WESTERN TROY CAPITAL RESOURCES INC.

EXPLORATION PROGRAMME ON THE MENARY TOWNSHIP PROPERTY MENARY TOWNSHIP DISTRICT OF KENORA ONTARIO

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W. E. HOLMSTEAD AND ASSOCIATES INC.

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INTRODUCTION

The Menary Township property was acquired in the spring of 1989 for its potential to host base metal and gold mineralization. It was optioned by the principals of Western Troy Capital Resources from Richard Roy and Joseph Lariviere of Thunder Bay, Ontario.

The property is situated along the western margin of a greenstone belt in the Off-Burditt Lake geological area. The claims are readily accessible via logging road 404, which extends to the east from Highway 71 between the town of Nestor Falls and the village of Finland, approximately half way along the route from Fort Frances to Kenora. (See Figure 1)

At the time of acquisition the property consisted of nine contiguous mining claims. The claims were known to host a gold showing (Agassiz Showing) which had been discovered during a base metal exploration programme carried out in the area by Agassiz Resources Ltd. between 1983 and 1985. The showing consisted of a 2.5 metre wide shear zone within mafic metavolcanics, which had been exposed by stripping for a length of 12 metres. The zone contained stringers and lenses of quartz, and exhibited strong chlorite and moderate to strong calcite alteration. Chip samples had assayed from 0.01 to 0.16 ounces per ton gold across widths of 2.1 to 3.0 metres (Clark, 1989).

The property has been enlarged several times and presently consists of 132 contiguous, forty acre units (See Map 1). There have been two periods of work on the property by its present owners, both under the supervision of programme management consultant W. E. Holmstead and Associates Inc. of Kingston. Line-cutting, geological, magnetometer, VLF-EM, surveys were completed over 30 of the claims in 1989 by Oval Bay Geological Services Inc. of Thunder Bay. At that time, two locations along a tuffaceous metasedimentary horizon hosting base metal mineralization, and the known gold showing, were mechanically stripped and chip sampled. In addition, a test induced polarization survey was completed at the gold showing and over a portion of the largest tuffaceous horizon.

The second period of work in was done in 1991 and consisted of investigating geophysical anomalies, prospecting, hand and mechanical sampling, beep mat survey and abundant sampling. New, low grade, zinc and copper bearing zones were found within tuffaceous metasediments, and several zones of native gold bearing quartz veins were discovered. Subsequently, additional claims were staked.

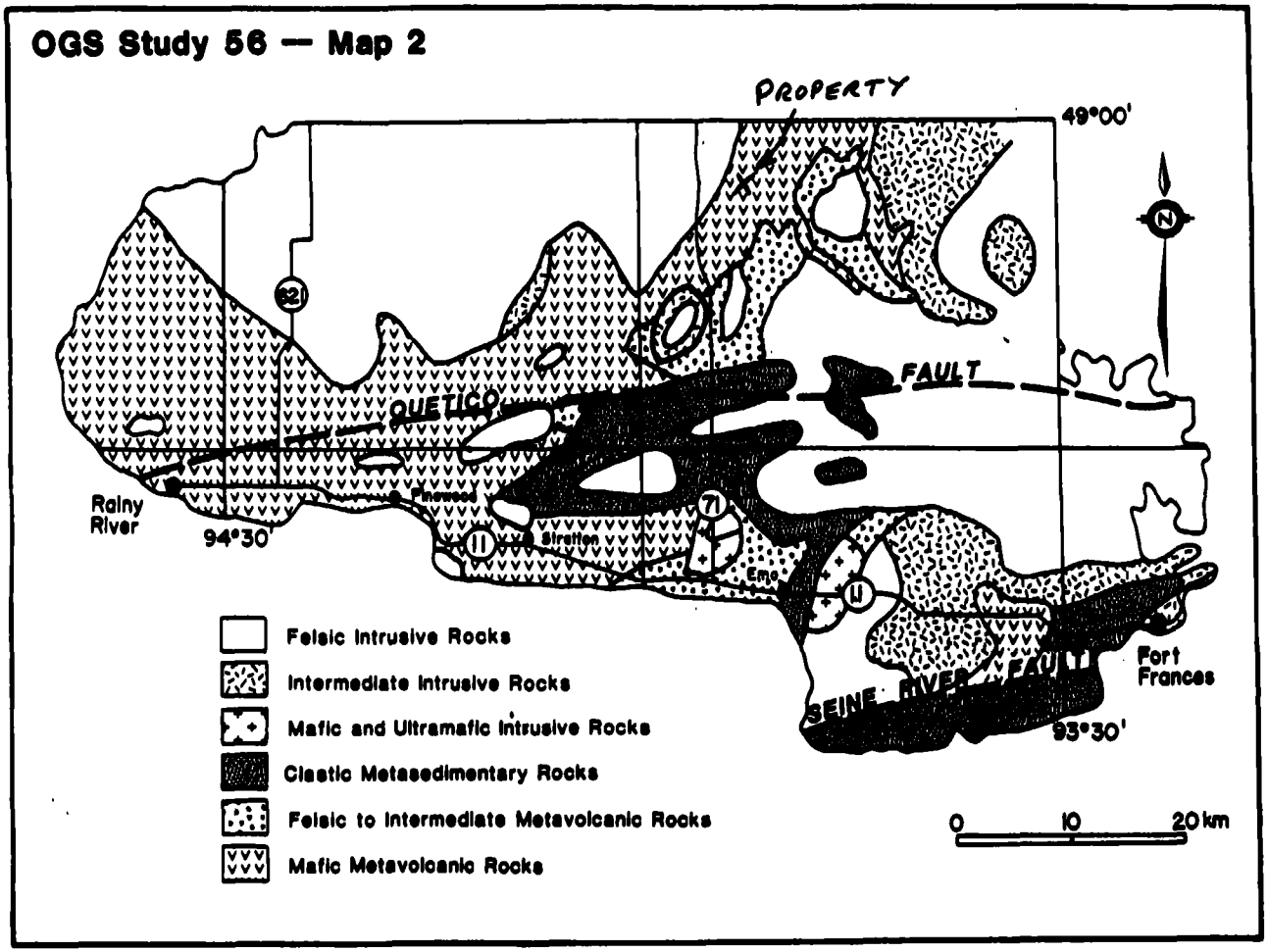

OGS Study 56 — Map 2
PROPERTY
49°00'
32
QUETICO
FAULT
Rainy River
94°30'
Pinewood
71
11
Stratton
Emo
11
Felsic Intrusive Rocks
Intermediate Intrusive Rocks
Mafic and Ultramafic Intrusive Rocks
Clastic Metasedimentary Rocks
Felsic to Intermediate Metavolcanic Rocks
Mafic Metavolcanic Rocks
SEINE RIVER FAULT
Fort Frances
93°30'
0
10
20 km

FIGURE 1

PROPERTY DESCRIPTION

The Menary Township property consists of 132 contiguous mining claims. Claim locations are shown on Map 1 which depicts the claim group and the primary logging roads crossing the property. The roads are in good shape, and gravel deposits on claims 1092636, 1092637, and 1092641 contain sufficient material to maintain or expand the road system.

Timber harvesting operations were completed over most of the property within the past fifteen years. The regrowth is primarily natural, with jackpine being commonest in areas of frequent outcrop, and poplar and lesser birch becoming abundant where soil depths increase. Red and white pines are found almost exclusively within a few small planted areas. Spruce and cedar are infrequent and largely restricted to damp or swampy areas.

Outcrop exposure is good to excellent except along the northwestern margin of the claim group, where swamps or gravel deposits commonly overlie the contact between metavolcanics to the southeast and the poorly exposed granitic rocks to the northwest. The remainder of the property is dominated by gentle slopes, with areas between outcrops covered by gravelly glacial deposits rarely exceeding a few metres thickness. Several linear swamps, creek valleys, and northwesterly facing cliffs, which parallel the northeasterly trend of rock units, provide topographic relief of up to twenty five metres in places.

PREVIOUS WORK

In the Off-Burditt Lake area, the first documented exploration work was undertaken in the 1930's. Most work has taken place a considerable distance to the east of the property, within an intermixed mafic to felsic volcanic cycle which is younger than the predominantly mafic cycle (Blackburn, 1976) within which the property is situated. Most of the recent efforts have been initiated by major mining companies seeking base metal deposits.

The only significant exploration to have taken place around the Menary Township property occurred in the early 1970's and again in the early 1980's.

In 1974, Hudson Bay Exploration and Development Company Ltd. drilled two holes totalling 509 feet near the northeast corner of the current property, as shown in Figure 2. The holes intersected an intermediate to felsic, tuffaceous horizon mineralized with pyrrhotite, pyrite, minor sphalerite and chalcopyrite.

Between 1983 and 1985, Agassiz Resources Ltd. held claims covering much of the original property. Magnetometer, VLF-EM, geological, and lithogeochemical surveys were completed in search of base metal deposits. Some horizontal loop (EM) work and stripping was completed in areas exhibiting the greatest potential to host base metal sulphides. The gold showing located at L 15+15 N, 12+60 E on the present grid, was discovered during this time.

A 1976 report by C.E. Blackburn, currently the Kenora District Resident Geologist with the Ministry of Northern Development and Mines, contains the most recent government geology map to include Menary Township at a scale appropriate for the purposes of exploration.

A reconnaissance till sampling report by A.F. Bajc, published in 1988 by the Ontario Geological Survey, identified an area in the south-central part of the claim group where high numbers of gold grains occur within till. The approximate position of a sample containing ten abraded gold grains is shown in Figure 3.

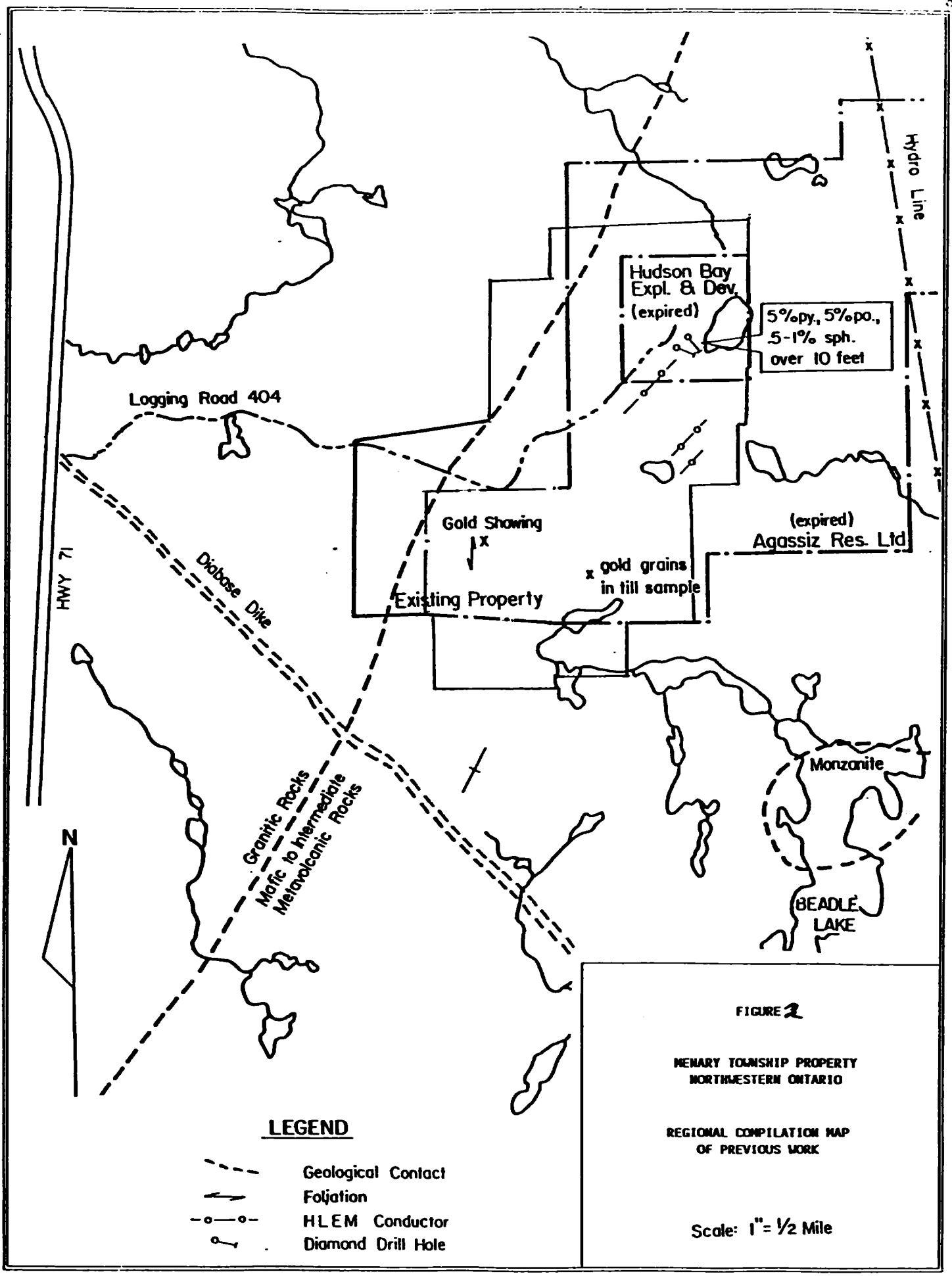
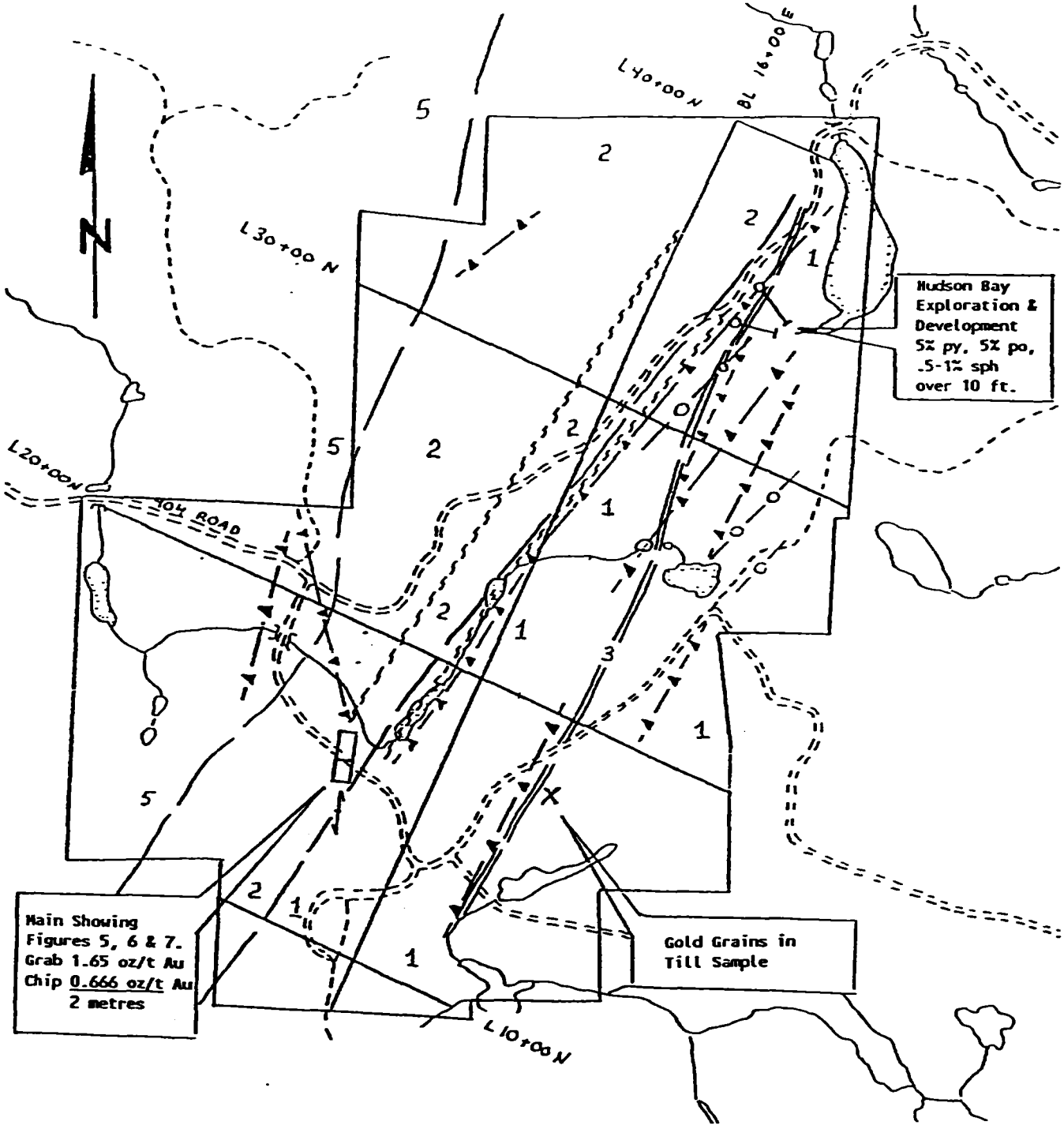

Hydro Line
Hudson Bay
Expl. & Dev.
(expired)
5%py., 5%po.,
.5-1% sph.
over 10 feet
Logging Road 404
HWY 71
Diabase Dike
Gold Showing
x
Existing Property
x gold grains
in till sample
(expired)
Agassiz Res. Ltd
Granitic Rocks
Mafic to Intermediate
Metavolcanic Rocks
Monzanite
BEADLE
LAKE
N
LEGEND
Geological Contact
Foliation
HLEM Conductor
Diamond Drill Hole
FIGURE 2
HENARY TOWNSHIP PROPERTY
NORTHWESTERN ONTARIO
REGIONAL COMPILATION MAP
OF PREVIOUS WORK
Scale: 1" = ½ Mile

Figure 3 is a compilation of the work completed on the property up to the end of 1989. It was prepared by Oval Bay Geological Services Inc., and is included in a report on the exploration potential of the Menary Township property (Clark, 1989b). The report includes more thorough sections on previous work and regional geology than does this report, and also contains complete discussions of the geological, magnetometer, and VLF surveys completed in 1989.

