

June 24/81

Report on Wade Lake Prospecting Area

671835  
GRIZ

Introduction: Wade Lake is located approximately 130 km SSE of Atlin, BC and 27 km WSW of Heat Peaks. The area was of interest due to the presence of quartz feldspar porphyry bodies within an anticline of Triassic volcanic and sedimentary rocks, as well as the presence of a diorite unit to the NW of Wade Lake. Faulting was also evident in the area.

Camp was located at the NW end of Wade Lake which is a very shallow lake surrounded by swamp. The area was largely burned approximately 10 years ago but the few trees remaining along the edges of the swamp offer some protection from the wind. Mosquitoes, however, are very bad. The water from the lake is clear and drinkable. The swamp offers excellent helicopter access. If any future work is needed on the mountain to the south of Wade Lake it would be advisable to camp on one of the many small lakes on the mountain itself.

A large very rusty cirque dominates the mountain top to the south of Wade Lake. The rusty zones continue along the mountain to the east, within the intrusive body. The rusty colour is due to brown to almost black sphalerite which occurs in calcite veins within the feldspar porphyry intrusion. Small cubic crystals of sphalerite were also observed coating fracture surfaces. The closely spaced veins from a few mm's to several cms wide brecciate the host rock. Sample 27845 from the cirque is an excellent example of the existing mineralization.

The feldspar porphyry within the cirque appears to be the most highly mineralized. It is in fault contact with layered sediments ~~in~~<sup>in</sup> the western ~~part~~<sup>section</sup>. However, the rusty sphalerite zone does not continue very far within the sediments but does continue within the intrusion which forms a circular plug to the east. The fault appears to be ~~cut~~<sup>by</sup> the King Salmon Fault but if it has a role in the mineralizing process, ~~there~~<sup>it</sup> is <sup>not</sup> directly evident. Also, the sediments east of the intrusive plug are not mineralized. The fault intersection shown on the G.S.C. map to the south of the area does not appear to have been a controlling factor.

There was evidence of very recent exploration in and around the cirque. Footprints in the snow were very fresh (probably one week old). Since the cirque contained the best mineralization it was felt that four 2-post claims should be staked to cover this

area to protect it in the event that the samples were anomalous. If results are favourable a much larger mineral claim should be staked to cover the entire quartz-feldspar porphyry intrusion south of Wade Lake. The 2-post claims should only be recorded if results are favourable and there is activity in the area by other prospectors. The following information was recorded on the INITIAL tags within the rock cairns that were erected:

524288	524287	524289	524290
INITIAL POST	.....	.....	.....
WADE 1	WADE 2	WADE 3	WADE 4
J. PAUTLER	.....	.....	.....
JUNE 22/81	.....	.....	.....
DIR. 80°	.....	.....	.....
DIST: 1500'	.....	.....	.....
DIST TO RT: 1500'	0'	1500'	0'
DIST TO LT: 0'	1500'	0'	1500'

The claims along with sample locations are shown on FIG. 1. FIG. 2 also shows sample locations.

The diorite to the NW was investigated with no positive results. Some of the diorite (?) contained minor pyrite within altered shear zones. The feldspar porphyry / sediment contact near the diorite contained minor quartz veins which were sampled.

A bright rusty orange hill resembling the Heart Peaks Fm. <sup>at a distance,</sup> was investigated at

the NE end of the long ridge (SE of Wade Lake), on air photo BC 5614 021. The south end of the hill is adjacent to the large winding river SE of the ridge. The soil around the rusty hill is quite extensively ~~is~~ rusty brown. The hill consists of altered and brecciated argillaceous type sedimentary rocks. The calcite vein breccia filling is present throughout the visible rock outcrops. There are two calcite veins up to 15 cms. wide. There is no evident sphalerite but there was a reddish tinge to the rocks. The mineral is not identifiable.

### Conclusion:

The main area of interest is the rusty cirque south of Wade Lake and the entire feldspar porphyry intrusion which forms a circular plug to the east of the cirque. The sphalerite-calcite veins are present ~~are~~ throughout the cirque and in a large part of the intrusion. The 2-post claims that were staked cover only a small part of the mineralized area, thus if results are anomalous a much larger mineral claim should be staked to cover the entire intrusion. The 2-post claims were only staked to cover the best mineralized area in the event that the prospector(s) who were here earlier returned to claim it. Thus, they should only be recorded

if activity is known in the area and the results are anomalous.



