9	0.1
B-23	N of 3rd fork	5	B	dk br	med sand.	med	-	steep	grass scrub	on E bank of G. Ck N of 3rd fork N of camp; andesite porph. blds	20	15	0.1
B-24	"	2	B	med br	"	few		gentle	grass	E bank G Ck S of 4th fork N of camp	10	12	0.1



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Newex - Graham Creek

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				Colour	Part Size	% ORG.	Ph				Au	As	Ag
82-NX-Bt-501	upstream from camp	10		rusty dk brown	fine	5%	-	flat	scrub	- upstream from hut; east bank	10	23	0.1
Bt-502	"	5		light orange br	med.	5%	-	gentle	scrub spruce pine	- north side of showing; overlying altered porphyry	210	60	0.1
Bt-503	"	5		dk or brown	med.	5%	-	gentle	"	- " " " " ; "	410	120	0.3
Bt-504	"	15		dk or brown	"	10%	-	gentle	"	- south " " " ; overlying unalt. volc.	20	150	0.1
Bt-505	downstream from camp	2		rusty or brown	med	10%	-	mod.	scrub	- overlying rusty volc; volcanic hill.	10	7	0.1
BT-7	N of 1st fork N camp	2	C	rusty br	med.	few		mod.	some grass	rusty porphyritic andesite above	20	110	2.6
BT-8	old mine workings	-	C	yellow	fine-med	none		steep	-	} in crevice fracture in rusty, silicious andesite porphyry.	410	110	0.2
BT-9	"	-	C	rusty	fine	"		"	-		410	260	0.2
BT-10	"	-	C	OR-br	fine	"		mod.	-		410	95	0.2