A test induced polarization survey and some stripping was completed during 1989, over both the gold showing and a stratigraphic unit known to host base metal mineralization. The induced polarization survey did not detect an anomaly at the gold showing, and revealed a very weak conductive zone around the base metal mineralization. The results of the stripping and sampling programme did not warrant immediate drill testing of either target.

An airborne magnetometer and VLF-EM survey, which covers portions of the topographic map sheets 52C/13 and 52F/4, includes most of the property within the boundaries of Map 81507. The survey was flown for the Ontario Geological Survey, and the maps released late in 1990. Several VLF anomalies are shown as occurring within the claim group. Of the anomalies on the original property, all but one have been investigated to some degree by previous operators and the current property owners. The untested anomaly is plotted on Figure 3. It has a strike length exceeding two hundred metres, and exhibits the strongest (airborne) response of any of the anomalies on the property. The anomaly parallels a northeasterly striking lineament, and is coincident at its western end with a swamp through which lines were not cut because of standing water. At its eastern end a weak response to ground VLF was previously dismissed as being due to conductive overburden within the lineament.



LEGEND

5	Granitic Rocks
3	Tuff, Crystal Tuff
2	Andesitic Metavolcanics
1	Basaltic Metavolcanics
====	Roads
ssss	Fault
	Foliation
—▲—	VLF Conductor
—o—	HLEM Conductor
o—⊣	Diamond Drill Hole
——	Geological Contact

MINERALS

Au	Gold
Py	Pyrite
Po	Pyrrhotite
Sph	Sphalerite

FIGURE 3

MENARY TOWNSHIP PROPERTY
NORTHWESTERN ONTARIO

PROPERTY COMPILATION MAP

SCALE 1: 20,000

0 400 800 METRES

GEOLOGY

The claim group is situated along the northwestern margin of a greenstone belt of Early Precambrian age (See Figures 1 and 4). The belt strikes northeast-southwest in the area of Menary Township, and is about eight kilometres wide. Blackburn (1976) has observed two distinct sequences of metavolcanic rocks in the surrounding region. An upper sequence of mafic to felsic metavolcanics overlies a lower sequence of massive, porphyritic , and pillowed mafic flows intruded by numerous quartz-feldspar porphyry dykes. Each sequence has been subdivided into a number of zones based upon the predominant type of rock in the area. The present property encompasses the lower mafic sequence and includes a portion of each of the five zones (Blackburn, 1976). The metavolcanics young to the southeast and appear not to have been disrupted by any major folding.

Several periods of intermediate to felsic intrusive activity have been interpreted to be concurrent with deformation and regional metamorphism (Blackburn, 1976). Metamorphic grade varies from lower greenschist throughout most of the greenstone, increasing to lower amphibolite around the intrusives and the margins of the belt. Northwesterly trending diabase dykes postdate regional metamorphism.

Figures 1 and 4 illustrate the location of the property and the distribution of major rock types in the region. The claim group covers a portion of the oldest metavolcanic rocks in the area, along the contact with the Sabaskong Batholith of trondhjemitic composition.

A considerable distance to the north along the volcanic-intrusive contact, near the northeastern termination of the batholith, there is a gold showing which displays characteristics similar to one of the new showings on the Menary Township property. The Bethune Occurrence appears on Map 2430 (Edwards, 1981) and is described as a quartz vein in mafic metavolcanics near the contact with a gabbroic intrusive.

A report by Clark (1989b) describes in some detail the rock types, textures, and structures encountered on the property. The accompanying map is accurate, and the author of this report suggests only one significant modification. The distinction between the rocks mapped as andesitic and those mapped as basaltic is likely due to a subtle alteration of plagioclase to albite and epidote (+/- quartz), in proximity to the margin of the batholith; and probably does not reflect any initial difference in bulk chemistry prior to the emplacement of the batholith.

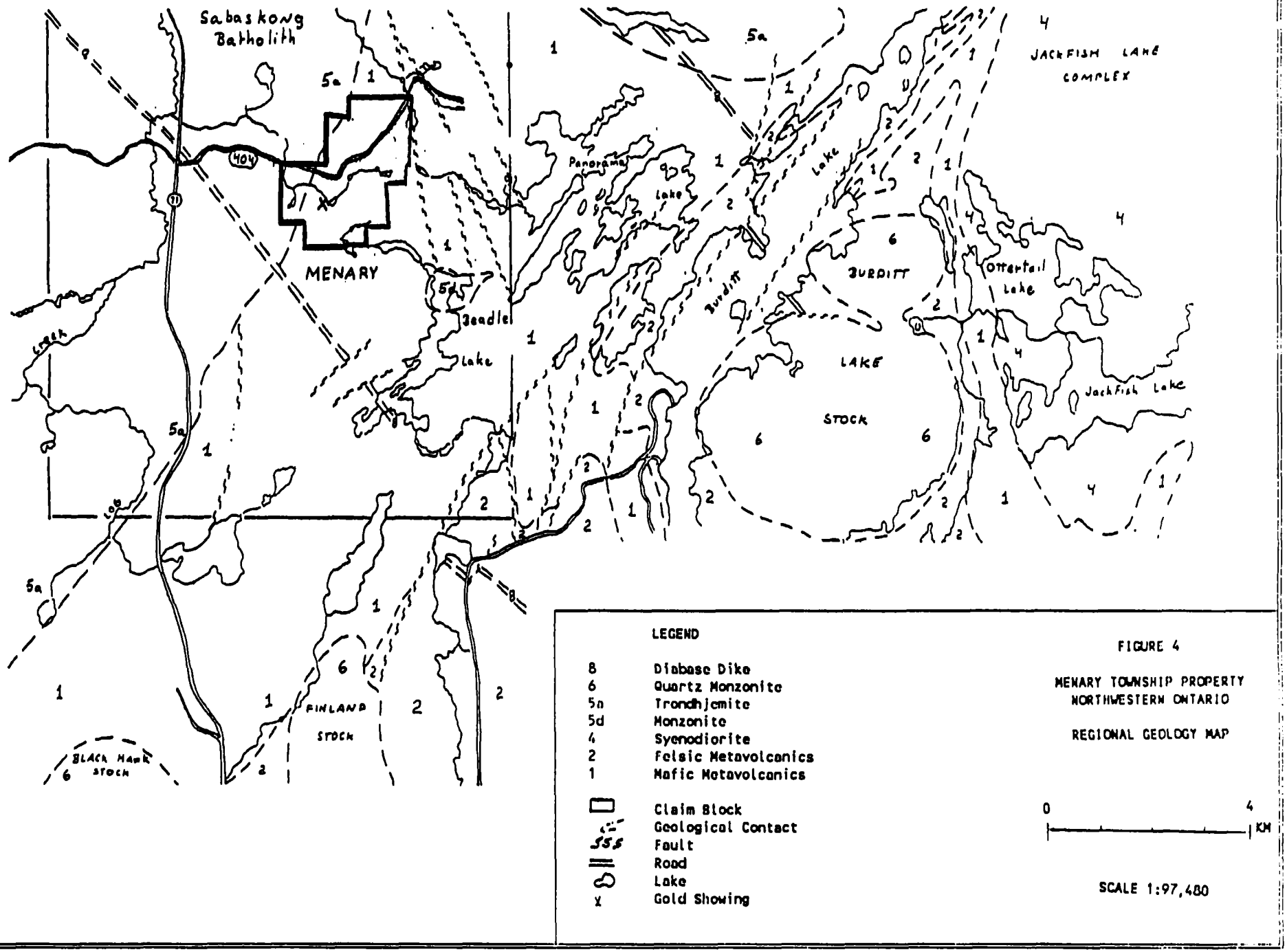


FIGURE 4

MENARY TOWNSHIP PROPERTY
NORTHWESTERN ONTARIO

REGIONAL GEOLOGY MAP

SCALE 1:97,480

A brief summary of the property's geological characteristics, from northwest to southeast, is as follows. The contact between the fairly massive rocks of the Sabaskong Batholith and the well foliated metavolcanics strikes 40 to 50 degrees, dipping sub-vertically to 70 degrees to the east. Adjacent to the batholith, there is a package of massive to pillowed metabasalts exposed for a thickness of about 400 metres in the southwest part of the property, which increases to around 1000 metres thick along the northern claim line. The pillowed flows occasionally exhibit a poorly developed variolitic texture.

Granitic dykes and numerous small bodies of feldspar and quartz-feldspar porphyry have been emplaced subparallel to the northeasterly trend of individual flows and foliation. Shear zones up to two and a half metres wide, displaying varying degrees of chloritization, calcite alteration, pyrite mineralization, and quartz veining or silicification, are not uncommon. The shears are commonest and best developed immediately adjacent to porphyries.

Overlying the package of metabasalts described above, is a series of flows containing a number of tuffaceous to chemical metasedimentary horizons. The flows range from gabbroic textured to pillowed, with porphyritic varieties occurring in places along the eastern property boundary. Altered shear zones are present in the lower section of this upper package of metabasalts, but were not seen further to the southeast.

A number of tuffaceous horizons are present in the southeastern third of the property. They range from mafic-intermediate, through to intermediate-felsic in composition, and all contain some clastic or chemical sedimentary component. The tuffs strike approximately 30 degrees and dip on average 75 degrees to the east. All of the tuffaceous horizons are sheared to some extent, but exhibit no significant alteration. Only one non-tuffaceous shear zone was found within this portion of the property, suggesting that altered and quartz veined shear zones will be largely confined to the older series of flows to the northwest, where permeability along developing shears appears to have been sufficient for large scale fluid migration during deformation.

One pyritic alteration zone with quartz stringers was found near the northeastern corner of the property, however, in contrast to the previously described zones, a strong and pervasive iron carbonate alteration had occurred, without shearing or chloritization accompanying it. The zone was found close to the edge of a sizeable body of quartz-feldspar porphyry, and likely bears some genetic relationship to it. The margins of this large body of porphyry do not appear to have been a particularly favourable site for quartz veins or gold mineralization to have developed.

PRESENT EXPLORATION PROGRAMME

The 1991 exploration programme commenced in May with three weeks of fieldwork by the Chris Wagg, assisted by Mel Galbraith of Emo, Ontario. During this period, the known gold and base metal showings were re-examined briefly, all areas exhibiting anomalous geophysical responses were prospected, and a relatively thorough search for new zones of mineralization was carried out over the entire property.

Beepmats manufactured by Instrumentation GDD Inc. were used to localize conductive zones detected by geophysical surveys, and for much of the prospecting. Beepmats are electromagnetic instruments capable of detecting sufficiently conductive or magnetic material through up to five feet of overburden. Although the beepmats did not pick up every mineralized portion of the tuffaceous horizons, they were useful in discriminating mineralization worthy of sampling from weaker mineralization containing very low base metal values.

A total of 93 rock samples were collected from the property during May. Sample locations appear either on the large maps accompanying this report, the detail map of the northern gold showing, or on the trench plans of the Wagg gold showing. Sample results are presented in Appendix I which also contains descriptions of the samples. Sample analyses were performed by Bondar-Clegg and Company Ltd. of Ottawa. Eight samples in which the presence of native gold was known or suspected were subjected to a pulp metallics (sieve) analysis. The remainder were analyzed for gold and 29 other elements with the ICP (geochemical) method.

A second period of fieldwork was completed between mid July and late August. The author was assisted during this time by Mel Galbraith of Emo, Ontario, and Robert Dillman of London, Ontario. The programme consisted of intensive prospecting of the metabasalts adjacent to the contact with the batholith. A programme of overburden trenching, using explosives and a pressure pump, was completed at the Wagg gold showing. Systematic chip and channel sampling was carried out, and the immediate vicinity of the showing was mapped at a scale of 1:500. The results of the mapping appear as Figures 7-11.

A total of ninety samples were collected from the property and the surrounding area. Forty samples were obtained from stripped quartz veins at the Wagg showing. Another eleven were collected nearby. The remaining samples were collected during prospecting, and virtually all were from quartz veins.

All samples were analyzed by Accurassay Laboratories, a division of Barringer Laboratories Limited. All of the samples from stripped areas, and a few of those obtained during prospecting were analyzed using the cyanide leach method. The remainder were fire assayed. The leach method involves crushing the sample submitted to "reject" size, randomizing, and the splitting off of a 300 gram to 1500 gram sub-sample. The sub-sample is then crushed to 98 percent -150 mesh, and about 80 percent of the pulp is tumbled in a hot cyanide solution for several hours. The cyanide solution is then analyzed for gold content, and the pulp residue fire assayed. The total gold content, and the percentage of gold recovered by cyanidation was then calculated. This method provides more statistically reliable analyses of rocks containing free gold than do either conventional fire assays or pulp metallics assays. The primary advantage of the leach method over others, is that a much larger percentage of the sample submitted is subjected to analysis. This is especially important for samples containing a sizeable grains rather than many small particles of gold.

RESULTS

The initial work on the property was focused on the sulphide bearing tuffaceous units and the results of geophysical surveys done in 1989. Samples from tuffaceous metasedimentary units typically returned gold values well below 100 ppb. Excluding one grab sample result of 1.18 percent copper, and a sample from a glacially transported boulder of 4.03 percent zinc, all copper values were below 0.4 percent, and all zinc values were below 0.6 percent.

An Ontario government airborne geophysical survey released in 1990 shows a strong conductor occurring within a swampy area in the southeastern part of the property (see Map 1). Ground geophysical surveys in 1989 did not cover the area because of the standing water and ground follow-up was not successful due to heavy overburden cover.

Several new areas of gold mineralization were discovered during prospecting and each of these are described below.

Agassiz Gold Showings

At the original gold showing, discovered by Agassiz Resources Ltd., deformed quartz lenses and stringers occur within a north-south striking, discontinuous, chloritized and calcite altered shear zone mineralized with minor pyrite (See Figure 5). The shear is up to 3.0 metres wide in places, dips sub-vertically, and is associated with the margins of irregularly shaped quartz-feldspar dykes. Grab samples of quartz lenses have returned gold values up to 1.65 oz./ton, and chip samples have returned up to 0.666 oz./ton across two metres (0.427 oz./ton across 4.0 metres) (Larouche, 1990) from an area at L 15+52 N, 12+55 E located just north of the road crossing the showing. The zone could not be traced further to the north, but it appears to be curving to the west somewhat at its northern end. The zone has been traced by stripping for about sixty metres to the south. South of the road, most chip samples have assayed only trace levels of gold. A few samples have returned values up to 0.055 oz./ton gold.

This zone was not stripped or re-sampled in 1991. Assays suggest the presence of native gold within quartz lenses and stringers, however, the sheared rock appears to carry little if any gold.

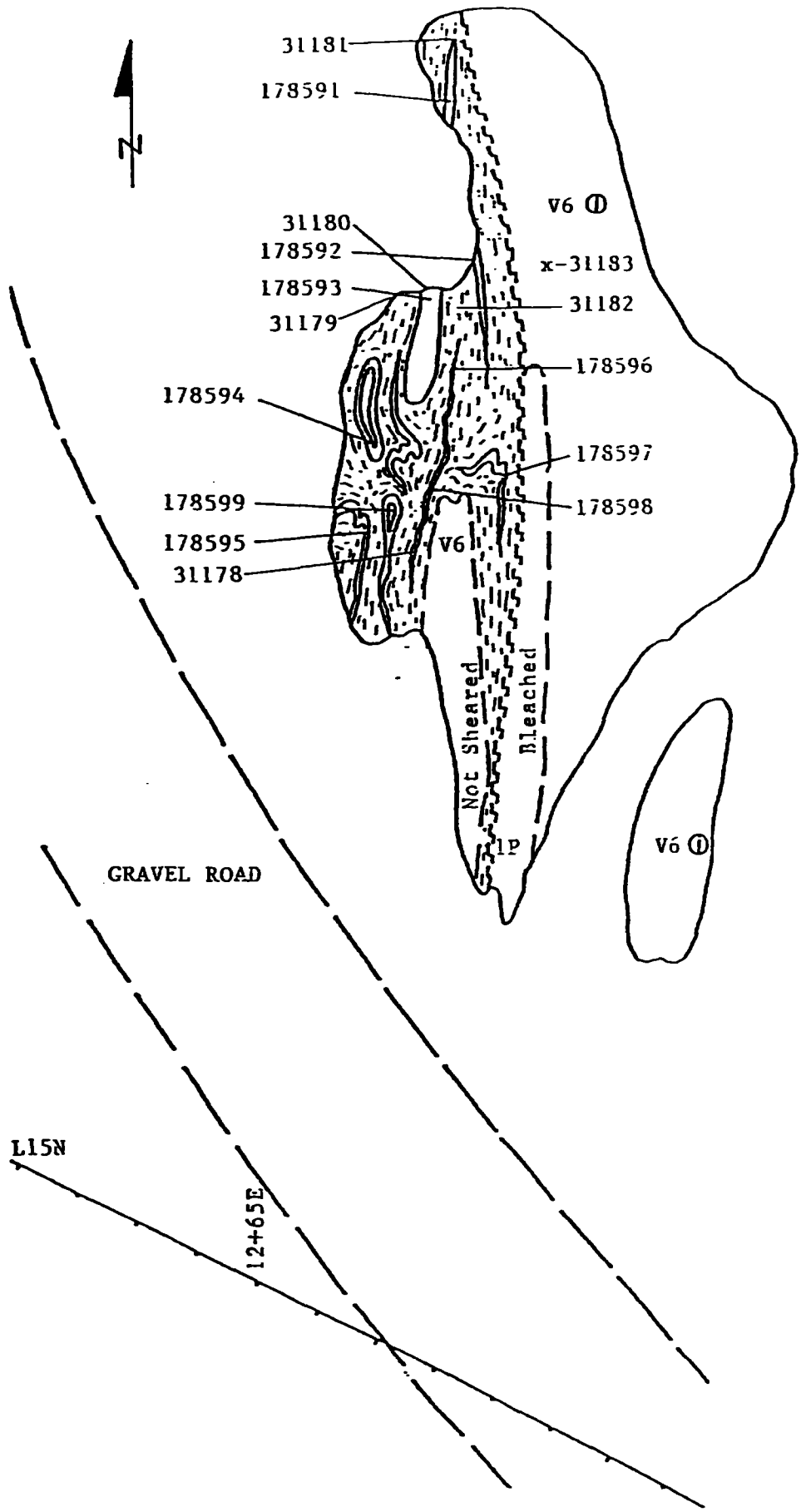


FIGURE 5

MENARY TOWNSHIP PROPERTY
NORTHWESTERN ONTARIO

MAIN SHOWING

LEGEND

1P	Porphyry
V6	Andesite
①	Pillows
	Quartz Veins
	Shear Zone Contact
	Sheared Volcanics
	Geological Contacts
17859x	Sample Number