SAMPLER J. Pautler

PROJECT Newex

NTS 104K / 9W

DATE June 18 - June 25, 1981

LINE Wade Lake area

AIR PHOTO NO. BC 5614 023

SAMPLE NO.	LOCATION	Depth (cm)	Horiz	DESCRIPTION				SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS		
				Colour	Part Size	% ORG.	Ph				Au	As	Zn
B-1	S. of Wade Lk.	-	B	med. Brown	med.	25%		moderate	small sparse	on edge of snow filled gully	0.1	22	135
BT-2	W side top of cirque	-	B	"	"	5		gentle - moderate	none	near MTTI-64 below rusty calcite veined sed. rock	0.1	6	114
B-3	top of cirque	-	B	"	Coarse	7		flat	bush, moss	intensive fsp porphyry blds.	0.1	6	95
BT-4	S of Wade	-	B	slightly rocky rusty Or-Br	med	5		mod.	moss	rusty calcite veined porphyry, minor sphal. talus	0.1	9	118
B-5	NW of Wade Lake	-	B	med-br	"	10		"	burnt out - 2nd growth	burnt out area; exposed by windfall along stream valley near porph/sed boundary	0.1	6	74
B-6	NW of Wade	-	B	red-br	"	5		"	2nd growth	burnt out area NW side of stream bank.	0.1	7	42
B-7	"	-	B	Or-Br	"	12		"	grass alder	burnt out area rusty intrusive blds	0.1	11	105
B-8	"	-	B	med-Br	"	7		steep	grass	fsp. porph w/ rusty ct veins	-	-	-
BT-9	bottom of cirque	-	B	"	coarse	2		steep	-	rusty sphal-ct veined porph below cliff	0.1	5	54
BT-10	"	-	B	"	"	5		"	-	" " closer to waterfall	0.1	6	48
BT-11	"	-	B	reddish-br	v. coarse	22		v. steep	-	just w of fault below v. rusty part of cirque	0.1	14	114
BT-12	S of Wade	-	B	rich med-br	med-coarse	2		steep	-	rusty fsp porph w/ ct + ct-sphal veins in talus	0.1	12	120
B-13	large gully SE of Wade	7	B	reddish br	med-fine	7		mod.	-	E bank of lge gully rusty fsp porph intrusive etc	0.1	9	78
BT-14	highest peak to S.	-	B	chestnut Br	med	7		steep	grass	rusty ct-sphal veins in fsp porph talus	0.1	36	240
BT-15	"	-	B	dep Br	med-fine	22		"	"	mildly rusty talus	0.1	17	58
B-16	"	-	B	Or-Br	fine	5		mod	-	mildly rusty talus	0.1	9	134
B-17	edge of cirque/lake	-	B	rusty Br	v fine	5		flat	spring shrubs	above rusty cliff in cirque w/ rusty ct-sphal veins	0.1	11	135
B-18	near FINAL post WADE 3+4	-	B	rusty Or-Br	med	3		mod-gentle	bush grass	below well jointed fsp porph	0.1	5	102

81-

Au <10  
Au <10  
Au <10

or





SAMPLER Hughes

PROJECT NEWEX - WADELAKE

NTS 104K/9W

DATE June 24/81

LINE Wade Lake

AIR PHOTO NO. BC 5614 023 and 021

SAMPLE NO.	LOCATION	Depth (cm)	Horiz	DESCRIPTION				SLOPE	VEG.	ADDITIONAL OBSERVATIONS OR REMARKS	ASSAYS		
				Colour	Part Size	% ORG.	Ph				Ag	As	Zn
81NX B-300		20cm	B	rusty brick red			wet	no trees	- burnt area	0.1	10	98	
BT-301		15cm	B	rusty brown pebbly			dry	no trees	burnt area	0.1	5	120	
B-302		10cm	B	dk rusty brown			dry	no trees	- rusty calcite veined porphyry	0.2	6	280	
B-303		15cm	B	rusty brown			dry	no trees	- burnt area - hill at NE end of long ridge (SE of Wade Lake)	0.1	19	84	
B-304		12cm	B	dk rusty br.			dry	no trees	- on same hill as B-303	0.1	41	230	
B-305		15cm	B	rusty brown			dry	no trees	- one hill SW of hill on which B-303 was taken	0.1	6	100	
B-306		10cm	B	- rusty orange brown			dry	no trees	- near large snow drift.	0.1	6	150	
BT-307		10cm	B	rusty brown			dry	no trees	- SE side of ridge - looking at big flat valley	0.1	4	90	
B-308		10cm	B	rusty brown sandy			dry	no trees	- beside snow patch near E-W valley, at top of ridge	0.1	6	104	
B-309		15cm	B	rusty orange br.			dry	no trees	- in centre of E-W valley near top of ridge (SE of Wade Lake)	0.1	7	140	
B-310		10cm	B	rusty orange brown			dry	no trees	- on side of main gully - near where gully starts to bend	0.1	6	105	

