2000 REPORT
GEOLOGICAL and
GEOCHEMICAL WORK ON THE JAVA PROPERTY

Atom 1-6
Java 61-92

Whitehorse Mining District,
Yukon Territory

NTS Map Sheet 105E/7
Latitude: 61° 25' N
Longitude: 134° 53' W

Work Performed September 15-18, 2000

Dennis Ouellette

094282

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of 4200.

M. B[illegible]

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

Introduction

This report describes exploration work carried out on the Java property from September 15 to September 18, 2000. The Atom 1-6 and Java 61 to 92 claims are collectively known as the "Java Property". The Java property is located 70 km northeast of Whitehorse and is most efficiently accessed by helicopter. Exploration work carried out on the property in 2000 included prospecting and soil geochemistry. The property was examined and sampled by D. Ouellette and B. Carter. Exploration work in 2000 was for the purpose of satisfying the requirements of the Yukon Quartz Mining Act.

Location and Access

The Java property is located in southwest Yukon about 70 km northeast of Whitehorse at latitude 61 degrees, 21 minutes north and longitute 134 degrees and 53 minutes on N.T.S. map area 105 E/7 (Figure 1).

Access is by helicopter from Whitehorse, Yukon which has daily jet service to southern Canada. A winter tote trail to the Livingstone Creek placer mining area passes within 25 km of the property.

History

The first geology map of the Laberge area was published in 1938 by Bostock and Lees (1938). The most recent regional geology map was published by Tempelman-Kluit (1984). A total of 60 Yukon Minfile occurrences are shown in the Laberge map area; however, the only mineral production to date has been from the Livingstone placer camp, which has been mined and prospected intermittently since its discovery in 1898.

The first mention of an intrusive stock underlying the Miller Creek and Windy Mountain area (Bostock and Lees, 1938) who describe a pink monzonite stock. There is no record of exploration interest in the area until 1971 when a helicopter reconnaissance sampling program in the Laberge map area by United Keno Hill Mines Ltd. And others led to the discovery of sporadic copper and molybdenum mineralization in the Windy Mountain area. The Tuv 1-24 claims were staked by UKHM in 1972 during geological and geochemical evaluation of the stock underlying the Windy Mountain area. Previous work on the Java property is indicated as being done by the DC Syndicate (Dome and Cominco) on the small Bond claim group in August, 1975. Work done at this time included mapping and soil sampling. The Bond showing as described in the Yukon Minfile consists of molybdenite and chalcopyrite occurring in a weak fracture system cutting granodiorite and monzonite. The description of andesite float containing chalcopyrite located west of the Bond claims fits the description the newly discovered skarn zone located in the north central portions of the Java property.

Property

The Java property, pending acceptance of this report for assessment purposes, consists of:

CLAIM NAME	GRANT NUMBER	RECORDING DATE	EXPIRY DATE
Atom 1-6	YB96711-YB96716	October 10, 1996	October 10, 2003 (R)
Java 61-76	YB97805-YB97820	July 4, 1997	July 4, 2001
Java 85-92	YB97821-YB97828	July 4, 1997	July 4, 2004 (R)
Java 77-84	YC08003-YC08010	July 30, 1997	July 30, 2001

Climate, Topography and Vegetation

The climate in the area of the Java property is semi-arid with hot summers and long, cold winters. Total precipitation averages about 30 cm annually with moderate snowfalls during the winter months. The property is situated 17 east of the north end of Lake Laberge within the Lewes platform physiographic region in an area of low to moderate topography. Elevations within the Java range from 2600 feet to 4200 feet above sea level. The property is below treeline. Rock outcroppings are rare, less than 1% of the property and are limited to steep banks and sporadic on ridgetops. Glacial action has provided most exposures. Vegetation is thick and consists of pine and willow on the southern and eastern exposures and black spruce and alder on the northern and western exposures.