GRAB SAMPLES

SAMPLE NUMBER	Au (ppb)	ASSAY (oz/ton)
178591	608	0.018
178592	20934	0.609
178593	21393	0.623
178594	80	0.002
178595	2191	0.064
178596	2162	0.063
178597	265	0.008
178598	1521	0.044
178599	3306	0.096
31178		0.028
31179		1.05
31180		1.65
31181		0.13
31182		0.026
31183		0.01

0 2 4 m

SCALE 1:100

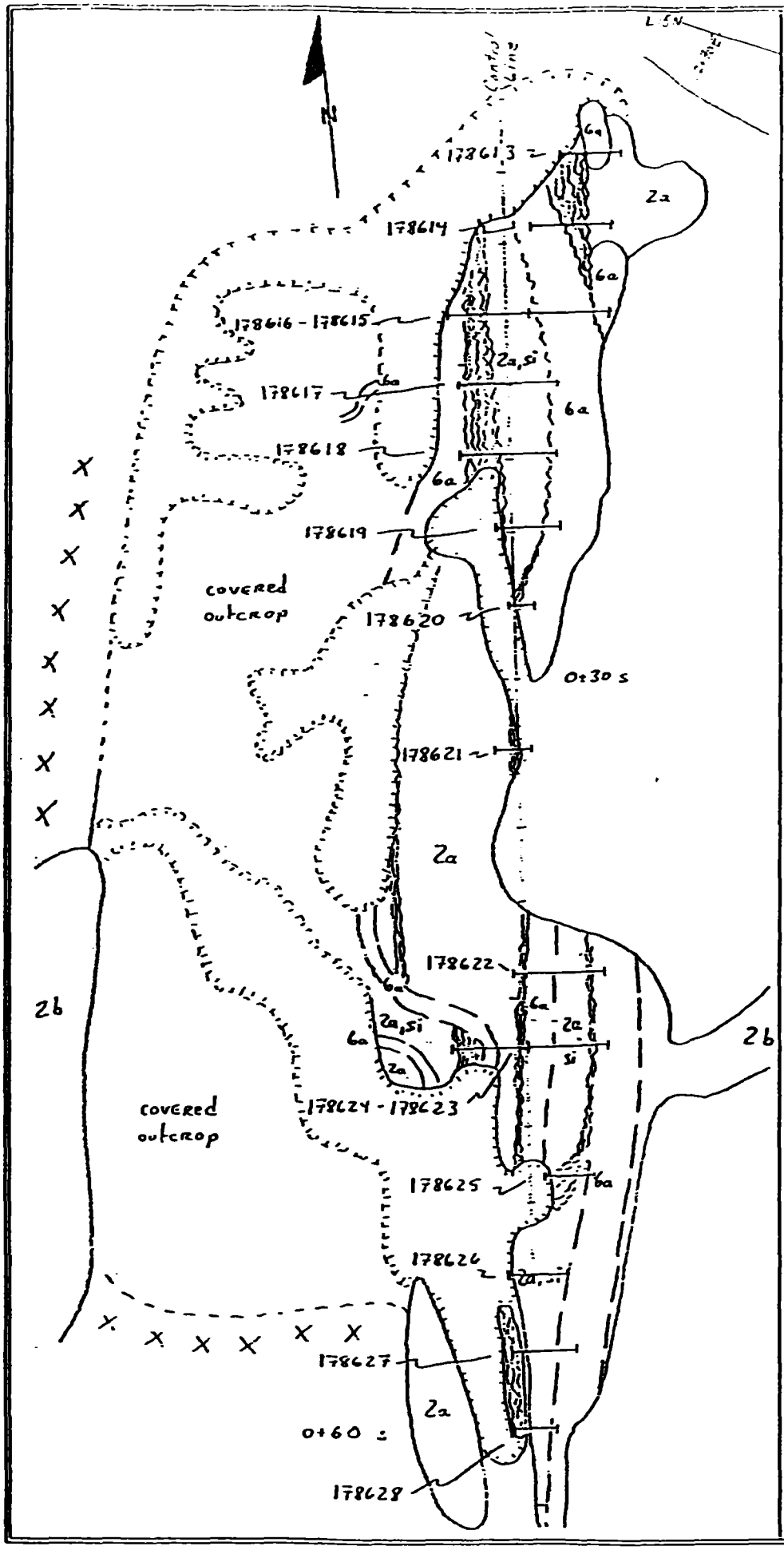


FIGURE 6

MENARY TOWNSHIP PROPERTY
NORTHWESTERN ONTARIO

SOUTHERN STRIPPED AREA

LEGEND

2a	Andesitic Flow
2b	Pillows
6a	Quartz-Feldspar Porphyry
	Chlorite Schist with Quartz Stringers (Main Showing)
si	Silicified Alteration
— —	Geological Contacts
⊥ ⊥ ⊥	Depression
x x x	Material from Trench
⊢——⊣	Chip Sample

CHIP SAMPLES

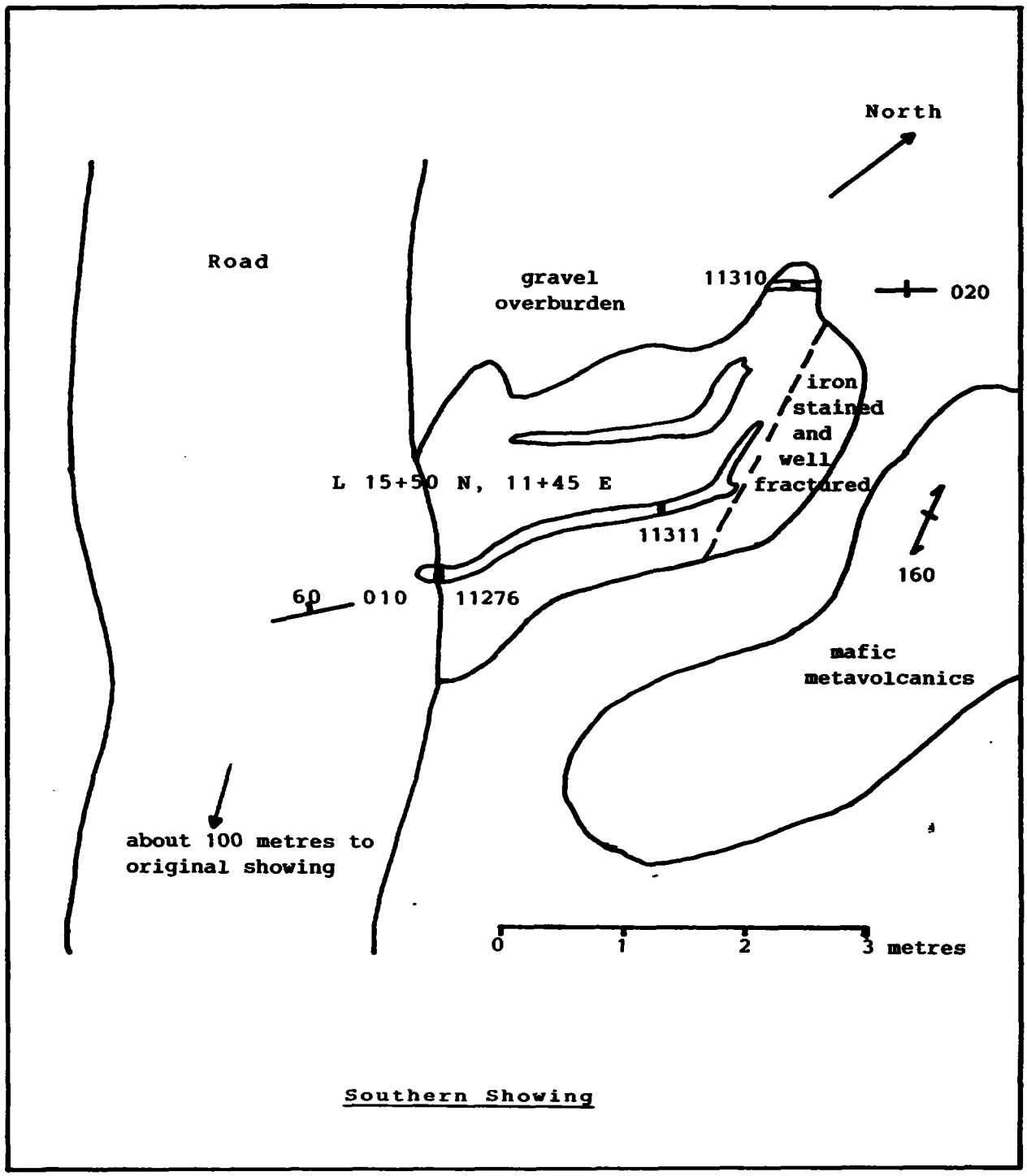
SAMPLE NUMBER	Au (ppb)	ASSAY (oz/ton)	LENGTH (metres)
178613	282	0.008	2.5
178614	47	0.001	3.5
178615	724	0.021	3.0
178616	167	0.005	3.5
178617	1898	0.055	4.0
178618	27	0.001	4.0
178619	202	0.006	2.5
178620	15	<.001	1.0
178621	10	<.001	1.0
178622	10	<.001	4.0
178623	8	<.001	3.5
178624	6	<.001	3.0
178625	1377	0.040	2.0
178626	12	<.001	2.5
178627	7	<.001	2.5
178628	7	<.001	2.0

0 10

SCALE 1:250

About 100 metres to the west of the original showing, (L15+50N, 11+50E) a new gold showing was discovered during the present work programme. Grab samples from quartz lenses have assayed 0.376, 0.987 (1.129 check), and 2.548 ounces per ton gold. Several closely spaced quartz lenses strike 10 to 20 degrees and dip sub-vertically to about 60 degrees westerly. The stripped area and sample locations are depicted in Figure 6. The lenses measure about ten centimetres wide by two to three metres long, and appear to fill dilation/fracture zones within well foliated to weakly sheared mafic metavolcanics. The quartz is sugary and iron stained, and contains several percent fine pyrite and a similar amount of chlorite disseminated as flakes. There is no noticeable alteration to wallrocks. The stripping could not be continued to the north or west due to increasing depth of the gravelly overburden. No evidence of veining was observed immediately across the road to the south.

About 100 metres across strike to the west from the latter showing, a poorly exposed zone of silicification and veining was grab sampled in three locations near L15+50N, 10+50E (See Map 3). The samples returned gold values of 1467 ppb (0.043 oz./ton), 49 ppb, and 75 ppb. No mineralization was observed within any of the samples. The zone approaches 2.5 metres in width where exposed, strikes north-south, and dips about 75 degrees to the west. The silicious zone outcrops again about 25 metres to the south, but was not sampled at this point.



Southern Showing

FIGURE 12

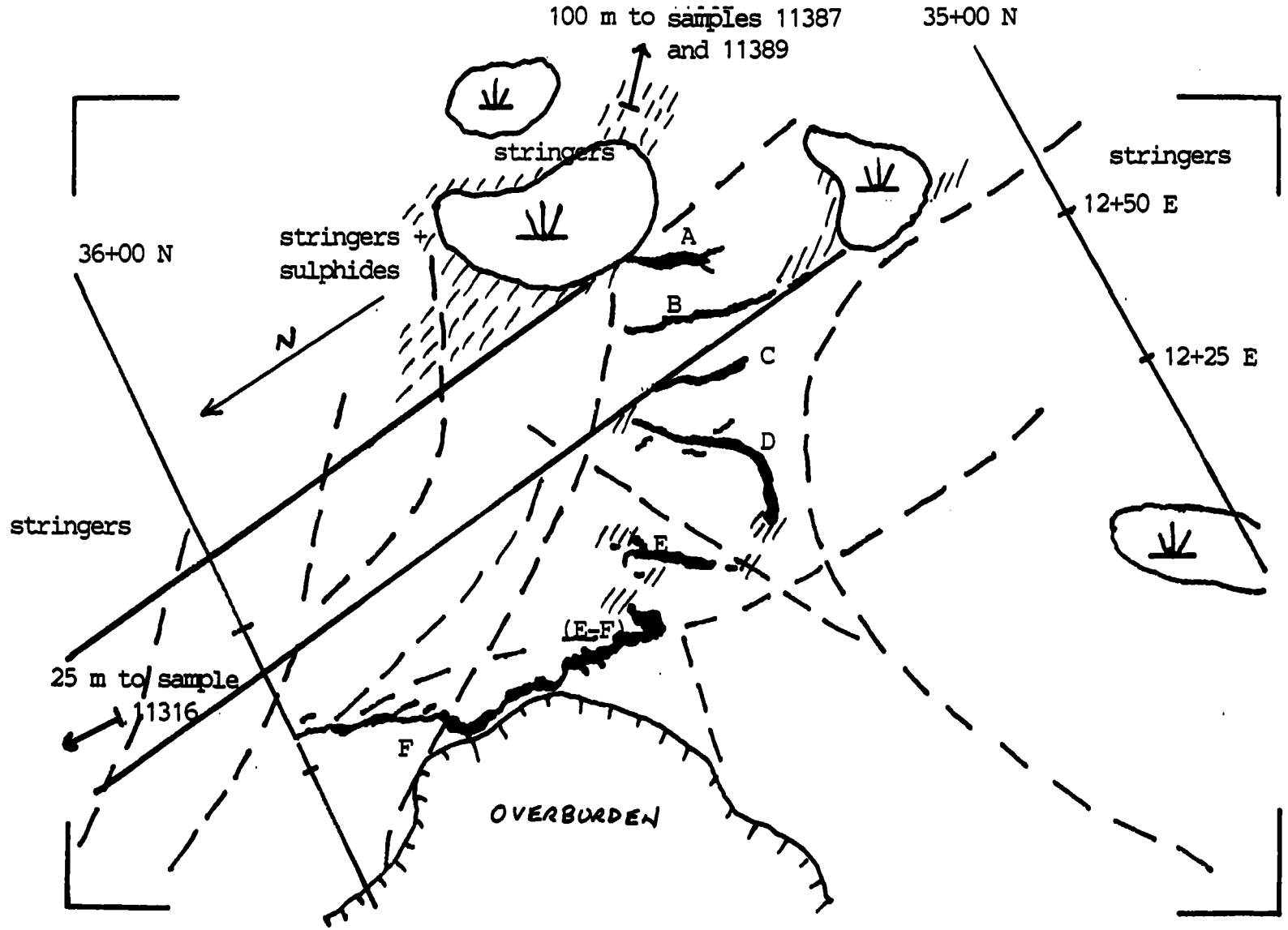
Wagg Gold Showings

During the summer stripping and sampling programme, the area around the Wagg Showing was mapped at a scale of 1:500. Following a mechanical stripping programme completed in September, new exposures of quartz were sampled. Figure 7 shows the position of each of the main veins that were sampled. This figure was derived from a photo taken from above from a helicopter and this slightly oblique view was used as a key map for photos of individual veins in Appendix 2.

Figures 8-11 show all samples taken from the major veins at the Wagg Showing. Additional samples numbered 11432 to 11461 were collected every 15 to 25 meters, beginning at the granitic contact and extending in an easterly direction to cross the area of the Wagg showing. The samples were analyzed for gold and 29 other elements by the ICP method in order to determine if there is an identifiable alteration halo, trace element enrichment or depletion in the country rocks in the vicinity of the gold mineralized quartz veins.

Figure 7 shows how the distribution of the major quartz lenses that have been stripped suggests that they are folded boudins resulting from several periods of deformation which affected a single continuous quartz vein. The quartz lenses commonly display bifurcations and irregular offshoots. Evidence of both brittle and ductile deformation can be recognized in the veins and the surrounding country rock. The lenses pinch and swell, and frequently exhibit tight minor folds which plunge moderately to steeply, primarily to the south. Walls of the major quartz lenses vary from curvilinear to jointing controlled, and smaller more planar veins frequently jump irregularly along joints while maintaining a relatively constant north to northeasterly strike.

The quartz lenses which have been exposed by stripping average from 0.5 to 2.0 metres in width, and most dip steeply to the west. "Vein D", which trends roughly east-west at the south end, dips to the north.