Office

**CHEMEX LABS LTD.**

212 Brooksbank Avenue  
North Vancouver, B.C., Canada V7J 2C1

Tel: 985-0648  
Telex: 435-52547

**SAMPLE SHIPMENT NOTICE**

From : J. Pantler, General Del. ATLIN, BC V0W 1A0  
 Date shipped : JUNE 25/81  
 Via : ?  
 Results to : J. Pantler General Del. ATLIN, BC V0W 1A0  
 Charge : P.O. Stephen, 1458 Rupert St., N. Vanc., BC  
 J.C. Stephen Expl.  
 Project : Newex

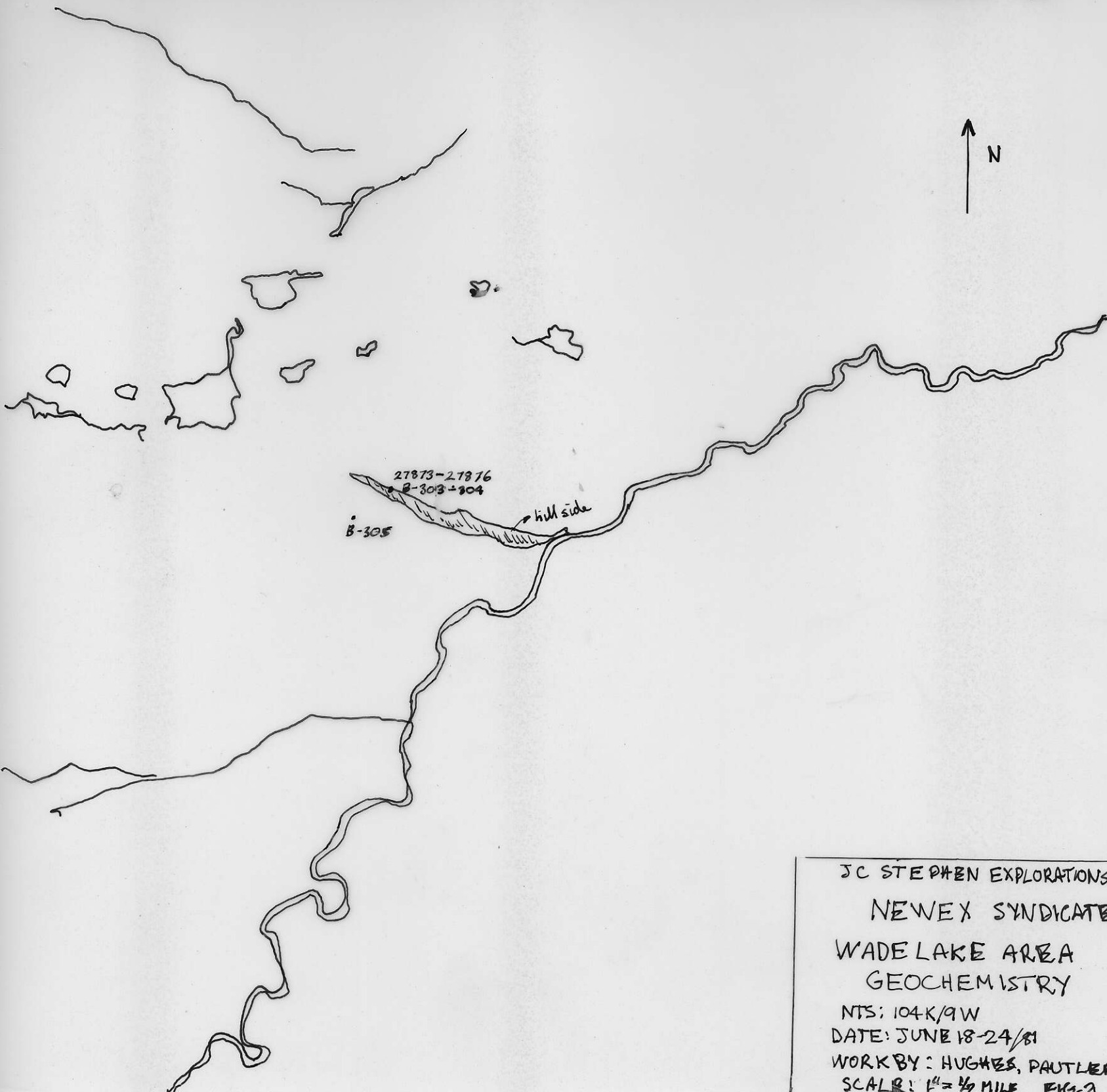
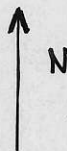
Please indicate

Assay (%)	2 samples
Geochem (PPM)	✓

Sample No.	Location	Type	Please indicate				
			Mo	Aa Cu	As Pb	Zn	Ag
27870C - 27878 C	9 samples	rock			✓	✓	✓
27838 C		geochem			✓	✓	✓
27839 C to 27841 C	3	"	✓	✓	✓	✓	✓
27842 C	1	"	✓		✓	✓	✓
27843 C + 27845 C	2	rock ASSAY				✓	✓
27844, 27846-27847 C	3	rock geochem			✓	✓	✓
TOTAL		19	ROCK SAMPLES.				