Geology

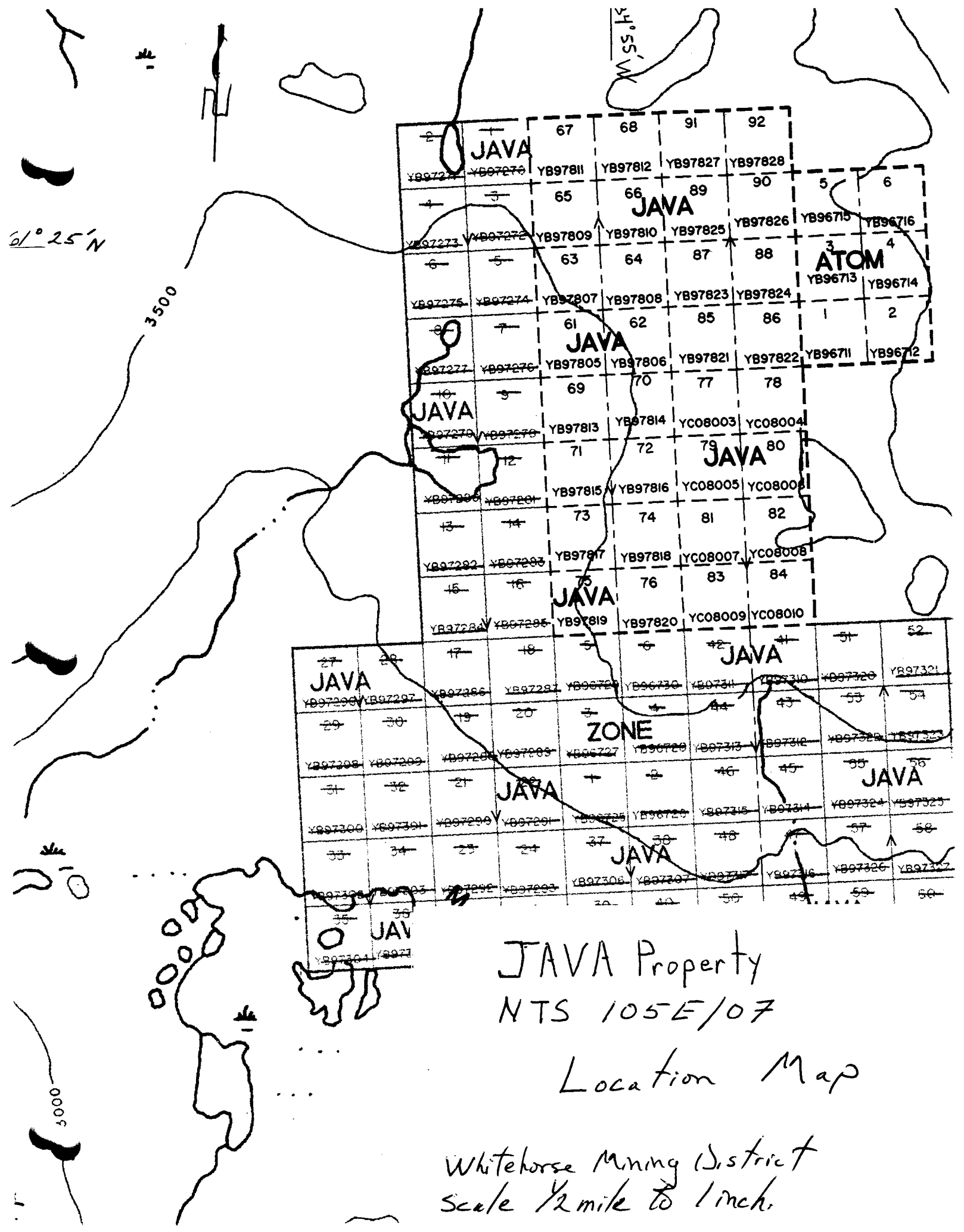
Surficial Geology

The surficial geology of the Laberge area was mapped by Klassen and Morison (1987). The Laberge mapsheet was completely covered 24,000 years ago by the McConnell ice sheet which advanced from southeast to northwest through the map area. In the Java property area, the till cover is bouldery with a silty to sandy matrix and can be up to 10 m thick. The till forms a discontinuous cover over the bedrock terrain and is associated with colluvium and bedrock fragments. Soil development in the area is poor (C. Mougeot, personal communication, 1987) with little B horizon development due to the semi-arid climate.