A — QUARTZ VEINS

FIGURE 7
VEIN LOCATIONS
WAGG SHOWING

SCALE 1CM = 10m

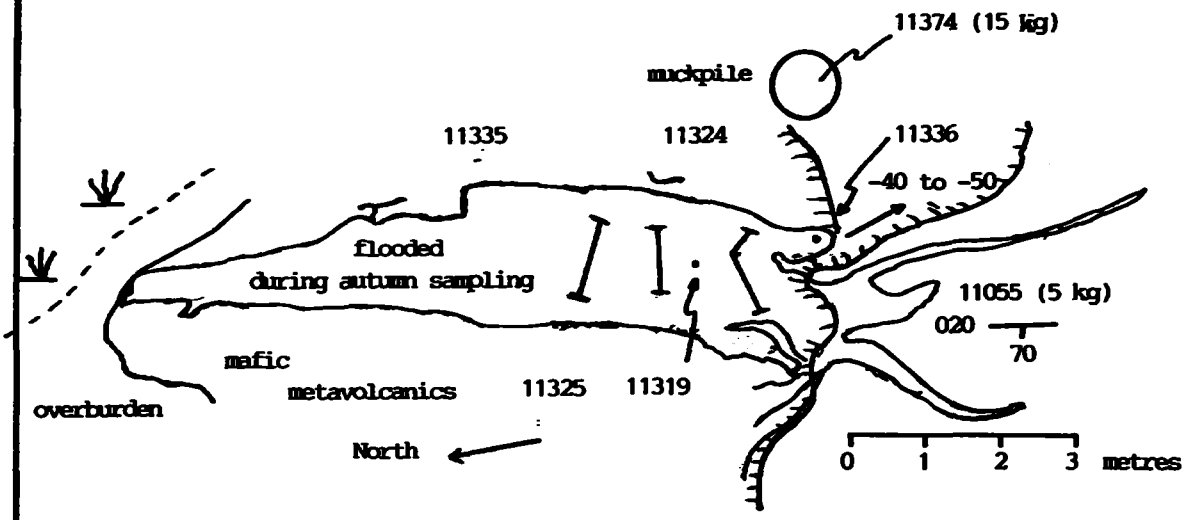
Vein A is located at the most easterly point of the zone (See Figure 8). Here a 0.5 to 1.75 meter wide vein was uncovered for a length of about 13 meters. At the south end the vein terminates into quartz stringers and at the north end the vein runs into a swamp. A 10 kilogram, representative, composite sample from this vein averaged 0.939 ounces per ton gold. The arithmetic average of 7 samples taken in the quartz vein was 2.932 oz/ton. The following samples were taken from this vein;

Sample	Type	Gold(oz/ton)	Comment
11055	grab	0.064	quartz
11319	grab	3.171	quartz
11324	channel(1.0 m)	2.848	quartz
11325	channel(0.85 m)	0.765	quartz
11335	chip(1.0 m)	0.778	quartz
11336	grab	11.96	quartz

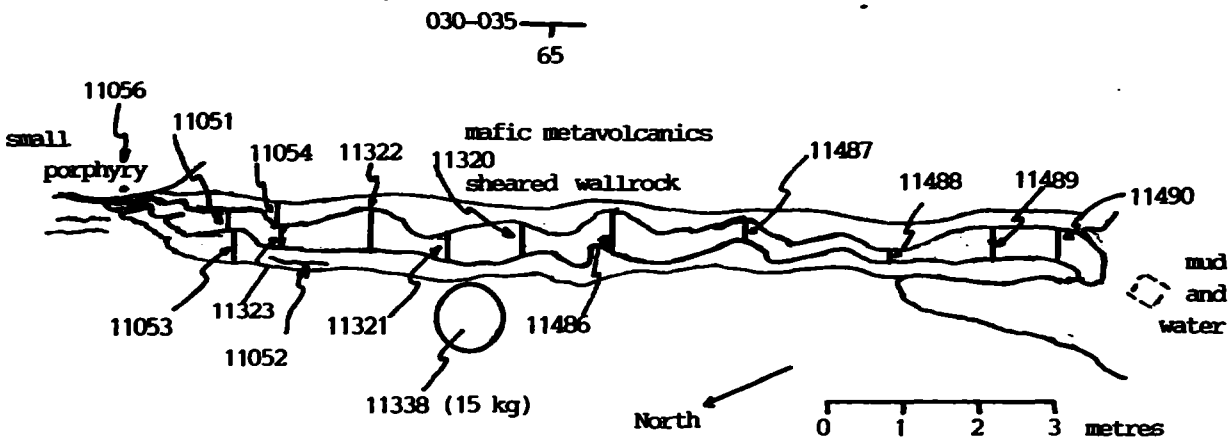
Further sampling of this vein was not possible due to flooding at the north end.

Vein B was located about 10 meters west of Vein A (See Figure 8). The vein here averages 0.5 meters in width and was traced for about 13 meters. At the north end the vein is cut by a porphyry intrusive and at the south end the vein runs into an area that was covered with mud and water. A 10 kg, composite sample of the vein assayed 1.046 oz/ton gold. The arithmetic average of eleven samples taken in the quartz was 1.251 oz/ton. The following are the samples taken on this vein;

Sample	Type	Gold(oz/ton)	Comment
11051	chip(0.3 m)	0.215	quartz
11052	grab	108 ppb	mafic
11053	chip	61 ppb	mafic
11054	chip	48 ppb	mafic
11056	grab	20 ppb	porphyry
11320	channel(0.6m)	0.425	quartz
11321	channel(0.45 m)	0.074	quartz
11322	channel(0.7 m)	0.166	quartz
11323	channel(0.35 m)	0.080	quartz
11486	chip(0.6 m)	3.576	quartz
11487	chip(0.4 m)	0.082	quartz
11488	chip(0.2 m)	1.475	quartz
11489	chip(0.5 m)	6.495	quartz
11490	chip(0.3 m)	0.127	quartz



Vein A



Vein B

FIGURE 8

Vein C was located about 20 meters west of Vein B (See figure 9). The vein averaged 0.45 to 0.75 meters wide and was traced for a length of 12 meters. At the north end the vein appears to be terminated by a bedrock lineament and at the south end the vein appears to terminate at the end of the outcrop. The arithmetic average of six samples taken in the quartz was 1.912 oz/ton. The following samples were taken from this vein;

Sample	Type	Gold(oz/ton)	Comment
11043	grab	0.033	wallrock
11044	chip(0.6m)	9.149	quartz
11045	chip(0.7m)	0.259	quartz
11046	grab	1.435	quartz
11048	grab	0.017	quartz
11346	chip(0.45m)	0.607	quartz
11347	chip(0.75m)	0.005	quartz

In Vein D, located about 15 meters west of Vein C, the vein was 0.7 to 0.85 meters wide and was traced for about 24 meters (See figure 9). The vein appears to be open at both ends. A 10 kg composite sample from this vein averaged 1.406 oz/ton gold. At the east end of the trench a composite sample was made from 5 in-situ blocks of quartz covering a length of about 1.75 meters and this sample assayed 0.345 oz/ton gold. The arithmetic average of sixteen samples taken in the quartz was 0.786 oz/ton. The samples from the Vein D are as follows;

Sample	Type	Gold(oz/ton)	Comment
11330	chip(0.85 m)	1.598	quartz
11331	chip(0.75 m)	0.449	quartz
11332	chip(0.7 m)	0.411	quartz
11333	chip(0.7 m)	0.311	quartz
11334	chip(0.65 m)	0.010	mafic and qtz
11340	chip(1.75 m)	0.345	qtz, along strike
11478	chip(0.5 m)	0.310	quartz offshoot
11479	chip(0.5 m)	0.194	quartz and wallrock
11480	chip(0.4 m)	2.292	quartz
11481	chip(0.3 m)	0.404	quartz
11482	chip(0.2 m)	0.228	quartz
11483	chip(0.5 m)	0.477	quartz offshoot
11484	chip(0.25 m)	0.475	quartz
11485	chip(0.5 m)	0.089	quartz
11486	chip(0.6 m)	3.576	quartz

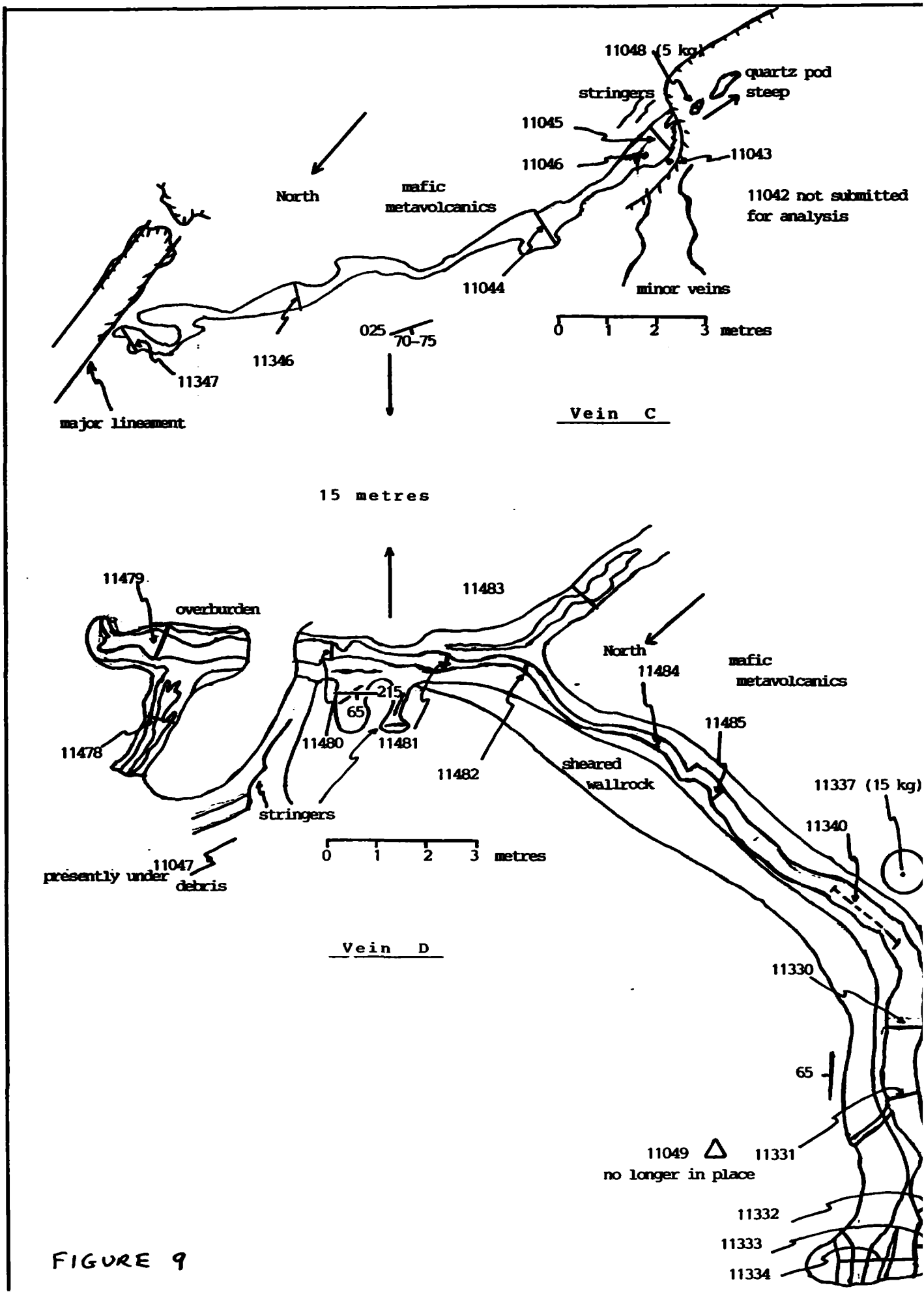

11048 (5 kg)
quartz pod
stringers
steep
11045
11046
11043
North
mafic
metavolcanics
11042 not submitted
for analysis
11044
minor veins
0 1 2 3 metres
025
70-75
11346
11347
major lineament
Vein C
15 metres
11479
overburden
11483
North
11484
mafic
metavolcanics
215
65
11485
11478
11480
11481
11482
sheared
wallrock
11337 (15 kg)
stringers
11340
0 1 2 3 metres
11047
presently under
debris
Vein D
11330
65
11049
11331
no longer in place
11332
11333
11334

FIGURE 9

Vein E was located about 10 meters north of the south end of Vein D and the quartz vein here varied from 0.8 to 0.9 meters in width and was traced for a length of about 11 meters (See Figure 10). The vein appears to be open at both ends. A 10 kg composite sample from this vein averaged 2.045 oz/ton gold. The arithmetic average of ten samples taken from the quartz was 1.274 oz/ton. The following samples were taken from this vein;

Sample	Type	Gold(oz/ton)	Comment
11326	chip(0.8 m)	0.092	quartz
11327	chip(0.9 m)	1.766	quartz
11328	chip(0.85 m)	2.517	quartz
11329	grab	4.086	quartz
11473	chip(0.3 m)	0.094	quartz
11474	chip(1.1 m)	0.354	qtz, along strike
11475	chip(0.5 m)	0.889	quartz
11476	chip(0.7 m)	0.714	quartz
11477	chip(0.9 m)	0.183	quartz

Vein F starts at about 20 meters north of Vein E and extends for about 46 meters north (See Figure 10 and 11). The vein varies from 0.3 to 2.0 meters wide and possibly connects with Vein E to the south and terminates at a porphyry intrusive to the north. A secondary offshoot vein parallels Vein F about 2 to 5 meters southeast of Vein F. Assays from the offshoot vein were considerably lower than those from Vein F. A 10 kg composite sample from Vein F assayed 0.850 oz/ton. The arithmetic average of twenty three samples taken from the quartz was 1.137 oz/ton. The following samples were taken from this vein;

Sample	Type	Gold(oz/ton)	Comment
11059	chip(1.0m)	1.479	quartz
11060	grab	0.002	quartz
11061	chip(0.3m)	0.151	quartz
11341	chip(0.7m)	3.054	quartz
11342	chip(0.85m)	2.135	quartz
11343	chip(0.6m)	1.966	quartz
11344	chip(0.3m)	0.890	quartz
11345	chip(1.5m)	0.044	quartz
11348	chip(1.3m)	1.383	quartz
11349	grab	7.453	silicified zone
11350	chip(1.1m)	0.260	quartz
11351	chip(1.35m)	0.460	quartz
11352	chip(0.5m)	0.096	quartz
11353	chip(0.4m)	0.040	quartz
11354	chip(0.5m)	0.074	quartz
11355	chip(0.9m)	0.093	quartz
11356	chip(0.25m)	0.085	quartz

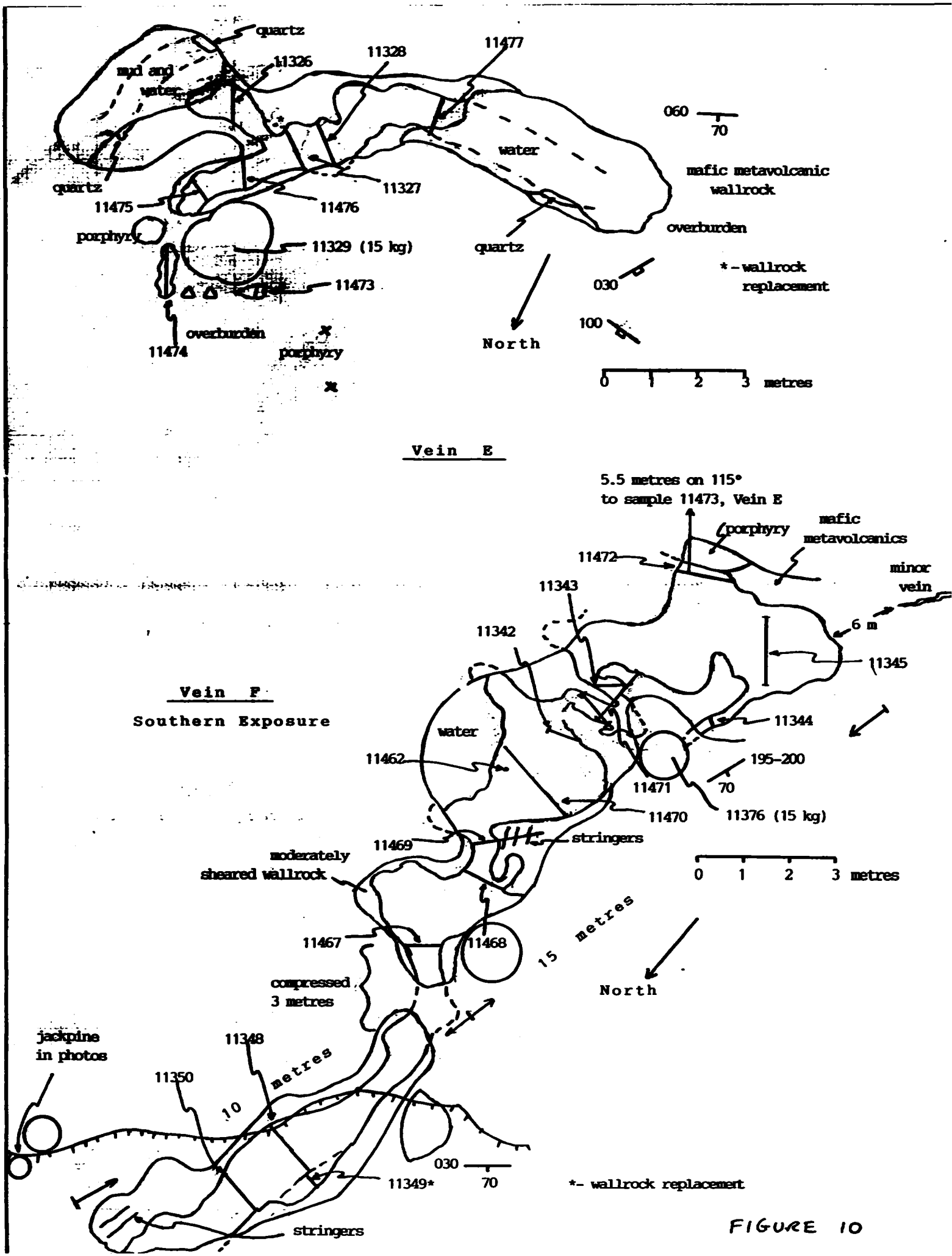

quartz
11328
11477
11326
mud and water
060
70
water
mafic metavolcanic wallrock
quartz
11327
11475
11476
overburden
porphyry
11329 (15 kg)
quartz
*-wallrock replacement
030
11473
100
overburden
11474
porphyry
North
0 1 2 3 metres
Vein E
5.5 metres on 115°
to sample 11473, Vein E
porphyry
mafic metavolcanics
11472
minor vein
11343
6 m
11342
11345
Vein F
Southern Exposure
11344
water
11462
195-200
11471
70
11470
11376 (15 kg)
11469
stringers
moderately sheared wallrock
0 1 2 3 metres
15 metres
11467
11468
North
compressed 3 metres
jackpine in photos
11348
11350
10 metres
030
11349*
70
*- wallrock replacement
stringers