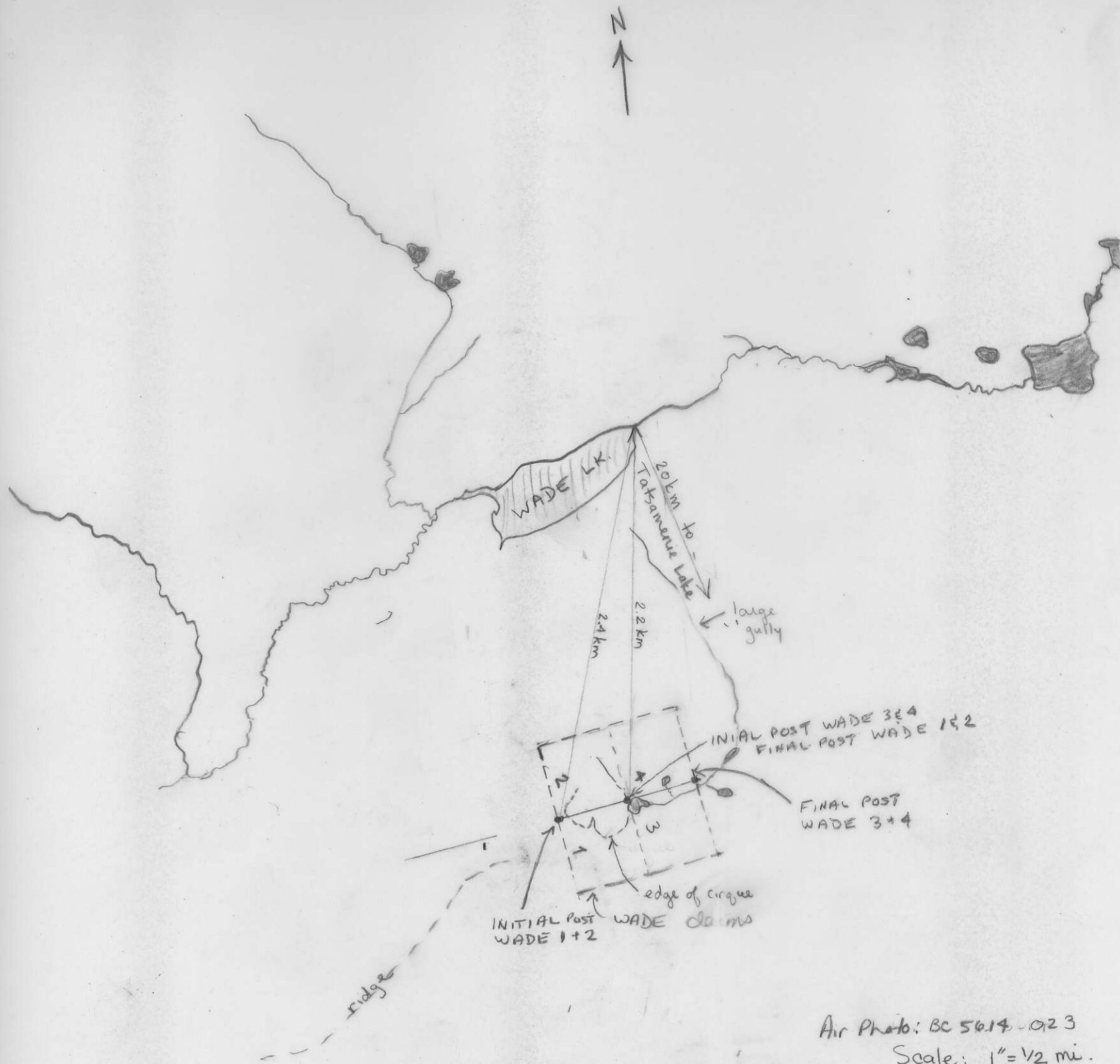


JC STEPHEN EXPLORATION  
 NEWEX SYNDICATE  
 WADE LAKE AREA  
 GEOCHEMISTRY  
 MTS: 104K/9W  
 DATE: JUNE 18-24/81  
 WORK BY: PANTLER, HUGHES  
 SCALE 1" = 1/2 MILE FIG. 1



JC STEPHEN EXPLORATIONS  
NEWEX SYNDICATE  
WADE LAKE AREA  
GEOCHEMISTRY

NTS: 104K/9W  
DATE: JUNE 18-24/81  
WORK BY: HUGHES, PAUTLER  
SCALE: 1" = 1/2 MILE FIG. 2



Air Photo: BC 5014-023  
 Scale: 1" = 1/2 mi.