DRILLING: SG ZONE - HOLE 93-417

NORTH BRUCE GROUP
Sulphurets Project

Skeena Mining Division

Latitude: 56°20'N
Longitude: 130°10'W
NTS: 104B/8

OWNER: Newhawk Gold Mines Ltd.
and Granduc Mines Limited

OPERATOR: Newhawk Gold Mines Ltd.
860 - 625 Howe St.
Vancouver, B.C. V6C 2T6

REPORT BY: David A. Visagie, B.Sc., P.Geo.

November 15, 1993

Distribution:
2 - Government
2 - Newhawk

SU93-430.30

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1.0 INTRODUCTION

The North Bruce claim group is situated within the "Golden Triangle" of north-western British Columbia. The group is part of Newhawk Gold Mines Ltd. and Granduc Mines Limited's Bruceside property, commonly referred to as Sulphurets. It occurs immediately to the north of the Newhawk/Granduc Mines' South Bruce Group to the south of Newhawk Gold Mines' Snowfield property. The North Bruce group is underlain by Lower Jurassic Hazelton Group rocks consisting of andesitic flows and tuffs along with intercalated sediments that have been intruded by quartz diorite-granodiorite plugs. Previous exploration programs on the North Bruce group, located several zones of quartz vein hosted gold-silver mineralization that occur in association with quartz-sericite-pyrite altered Hazelton Group rocks. The most noteworthy of these zones is the SG. In 1993 the SG zone was drill tested by 7 holes totalling 874.4 metres. Of these holes, hole 93-417 totalling 188.4 metres in length drilled between July 31 and August 1, 1993 is hereby being filed for assessment purposes. The hole including drilling, core logging, splitting and surveying required 22 mandays of labour. As a result 41 samples were taken from the hole and sent for assay.

2.0 LOCATION AND ACCESS (Figures 1 & 2)

The property is located within the Coast Range Mountains of northwestern B.C., some 65 kilometres northwest of the village of Stewart approximately 920 kilometres northwest of Vancouver, B.C. It is centred at 130°10'W, 56°20'N occurring on NTS sheet 104B/8.

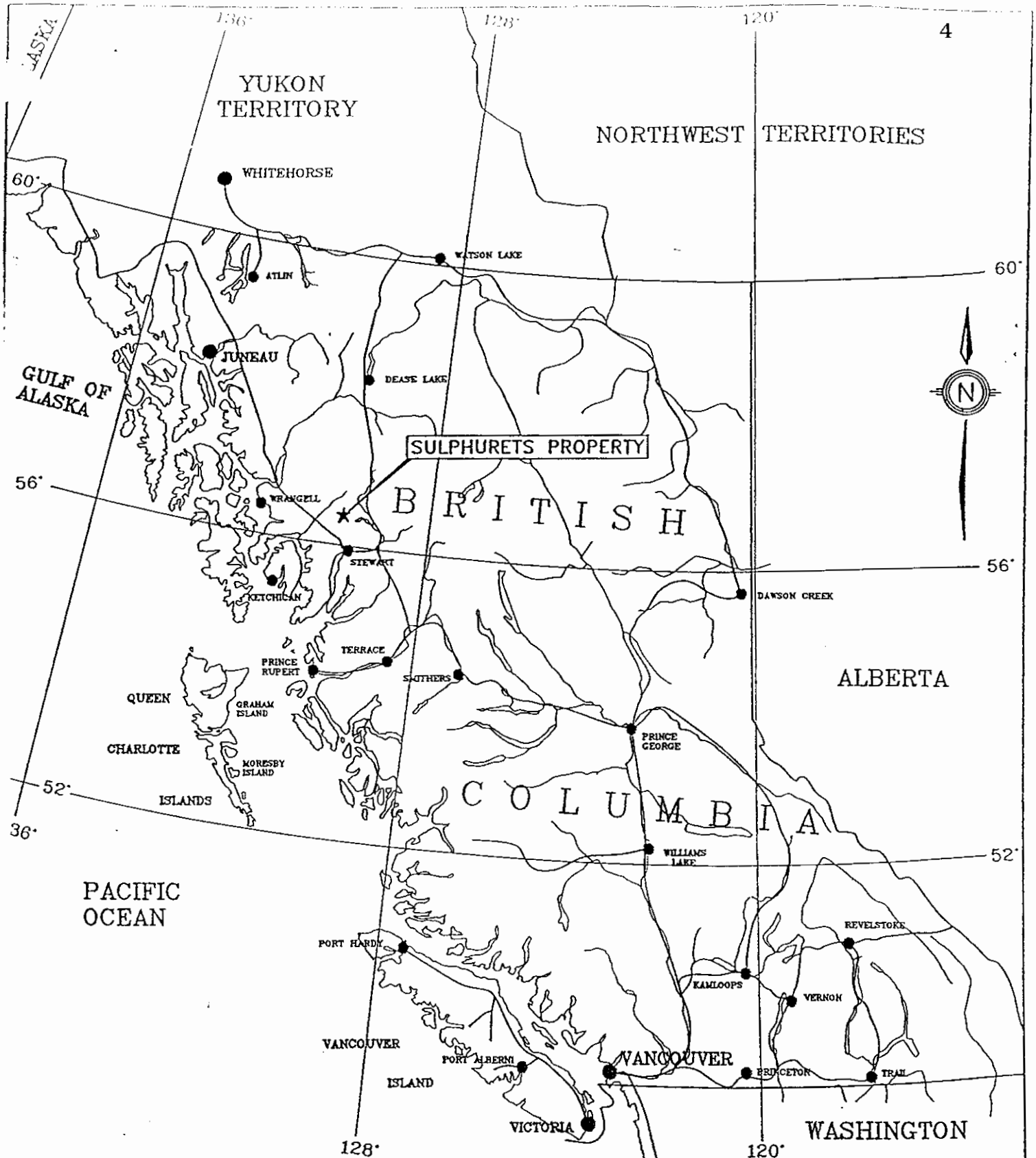
For access purposes supplies were mobilized from Stewart to the Tide Lake airstrip, 35 kilometres to the south then ferried to the property by helicopter. During the summer, a Huges 500D helicopter operated under contract from Vancouver Island Helicopter was used for all crew and drill moves.

3.0 PROPERTY DESCRIPTION (Figure 3)

The North Bruce Group is comprised of the following claims:

Claim Name	Record #	Units	Expiry Date
Red River 7	250986	4	June 30, 2003
Tedray No. 12	250388	15	Aug 26, 2003
Tedray 21	250990	2	June 30, 2003
Tedray 22	251066	8	Oct 6, 2003
OK# 5	251284	8	Dec 10, 2003
Red River 50	254205	2	June 29, 2003
Red River 53	254208	14	July 4, 2003
Malone	313089	6	Sept 9, 2003
Malone 2	313090	4	Sept 5, 2003
Malone Fr.	313087	1	Sept 10, 2003
Tedray Fr.	313084	1	Sept 9, 2003
Goldwedge #3	251512	6	Sept 3, 2003