FIGURE 10

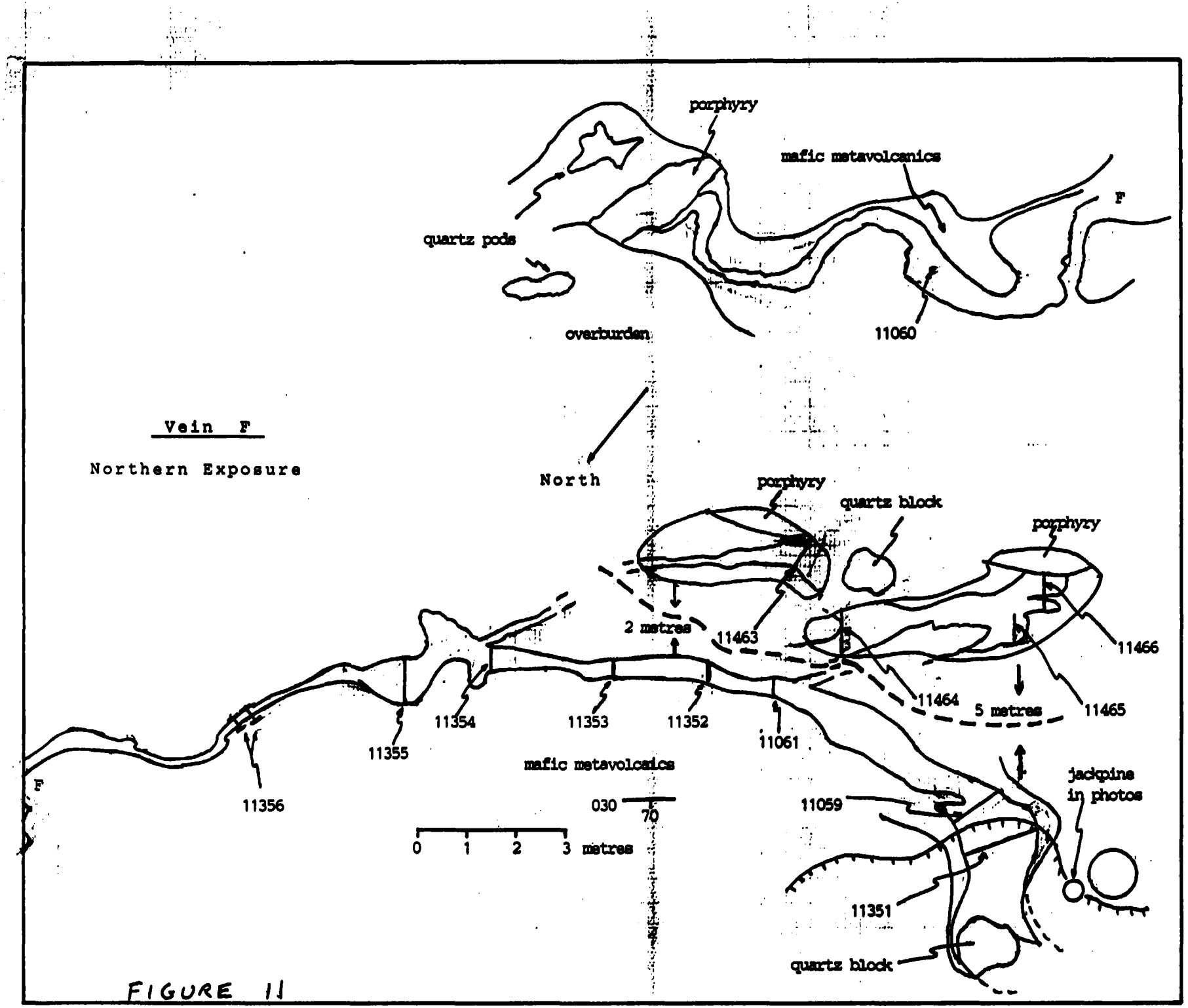

porphyry
mafic metavolcanics
F
quartz pods
overburden
11060
Vein F
Northern Exposure
North
porphyry
quartz block
porphyry
2 metres
11463
11466
11464
5 metres
11465
11354
11353
11352
11355
11061
11356
mafic metavolcanics
F
030
70
jackpine
in photos
11059
0 1 2 3 metres
11351
quartz block

FIGURE 11

11462	grab	7.007	quartz
11463	chip(0.45 m)	162 ppb	offshoot quartz
11464	chip(0.6 m)	192 ppb	offshoot quartz
11465	chip(0.6 m)	15 ppb	offshoot quartz
11466	chip(0.8 m)	47 ppb	offshoot quartz
11467	chip(0.75 m)	1.318	quartz
11468	chip(1.0 m)	1.068	quartz
11469	chip(1.5 m)	0.033	quartz and wall
11470	chip(2.0 m)	2.329	quartz
11471	chip(1.5 m)	0.815	quartz and wall
11472	chip(1.5 m)	0.082	quartz

The veins are composed of fine to medium grained sugary quartz, and vary in colour from white to light brown to dark red. The veins tend to be fairly porous throughout, and vuggy sections are common.

Mineralization consists of fine to occasionally coarse native gold, one to two percent fine pyrite, lesser chalcopyrite often coated by covellite, and minute quantities of bornite, molybdenite and native copper. Hematite and limonite amount to one to two percent of the veins as stain and vug coatings. Black hematite crystals were observed at one location and traces of tourmaline have been observed within float vein material. A pinkish-white mineral that may be either a weathering product or a species of potassium feldspar was encountered with some regularity along fractures and the walls of sealed fissures. Gold is most abundant near and along vein walls, in and around vuggy portions of the veins, and in areas exhibiting some degree of structural complexity or strong iron staining. There appears to be little if any correlation between local sulphide abundance and gold content.

Country rock is essentially unaltered adjacent to most veins, and contacts are generally sharp. This appears to indicate that the veins were emplaced along dilation zones controlled by fracturing and jointing. Immediately adjacent to some veins, the rock is more strongly foliated than in the surrounding outcrops. In these areas the rock commonly contains one to 2 percent pyrite, pyrrhotite, or chalcopyrite, and exhibits subtle chloritization, and possibly tourmalinization. Along the margins of Veins B and D for up to 0.5 metres on either side, a sheared, silicified zone with quartz stringers is mineralized with several percent pyrite. Sampling of this zone did not yield appreciable gold values to date.

As can be seen on Figure 7, the zone of veining can be described as an arcuate zone about 125 metres in length and up to 25 metres in width. It extends from about L 36+00 N, 12+15 E around to L 35+40 N, 12+85 E. Several promising assays have been returned by samples taken along strike from either end of the zone of veining. Sample 11316 from L 36+43 N, 12+22 E, where a large number of quartz blocks were discovered, returned 0.238 oz./ton gold. Limited explosive stripping at this location failed to uncover any quartz vein, but given the number of pieces of quartz and the southeasterly direction of ice advance, it is assumed that a source vein is located nearby. At the south end of Vein A, around L 35+00N, 13+75E, a number of veins up to 0.2 metres wide were discovered. Two were observed to contain native gold. Grab samples 11387 and 11389 returned 1.820 and 0.287 oz./ton gold respectively. The results from the three samples indicate that there is potential for additional veining to be discovered in the vicinity of the showing through additional stripping or diamond drilling.

Galbraith Gold Showings

While prospecting in September, Mel Galbraith collected samples from several zones of quartz veining where visible gold was noted. (See Map 1)

At the Galbraith A showing, the original sample was obtained from a poorly exposed 5 to 10 cm wide vein similar in colour and texture to those at the Wagg showing. A poorly exposed vein ranging from 0.5 to 1.5 meters wide, was located about 30 meters north of the first vein. A grab sample taken from this vein assayed 2418 ppb gold. When the showing was revisited a grab sample of the most reddish quartz from the vein was taken and assayed 3.038 oz/ton gold. A grab sample taken from a vein about 20 meters to the west returned 0.002 oz/ton.

At the Galbraith B showing, the initial sample was collected from rubble adjacent to a metavolcanic outcrop. Subsequent hand stripping uncovered several red, sugary quartz stringers, less than 10 cm wide, occurring within a meter of a small porphyry dike. Two grab samples consisting of quartz and lesser volcanic wallrock assayed 2.859 and 1.868 oz/ton gold. Visible gold was observed in the latter sample. A grab sample of porphyry assayed 0.011 oz/ton gold.

A large number of quartz veins occur in the surrounding area, some of which were sampled. About 40 meters north of the Galbraith B occurrence, three grab samples returned 0.023, 0.008, and 0.017 oz/ton gold. A further 25 meters west a quartz pod measuring 0.3-1.0 wide by 10, meters long and open at both ends assayed 0.005 oz/ton in a grab sample and 0.076 (check 0.103) oz/ton in a 0.3 meter chip sample. Two additional veins in the area returned 0.004 and 0.010 oz/ton gold from grab samples.

Other Gold Showings

A large number of additional quartz veins and shear zones were sampled for their potential to host gold mineralization. Samples from four areas of the property returned gold values worthy of mention. (See Maps 2 and 3)

The area around L 29+00 N, 13+25 E was expected to return values comparable to those obtained from the original gold showing. A 2.4 metre wide, chloritized and calcite altered, pyritic, shear zone in mafic volcanics contains a 0.15 metre wide hematite stained, sugary vein of quartz. The zone occurs adjacent to a sheared and altered quartz-feldspar porphyry, containing narrow quartz stringers and carrying several percent pyrite. Although the zone did not return any appreciable gold values, its presence is an encouraging sign. Further work in the immediate area may reveal additional structures or mineralization.

A grab sample taken from a 0.2 to 0.5 metre wide quartz vein exposed for about 20 metres near L 27+55 N, 21+00 E returned a value of 851 ppb gold, and slightly elevated values of chromium, silver, tellurium, lead and bismuth. No further work has been done at this location since the sample was taken.

A grab sample of loose angular vein quartz returned 2059 ppb, 1253 ppb and 2064 ppb gold (average 0.052 oz./ton) from L 21+15 N, 13+10 E, near the major fault striking subparallel to the metavolcanics in the central part of the property. When this area was revisited in August, traces of native gold were observed in the loose piece of rock from which the initial sample was taken. It remains uncertain if the piece sampled is of local origin. Veins exposed in the immediate vicinity have a slightly different texture, and appear to be too narrow to be the source of the loose rock. A grab sample of a narrow quartz vein with sheared wallrocks returned a value of 267 ppb gold (0.008 oz./ton). The presence of quartz veining and several small bodies of porphyry adjacent to a major lineament, and the presence of a 0.5 metre wide quartz vein about 175 metres to the north, suggests that there is some potential for gold mineralization associated with the fault.

DISCUSSION

Several companies have in the past examined various parts of the property in search of base metal mineralization. Results suggest that both the grade and tonnage of the mineralized horizons are too low to constitute an economic deposit in the foreseeable future. However, previous work has missed the strongest airborne VLF anomaly that occurs within the claim group. An Ontario government airborne geophysical survey released in 1990 shows a strong conductor occurring within a swampy area in the southeastern part of the property. Ground geophysical surveys did not cover the area because of the standing water. The conductor should be evaluated further as it may be due to better base metal mineralization than any yet encountered on the property. Other sulphide mineralization located on the property did not appear to respond to the airborne geophysical survey.

Gold mineralization has been discovered in several areas of the property during the present investigation. Gold values seem to be restricted to quartz veins within mafic metavolcanics, with the better values being obtained from veins in the older series of mafic flows along the contact with the batholith. Porphyry and felsic dykes are common within this part of the metavolcanic stratigraphy. Shear zones occurring around porphyry intrusions occasionally host gold bearing quartz veins, and it is likely that both the porphyry melts, and the gold bearing fluids responsible for the quartz veining, were generated by the same fundamental processes in the course of regional metamorphism and felsic intrusive activity.

Several new gold showings have been discovered on the property during the present work programme. One of these was exposed immediately next to a road, only about a hundred metres from the Agassiz showing. The Wagg showing, located two kilometres to the north, contains abundant visible gold, and was well enough exposed that it should have been discovered by past work. This indicates that surface prospecting for gold in the vicinity of the property has been of a cursory nature in the past and should be included in all future exploration programmes.

On a regional scale, the contact between the batholith and the metavolcanics may be an excellent exploration target. The similar stratigraphic positioning of other gold occurrences in relation to the batholith contact would seem to imply this. Access to the batholith margin northeast of the property is quite poor, and in all likelihood this area has seen only very limited prospecting.

Within the claim group, quartz veins at the Agassiz showings contain ore-grade gold mineralization, but are narrow and discontinuous. The gold occurs with chlorite and minor pyrite in two different types of quartz veining. The original showing is lenses and pods of cracked and sealed, fairly massive and fine grained, white quartz within sheared volcanics. The shear zone occurs alongside a folded quartz-feldspar porphyry and appears to cross the dyke in places. The newer showing is stringers or small lenses of brownish, medium grained, sugary quartz filling fractures in relatively unsheared volcanics. The style of veining and its high grade bear more resemblance to the Wagg showing than to the Agassiz showing nearby. Additional closely spaced, high grade lenses, or a larger vein may be found nearby. Much of the surrounding bedrock is covered by a layer of gravel at least a half metre thick. There is a possibility of encountering quartz veins mineralized with gold of either type in this area through additional stripping and diamond drilling.

At the Wagg showing a significant occurrence of gold is in the early stages of evaluation. A number of quartz lenses cross-cut or truncated by small pods of porphyry have been exposed by stripping and found to contain ore grade concentrations of native gold and trace quantities of sulphide minerals. Many small veins and stringers are present around and between the larger lenses. Although the lenses appear to be boudins attributable to polyphase deformation of a single large vein, many features observed suggest the existence of a fracture controlled vein system.

The Wagg showing is best described as an arcuate zone of veining measuring about 125 metres long and up to 25 metres wide. A concentration of quartz blocks along strike to the north, and the presence of native gold in two narrow veins along strike to the southeast suggest that further work will extend the zone of veining along strike in both directions. As the showing has not yet been drilled, the vertical extent of the larger quartz lenses and of the zone as a whole is uncertain.

Sampling to date has concentrated on determining the average grade of the larger lenses/veins. Assay results suggest grades likely in excess of 1.0 oz./ton gold for most of the larger lenses. Because of the way native gold is distributed, smaller veins and stringer zones can best be sampled by trenching or drilling.

CONCLUSIONS

There appears to be little potential for the discovery of a base metal deposit on the property, however, one strong airborne VLF anomaly merits further investigation.

There are several zones of vein hosted gold mineralization worthy of further work on the Menary Township property. At least one (Wagg showing) may be of sufficient size and grade to be a potentially economic deposit. A considerable amount of surface work, diamond drilling, and bulk sampling will need to be completed before the significance of the showings can be properly be assessed.

RECOMMENDATIONS

1) Detailed prospecting should be done on all of the newly acquired claims. To date this has been the most effective method for finding new gold showings.

2) The known gold showings should be investigated to see if there is a geophysical or geochemical signature associated with the gold mineralization. If a signature could be found this would aid in the exploration of ground covered in overburden.

3) Recently discovered gold showings should be stripped and sampled in detail, especially the Galbraith A and B gold showings.

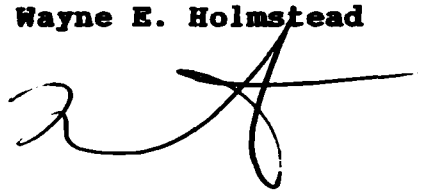
4) The conductor detected by the airborne survey should be covered by cut lines and surveyed by magnetic and electromagnetic instruments. Basal till sampling may aid in identifying the source of the conductor.

5) A bulk sample should be taken at the Wagg Showing to see if the gold may be extracted with a small scale mining set-up.

6) The Wagg Showing should be drilled to determine the depth extent of the gold mineralization.

Chris Wagg

Wayne E. Holmstead



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CERTIFICATION

I, Christopher Anthony Wagg, residing at R.R.#1, village of Denbigh, Ontario, K0H 1L0, do hereby certify that:

1... I hold a Bachelor of Science degree (Honours Geology) received at the University of Western Ontario in 1989.

2... I have been employed as a consulting geologist since 1987, and have been practicing my profession continuously since 1989.

3... My report on the Menary Township Property of Western Troy Capital Resources Inc., is based upon a review of published and unpublished information concerning the property and the surrounding area, and upon personal knowledge of the property's geology obtained over the course of approximately three months of fieldwork completed between April and November of 1991.

4... My report on the Menary Township Property has been written entirely, and in all respects, as an independent consultant.

5... I hold no interest, direct or indirect, in the properties or securities of Western Troy Capital Resources Inc., or in any adjacent properties, nor do I intend to acquire any such interest.

Dated this 10th day of December, 1991,

Christopher A. Wagg

Prop. Lot 17/Exploration Reg'd.

Wagg Mineral Exploration
and Consulting Inc. (1991)

CERTIFICATE

I, Wayne E. Holmstead, of the City of Kingston in the Province of Ontario, DO HEREBY CERTIFY THAT:

1. I am a Consulting Geologist with address at 1074 Dillingham Street, Kingston, Ontario, Canada.

2. I graduated from the University of Toronto with a Bachelor of Science in Geology in 1976 and have been practising my profession since.