Regional Geology

The regional geology of the Lake Laberge map area was first mapped by Bostock and Lees (1938) and more recently by Tempelman-Kluit (1984). Understanding of the tectonic setting of Stikinia terrane has been the focus of several recent papers e.g. MacMillan et al 1985 and research programs by several government geology agencies e.g. Yukon Geology Program.

The Java property is situated in northern Stikinia terrane near the eastern flank of the Coast Plutonic Complex. Stikinia terrane is composed of Late Triassic, Lewes River calc-alkalic island arc rocks and upper Triassic to middle Jurassic Laberge Group island-



JAVA Property
NTS 105E/07

Location Map

Whitehorse Mining District
Scale ½ mile to 1 inch.

arc derived sedimentary rocks. The Lewes River Group was deposited as a island-arc complex during the late Triassic and early to middle Jurrasic. It comprises a 7,000 m thick succession of basalt, andesite, flow breccia and crystalline tuff with associated sediments. In the Laberge area, the Lewes River Group is composed of a lowermost augite porphyritic basalt sequence unconformably overlain by a reddish limestone member with intercalated argillite, greywacke and mudstone. The Laberge Group consists of 3,000 m of fore-arc basin alluvial and marine conglomerate sandstone and shale. In the Laberge area, the group consists of a coarse polymictic cobble and boulder conglomerate, siltstone and argillite. The Tantalus conglomerate is an overlap assemblage that contains minor coal seams. The Laberge group developed in a fore-arc basin above a southwest dipping subduction zone northeast of the Lewes River volcanic arc. The island arc complex collided against North America in the mid-Jurassic along what became an accretionary structure called the Teslin suture zone.

Intrusive rocks of Jurassic age are less common in the northern part of Stikinia terrane than in the southern part; and Middle Jurassic plutons in north-central British Columbia and the Yukon tend to be calc-alkaline and felsic. The Teslin Crossing stock, a fine to medium grained equigranular to porphyritic monzonite with lesser syenite and granite, is usually because of its alkalic chemistry (Hart, pers.comm., 1997). Hart (1996) states that an array of dikes, sills and small stocks occur along a 15 kilometre-long region northwest of the Teslin Crossing pluton. The stock underlying the Java property is likely to be on eof these associated stocks. The Teslin Crossing stock was emplaced in local pull-apart basins in Laberge Group strata (Woodsworth, et al., 1991).

A 1989 regional stream sediment sampling release (Open File) shows some elevated copper, gold, lead, zinc, barium and silver values in the Java property area. The government aeromagnetic map for 105E/7 shows a distinct half-doughnut shaped magnetic high over the Java property.

Structure

Faulting, lithologic attitudes, and other regional trends are generally northwest, with some younger northeast structures. The northwest trending Teslin Fault, 20 km east of the Java property is the largest structure in the area. The Chain Fault cuts along the east side of the property. Numerous smaller northwest trending faults cut the Lewes River Group and Laberge Group west of the Java property.

Property Geology

The lack of outcrop on the property hampered interpretation of the property geology. The property is bordered to the north and west by two prominent ridges trending in those directions. The east-west trending northern ridge is predominantly massive white, coarse grained, well bedded crystalline limestone overlying a fine grained, cherty, black argillite. The argillite is well fractured and pyritic in those places close to intrusive contacts.

Significant effort with a mattock resulted in some success in locating minor moss-covered outcroppings in heavily forested and underbrush covered areas of the Atom

claims. Property geology is modified from Templeman-Kluit (1984), and are described as:

Lewes River Group (Upper Triassic)

Hancock: Massive, resistant, white weathering re-crystallized limestone and thick bedded limestone is exposed along the north and west trending ridges which border the property.

Laberge Group (Early-Middle Jurrasic)

Gently west dipping gritty, coarse grained arkosic and feldspathic sandstone, and granite pebble conglomerate of the LaBerge Formation flank the intrusive to the west. The arkosic rocks contain abundant crystal fragments of feldspar with quartz. These rocks are silicified to hornfelsed forming a prominent northwest-trending resistant ridge defining the boundaries of the intrusive stock. The black hornfelsed arkosic rocks are pyritic with limonite coated fractures.