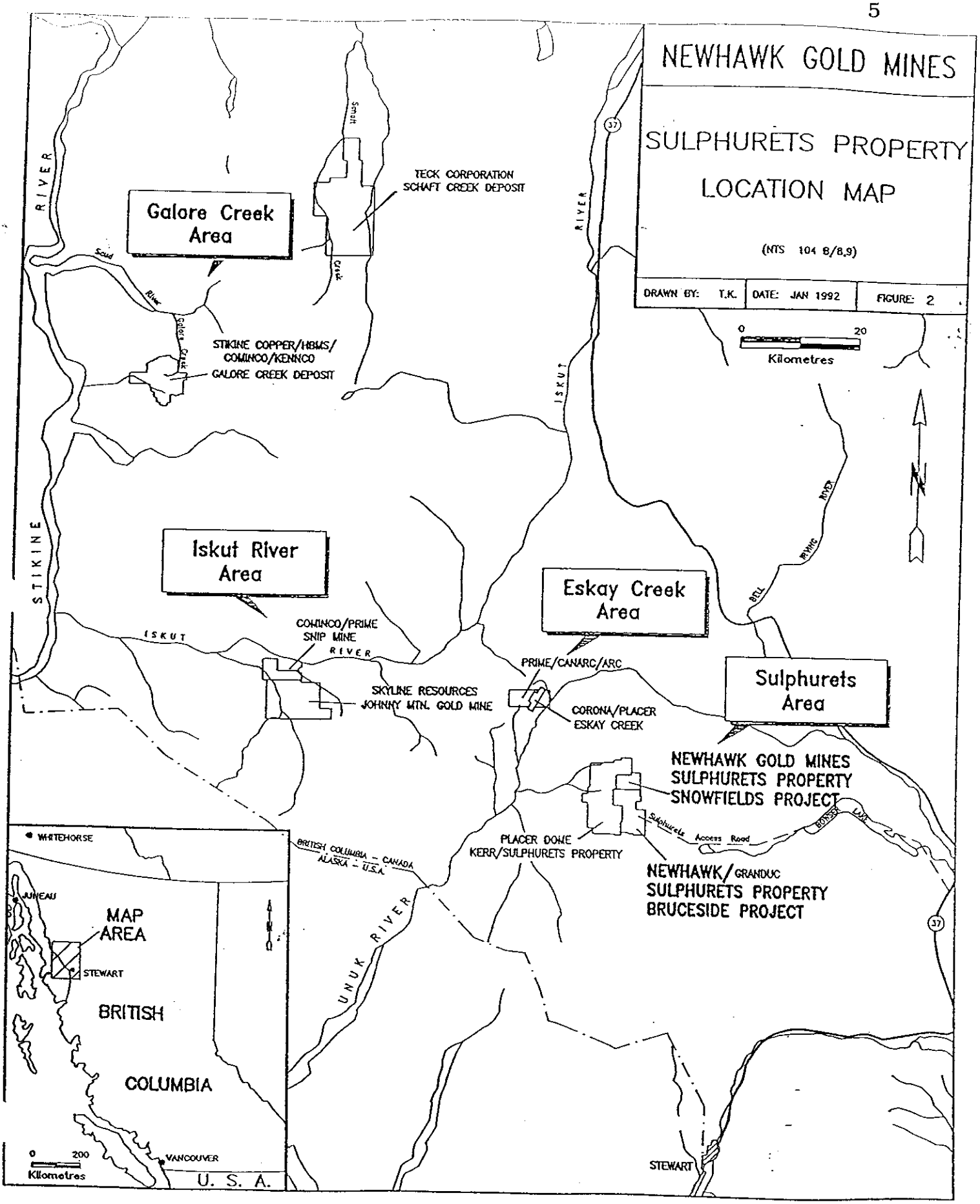
The claims occur within the Skeena Mining Division and are 60% owned by Newhawk Gold Mines with the remaining 40% being held by Granduc Mines. Newhawk is the project operator.

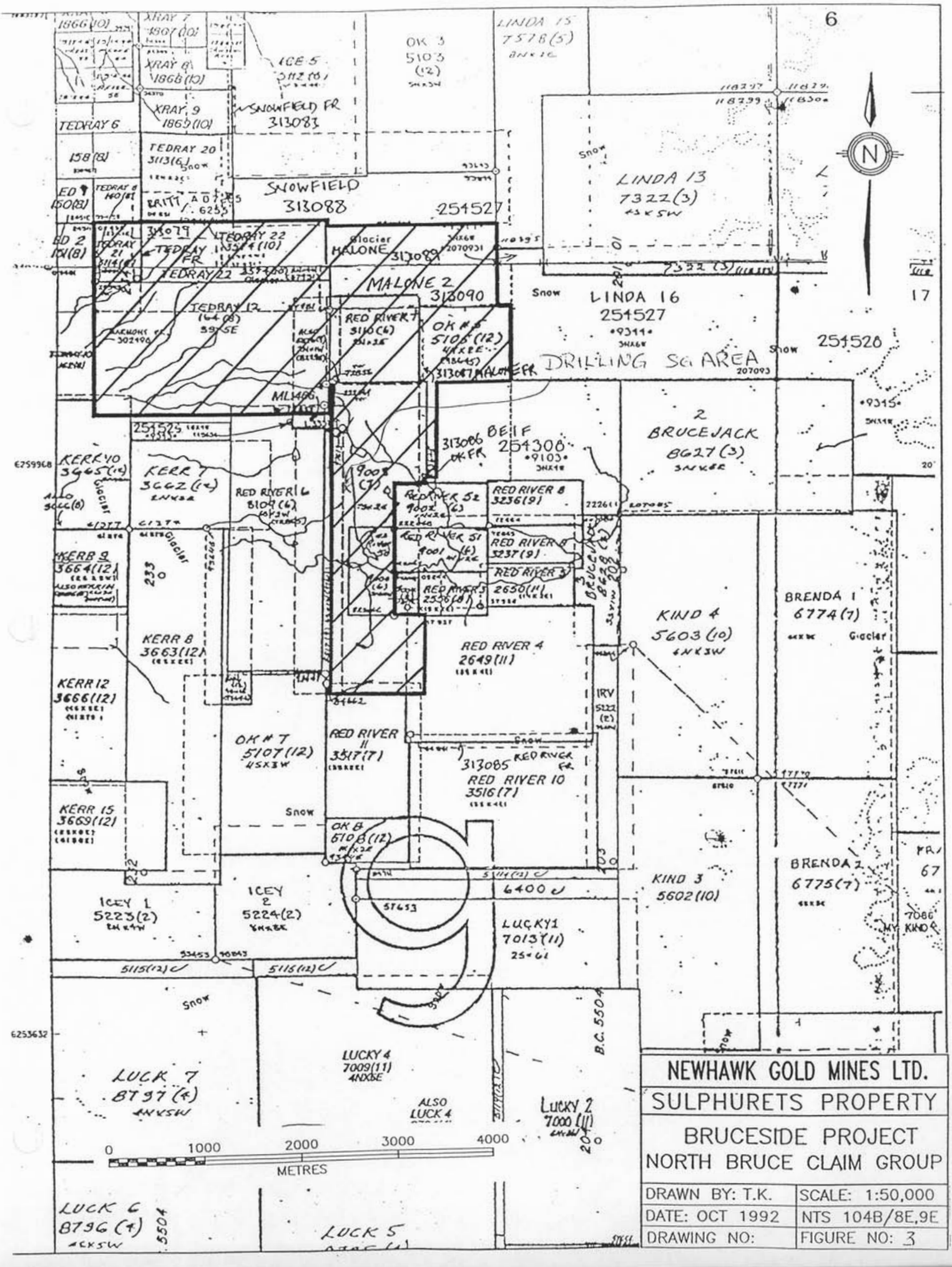


NEWHAWK GOLD MINES

SULPHURETS PROPERTY LOCATION MAP

DRAWN BY: T.K.	FIGURE NO: 1
DATE: MARCH/1992	SCALE:


NEWHAWK GOLD MINES
SULPHURETS PROPERTY
LOCATION MAP
(NTS 104 B/8,9)
DRAWN BY: T.K.
DATE: JAN 1992
FIGURE: 2
0 20
Kilometres
Galore Creek Area
TECK CORPORATION
SCHAFT CREEK DEPOSIT
STIKINE COPPER/HBMS/
COMINCO/KENNCO
GALORE CREEK DEPOSIT
Iskut River Area
Eskay Creek Area
Sulphurets Area
COMINCO/PRIME
SNIP MINE
SKYLINE RESOURCES
JOHNNY MTN. GOLD MINE
PRIME/CANARC/ARC
CORONA/PLACER
ESKAY CREEK
NEWHAWK GOLD MINES
SULPHURETS PROPERTY
SNOWFIELDS PROJECT
PLACER DOME
KERR/SULPHURETS PROPERTY
NEWHAWK/GRANDUC
SULPHURETS PROPERTY
BRUCESIDE PROJECT
STIKINE RIVER
ISKUT RIVER
UNUK RIVER
BELL IRVING RIVER
Sulphurets Access Road
BOWSER LAKE
BRITISH COLUMBIA - CANADA
ALASKA - U.S.A.
WHITEHORSE
JUNEAU
MAP AREA
STEWART
BRITISH COLUMBIA
VANCOUVER
U. S. A.
0 200
Kilometres
STEWART



NEWHAWK GOLD MINES LTD.	
SULPHURETS PROPERTY	
BRUCESIDE PROJECT NORTH BRUCE CLAIM GROUP	
DRAWN BY: T.K.	SCALE: 1:50,000
DATE: OCT 1992	NTS 104B/8E,9E
DRAWING NO:	FIGURE NO: 3

4.0 PHYSIOGRAPHY AND VEGETATION

The topography of the Sulphurets property is typical of the Coast Range Mountains with steep glaciated U-shaped valleys being the norm. Elevations range from 1070 metres at Sulphurets Glacier to in excess of 1830 metres on some of the mountain ranges. Extensive ice-fields are common throughout the property.