3. I am a Director of Western Troy Capital Resources Inc. and I hold a 1% Net Smelter Return on the property that is the subject of this report.

4. This report is based upon the sources listed in the Bibliography and from my personal experience on the property as Managing Consultant for the exploration programme.

Dated at Kingston, Ontario, this 15th day of December, 1991.

Wayne E. Holmstead, B.Sc.

APPENDIX 1

SAMPLE DESCRIPTIONS AND ASSAYS

Abbreviated Descriptions of All Samples Collected from the Menary Township Property and Vicinity by C.A. Wagg during 1991.

Sample	Type	Material	Mineralization
11226	Grab	Tuffaceous horizon	Minor Py and Po
11227	Grab	Agglomeratic tuff	Minor Py, tr Cp
11228	Grab	Felsic-Int. tuff	5% Py and Po, tr Cp
11229	Grab	Sheared tuff, quartz and porphyry stringers	—
11230	Grab	Tuffaceous horizon	Minor Py
11231	Grab	Quartz vein	Minor Chl, tr Py and Ma
11232	Grab	Same vein as 11231	Tr Py
11233	Chip	20 cm shear in Pillowed Volcanics	—
11234	Grab	Tuffaceous horizon	Minor Po and Py
11235	Grab	Sheared agglomeratic tuff, quartz stringers	Minor Py
11236	Chip 2.4 m	Sheared volcanics with quartz stringers	Minor Py
11237	Chip 1.0 m	Sheared Volcanics	Minor Py
11238	Grab	Quartz pod in tuff	Minor Chl, tr Py
11239	Grab	Angular quartz rubble	5% Py
11240	Grab	Tuffaceous horizon	Minor Py, tr Po and Cp
11241	Grab	Tuffaceous horizon	5-10% Py, tr Po and Cp
11242	Grab	Quartz vein in tuff	5% Py, tr Po and Cp
11243	Grab	Tuffaceous horizon	5% Py, minor Po, tr Cp
11244	Grab	Angular vein quartz	Tr Cp and Py
11245	chip 2.0 m	Sheared, calcite alt. volcanics	Minor quartz stringers, tr Py
11246	Grab	Narrow quartz vein	—
11247	Chip 1.0 m	Quartz stringers in felsic dyke	Minor Chl, tr Py
11248	Grab	Quartz stringers and pods in sheared volc.	Minor Py
11249A	Grab	Silicified volcanics	5-10% Py
11249B	Grab	Epidote rich felsic intrusive	Minor Py
11250	Grab	Iron carbonate alt. volc., quartz stringers	Minor Py
11251	Grab	Sheared and altered volcanics	10% Py
11252	Grab	Sheared, iron-carb. volcanics	Minor Py and Chl +/- Fuch
11253	Grab	Sheared porphyry	Tr Py
11254	Grab	20 cm wide quartz vein	Minor Chl,Py, tr Tourm, Calcite
11255	Grab	Intermediate volcanics	5% Py

11256	Grab	10-15 cm quartz vein	—
11257	Grab	Loose vein quartz	—
11258	Chip 1.7 m	Iron-carb. alt. porphyry with quartz stringers	Minor Py
11259	Grab	Stringer rich porphyry	Minor Py
11260	Chip 2.4 m	Sheared, calcite alt. volcanics	Minor Py
11261	Grab	10-15 cm quartz vein hosted within 11260	—
11262	Chip 1.6 m	Tuffaceous horizon	5-10% Py, tr Cp
11263	Chip 2.5 m	Tuffacouus hprizon	5-10% Py
11264	Grab	10-15 cm quartz vein	Minor Py
11265	Grab	Silicified volcanics with quartz stringers	Minor Py, tr Po and Cp
11266	Grab	Loose vein quartz	Minor Chl, tr Py
11267	Grab	Sheared volcanics	5% Py, minor Po
11268	Chip 0.8 m	Sheared, silicified tuffaceous horizon	5% Py and Po, Minor Cp and Sp
11269	Grab	Silicified material	2-3% Sp
11270	Grab	Loose quartz vein	Tr Py, Po, Chl
11271	Grab	Silicified wallrock	Minor Py, Po, tr Cp, Sp
11272	Grab	Silicified volcanics	5% Py
11273	Grab	Tuffaceous horizon	Minor Py, Po, tr Cp
11274	Grab	Tuffaceous horizon	Minor Py, Po tr Cp
11275	Grab	Tuffacoues horizon	Minor Py, Po
11276	Grab	15 cm qtz vein	Minor Py and Chl
11277	Grab	Silicified tuff	5% Py, tr Sp
11278	Grab	Subangular float, silicified tuff	Minor Py, Sp, tr Cp
11279	Grab	Wallrock to 11277	Tr Py
11280	Grab	Silicified volcanics	Tr Py
11281	Grab	Tuffaceous horizon	Minor Py, Po, tr Cp
11282	Grab	Quartz vein to 1.0 m	Minor Py, Po, Chl, tr Cp, Cu
11283	Grab	Tuffaceous horizon	5% Py, Po, tr Cp
11284	Grab	45 cm wide quartz vein	Tr Py, Te
11285	Grab	Tuffaceous horizno	Rep. explosives sample
11286	Grab	Tuffaceous horizon	Rep. explosives sample
11287	Grab	Tuffaceous horizon	Minor Po
11288	Grab	Tuffaceous horizon	Minor Po, tr Cp
11289	Grab	Tuffaceous horizon	5% Po, tr Cp
11290	Chip 1.0 m	Sheared volcanics	Minor Po
11291	Grab	Silicified volcanics	Minor Py
11292		Carpenters farm, Sutherland Twp.	
11293		Hick's field, Senn Twp.	
11294		Off Lake Area	
11295		Off Lake Area	
11296		Off Lake Area	
11297		Off Lake Area	
11298		Off Lake Area	
11299		Off Lake Area	
11300	Grab	Tuffaceous horizon	5-7% Po, Py, Minor Cp, tr Sp

11026	Grab	Tuffaceous horizon	Minor Py, trCp
11027	Grab	Tuffaceous horizon	Minor Py, Po, tr Cp
11028	Grab	Tuffaceous horizon	Minor Pc, Py, tr Cp
11029	Grab	Tuffaceous horizon	Minor Po, tr Cp
11030	Chip 75 cm	Porphyry with quartz stringers	Minor Py
11031	Grab	Quartz stringers	Tr Py
11032	Grab	Sheared volcanics with qtz. stringers	Minor Py
11033	Grab	Sheared volcanics	Tr Py
11034	Grab	Tuffaceous horizon	Minor Py, Po
11035	Grab	Tuffaceous horizon	10-15 % Cp, 5% Po
11036	Grab	Quartz vein	—
11037	Grab	Quartz vein	—
11038	Grab	Porphyry and sil. volc.	Minor Py
11039	Grab	Tuffaceous horizon	15% Po, tr Cp
11040	Grab	Tuffaceous horizon	Minor Po, Py, tr Cp
11041	Grab	Quartz vein	10% Chl, tr Po
11042	no sample submitted		

Wagg Showing Area

11043	Grab	Unremarkable wallrock to vein C	2-3% fine Po and Py, tr Cp
11044	Chip 0.6 m	Vein C	tr-1% Py, native Au
11045	Chip 0.7 m	Vein C	unexamined
11046	Grab	Vein C, barren looking, with native gold (1 speck) removed	
11047	Grab	Minor vein between D and E	—
11048	Grab	Vein C, loose block weighing about 5 kg	unexamined
11049	Grab	Loose quartz (vein D?)	Tr Py, Cp, Tourm
11050	Grab	15 cm wide vein about 10 m east of 11387	Tr cp, Ma, Py
11051	Chip 0.25m	Channel, north end of vein B	unexamined
11052	Grab	10 cm wide minor vein in hanging wall of B	—
11053	Chip 0.45m	Sheared hanging wall of vein B	3-5% Py, tr-1% Cp
11054	Chip 0.3 m	Sheared footwall of vein B	2-3% Py, 5-10% stringers
11055	Grab	7 kg; rep. of original exposure of vein A	Tr Py
11056	Grab	Porphyry pod at north end of vein B	1% Py
11057	Grab	0.5 to 1.0 m diameter quartz boulders 150 m NW of showing	1% Py (with granitic inclusions)
11058	Grab	Quartz porphyry	Tr Py
11059	Chip 1.0 m	Vein F	unexamined
11060	Grab	Centre of N end of vein F	White and barren of mineralization
11061	Chip 0.3 m	Vein F and wallrock/ inclusions	unexamined

11301	Grab	1.0 by 0.15 m quartz lens	—
11302	Grab	Alt. zone with quartz stringers	2-3% Py
11303	Grab	Quartz stringers	Tr Py
11304	Grab	Sheared volcanics	Minor Py, Po
11305	Grab	Quartz veins and quartz porphyry	—
11306	Grab	Quartz stringers in porphyry	—
11307	Grab	Quartz and Porphyry	Tr Py
11308	Chip 0.6 m	Quartz stringers in hybrid grante or porphyry	Minor Py
11309	Chip 0.3 m	Alt., magnetic volcanics	Minor Py
11310	Grab	5 cm wide quartz vein Southern stripped area	Tr Py
11311	Grab	10-15 cm wide quartz vein Southern stripped area	Tr Py, Chl
11312	Grab	Quartz stringers in volcanics	Tr Py
11313	Grab	30 cm wide quartz vein	Tr Py
11314	Grab	Loose vein quartz	Tr Py
11315	Grab	Quartz pod	—
11316	Grab	Large sample of vein quartz rubble	—
11317	Grab	Silicious porphyry with stringers	1% Py
11318	Grab	Quartz vein to 20 cm wide	—

Wagg Showing Area

11319	Grab	Centre of Vein A; rep of high grade pocket	Native Au, tr Py, Cp
11320	Channel 0.6 m	Vein B	unexamined
11321	Channel 0.45m		
11322	Channel 0.7 m		
11323	Channel 0.35m	Vein B	
11324	Channel 1.0 m	Vein A	
11325	Channel 0.85m	Vein A	
11326	Chip 0.8 m	Vein E	
11327	Chip 0.9 m		
11328	Chip 0.85m		
11329	Grab	Vein E; rep. of high grade pocket	unexamined native Au
11330	Chip 0.85m	Vein D	unexamined
11331	Chip 0.75m		
11332	Chip 0.7 m		
11333	Chip 0.7 m		
11334	Chip 0.65m	Vein D; wallrock and stringers	
11335	Chip 1.0 m	Vein A	
11336	Grab	Vein A; high grade pocket along contact of antiformal fold	unexamined native Au

Wagg Showing Area

11337	Bulk	Vein D; 15 kg of small pieces	unexamined
11338	Bulk	Vein B	unexamined
11340	Chip 1.75m	Vein D; non-continuous chip along strike of vein	"
11341	Chip 0.65m	Vein F	"
11342	Chip 0.85m	Vein F	"
11343	Chip 0.6 m	Vein F	"
11344	Chip 0.3 m	Vein F	"
11345	Chip 1.2 m	Vein F	"
11346	Chip 0.45m	Vein C	"
11347	Chip 0.75m	Vein C, north end	"
11348	Chip 1.3 m	Vein F	unexamined
11349	Chip 0.3 m	Vein F, hanging wall Silicification and stringers	native Au
11350	Chip 1.1 m	Vein F	unexamined
11351	Chip 1.35m	Vein F	"
11352	Chip 0.5 m	Vein F	"
11353	Chip 0.4 m	Vein F	"
11354	Chip 0.5 m	Vein F	"
11355	Chip 0.9 m	Vein F	"
11356	Chip 0.25m	Vein F	unexamined
11339	Grab	Quartz pod	Tr Py
11357	Grab	Quartz stringers to 10 cm wide in 1 m wide shear	—
11358	Grab	Quartz vein to 50 cm wide	Minor Chl, tr Py
11359	Grab	Quartz vein to 45 cm wide	—
11360	Grab	Quartz vein to 60 cm wide	—
11361	Grab	5 cm wide vein in porphyry	Minor Py
11362	Grab	Sheared volcanics adjacent to porphyry	Minor Py
11363	Grab	Quartz pod	—
11364	Grab	Quartz vein	Minor sericite, Chl, Py
11365	Grab	Quartz stringers in volc.	—
11366	Grab	Quartz vein to 30 cm wide	5% Chl, 2-3% Fe-carb, tr Py
11367	Grab	Quartz stringers	Tr Py
11368	Grab	Subrounded vein qtz. float	Minor Py, tr Cp
11369	Grab	Tuffaceous horizon	Minor Po
11370	Grab	30 cm wide stringer zone in 1 m wide shear in volc.	Tr Py, Cp
11371	Grab	Tuffaceous horizon	Minor Po, tr Cp
11372	Grab	Quartz stringers in tuff	Tr Py
11373	Grab	10-30 cm wide quartz vein	located about 3 km S of property

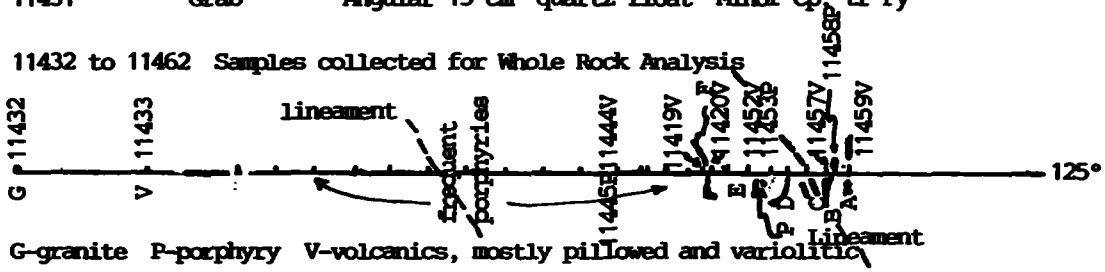
Wagg Showing Area

11374	Bulk	Vein A	unexamined
11375	Bulk	Vein E	"
11376	Bulk	Vein E-F (Vein F, south end)	"

11377	Off Lake Area		
to	Off Lake Area		
11385	Off Lake Area		
11386	Grab	Angular vein quartz	—
11387	Grab	10-20 cm wide quartz vein located about 100 m SE of Vein A	Native Au
11388	Grab	Quartz vein to 50 cm wide exposed for 8 m	2-3% Chl,1% Py, 1-2% Hm, tr Ser
11389	Grab	8-15 cm wide quartz vein exposed for 2 m	Native Au, 1% Py, Po
11390	Grab	Quartz stringer zone	Tr Py
11391	Grab	Quartz pod	Minor Chl
11392	Grab	Stringer-sil.-alt.-sulphide zone 25 m NW of vein A (on Strike)	Sample 30% stringers to 1 cm
11393	Grab	Stringer zone in alt. volcanics	Chl vs. Gnt-Biot banding Minor Chl, tr Cp
11394	Grab	10 cm by 2.5 m quartz pod	—
11395	Grab	15 cm wide stringer zone	—
11396	Grab	Small quartz vein	1% Cp
11397	Grab	20 cm wide quartz vein	Ser along contacts
11398	Grab	Porphyry dyke with quartz stringers in and around it—	
11399	Grab	Quartz stringer in loose angular volcanics	—
11400	No Sample Submitted		
11401	Grab	20-30 cm by 10 m vein	1% Chl, Py, tr Cp
11402	Grab	Quartz vein to 1.5 m wide next to a porphyry dyke	Some volcanic inclusions
11403	Grab	Narrow vein filling joint	1% Py
11404	Grab	Quartz pods in porphyry	Minor Chl
11405	Grab	15-200 cm wide quartz pods	Tr Py, Chl alt. inclusions
11406	Grab	Narrow quartz pods	1% Py, tr Mo
11407	Grab	Quartz viens/stringers	
to		along the contact between	
11409	Grab	greenstone and granite	Minor Py
11410	Grab	Quartz vein avg. 45 cm in a stringer zone	Tr Py
11411	Grab	Sev. pods to 25 cm by 6 m	Minor Chl, tr Py
11412	Grab	Same as 11411 but 3 m awaw across strike	Minor coarse Py
11413	Grab	Quartz stringers less than 10 cm wide occurring near a small porphyry dyke	Tr silicification 1% Py
11414	Grab	Same as 11413	Native Au, 1% Py
11415	Grab	Porphyry of 11413, 11414	Tr Py
11416	Grab	Quartz vein to 30 cm by	
to		15 m occurring 25 m NW of	
11418	Grab	11413-11415	1-2% Py, tr Cp
11419	Grab	30-100 cm by 10 m vein in	
and		3 m wide stringer zone;	
11420	Grab	25 m W of 11416-11418	Minor Chl, tr-1% Py
11421	Grab	30-40 cm wide quartz vein	Minor Chl, tr Cp, Py

11422	Grab	Vein quartz rubble	Minor Py, Cp, tr Ma
11423	Grab	Same as 11407-11409	Tr Py
11424	Grab	Narrow quartz vein in iron-carb. alt. shear	Minor Py, Ank
11425	Grab	Quartz pod	tr Py, Cp
11426	Grab	Subrounded quartz boulder, porphyry or granite wrock	Minor Py
11427 to 11429	Grab	Quartz veins in a wide chl shear along (fault?) contact Between greenstone + granite	Minor Py
11430	Stream sed.	Collected from creek running along 11427-11429 zone	
11431	Grab	Angular 15 cm^2 quartz float	Minor Cp, tr Py