Intrusive Rocks

The area east of the prominent northwest trending ridge is covered in a moss-floored forest of dense black spruce. More open areas of pine and willow tended to reflect deep glacial overburden. A mattock was used to prospect for bedrock and subcroppings of rock. This method met with some success. No prominent outcrops exist in the area traversed. Rocks that were turned up by the mattock were angular, slabby boulders of monzonite and syenite.

Mineralization

No new mineralization of significance was discovered during the 2000 season.

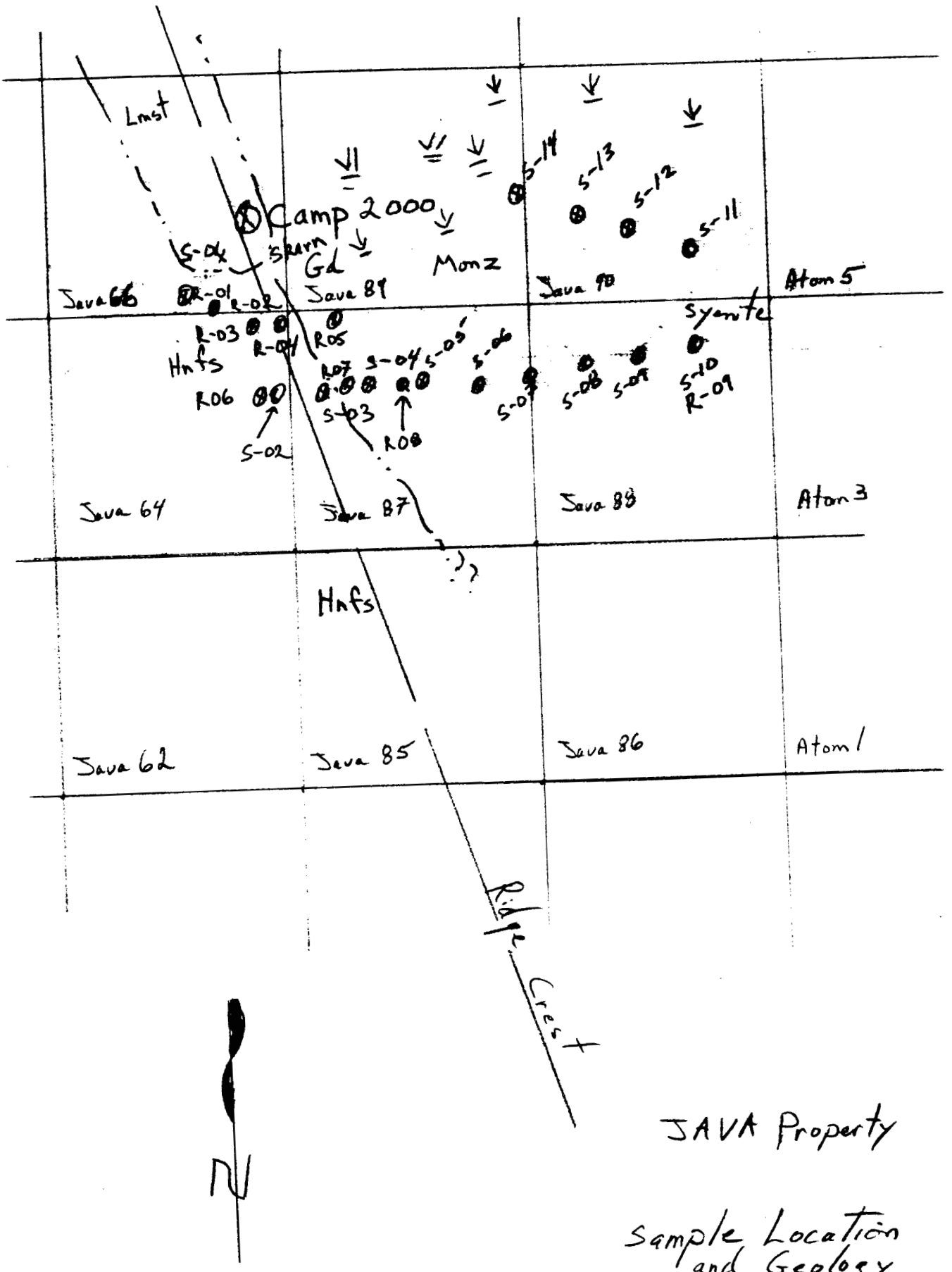
Geochemistry

A total of nine rock and fourteen soil samples were collected during the traverse. Only two traverses were completed because, half way through the second day, it began to snow. The snow did not stop until the morning of the last day.

Two rock samples returned anomalous copper values. J/DO/00/05 was collected 30 metres east and down slope from the skarn occurrence discovered the previous year. The bleached, medium grained dioritic rock contains limonite and minor malachite on fractures. The rock returned 624 ppm copper with 17 ppb Au and 1.0 ppm Ag. The only other sample collected that returned anomalous values was J/DO/00/06. This sample was collected on the west-facing slope of the northwest trending ridge. Copper values were 140 ppm with a corresponding zinc value of 549 ppm. None of the fourteen soil samples collected returned anomalous values.

Conclusion and Recommendations

Intrusive rocks exist east of the northwest trending ridge running through the center of the property. The ridge is composed of resistant rocks likely created by intrusion of the intrusive rocks found immediately to the east. Minor copper mineralization exists along the intrusive/sedimentary contact. No further work is recommended in this area.



JAVA Property

Sample Location and Geology
Scale 1cm = 100m

DTo Sept 2000

STATEMENT OF COSTS

Geological and geochemical

A. Fieldwork

D. Ouellette, B.Sc.	Sept 15-16 3@ 400day	$1200	
	Report 2@ 400/day	$800	
B. Carter	Sept 15-18 4@ 200/day	$600	
	Total		$2,600

B. Geological Analysis

Bondar Clegg	9 rock samples	$232.08	
	14 soil samples	$307.84	
	Total		$539.92

C. Support Costs

	Helicopter	$801.43	
	Food	$212.60	
	Truck Rental	$50.00	
	Chain Saw	$300.00	
	Total		$1,363.03

PROJECT TOTAL $4,502.95

BONDAR CLEGG

ISO 9002 VANCOUVER BRANCH

ochemical ab Report

REPORT: V01-00485.0 (COMPLETE)

REFERENCE:

CLIENT: MR. DENNIS OUELLETTE

PROJECT: NONE GIVEN

SUBMITTED BY: UNKNOWN

DATE RECEIVED: 20-MAR-01 DATE PRINTED: 22-MAR-01

DATE APPROVED		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