Winters tend to be severe with extensive snowfall and winds while summers tend to be cool and wet. Most of the snowfall occurs between mid-February and mid-April.

Vegetation throughout the property is varied with spruce and fir trees occurring at the lower elevations while lichens, mosses and scrub timber dominate the uplands.

5.0 PROPERTY HISTORY

Exploration in the area dates back to the 1880's when placer gold was located in Sulphurets Creek. In 1935, copper-molybdenum mineralization was located in the vicinity of the Main Copper showing. Until 1959 the property was intermittently evaluated. In 1959, gold and silver values were located in the Brucejack Lake area. Granduc Mines, as a result of this work, staked the main claim area in 1960. Follow-up work included an airborne magnetometer survey, a few ground follow-up magnetometer lines and reconnaissance geology. As a result, copper mineralization was located along the Mitchell-Sulphurets Ridge while gold and silver values were discovered at the base of the Iron Cap area.

In 1961, Granduc drilled 224 metres of packsack core in 32 holes at four locations to test the extent of the known copper showings. Additional prospecting resulted in the discovery of gold/silver mineralization in the Hanging Glacier area and molybdenite on the south side of Mitchell Glacier. In 1962, two diamond drill holes, totalling 611 metres in length, tested molybdenum mineralization in the Quartz Stockwork Zone. In 1968, Granduc drilled 1016 metres in six holes on the Main Copper Zone and mapped the area below the Hanging Glacier. In 1970, plane table mapping was carried out from the Hanging Glacier to the south edge of the Mitchell Glacier. Granduc in 1974/75 carried out bedrock geochemical sampling and geological reconnaissance and prospecting throughout much of the property.

In 1980, Esso Minerals optioned the property from Granduc and subsequently completed between then and 1985, an extensive program consisting of mapping, trenching, geochemical sampling that resulted in the discovery of several showings including Snowfields, Shore, West and Galena. Esso surrendered its interest in 1985.

In 1985, Newhawk Gold Mines optioned the property from Granduc. Since then it has completed several evaluation programs mainly on the West Zone.

6.0 REGIONAL GEOLOGY (Figure 4)

The Bruceside property occurs within Stikine Terrane. It is underlain by Upper Triassic and Lower to Middle Jurassic Hazelton Group volcanic, volcaniclastic and sedimentary rocks. The lithostratigraphic assemblage as compiled by Kirkham (1963), Britton and Alldrick (1988), Alldrick and Britton (1991) and Kirkham et al (in preparation) consists (from oldest to youngest) of alternating siltstones and conglomerates (Lower Unuk Formation); alternating intermediate volcanic rocks and siltstones (Upper Unuk Formation); alternating conglomerates, sandstones, intermediate and mafic volcanic rocks (Betty Creek Formation); felsic pyroclastic rocks and flows, including tuffaceous rocks ranging from dust tuff to tuff breccias and localized welded ash tuffs (Mount Dilworth Formation); and finally alternating siltstones and sandstones (Salmon River and Bowser Formations).

At least three intrusive episodes occur in the area: intermediate to felsic plutons that are probably coeval with volcanic and volcaniclastic supracrustal rocks; small stocks related to Cretaceous Coast Plutonic Complex rocks and minor Tertiary dykes and sills. Stikine Terrane rocks are thought to be part of an island arc sequence that extends from south of Stewart near Anyox, north to the Iskut River for a distance of 150 km.

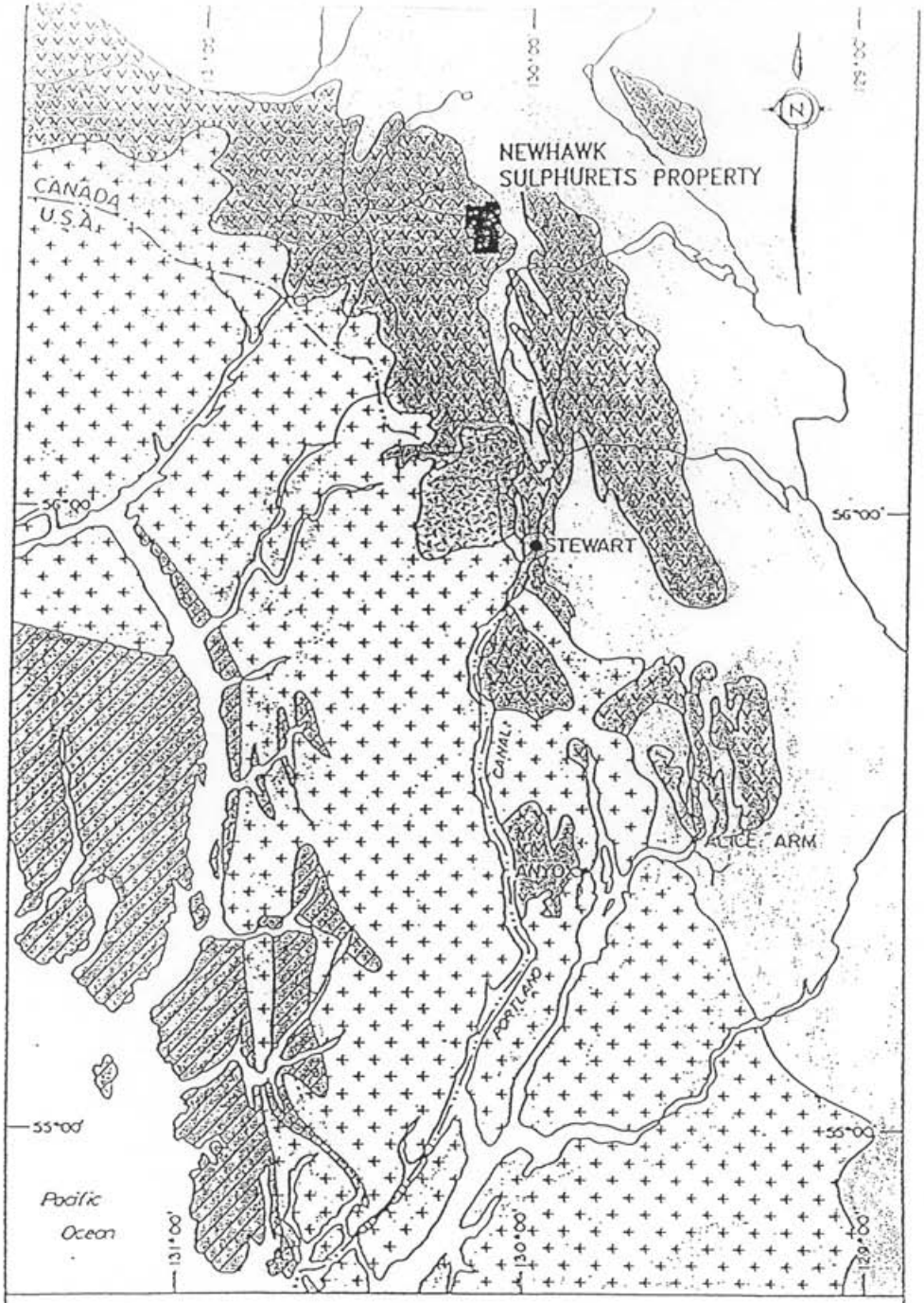
Folding is commonly exhibited throughout the Hazelton Group rocks with the andesitic tuffs and flows south east of Brucejack Lake being gently warped while Salmon and Bowser Formation rocks tend to be tightly folded. Faulting is common throughout the area with north striking steep normal faults (eg. Brucejack) and west dipping thrusts (eg. Sulphurets, Mitchell).