11432 to 11462 Samples collected for Whole Rock Analysis



G-granite P-porphyry V-volcanics, mostly pillowed and variolitic

S-sheared wallrock Q-vein quartz

0 25 50 metres

11460S-vein D 11461S-vein B 11462Q-High sulphide(2-3%) from vein F

Wagg Showing Area

11463	Chip 0.45m	Minor vein several m	--
11464	Chip 0.6 m	east of vein F	--
11465	Chip 0.6 m	"	1-2% Py, tr Mo
11466	Chip 0.8 m	"	unexamined
11467	Chip 0.75 m	Vein F	unexamined
11468	Chip 1.0 m	Vein F	"
11469	Chip 1.5 m	Vein F (45 cm vein remainder wrock with stringers)	
11470	Chip 2.0 m	Vein F (vein only)	
11471	Chip 1.5 m	Vein F (along strike of vein trend, across trend of fold noses; 50% altered wallrock)	
11472	Chip 1.5 m	Vein F (parallel to contact with porphyry)	
11473	Chip 0.3 m	Vein E	"
11474	Chip 1.1 m	Vein E (sample along strike; exposed width 25 cm)	
11475	Chip 0.5 m	Vein E	unexamined
11476	Chip 0.7 m	Vein E	"
11477	Chip 0.9 m	Vein E (did not reach W contact due to water)	
11478	Chip 0.5 m	Minor vein; offshoot from vein D	
11479	Chip 0.5 m	Vein D (25% sheared wallrock)	
11480	Chip.3-.4 m	Vein D	unexamined
11481	Chip 0.3 m	Vein D	"
11482	Chip 0.2 m	Vein D	"
11483	Chip 0.5 m	Minor vein; offshoot from vein D	
11484	Chip 0.25m	Vein D	"
11485	Chip.4-.5 m	Vein D	"
11486	Chip.55-.6m	Vein B	unexamined

Wagg Showing Area

11487	chip.35-.4m	Vein B	unexamined
11488	Chip 0.2 m	Vein B	"
11489	Chip 0.5 m	Vein B	"
11490	Chip 0.3 m	Vein B	"
11491	Grab	Quartz stringers in Chl and calcite alt. volc. float	tr Py
11492	Grab	Quartz stringers in Chl and iron-carb. alt. volc. float	Minor Chl, Py, tr Fuch

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Geochemical Lab Report

REPORT: 091-41694.0 (COMPLETE)

DATE PRINTED: 7-JUN-91
PROJECT: WESTERN TROY PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Al PCT	Fe Tot PCT	Mn PPM	Mg PCT	Ca PCT	Na PCT	K PCT	V PPM	Cr PPM	Co PPM	Ni PPM
11226		0.73	2.14	200	0.30	1.62	0.02	0.14	42	132	21	57
11227		1.48	5.39	400	1.20	1.19	0.04	0.42	67	184	51	67
11228		1.44	>10.00	800	0.48	2.05	0.01	0.09	32	95	162	161
11229		0.72	1.91	200	0.41	1.10	0.04	0.24	35	135	18	43
11230		1.05	3.56	200	0.33	1.88	0.03	0.08	51	137	30	70
11231		2.98	4.68	600	3.22	0.86	<0.01	0.05	78	410	32	87
11232		1.12	2.21	300	1.08	0.83	0.02	0.05	37	239	15	42
11233		5.38	7.70	1100	5.85	1.78	<0.01	0.02	193	543	49	140
11234		0.88	2.84	200	0.48	1.35	0.02	0.07	39	180	31	105
11235		0.95	3.03	300	0.85	0.95	<0.01	0.07	45	150	13	35
11236		2.68	5.89	600	2.15	2.84	0.03	0.11	115	141	38	111
11237		5.01	6.08	900	5.35	3.39	0.01	0.04	115	291	46	163
11238		0.86	1.81	200	0.57	0.65	0.05	0.04	24	166	18	37
11239		1.93	6.06	300	1.55	1.33	0.02	0.41	76	132	99	112
11240		1.72	5.13	300	1.23	1.01	0.01	0.22	63	92	66	116
11241		2.08	5.32	400	1.68	1.09	0.02	0.38	89	111	73	99
11242		0.49	3.82	200	0.48	0.86	<0.01	0.24	27	158	80	60
11243		2.80	6.07	500	2.30	1.48	0.03	1.65	121	171	55	82
11244		0.31	0.98	100	0.12	0.56	<0.01	0.03	14	153	7	30
11245		4.40	7.42	1200	3.54	6.42	0.02	0.04	235	167	38	97
11246		0.92	1.82	400	0.53	0.93	0.01	<0.01	26	238	12	43
11247		0.52	1.21	200	0.36	0.42	0.06	0.08	14	158	5	11
11248		0.94	3.59	300	0.81	1.17	0.03	0.27	37	151	60	65
11249A		1.81	8.05	500	1.31	0.93	0.04	0.09	50	162	59	78
11249B		1.20	1.53	200	0.21	3.58	0.02	0.01	47	111	17	35
11250		0.17	2.44	400	0.45	1.91	0.02	0.10	11	181	11	26
11251		1.32	5.91	1400	2.92	>10.00	0.02	0.65	76	59	48	73
11252		0.65	5.95	1200	2.04	9.31	0.02	0.28	37	102	56	93
11253		1.03	1.39	200	0.58	0.77	0.05	0.13	15	51	8	10
11254		0.05	1.30	100	0.07	0.07	<0.01	<0.01	4	222	2	7
11255		0.48	3.78	400	0.32	5.17	0.03	0.26	61	234	54	62
11256		0.12	1.70	200	0.05	0.14	0.02	0.06	7	161	7	14
11257		<0.01	0.70	<1	<0.01	0.02	<0.01	0.01	2	217	1	4
11258		0.58	1.42	300	0.22	0.69	0.06	0.24	8	80	7	11
11259		0.26	1.04	200	0.03	0.10	0.09	0.10	4	104	6	10
11260		4.27	6.96	1500	3.77	8.08	<0.01	0.33	148	208	44	88
11261		0.44	2.04	200	0.43	0.09	<0.01	0.10	20	225	8	22
11262		1.13	6.79	200	0.59	0.73	0.01	0.16	42	89	98	141
11263		0.92	4.94	100	0.46	0.60	0.01	0.17	22	84	63	84
11264		0.83	1.37	200	0.33	2.18	0.02	0.02	48	222	9	13

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	As PPM	Sr PPM	Y PPM	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM
11226		381	22	<5	19	5	10	<0.2	<0.2	<20	<5	<10
11227		714	39	<5	14	7	6	<0.2	<0.2	<20	<5	<10
11228		2343	2602	<5	7	6	5	<0.2	3.6	<20	<5	<10
11229		268	101	10	14	4	30	<0.2	<0.2	<20	<5	<10
11230		827	50	11	23	7	4	0.3	<0.2	<20	5	<10
11231		245	70	17	5	3	2	<0.2	<0.2	<20	14	13
11232		65	29	<5	7	3	2	<0.2	<0.2	<20	<5	<10
11233		40	93	13	10	8	<1	<0.2	<0.2	<20	<5	<10
11234		411	23	<5	10	5	<1	<0.2	<0.2	<20	<5	<10
11235		97	36	9	5	4	1	<0.2	<0.2	<20	<5	<10
11236		216	103	26	24	10	12	<0.2	<0.2	<20	<5	<10
11237		70	68	34	12	6	5	<0.2	<0.2	<20	12	13
11238		159	22	6	8	5	2	0.2	<0.2	<20	<5	<10
11239		373	44	7	14	9	274	<0.2	<0.2	<20	<5	<10
11240		543	34	16	13	8	34	<0.2	<0.2	<20	6	<10
11241		324	47	6	11	8	98	<0.2	<0.2	<20	<5	<10
11242		696	18	<5	2	2	5	<0.2	<0.2	<20	<5	<10
11243		431	71	16	11	8	52	<0.2	<0.2	<20	<5	11
11244		175	7	<5	5	2	2	<0.2	<0.2	<20	<5	<10
11245		110	91	12	27	13	10	<0.2	<0.2	<20	<5	<10
11246		47	19	9	8	2	3	<0.2	<0.2	<20	6	<10
11247		21	19	7	13	2	2	<0.2	<0.2	<20	<5	<10
11248		57	20	<5	15	5	<1	<0.2	<0.2	<20	<5	<10
11249A		643	194	15	15	4	4	<0.2	<0.2	<20	8	<10
11249B		73	55	9	48	8	1	<0.2	<0.2	<20	<5	<10
11250		58	17	<5	28	2	2	<0.2	<0.2	<20	5	<10
11251		371	61	12	160	5	2	<0.2	<0.2	<20	6	11
11252		171	48	9	142	4	5	<0.2	<0.2	<20	<5	15
11253		16	34	<5	43	3	<1	<0.2	<0.2	<20	<5	<10
11254		9	2	<5	1	<1	2	0.6	<0.2	<20	<5	22
11255		272	8	<5	56	3	<1	1.3	<0.2	<20	5	10
11256		49	10	<5	4	2	<1	0.2	<0.2	<20	<5	<10
11257		5	1	<5	<1	<1	<1	<0.2	<0.2	<20	<5	<10
11258		30	29	5	22	2	<1	0.2	<0.2	<20	6	<10
11259		8	8	<5	7	3	<1	<0.2	<0.2	<20	<5	<10
11260		125	79	28	51	9	2	<0.2	<0.2	<20	10	11
11261		16	15	9	7	2	7	<0.2	0.5	<20	5	<10
11262		775	2418	6	16	8	7	<0.2	5.0	<20	<5	<10
11263		716	2091	20	18	8	8	0.4	4.5	<20	7	11
11264		293	26	<5	7	3	2	0.2	<0.2	<20	<5	<10

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PROJECT: WESTERN TROY PAGE 1C

SAMPLE NUMBER	ELEMENT UNITS	Ba PPM	La PPM	W PPM	Pb PPM	Bi PPM	Hg PPB	Au PPB	AUR1 PPB	AUR2 PPB
11226		21	2	<20	7	<5	7	5		
11227		19	<1	<20	3	<5	<5	<5		
11228		13	3	<20	10	9	6	132		
11229		17	3	<20	4	7	<5	<5		
11230		12	2	<20	5	11	<5	<5		
11231		9	<1	<20	8	10	7	<5		
11232		11	<1	<20	<2	<5	8	<5		
11233		13	<1	<20	4	<5	10	<5		
11234		8	<1	<20	4	5	6	<5		
11235		14	<1	<20	4	8	<5	<5		
11236		43	11	<20	17	11	<5	<5		
11237		15	2	<20	13	14	<5	<5		
11238		11	6	<20	3	7	<5	<5		
11239		15	1	<20	3	8	<5	<5		
11240		15	1	<20	7	12	<5	<5		
11241		13	<1	<20	4	6	<5	<5		
11242		7	<1	<20	3	8	<5	<5		
11243		44	<1	<20	8	12	<5	<5		
11244		3	<1	<20	<2	<5	<5	<5		
11245		19	8	<20	13	6	<5	<5		
11246		5	1	<20	4	6	<5	<5		
11247		30	4	<20	5	<5	<5	47		
11248		30	<1	<20	3	<5	<5	<5		
11249A		14	1	<20	10	14	14	12		
11249B		15	3	<20	3	7	14	<5		
11250		17	<1	<20	3	<5	8	36		
11251		52	<1	<20	10	15	6	19		
11252		38	<1	<20	8	12	<5	50		
11253		59	6	<20	3	<5	<5	<5		
11254		<2	<1	<20	7	50	<5	<5		
11255		57	6	23	7	14	<5	75		
11256		13	2	<20	3	7	<5	10		
11257		3	<1	<20	<2	<5	<5	5		
11258		56	11	<20	4	<5	<5	<5		
11259		27	14	<20	<2	<5	<5	<5		
11260		42	2	<20	12	15	<5	<5		
11261		27	6	<20	9	14	7	8		
11262		32	6	<20	9	10	8	69		
11263		26	8	<20	12	11	10	80		
11264		13	<1	<20	<2	<5	<5	134		

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Geochemical Lab Report

REPORT: 091-41694.0 (COMPLETE)

DATE PRINTED: 7-JUN-91
PROJECT: WESTERN TROY PAGE 2A

SAMPLE NUMBER	ELEMENT UNITS	Al PCT	Fe Tot PCT	Mn PPM	Mg PCT	Ca PCT	Na PCT	K PCT	V PPM	Cr PPM	Co PPM	Ni PPM
11265		1.23	2.03	300	0.65	1.77	0.08	0.05	62	152	12	21
11266		0.09	0.57	<1	0.05	0.07	<0.01	<0.01	6	200	2	4
11267		2.21	6.91	500	1.84	0.91	0.07	0.03	31	80	60	83
11268		1.32	8.14	300	0.93	0.70	0.04	0.04	33	98	70	93
11269		0.98	6.83	200	0.82	0.34	0.04	0.04	26	150	80	102
11270		0.08	0.86	<1	0.06	0.09	<0.01	<0.01	5	169	6	10
11271		0.32	2.06	100	0.27	0.21	0.02	<0.01	18	208	22	27
11272		2.02	4.80	500	1.96	0.59	0.07	0.01	76	117	28	88
11273		0.78	8.01	200	0.41	0.71	0.03	0.05	24	84	41	58
11274		0.17	1.88	<1	0.03	0.08	0.02	0.07	3	195	24	15
11275		0.69	1.36	100	0.16	0.33	0.05	0.20	12	115	7	6
11276		0.30	2.21	200	0.19	0.58	0.01	<0.01	11	177	9	10
11277		0.25	8.31	100	0.15	0.14	0.02	<0.01	14	140	101	142
11278		0.23	>10.00	200	0.08	0.07	<0.01	<0.01	7	135	120	147
11279		1.88	4.49	600	1.31	1.62	0.10	0.04	98	107	33	93
11280		1.70	4.28	600	1.20	2.17	0.06	0.05	75	96	38	89
11281		1.39	8.29	400	0.95	0.79	0.04	0.04	43	81	79	98
11282		0.29	1.79	200	0.23	0.05	<0.01	0.03	11	193	22	21
11283		2.90	7.87	1300	2.05	0.72	0.03	0.05	76	130	69	105
8207		0.44	>10.00	200	0.21	0.60	0.05	0.04	13	52	22	34
8208		1.56	>10.00	300	0.92	1.75	0.17	0.09	28	85	7	12
8209		0.55	7.47	200	0.40	0.74	0.05	0.02	14	150	160	19
8210		0.78	3.85	300	0.87	1.03	0.06	0.48	65	148	18	16
8211		0.22	1.11	100	0.09	0.26	0.04	0.14	19	130	8	7
8212		1.33	4.42	300	0.50	0.29	0.10	0.67	31	110	35	9
8213		0.28	2.17	100	0.19	0.20	0.02	0.03	20	221	24	74

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	As PPM	Sr PPM	Y PPM	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM
11265		145	51	<5	8	5	3	<0.2	<0.2	<20	<5	<10
11266		87	3	<5	<1	<1	2	0.3	<0.2	<20	<5	<10
11267		1567	880	17	10	3	4	0.3	1.1	<20	<5	11
11268		1913	5294	<5	9	6	7	<0.2	13.9	<20	<5	<10
11269		348	8126	7	5	4	7	<0.2	25.7	<20	<5	<10
11270		175	56	<5	2	<1	6	0.3	<0.2	<20	<5	<10
11271		724	131	7	4	2	9	0.4	0.2	<20	6	<10
11272		210	164	<5	4	4	<1	<0.2	<0.2	<20	<5	<10
11273		2937	5085	<5	7	5	6	0.4	20.1	<20	6	14
11274		442	83	<5	2	<1	<1	<0.2	<0.2	<20	<5	<10
11275		196	63	<5	8	2	<1	<0.2	<0.2	<20	<5	<10
11276		568	10	<5	5	2	3	2.9	<0.2	<20	<5	<10
11277		276	5907	<5	1	2	8	<0.2	37.4	<20	<5	<10
11278		778	>20000	<5	1	2	19	<0.2	126.5	<20	14	21
11279		217	817	6	14	7	5	<0.2	2.5	<20	<5	<10
11280		343	175	8	13	7	1	<0.2	<0.2	<20	<5	<10
11281		1319	429	<5	13	3	3	<0.2	<0.2	<20	<5	<10
11282		168	40	<5	1	1	2	<0.2	<0.2	<20	<5	<10
11283		509	440	7	6	5	2	<0.2	<0.2	<20	<5	<10
8207		715	23	<5	5	4	2	<0.2	<0.2	<20	<5	<10
8208		54	49	<5	3	5	1	<0.2	<0.2	<20	<5	<10
8209		3541	20	<5	2	2	2	<0.2	<0.2	<20	<5	<10
8210		113	58	5	20	8	3	<0.2	<0.2	<20	<5	<10
8211		39	6	<5	15	2	13	<0.2	<0.2	<20	<5	<10
8212		458	55	<5	19	8	6	<0.2	<0.2	<20	<5	<10
8213		883	4	<5	4	2	2	<0.2	<0.2	<20	<5	<10