010321	1 Au30	Gold	9	5 PPB	Fire Assay of 30g	30g Fire Assay - AA
010321	2 Ag	Ag - ICO1	9	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	3 Cu	Cu - ICO1	9	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	4 Pb	Pb - ICO1	9	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	5 Zn	Zn - ICO1	9	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	6 Mo	Mo - ICO1	9	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	7 Ni	Ni - ICO1	9	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	8 Co	Co - ICO1	9	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	9 Cd	Cd - ICO1	9	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	10 Bi	Bi - ICO1	9	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	11 As	As - ICO1	9	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	12 Sb	Sb - ICO1	9	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	13 Fe	Fe - ICO1	9	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	14 Mn	Mn - ICO1	9	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	15 TE	Te - ICO1	9	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	16 Ba	Ba - ICO1	9	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	17 Cr	Cr - ICO1	9	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	18 V	V - ICO1	9	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	19 Sn	Sn - ICO1	9	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	20 W	W - ICO1	9	20 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	21 La	La - ICO1	9	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	22 Al	Al - ICO1	9	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	23 Mg	Mg - ICO1	9	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	24 Ca	Ca - ICO1	9	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	25 Na	Na - ICO1	9	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	26 K	K - ICO1	9	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	27 Sr	Sr - ICO1	9	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	28 Y	Y - ICO1	9	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	29 Ga	Ga - ICO1	9	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	30 Li	Li - ICO1	9	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	31 Nb	Nb - ICO1	9	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	32 Sc	Sc - ICO1	9	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	33 Ta	Ta - ICO1	9	10 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	34 Ti	Ti - ICO1	9	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	35 Zr	Zr - ICO1	9	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
010321	36 S	S - ICO1	9	0.01 PCT	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	9	2 -150	9	CRUSH/SPLIT & PULV.	9