7.0 PROPERTY GEOLOGY (Figure 5)

The Bruceside property is comprised of both the North and South Bruce claim groups. Mapping has shown the Bruceside property to be underlain by a thick sequence of Lower to Middle Jurassic volcanic and sedimentary rocks of the Hazelton Group that have been intruded by plutons of sub-alkaline composition. This complex has been folded and faulted and is now elongated in a northerly direction. It is bounded to the west by the Coast Crystalline complex and to the east by Bowser Basin sediments.

The oldest rocks on the property are Lower Sediments, reported to have a minimum thickness of 1500 metres, consisting mainly of argillites, siltstone and cherts along with minor amounts of wackes, arenites, tuffs and trachytes. Younger pyroclastic rocks, that range from fine tuff to breccias, are evidence of a major volcanic event in the area. These sometimes contain blocks greater than one metre in size and occur in a northerly trending elongate zone through the central part of the area. Most of the pyro-clastics are of andesitic composition and have been subjected to varying degrees of alteration. These altered tuffs and breccias are host for most of the vein deposits in the Stewart area and are the most favourable host rocks on the Sulphurets property.

The Upper Sediments consist of an extensive sequence of black shales and argillites that are similar in character to the Lower Sediments.



LEGEND

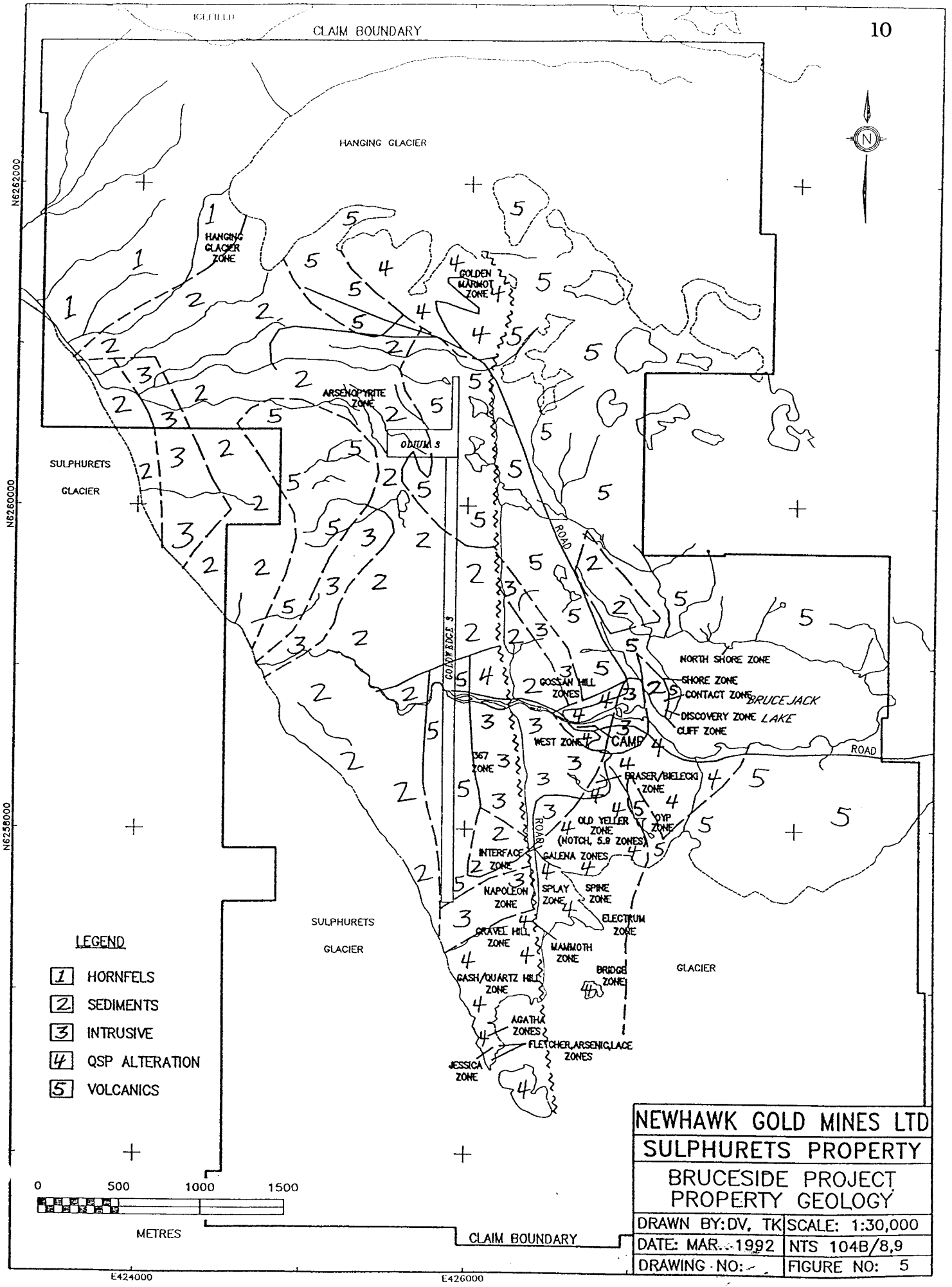
- LOWER - MIDDLE JURASSIC BOWSER ASSEMBLAGE
- UPPER TRIASSIC - LOWER JURASSIC TEXAS CREEK INTRUSION
- UPPER TRIASSIC - LOWER JURASSIC TAKLA & HAZELTON ASSEMBLAGE (STEWART COMPLEX)
- CRETACEOUS - TERTIARY COAST RANGE INTRUSIONS
- WRANGELL METAMORPHIC BELT (UNDEFINED AGE)

REGIONAL GEOLOGY OF THE STEWART - ANYOX AREA

20 0 0 20 40 60 kilometres

Figure (after Dykes et al, 1988)

FIGURE 4



NEWHAWK GOLD MINES LTD	
SULPHURETS PROPERTY	
BRUCESIDE PROJECT PROPERTY GEOLOGY	
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DATE: MAR. 1992	NTS 104B/8,9
DRAWING NO:	FIGURE NO: 5

The volcanic-sedimentary sequence is cut by numerous elongated, sub-parallel northerly trending, late stage intrusive plutons that are probably of Mid-Jurassic age. These intrusives range from diorite to granite in composition and appear to be sub-alkaline. The emplacement of these plutons appears to be related to faulting and associated intense alteration, silicification and mineralization. Sericite and pyrite are the most abundant alteration minerals with other assemblages locally dominated by-feldspar, chlorite and propyllitic minerals. Some clay alteration minerals have also been recognized in the Brucejack Lake Zones. Porphyry copper-gold mineralization occurs in the northern and central parts of the property and is often associated with K-spar and sericitic alteration. Structurally controlled gold/silver bearing veins occur mainly in volcanic rocks within a one kilometre wide zone of intense predominantly sericitic alteration. The veins consist of quartz, minor calcite, and trace to 20% sulphide minerals. These range from simple single veins to complex vein zones and stockworks. Sulphides within these veins consist of pyrite, sphalerite, galena, tetrahedrite, electrum and chalcopyrite along with argentite, pyragerite and polybasite.

The SG Zone consists of a dominant west trending sinoidal shaped zone of quartz veining, stockwork and breccia (Genevieve) and at least two southeast trending splays (Spiff and Bart). The Genevieve Zone has been traced along strike for 260 metres with widths variable to 12.60 metres. It is cut-off to the east by the Brucejack Fault while to the west it is open along strike. Channel cuts located across the zone identified a 155 metre long section that averages 0.280 opt Au with 0.95 opt Ag over an anverage width of 3.00 metres.