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INVOICE TO: 55 BOSWELL

BONDAR CLEGG

ISO 9002 REGISTERED ICP/MS ASSAYING VANCOUVER BRANCH

Geochemical Report

CLIENT: MR. DENNIS OUELLETTE

PROJECT: NONE GIVEN

REPORT: V01-00484.0 (COMPLETE)

DATE RECEIVED: 21-MAR-01 DATE PRINTED: 27-MAR-01 PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
1		7	<.2	68	9	118	3	38	11	0.4	<5	14	<5	2.71	323	<10	205	33	68	<20	<20	10	1.90	0.58	0.35	0.02	0.08	36	7	5	13	5	<5	<10	0.06	<1	0.02
2		<5	<.2	19	9	61	3	20	8	0.3	<5	6	<5	2.52	302	<10	238	31	75	<20	<20	7	1.98	0.46	0.27	0.01	0.05	23	3	7	12	5	<5	<10	0.06	3	0.01
3		<5	<.2	9	8	27	<1	11	6	<.2	<5	<5	<5	1.86	148	<10	129	25	51	<20	<20	9	1.39	0.31	0.27	0.01	0.05	19	3	4	9	4	<5	<10	0.10	2	<.01
4		<5	<.2	33	9	78	3	32	14	0.3	<5	14	<5	3.14	379	<10	225	38	67	<20	<20	7	2.09	0.67	0.35	0.02	0.09	26	4	7	16	3	<5	<10	0.06	2	0.01
5		<5	<.2	58	10	84	3	32	10	0.4	<5	18	<5	2.94	356	<10	228	35	60	<20	<20	21	1.69	0.57	0.59	0.03	0.10	49	12	5	13	3	5	<10	0.06	1	0.02
6		<5	<.2	21	9	49	2	21	9	0.2	<5	11	<5	2.48	318	<10	196	30	64	<20	<20	7	1.79	0.41	0.23	0.02	0.04	23	3	6	10	4	<5	<10	0.05	<1	<.01
7		<5	<.2	13	7	36	1	20	8	<.2	<5	7	<5	2.00	208	<10	171	35	45	<20	<20	12	1.49	0.51	0.39	0.01	0.05	23	5	3	9	4	<5	<10	0.10	<1	<.01
8		<5	<.2	12	6	31	<1	19	7	<.2	<5	10	<5	2.22	192	<10	130	32	45	<20	<20	10	1.50	0.49	0.32	0.02	0.06	19	4	3	10	4	<5	<10	0.10	<1	0.01
9		<5	<.2	11	6	37	<1	17	8	<.2	<5	6	<5	2.06	214	<10	152	33	45	<20	<20	10	1.53	0.48	0.33	0.01	0.05	20	4	3	9	3	<5	<10	0.10	<1	<.01
10		7	<.2	20	7	35	<1	25	10	<.2	<5	10	<5	2.28	258	<10	144	38	46	<20	<20	12	1.72	0.56	0.29	0.01	0.04	17	6	3	9	2	<5	<10	0.10	3	<.01
11		<5	<.2	28	10	50	2	33	12	0.2	<5	13	<5	2.74	402	<10	206	43	53	<20	<20	9	1.92	0.64	0.28	0.02	0.06	18	4	4	11	3	<5	<10	0.10	2	<.01
12		<5	<.2	20	4	47	1	21	8	0.3	<5	7	<5	2.04	221	<10	174	32	47	<20	<20	10	1.46	0.51	0.57	0.02	0.06	33	5	4	10	3	<5	<10	0.08	<1	0.01
13		<5	<.2	25	6	45	<1	22	10	0.2	<5	8	<5	1.96	431	<10	228	32	47	<20	<20	10	1.49	0.46	0.55	0.02	0.06	33	5	4	10	4	<5	<10	0.06	<1	0.02
14		<5	<.2	28	10	62	2	27	10	0.3	<5	13	<5	2.91	324	<10	169	36	62	<20	<20	7	1.79	0.55	0.35	0.02	0.10	27	3	5	12	4	<5	<10	0.05	2	0.01