8.0 1993 WORK PROGRAM

The purpose of the 1993 program was to drill test an 80 metre segment of a channel sampled section of the SG Zone at down-dip depths ranging from 25-120 metres. To complete this program 7 drill holes, totalling 874 metres in length were drilled of which only hole, 93-417, is being filed for assessment. Hole 93-417, 188.4 metres in length, was located to intersect 90 metres down-dip the projection of a drill intercept averaging 0.205 opt Au, 0.22 opt Ag over 5.0 metres. The drilling was completed by F. Boisvenu Drilling of Delta, B.C. using a JKS 300 drill. Newhawk's camp at Brucejack Lake was used for the housing of the crew during the program. The mobilization of the crew and drill to the drill site was completed using a Hughes 500 D helicopter chartered from Vancouver Island Helicopters. All core was logged on site while the core samples were assayed at Westmin's Premier Mine located near Stewart, B.C.

Newhawk personnel involved in the work program inculded:

D. Visagie, Geologist
B. Kinney, Labourer
T. Kirby, Geological Technician

8.1 Drilling

Drilling on the North Bruce Group was completed using two ten hour shifts. Prior to drilling, the site for 93-417 was prepared by Boisvenu personnel. Upon completion the drill collar was surveyed by Newhawk personnel. The core was flown daily to the Brucejack campsite to be logged and split. It is presently stored on site at the Newhawk core library located above the camp.

8.2 Geochemistry

A) Field Procedure

Selected drill core was split into measured lengths, generally between 0.50 and 1.50 metres using a core splitter. All samples were stored in plastic bags, identified, dried when necessary then sent for analysis at Westmin Mines' Premier Mine site.

B) Assay Procedure

All of the samples were prepped to a pulp stage and assayed for gold and silver at Westmin's Premier Mine site assay lab located near Stewart. The following is an outline of the preparation and assay procedure.

i) Preparation

The sample is dried then crused to 1/4" or finer and riffled to a 250 gram size. This sub-sample is then ring pulverized to approximately -100 mesh.

ii) Assaying

All samples were fire assayed for gold and silver with a gravimetric finish on a 1/2 assay ton sample being completed.

9.0 DRILL RESULTS AND INTERPRETATION

The purpose of drilling hole 93-417 was to test the SG Zone approximately 90 metres below a drill intercept, that assayed 0.205 opt Au, 0.22 opt Ag over 5.0 metres, located at the 1500m elevation level. Hole 93-417 showed variably quartz-sericite-pyrite altered andesitic tuffs and flows to occur in fault contact with argillite. Within both rock types narrow zones of quartz veining and stockwork occur. The projection of the SG Zone to depth co-incides with a 9.1 metre section of weak (15-20%) quartz vein stockwork that assayed 0.058 opt Au, 0.10 opt Ag over 7.5 metres. In general anomalous, >0.010 opt Au, values occur in association with weakly veined sections throughout the hole. The drill log for hole 93-417 is located in Appendix 1 while the assay results are located in Appendix 2. The drill hole location is plotted on Figure 6 while Figure 7 is the drill section.

10.0 SUMMARY AND CONCLUSIONS

Hole 93-417, 188.4 m in length, was drilled to test, 90 down dip, the possible extension of a 5 metre section averaging 0.205 opt Au with 0.22 opt Ag located previously by drilling. While intersecting similar lithology the hole failed to locate any significant sections of gold mineralization. A 9.1 metre section of weakly developed quartz vein stockwork co-inciding with the projection of the SG Zone includes a 7.5 metre section averaging 0.058 opt Au with 0.10 opt Ag. This section is sub-economic. It appears that in the area drilled by hole 93-417 the SG Zone is poorly developed. If the zone occurs at depth it is to the west where there has been no testing by drilling.

11.0 RECOMMENDATIONS

It is recommend that no drilling be completed down-dip from hole 93-417. If drilling is to be completed it should be undertaken to the west where the zone has not been tested to determine whether the SG Zone plunges in this direction.

13.0 STATEMENT OF COSTS

i) Labour Costs **Total: $1,630.00**

D. Visagie, Geologist	July 30 - Aug. 1	3 days @ $315/day
B. Kinney, Labourer	July 30 - Aug. 1	3 days @ $165/day
T. Kirby, Technician	Aug. 1	1 day @ $190/day

ii) Room & Board **Total: $2,200.00**

22 man-days @ $100/day
includes: M. Chandler, Pilot 3 days
Boisvenue Drill crew 12 days

iii) Helicopter Support **Total: $3,920.00**

Date	*Hours*
July 30	4.0 hours
July 31	0.6 hours
August 1	1.0 hours
Total	5.6 hours @ $700/hour

iv) Drill Cost **Total: $19,447.00**

152.4 m @ $ 49.2/m
36.0 m @ $ 54.1/m

v) Assaying **Total: $553.50**

41 samples @ $13.50/sample

vi) Supplies **Total: $500.00**

includes core boxes, sample bags, tape etc.

vii) Communications **Total: $600.00**

Spacetel Rental Pro-rated @ $200/day

viii) Report **Total: $ 2,000.00**

includes writing, drafting, xeroxing, supplies etc.

SUB TOTAL **$20,850.50**

ix) Management (10%) **Total: $ 2,085.05**

TOTAL **$22,935.55**

14.0 STATEMENT OF QUALIFICATIONS

I, D.A. Visagie of 860 - 625 Howe Street, Vancouver, British Columbia, do hereby declare that:

1. I graduated from the University of British Columbia with a Bachelor of Science Degree, majoring in Geology, in 1976.

2. I am a registered member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

3. I have been steadily employed in the mining industry since 1976 and have been employed by International Northair Mines Ltd. as Senior Geologist since January 1990.

4. The work undertaken on the North Bruce group was under my supervision.

Dated at Vancouver, British Columbia, this 15th day of November, 1993.

APPENDIX 1

SAMPLE DESCRIPTIONS

THE NORTHAIR GROUP

NEWHAWK GOLD MINES LTD.

Diamond Drill Hole Record

SULPHURETS PROPERTY

DEPTH	BEARING	DIP	SURVEY TYPE	ZONE: SG	LENGTH: 188.4	HOLE NO.: 93-417
COLLAR	190	-60	Compass	CLAIM: Red River 53	CORE SIZE: BQTK	SHEET NO. 1 of 6
-61.00	—	-61	Acid	LATITUDE: 3716 N	RECOVERY: 795%	LOGGED BY: D. Visagie
-130.5	—	-60	Acid	DEPARTURE: 3424 E	STARTED: July 30, 1993	SAMPLED BY: B. Kinney
-188.4	200°	-59	Tropari	ELEVATION:	COMPLETED: Aug 1, 1993	PURPOSE: Test SG

Interval (meters) From	To	Rock Type	Geologic Description	From	To	Alteration SIL	CHLOR	SER	CARB	Mineralization % Py	% Cp	% Mag	% Mo	Assay Data Sample	From	To	Int	Au opt	Cu %	Au check	Cu check	Ag opt	Mo %	Core Data RQD %	Run	Recovery %
0	1.5		Casing																							
1.5	4.2	ANAT	ANDESITIC LAPILLI TUFF fine - med grained - green colored matrix in which darker green colored fragments up to 2 cm in size occur, weak outline of plag x-tals t/a. Frags tend to be weakly - moderately pyritic Fractures are irregular 0 30° to ca and are chlorite lined on occasion. Unit becomes less fragmental from 3.9-4.2																						
4.2	4.6	ANTF	ANDESTIC TUFF Fine grained pale green - green colored matrix minor fragmentation with fragments being less than 1 cm in [illegible] or possible alignment of matrix @ 50° to ca																						