BONDAR CLEGG

VANCOUVER BRANCH

Geochemical Lab Report

CLIENT: MR. DENNIS OUELLETTE

PROJECT: NONE GIVEN

REPORT: V01-00485.0 (COMPLETE)

DATE RECEIVED: 20-MAR-01 DATE PRINTED: 22-MAR-01 PAGE 1 OF 3

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM	Sb PPM	Fe PCT	Mn PPM	TE PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM	Ga PPM	Li PPM	Nb PPM	Sc PPM	Ta PPM	Ti PCT	Zr PPM	S PCT
J/DO/00/01		<5	<.2	17	6	38	2	4	9	<.2	<5	<5	<5	2.33	257	<10	83	43	37	<20	<20	25	0.84	0.50	0.54	0.11	0.20	38	8	<2	26	3	<5	<10	0.16	24	0.69
J/DO/00/02		<5	<.2	13	16	27	14	7	7	<.2	<5	<5	<5	1.50	171	<10	215	95	34	<20	<20	28	0.79	0.40	0.32	0.10	0.31	17	6	<2	16	3	<5	<10	0.13	4	0.03
J/DO/00/03		<5	<.2	34	9	35	5	10	11	<.2	<5	<5	<5	2.66	292	<10	253	59	83	<20	<20	39	1.41	0.55	1.08	0.18	0.37	142	10	<2	19	6	<5	<10	0.18	8	0.08
J/DO/00/04		<5	<.2	35	28	35	3	7	9	0.2	<5	<5	<5	1.98	229	<10	304	119	42	<20	<20	25	1.28	0.49	0.46	0.14	0.38	44	7	<2	29	2	<5	<10	0.15	24	0.11
J/DO/00/05		17	1.0	624	17	67	2	7	6	0.8	6	<5	<5	1.59	168	<10	172	109	34	<20	<20	27	0.83	0.38	0.29	0.06	0.23	11	7	<2	13	3	<5	<10	0.12	13	0.01
J/DO/00/06		10	<.2	140	12	549	21	62	22	9.1	<5	14	<5	4.86	220	<10	51	139	191	<20	<20	9	5.74	0.63	2.81	0.89	0.44	264	10	7	32	11	<5	<10	0.23	7	2.22
J/DO/00/07		7	<.2	5	9	34	2	9	8	<.2	<5	<5	<5	1.84	281	<10	306	130	38	<20	<20	28	0.90	0.44	0.34	0.09	0.43	16	7	<2	18	3	<5	<10	0.17	6	<.01
J/DO/00/08		<5	<.2	14	11	28	1	8	7	<.2	<5	<5	<5	1.82	212	<10	316	86	42	<20	<20	24	0.90	0.48	0.34	0.13	0.47	21	7	<2	23	3	<5	<10	0.15	6	<.01
J/DO/00/09		<5	<.2	28	10	30	1	8	6	<.2	<5	<5	<5	1.85	207	<10	129	66	38	<20	<20	26	0.74	0.40	0.30	0.07	0.19	14	7	<2	10	3	<5	<10	0.11	5	<.01

STATEMENT OF QUALIFICATIONS

I, Dennis Ouellette, herby certify that:

1. I hold a BSc (Specialization) Degree from Brandon University, Brandon, Manitoba.

2. I have been working in the field of mineral exploration since May of 1977.

3. I am the author of this report on the Java property, Whitehorse Mining District, Yukon, which is based on my personal examination of the ground.

April 10, 2001

D. Ouellette, BSc

YUKON ENERGY, MINES
& RESOURCES LIBRARY
P.O. Box 2703
Whitehorse, Yukon Y1A 2C6