NEWHAWK GOLD MINES LTD.
SULPHURETS PROPERTY

Hole No. 593-417

Page 2 of 6

Interval (meters) From	To	Rock Type	Geologic Description	From	To	Alteration SIL	CHLOR	SER	CARB		Mineralization % Py	% Cp	% Mag	% Mo		Assay Data Sample	From	To	Int	Au opt	Cu %	Au check	Cu check	Ag opt	Mo %	Core Data RQD %	Run	Recovery %
11.6	5.0	ANTF	ANDESITIC TUFF																								
			DARK GREEN Fine to medium grained																								
			Upper contact @ 45 lower @ 70. Appears																								
			compositionally similar to lapilli fragments																								
5.0	26.9	ANLT	ANDESITIC LAPILLI TUFF			1-2		1-2	1		1-3																
			pale grey colored fine grained matrix																								
			in which ≥ 30% fragments occur													11512	11.8	12.3	1.5	.025				.18			
			fragments are pale green colored													13	13.3	14.8	1.5	.027				.26			
			and are upto 10cm (rare) in size													14	14.8	15.6	0.8	.029				.18			
			featuring @ 80° to ca													15	15.6	17.1	1.5	.017				.20			
			From 11.8 - 15.6 weak - mod qtz stkwk													16	17.1	18.2	1.1	.028				.32			
			qtz stkwk starts @ 11.7 with @																								
			contact @ 45° vein s irregular @ 45° to																								
			ca veining ≈ 15% has tr - 2% py as																								
			disseminations																								
			Py common within fragments upto 5%																								
			18.1-25.3 veining is almost non-																								
			existent < 2%																								
			25.3 - 26.8 weak stkwk with occasional													11517	25.3	26.8	1.5	.024				.15			
			veining to disseminated Py																								

NEWHAWK GOLD MINES LTD.
SULPHURETS PROPERTY

Hole No. S93-417
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Interval (meters) From	To	Rock Type	Geologic Description	From	To	Alteration SIL	CHLOR	SER	CARB		Mineralization % Py	% Cp	% Mag	% Mo		Assay Data Sample	From	To	Int	Au opt	Cu %	Au check	Cu check	Ag opt	Mo %	Core Data RQD %	Run	Recovery %
26.9	27.8	QTVN	QUARTZ VEIN	26.9	27.8	3					2					115/18	26.8	27.8	1.0	.016				.06				
			- contacts irregular lowa @ 10° to ca																									
			has minor wall rock fragments to																									
			disseminated																									
27.8	30.8	ANLT	ANDESITIC LAPILLI TUFF	27.8	30.8	1		2	1		3-5																	
			- similar to 5.0-26.9																									
30.8	68.7	ANLT	ANDESITIC LAPILLI TUFF	30.8	68.7						<1																	
			- fine grained dark green colored																									
			fracturing occasional short sections																									
			are pale grey weakly silicified																									
			(35.0-36.3)																									
			at 35.7 10cm vein @ 20° to ca																									
			occ weak carb veining last																									
			3.0m the section has reddish																									
			tinge																									
68.7	98.1	ANLT	ANDESITIC LAPILLI TUFF	30.8	68.7						<1																	
			f/g matrix with frags upto 3cm																									
			frags are variably colored red / green																									
			with minor qtz and in																									
			general the unit is massive																									
			and non-mineralized Weak foliation																									
			developed @ 30° to ca																									

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NEWHAWK GOLD MINES LTD.
SULPHURETS PROPERTY

Hole No. S93-417

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Interval (meters) From	To	Rock Type	Geologic Description	From	To	Alteration SIL	CHLOR	SER	CARB		Mineralization % Py	% Cp	% Mag	% Mo	Blebby Py/Sph	Assay Data Sample	From	To	Int	Au opt	Cu %	Au check	Cu check	Ag opt	Mo %	Core Data RQD %	Run	Recovery %
			fracturing @ 50° Veining < 5% occasional coarse sections gradational lower contact over 1m																									
98.1	162.4	AVLT	ANDESTIC LAPILLI TUFF																									
			fine grained pale green-grey matrix in which bimodal fragments upto 2cm occur. Fragment range from being angular to subrounded			1-2	1	2	1							11519	105.5	107.8	2.3	.006				.20				
			101.4 - 104.6 the unit is moderately fractured possible fault zone																									
			from 105.5 - pyrite content increases to 3-5% found as dissem and stringers within both host and qv																									
			from 107.6 - 109.2 = 5-10% qv's @ 107.7 qv @ 45° to Zn S	107.6	109.2	1-2					1-5				tr	11520	107.8	109.2	1.4	.004				.23				
																11521	109.2	110.7	1.5	.015				.18				
			109.2 - 110.7 20% qv as stkwk	109.2	110.7	2		1			5-10				tr	11522	110.7	112.4	1.7	.045				.18				
			110.7 - 112.4 no veins			1		3			10																	
			112.4 - 113.1 10% stkwk veins // to ca and @ 70°	112.4	113.1	1		3			5					11523	112.4	113.4	1.0	.008				.15				
			113.4 - 115.3 weak qv = 5%	113.4	115.1	1		3			10					11524	113.4	115.1	1.7	.013				.26				
			possible fault from 114.4 - 114.3 (increase in fracturing) fractures = 60° to ca	115	119.3	1		3			1					11525	115.1	117.3	2.2	Tr				.17				
																11526	117.3	119.3	2.0	.001				.26				
			119.3 - 120.8 weak qv, py common, fine as clots	119.3	120.8	1		3			10					11527	119.3	120.8	1.5	.001				.09				

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NEWHAWK GOLD MINES LTD.
SULPHURETS PROPERTY

Hole No. 417

Page 5 of 6

Interval (meters) From	To	Rock Type	Geologic Description	From	To	Alteration SIL	CHLOR	SER	CARB	Mineralization % Py	% Cp	% Mag	% Mo	Assay Data Sample	From	To	Int	Au opt	Cu %	Au check	Cu check	Ag opt	Mo %	Core Data RQD %	Run	Recovery %
			from 120.8 - 124.6 qv's absent	120.8	124.6	1-2		3		5-10				11528	120.8	122.3	1.5	.013				.18				
			"											29	122.3	124.6	2.3	.002				.09				
			124.6 - 125.9 5% veining veins @ 60° to ca	124.6	125.9	1-2		3		5-10				30	124.6	125.9	1.3	.004				.12				
			125.9 - 127.4 " " mic											31	125.9	127.4	1.5	.009				.12				
			127.4 - 130.4			1-2		3		5				32	127.4	130.4	3.0	.008				.15				
			130.4 - 20 cm qv stkwk vein @ 20° to ca											33	130.4	132.0	1.6	.011				.12				
			132.7 1cm qv @ 20° 10% Py											34	132.0	133.2	3.2	.033				.09				
			138.7 - 140 well fractured possible fault zone											35	133.2	136.7	1.5	.042				.18				
														36	136.7	138.7	2.0	.020				.12				
			From 140 → 162.4 matrix generally grey colored	140	155.9 162.	1-2		3		10				37	138.7	140.7	2.0	.012				.12				
			@ 140.7 quartz veining increases to 10-15°											38	140.7	142.7	2.0	.020				.12				
			of unit two preferred orientations											39	142.7	144.2	1.5	.048				.15				
			@ 80 & 10° to ca veins generally <2cm											40	144.2	145.7	1.5	.052				.12				
			wide											41	145.7	147.3	1.6	.065				.03				
			142.7 - 151.4 qv forming wk stkwk with											42	147.3	148.8	1.5	.057				.03				
			best development 145.7 - 147.8											43	148.8	150.3	1.5	.067				.15				
			from 151.8 - 162.4 g/t veining relatively											44	150.3	151.8	1.5	.027				.15				
			minor <5% occ forms small											45	151.8	153.3	1.5	.029				.15				
			stkwks @ 152.6 - 153.0, 159.6 - 159.8											46	153.3	154.9	1.6	.039				.15				
			weak qv stkwk 162.0 - 162.3											47	154.9	157.9	3.0	.016				.18				
153.3	166.7	ANDS	ANDESITE											48	157.9	161.0	2.9	.008				.09				
			fg, black, jointed @ 50° to ca											49	161.0	162.4	1.3	.01				.55				
			upper & lower contacts with Py																							
			as fine bands graphitic																							

NEWHAWK GOLD MINES LTD.
SULPHURETS PROPERTY

Hole No. 93-417
Page 6 of 6

Interval (meters) From	To	Rock Type	Geologic Description	From	To	Alteration SIL	CHLOR	SER	CARB		Mineralization % Py	% Cp	% Mag	% Mo		Assay Data Sample	From	To	Int	Au opt	Cu %	Au check	Cu check	Ag opt	Mo %	Core Data RQD %	Run	Recovery %
166.7	167.1	ANLT	ANDESITIC LAPILLI TUFF																								
			- similar to previous																								
			- lower contact @ 20° to ca																								
167.1	175.4	SIST	Siltstone																								
			fine grained, massive pale greyish green colored, relatively homogenous																								
			fracturing @ 20° to ca																								
			minor veining																								
			from 169.9 - 170.0 fault Zone	171.0	175.8	2					2					11650	171.0	172.1	1.0	.019				.29				
			From 171.0-175.8 171.0 - 171.6 qtz stkwk 60% gv vaguely	171.0	171.6						5					11601	172.1	173.8	1.0	.006				.29				
			oriented 5% py													11602	173.8	175.7	1.6	.062				.32				
			173.1 - 175.7 mod stkwk													11603	174.7	175.9	1.5	.020				.23				
			174.7 - 175.7 veining absent																								
			175.7 - 175.9 20 cm good stkwk																								
			last 4 m fractured																								
176.4																											
176.4	176.4		ARKOSE																								
			Pale grey with speckled wh. &																								
			e.g. Minor inclusions of arg. lith																								
			and SIST veining minor py																								
			as shown and fine stringer																								
			mod. veining																								

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APPENDIX 2

ASSAY RESULTS

Shipment #41
=39 samples 24

WESTMIN RESOURCES LIMITED
PREMIER GOLD PROJECT ASSAY LABORATORY

CERTIFICATE OF ASSAY

TO: NEWHAWK PROJECT >>> NEWHAWK -- GOLD

DATE: 08-05-93
ASSAY LAB FILE: A080593.ALB
TRANSFER TEXT FILE: NG080593.OTB
PAGE: 1
SAMPLE TYPE: ORIGINALS

SAMPLE IDENTITY	Au Oz/t	Au g/ton
11512	0.025	0.857
11513	0.027	0.926
11514	0.029	0.994
11515	0.017	0.583
11516	0.028	0.960
11517	0.024	0.823
11518	0.016	0.549
11519	0.006	0.206
11520	0.004	0.137
11521	0.015	0.514
11522	0.045	1.543
11523	0.008	0.274
11524	0.013	0.446
11525	TRACE	TRACE
11526	0.001	0.034
11527	0.001	0.034
11528	0.013	0.446
11529	0.002	0.069
11530	0.004	0.137
11531	0.009	0.823
11532	0.008	0.274
11533	0.011	0.377
11534	0.033	1.131
11535	0.042	1.440
11536	0.020	0.686

PREMIER GOLD PROJECT ASSAY LABORATORY.

certified by ....Evelyn.....

WESTMIN RESOURCES LIMITED
PREMIER GOLD PROJECT ASSAY LABORATORY

CERTIFICATE OF ASSAY

TO: NEWHAWK

PROJECT >>> NEWHAWK -- GOLD

DATE: 08-05-93
ASSAY LAB FILE: A080593.ALD
TRANSFER TEXT FILE: NG080593.OTD
PAGE: 1
SAMPLE TYPE: ORIGINALS

SAMPLE IDENTITY	Au Oz/t	Au g/ton
11537	0.012	0.411
11538	0.020	0.686
11539	0.048	1.646
11540	0.052	1.783
11541	0.065	2.223
11542	0.057	1.954
11604	0.024	0.823
12193	0.014	0.480
12194	0.665	22.800
12195	0.015	0.514
12196	0.006	0.206
18602	0.002	0.069
18603	0.063	2.160
18604	0.384	13.166

PREMIER GOLD PROJECT ASSAY LABORATORY.

certified by .....

(35 samples)

WESTMIN RESOURCES LIMITED
PREMIER GOLD PROJECT ASSAY LABORATORY

CERTIFICATE OF ASSAY

TO: NEWHAWK

PROJECT >>> NEWHAWK -- GOLD

DATE: 08-07-93
ASSAY LAB FILE: A080793.ALF
TRANSFER TEXT FILE: NG080793.OTF
PAGE: 1
SAMPLE TYPE: ORIGINALS

SAMPLE IDENTITY	Au Oz/t	Au g/ton
11543	0.067	2.297
11544	0.027	0.926
11545	0.029	0.994
11546	0.039	1.337
11547	0.016	0.549
11548	0.008	0.274
11549	0.011	0.377
11550	0.019	0.651
11601	0.006	0.206
11602	0.062	2.126
11603	0.020	0.686
1A PULP	0.060	2.057
2A PULP	0.067	2.297

PREMIER GOLD PROJECT ASSAY LABORATORY.

certified by .....

Shipment #41

WESTMIN RESOURCES LIMITED
PREMIER GOLD PROJECT ASSAY LABORATORY

CERTIFICATE OF ASSAY

TO: NEWHAWK PROJECT >>> NEWHAWK -- SILVER

DATE: 08-04-93
ASSAY LAB FILE: A080493.ALF
TRANSFER TEXT FILE: NS080493.OTF
PAGE: 1
SAMPLE TYPE: ORIGINALS

SAMPLE IDENTITY	Ag Oz\ton	Ag g\ton
11512	0.175	6.0
11513	0.263	9.0
11514	0.175	6.0
11515	0.204	7.0
11516	0.321	11.0
11517	0.146	5.0
11518	0.058	2.0
11519	0.204	7.0
11520	0.233	8.0
11521	0.175	6.0
11522	0.175	6.0
11523	0.146	5.0
11524	0.263	9.0
11525	0.117	4.0
11526	0.258	2.0
11527	0.088	3.0
11528	0.175	6.0
11529	0.088	3.0
11530	0.117	4.0
11531	0.117	4.0
11532	0.146	5.0
11533	0.117	4.0
11604	0.088	3.0

PREMIER GOLD PROJECT ASSAY LABORATORY.

certified by .....Ilona.....

Shipment # 41

WESTMIN RESOURCES LIMITED
PREMIER GOLD PROJECT ASSAY LABORATORY

CERTIFICATE OF ASSAY

TO: NEWHAWK

PROJECT >>> NEWHAWK -- SILVER

DATE: 08-05-93
ASSAY LAB FILE: A080593.ALF
TRANSFER TEXT FILE: NS080593.OTF
PAGE: 1
SAMPLE TYPE: ORIGINALS

SAMPLE IDENTITY	Ag Oz\ton	Ag g\ton
11534	0.175	6.0
11535	0.117	4.0
11536	0.117	4.0
11537	0.117	4.0
11538	0.146	5.0
11539	0.117	4.0
11540	0.058	2.0
11541	0.029	1.0
11542	0.029	1.0
12193	0.117	4.0
12194	2.683	92.0
12195	0.875	30.0
12196	0.408	14.0
18602	0.029	1.0
18603	0.058	2.0
18604	0.058	2.0

PREMIER GOLD PROJECT ASSAY LABORATORY.

certified by ..... Ilona .....

WESTMIN RESOURCES LIMITED
PREMIER GOLD PROJECT ASSAY LABORATORY

CERTIFICATE OF ASSAY

TO: NEWHAWK PROJECT >>> NEWHAWK -- SILVER

DATE: 08-07-93
ASSAY LAB FILE: A080793.ALI
TRANSFER TEXT FILE: NS080793.OTI
PAGE: 1
SAMPLE TYPE: ORIGINALS

SAMPLE IDENTITY	Ag Oz\ton	Ag g\ton
11543	0.146	5.0
11544	0.146	5.0
11545	0.146	5.0
11546	0.146	5.0
11547	0.175	6.0
11548	0.350	12.0
11549	0.525	18.0
11550	0.292	10.0
11601	0.292	10.0
11602	0.321	11.0
11603	0.233	8.0
1A PULP	0.437	15.0
2A PULP	0.408	14.0

PREMIER GOLD PROJECT ASSAY LABORATORY.

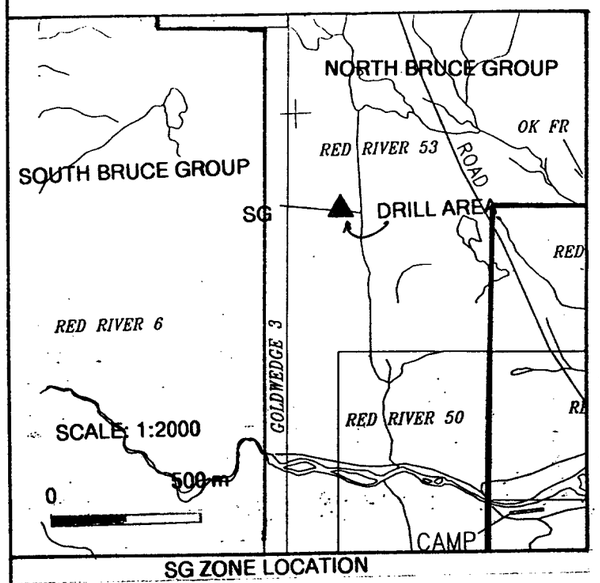
certified by .....

0 10 20 30 40 50

METRES

SCALE 1:500

0.434, 0.90 / 4.25m — Au oz/st, Ag oz/st / width(m)



SG ZONE LOCATION

SECTION 120NW

S93-409
138.50m

S93-410
136.60m

BRUCEJACK CREEK

NORTH
MINE GRID NORTH

SG

0.418, 0.17
2.95m

0.322, 1.93
3.65m

0.434, 0.90
4.25m

1.000, 2.98 (Au Cut)
2.00m

0.126, 0.56
7.25m

0.203, 1.26
1.40m

0.336, 0.47
1.75m

0.474, 0.70
1.85m

SG LONG SECTION

3300E

0.214, 2.70
4.65m

0.228, 3.20
3.95m

0.162, 0.29
3.90m

A

S93-417
188.40m

BART

S93-408
109.00m

S93-405
102.40m

S93-406
126.80m

S93-407
102.70m

3800N

3900N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,169

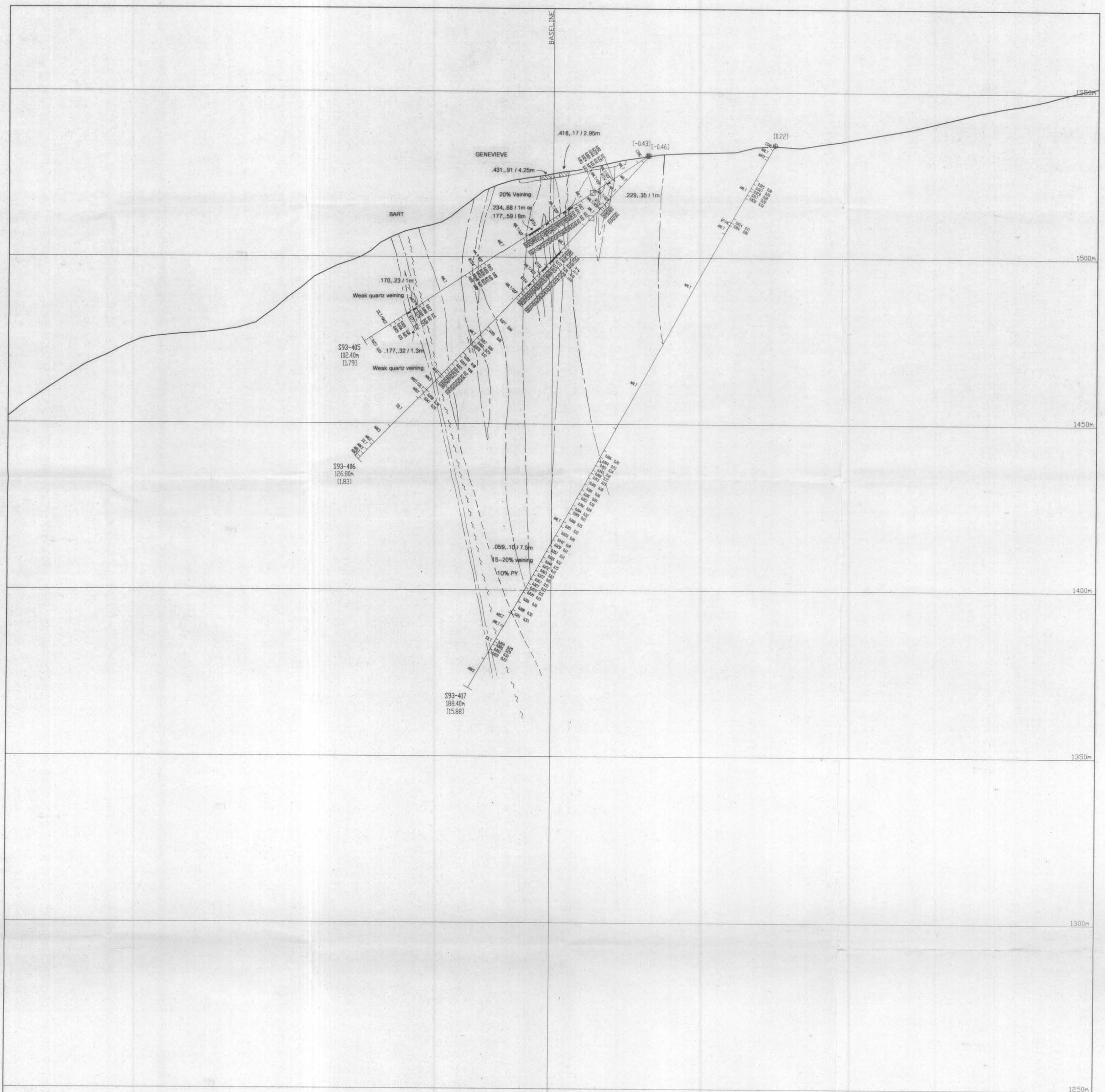
NEWHAWK GOLD MINES

SULPHURETS PROPERTY

SG ZONE

1993 DRILLHOLE PLAN

DRAWN BY: T.K.,D.V.	SHEET NO:
DATE: OCT 1993	FIGURE NO: 6



LEGEND

- QTVN — *QUARTZ VEIN (QCVN – QTZ CARBONATE VEIN)*
- QTSW — *QUARTZ VEIN STOCKWORK (QCSW – QTZ CARBONATE STWK)*
- QTZN — *QUARTZ VEIN ZONE (QCZN – QTZ CARBONATE ZONE)*
- QTBX — *QUARTZ BRECCIA (QCBX – QTZ CARBONATE BRECCIA)*
- ANTF — *ANDESITE TUFFS/FLOWS*
- ANLT — *ANDESITE LAPILLI TUFF*
- ANXT — *ANDESITE CRYSTAL TUFF*
- HELT — *HETEROLITHIC TUFF*
- ANDK — *ANDESITE DYKE*
- QSP — *QUARTZ SERICITE PYRITE*
- QP — *QUARTZ PYRITE*

ALTERED ROCKS

ALB	ALBITIZATION
BIO	BIOTIFEROUS
CB	CARBONATE ALTERATION
CHL	CHLORITIZATION; CHLORITIC
KSP	POTASSIC ALTERATION
PROP	PROPHYLITIC ALTERATION
QSP	QUARTZ-SERICITE; PYRITE SCHIST
QP	QUARTZ-PYRITE (KSPAR ALTERATION)
SER	SERICITIZATION; SERICITIC
SIL	SILICIFICATION; SILICIFIED

WK – WEAK MOD – MODERATE STR – STRONG

- FAULT
- DRILL HOLE WITH PIERCE POINT
- .356 / 4.23 — AU (oz/t) / AG (oz/t)
- QUARTZ VEIN ORIENTATION
- (-5.00) — DISTANCE SOUTH OF SECTION
- (5.00) — DISTANCE NORTH OF SECTION

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,169

0 10 20 30 40 50
METRES

NEWHAWK GOLD MINES LTD.

SULPHURETS PROPERTY
BRUCESIDE PROJECT
SG ZONE – SECTION 120NW
+/- 20m LOOKING NW (MINE GRID)

DRAWN BY: T.K., D.V.	SCALE: 1:500
DATE: OCT. 1993	FIGURE NO: 7