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PROJECT: WESTERN TROY PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Al PCT	Fe Tot PCT	Mn PPM	Mg PCT	Ca PCT	Na PCT	K PCT	V PPM	Cr PPM	Co PPM	Ni PPM
8214		2.78	>10.00	800	1.64	0.11	<0.01	0.06	35	57	96	20
8215		1.06	9.59	300	0.17	2.09	0.02	0.02	34	64	109	153
8216		0.16	2.26	300	0.14	4.13	<0.01	0.02	9	223	42	48
11026		0.20	2.55	100	0.19	0.16	<0.01	0.01	8	267	33	39
11027		0.99	7.81	300	0.43	0.82	0.01	0.09	21	151	118	124
11028		1.37	8.77	400	0.89	0.99	0.02	0.08	34	89	129	141
11029		0.83	8.97	300	0.32	0.78	0.02	0.11	21	90	168	167
11030		1.59	3.27	400	1.08	2.64	0.03	0.05	72	193	24	52
11031		0.86	1.59	300	0.55	1.85	0.02	0.03	38	313	20	76
11032		1.91	3.62	800	1.44	1.16	0.06	0.24	73	201	27	43
11033		4.39	7.24	1100	3.93	1.10	0.02	0.02	172	173	47	64
11034		1.07	6.33	400	0.78	0.84	0.07	0.06	68	140	67	119
11035		0.71	8.06	200	0.45	0.43	0.02	0.04	20	193	81	121
11036		0.15	1.64	100	0.12	0.37	<0.01	<0.01	7	213	12	20
11037		<0.01	0.63	<1	0.01	0.05	<0.01	<0.01	3	314	1	6
11038		2.39	6.43	700	1.49	1.52	0.13	0.38	88	174	30	70
11039		0.47	9.57	100	0.13	0.73	0.04	0.03	16	52	172	221
11040		1.40	4.77	500	1.28	2.11	0.08	0.64	71	221	101	109
11041		0.15	0.84	100	0.12	0.37	<0.01	0.02	13	173	7	11
11043		2.98	4.95	600	2.80	1.29	0.05	0.06	88	155	38	67
11046		0.06	0.64	<1	0.09	0.08	<0.01	<0.01	6	233	2	6
11049		0.05	0.50	100	0.07	0.12	<0.01	<0.01	5	268	1	5
11050		0.37	0.91	100	0.19	0.72	0.01	<0.01	15	235	6	11
11052		0.91	2.93	300	0.72	0.27	0.02	0.14	35	295	19	28
11053		2.67	5.41	900	2.45	2.00	0.01	0.31	103	229	34	73
11054		2.15	4.75	700	1.93	2.56	0.02	0.48	96	175	40	56
11056		1.06	1.69	200	0.62	0.53	0.06	0.36	26	122	8	11
11057		0.05	0.34	<1	0.06	0.08	<0.01	0.03	3	223	2	5
11058		0.18	0.42	<1	0.03	0.15	0.07	0.04	3	147	2	4
11060		0.09	0.73	<1	0.08	0.03	<0.01	<0.01	12	239	5	10
11284		0.04	0.90	<1	0.03	0.04	0.03	0.02	4	222	2	5
11285		0.74	6.42	200	0.19	0.62	0.05	0.02	24	206	74	95
11286		1.69	7.03	300	1.41	0.41	0.02	0.07	29	95	83	113
11287		0.85	1.39	200	0.36	0.80	0.05	0.16	9	148	6	6
11288		0.91	9.41	400	0.38	1.04	0.03	0.05	28	93	130	117
11289		0.78	8.14	300	0.37	1.16	0.02	0.04	19	139	108	116
11290		0.57	1.83	100	0.28	0.85	0.03	0.14	21	81	26	51
11291		1.83	>10.00	300	1.22	0.02	<0.01	0.17	49	115	65	57
11292		1.62	6.42	1400	0.76	1.91	0.19	0.10	70	215	35	117
11293		1.07	4.93	700	0.66	0.11	0.02	0.06	16	129	18	24

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	As PPM	Sr PPM	Y PPM	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM
8214		>20000	159	<5	<1	4	3	16.1	<1.0	26	<5	<10
8215		6200	885	<5	31	6	4	2.3	<1.0	<20	<5	<10
8216		15139	16	8	12	2	<1	38.1	4.9	<20	<5	<10
11026		350	73	<5	1	1	3	<0.2	<1.0	<20	<5	<10
11027		3798	504	<5	9	6	7	0.5	<1.0	<20	<5	<10
11028		965	1679	<5	10	6	4	<0.2	1.1	<20	<5	<10
11029		1805	2848	<5	7	6	5	<0.2	4.6	<20	<5	<10
11030		121	69	<5	31	6	5	<0.2	<1.0	<20	<5	<10
11031		62	55	<5	28	4	3	<0.2	<1.0	<20	<5	<10
11032		160	298	<5	14	4	3	<0.2	<1.0	<20	<5	<10
11033		229	362	<5	8	6	3	<0.2	<1.0	<20	<5	<10
11034		559	3931	<5	4	7	4	<0.2	10.9	<20	<5	<10
11035		11891	988	<5	5	4	5	3.5	1.4	<20	<5	<10
11036		1142	79	<5	2	1	4	0.4	<1.0	<20	<5	<10
11037		28	110	<5	<1	<1	<1	<0.2	<1.0	<20	<5	<10
11038		301	71	<5	17	6	180	<0.2	<1.0	<20	<5	<10
11039		939	5129	<5	8	7	7	<0.2	25.6	<20	<5	<10
11040		434	89	<5	11	6	2	<0.2	<1.0	<20	<5	<10
11041		94	13	<5	3	2	7	<0.2	<1.0	<20	<5	<10
11043		620	54	<5	8	4	2	<0.2	<1.0	<20	<5	<10
11046		27	4	<5	<1	<1	<1	3.1	<1.0	<20	<5	<10
11049		47	5	<5	<1	<1	<1	<0.2	<1.0	<20	<5	<10
11050		342	18	<5	10	2	<1	0.5	<1.0	<20	<5	<10
11052		174	17	<5	4	3	2	<0.2	<1.0	<20	<5	<10
11053		369	55	<5	15	7	4	<0.2	<1.0	<20	<5	<10
11054		109	41	<5	24	6	2	<0.2	<1.0	<20	<5	<10
11056		34	46	<5	28	3	<1	<0.2	<1.0	<20	<5	<10
11057		5	4	<5	2	<1	<1	<0.2	<1.0	<20	<5	<10
11058		32	7	<5	3	2	1	<0.2	<1.0	<20	<5	<10
11060		60	4	<5	2	1	3	<0.2	<1.0	<20	<5	<10
11284		18	2	<5	1	<1	<1	15.1	<1.0	<20	<5	70
11285		1205	3534	<5	10	5	5	<0.2	9.8	<20	<5	<10
11286		1647	2459	<5	7	5	12	<0.2	6.4	<20	<5	<10
11287		72	86	<5	13	3	<1	<0.2	<1.0	<20	<5	<10
11288		1446	137	<5	12	5	4	<0.2	<1.0	<20	<5	<10
11289		505	174	<5	11	4	5	<0.2	<1.0	<20	<5	<10
11290		186	49	<5	9	3	3	<0.2	<1.0	<20	<5	<10
11291		1564	149	11	2	3	4	1.7	<1.0	<20	<5	<10
11292		230	31	<5	11	5	<1	<0.2	<1.0	<20	<5	<10
11293		179	189	15	4	2	1	<0.2	<1.0	<20	<5	<10

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SAMPLE NUMBER	ELEMENT UNITS	Ba PPM	La PPM	W PPM	Pb PPM	Bi PPM	Hg PPB	Au PPB	RASANT kg
8214		10	1	<20	18	73	100	89	
8215		8	12	<20	16	14	<5	49	
8216		6	<1	<20	92	27	35	44	
11026		4	<1	<20	3	<5	6	179	
11027		16	5	<20	5	11	6	72	
11028		19	4	<20	8	9	<5	27	
11029		24	3	<20	10	10	<5	45	
11030		20	2	<20	4	6	<5	37	
11031		15	<1	<20	3	<5	<5	86	
11032		50	<1	<20	53	6	<5	14	
11033		22	1	<20	102	9	<5	12	
11034		13	3	<20	14	7	<5	19	
11035		10	2	<20	7	21	<5	24	
11036		3	<1	<20	<2	<5	<5	13	
11037		<2	<1	<20	2	<5	9	7	
11038		76	<1	<20	5	7	<5	15	
11039		10	9	<20	14	9	42	12	
11040		13	<1	<20	4	6	<5	16	
11041		4	<1	<20	<2	<5	<5	10	
11043		11	1	<20	4	7	<5	1131	2.28
11046		<2	<1	<20	<2	<5	7	>10000	0.92
11049		2	<1	<20	<2	<5	<5	1105	1.67
11050		<2	<1	<20	3	<5	<5	72	2.90
11052		41	<1	<20	2	5	<5	108	2.45
11053		60	<1	<20	6	8	<5	61	1.33
11054		103	1	<20	5	6	<5	48	0.61
11056		75	11	<20	4	<5	<5	20	0.94
11057		6	<1	<20	2	<5	<5	24	2.49
11058		8	2	<20	7	<5	<5	29	1.48
11060		4	1	<20	<2	<5	<5	51	4.28
11284		3	<1	<20	16	57	<5	851	
11285		6	6	<20	13	9	10	20	
11286		28	7	<20	15	11	7	132	
11287		45	3	<20	<2	<5	<5	18	
11288		16	4	<20	8	7	<5	74	
11289		13	4	<20	7	<5	<5	27	
11290		19	2	<20	4	<5	<5	45	
11291		21	<1	<20	19	13	<5	241	
11292		32	<1	<20	5	6	<5	34	
11293		21	1	<20	33	5	8	37	

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SAMPLE NUMBER	ELEMENT UNITS	Al PCT	Fe Tot PCT	Mn PPM	Mg PCT	Ca PCT	Na PCT	K PCT	V PPM	Cr PPM	Co PPM	Ni PPM
11294		2.07	9.98	1700	1.35	4.09	0.01	0.09	98	58	49	10
11295		3.98	>10.00	900	2.20	0.03	<0.01	<0.01	120	54	66	33
11296		0.98	7.33	2200	0.55	1.36	<0.01	<0.01	43	185	23	19
11297		1.95	>10.00	300	1.00	<0.01	<0.01	<0.01	75	43	77	107
11298		0.60	>10.00	300	0.27	0.04	<0.01	<0.01	24	188	43	204
11299		4.10	>10.00	3500	1.76	0.07	<0.01	<0.01	101	35	60	39
11300		1.08	>10.00	400	0.55	0.64	0.01	0.11	18	65	194	225

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	As PPM	Sr PPM	Y PPM	Mo PPM	Ag PPM	Cd PPM	Sn PPM	Sb PPM	Te PPM
11294		106	91	<5	47	5	2	<0.2	<1.0	<20	<5	<10
11295		75	206	<5	<1	3	<1	<0.2	<1.0	<20	<5	<10
11296		800	74	<5	9	2	<1	<0.2	<1.0	<20	<5	<10
11297		86	177	<5	<1	4	1	<0.2	<1.0	<20	<5	<10
11298		992	37	<5	<1	3	1	<0.2	<1.0	<20	<5	<10
11299		640	255	<5	3	4	3	<0.2	<1.0	<20	<5	<10
11300		1238	3619	<5	9	6	12	<0.2	6.0	<20	<5	<10

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SAMPLE NUMBER	ELEMENT UNITS	Ba PPM	La PPM	W PPM	Pb PPM	Bi PPM	Hg PPB	Au PPB	RASAMT kg
11294		39	<1	<20	8	8	<5	3006	
11295		<2	<1	<20	21	16	13	57	
11296		<2	<1	<20	9	6	<5	17	
11297		<2	<1	<20	29	23	<5	68	
11298		3	3	<20	5	5	<5	32	
11299		<2	<1	<20	15	17	<5	14	
11300		16	8	<20	13	23	7	262	

ACCURASSAY LABORATORIES

A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

42944 Certificate of Analysis

Wayne Holmstead
Geocom Consulting Ltd.
1074 Dillingham Street
Kingston, Ontario
K7P-2P4

August 14 91

Work Order # : T910555
Project : 1991-02

SAMPLE NUMBERS Accurassay	Customer	Gold ppb	Gold Oz/T	
548916	11301	11	<0.001	
548917	11302	6	<0.001	
548918	11303	65	0.002	
548919	11304	56	0.002	
548920	11305	1467	0.043	
548921	11306	49	0.001	
548922	11307	75	0.002	
548923	11308	<5	<0.001	
548924	11309	<5	<0.001	
548925	11310	33907	0.987	
548925	11310	38808	1.129	Check
548926	11311	12927	0.376	
548927	11312	77	0.002	
548928	11313	13	<0.001	
548929	11314	19	0.001	
548930	11315	<5	<0.001	
548931	11317	11	<0.001	
548932	11318	14	<0.001	
548932	11318	6	<0.001	Check

LF-30

Per: Blaine Watt

ACCURASSAY LABORATORIES

A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
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KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

42993 Certificate of Analysis

Wayne Holmstead
Geocom Consulting Ltd.
1074 Dillingham Street
KINGSTON, ON
K7P 2P4

August 15, 1991

WORK ORDER: T910556
PROJECT: RE: CHRIS WAGG

SAMPLE NUMBERS ACCURASSAY	CUSTOMER	WEIGHT PULP (g)	GOLD Oz/T	RESIDUE Oz/T	TOTAL ASSAY Oz/T	PERCENT RECOVERY
548933	11316	491.0 g	0.234	0.0032	0.238	99
548934	11319	376.0 g	3.119	0.0518	3.171	98
548935	11320	440.0 g	0.419	0.0060	0.425	99
548936	11321	456.0 g	0.073	0.0011	0.074	98
548937	11322	431.0 g	0.164	0.0016	0.166	99
548938	11323	448.0 g	0.078	0.0014	0.080	98
548939	11324	422.0 g	2.779	0.0693	2.848	98
548940	11325	450.0 g	0.751	0.0148	0.765	98
548941	11326	384.0 g	0.090	0.0018	0.092	98
548942	11327	527.0 g	1.727	0.0395	1.766	98
548943	11328	297.0 g	2.504	0.0129	2.517	99
548944	11329	357.0 g	4.045	0.0414	4.086	99
548945	11330	424.0 g	1.569	0.0292	1.598	98
548946	11331	413.0 g	0.444	0.0052	0.449	99
548947	11332	382.0 g	0.405	0.0059	0.411	99
548948	11333	416.0 g	0.306	0.0045	0.311	99
548949	11334	429.0 g	0.010	0.0004	0.010	96
548950	11335	476.0 g	0.776	0.0025	0.778	100
548951	11336	446.0 g	11.851	0.1092	11.960	99
548952	11337	1391.0 g	1.258	0.0843	1.343	94
548953	11338	1423.0 g	1.009	0.0751	1.084	93

Per: [signature]

ACCURASSAY LABORATORIES

A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

41448 Certificate of Analysis

Wayne Holmstead
Geocom Consulting Ltd.
1074 Dillingham Street
Kingston, Ontario
K7P-2P4

August 21 91

Work Order # : T910569
Project : Chris Wagg

SAMPLE NUMBERS		Gold	Gold	
Accurassay	Customer	ppb	Oz/T	
549204	11357	267	0.008	
549205	11358	<5	<0.001	
549206	11359	8	<0.001	
549207	11360	<5	<0.001	
549208	11361	11	<0.001	
549209	11362	7	<0.001	
9210	11363	21	0.001	
549211	11364	8	<0.001	
549212	11365	5	<0.001	
549213	11366	9	<0.001	
549213	11366	10	<0.001	Check
549214	11367	12	<0.001	
549215	11368	14	<0.001	
549216	11369	9	<0.001	
549217	11370	45	0.001	
549218	11371	12	<0.001	
549219	11372	10	<0.001	
549220	11373	12	<0.001	
549220	11373	14	<0.001	Check

LF-30

Per: Blaine Dutt

ACCURASSAY LABORATORIES

A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

41430 Certificate of Analysis

Wayne Holmstead
Geocom Consulting Ltd.
1074 Dillingham Street
Kingston, Ontario
K7P-2P4

August 21 91

Work Order # : T910569
Project : Chris Wagg

SAMPLE NUMBERS		Silver	Copper	Lead	Zinc
Accurassay	Customer	ppm	%	ppm	ppm
549216	11369	<1	0.013	2	23
549218	11371	2	0.051	2	100

Per:

ACCURASSAY LABORATORIES

A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

41558 Certificate of Analysis

Wayne Holmstead
Geocom Consulting Ltd.
1074 Dillingham Street
KINGSTON, ON
K7P 2P4

August 23, 1991

WORK ORDER: T910570
PROJECT: RE: CHRIS WAGG

SAMPLE NUMBERS ACCURASSAY	CUSTOMER	WEIGHT PULP (g)	GOLD Oz/T	RESIDUE Oz/T	TOTAL ASSAY Oz/T	PERCENT RECOVERY
549221	11339	1173.0 g	<0.004	0.0008	<0.004	
549222	11340	594.0 g	0.340	0.0047	0.345	99
549223	11341	331.0 g	3.014	0.0401	3.054	99
549224	11342	518.0 g	2.112	0.0228	2.135	99
549225	11343	440.0 g	1.929	0.0365	1.966	98
549226	11344	489.0 g	0.877	0.0131	0.890	99
549227	11345	702.0 g	0.041	0.0027	0.044	94
549228	11346	1135.0 g	0.574	0.0322	0.607	95
549229	11347	1095.0 g	0.004	0.0014	0.005	72
549230	11348	1174.0 g	1.219	0.1640	1.383	88
549231	11349	1014.0 g	7.129	0.3246	7.453	96
549232	11350	1160.0 g	0.238	0.0219	0.260	92
549233	11351	843.0 g	0.446	0.0140	0.460	97
549234	11352	482.0 g	0.094	0.0019	0.096	98
549235	11353	800.0 g	0.039	0.0014	0.040	96
549236	11354	499.0 g	0.072	0.0023	0.074	97
549237	11355	1100.0 g	0.085	0.0081	0.093	91
549238	11356	1216.0 g	0.079	0.0061	0.085	93
549239 A	a 11374	1200.0 g	0.809	0.0718	0.881	92
549239 B	b 11374	1201.0 g	0.896	0.1744	1.071	84
549239 C	c 11374	1229.0 g	0.819	0.0461	0.865	95
549240 A	a 11375	1223.0 g	2.082	0.1033	2.185	95
549240 B	b 11375	1264.0 g	1.939	0.1352	2.074	93
549240 C	c 11375	1264.0 g	1.786	0.0913	1.877	95
549241 A	a 11376	1292.0 g	0.745	0.0608	0.806	92
549241 B	b 11376	1227.0 g	0.774	0.0336	0.807	96
549241 C	c 11376	1273.0 g	0.925	0.0136	0.938	99
From W.O.#T910556						
548952 A	a 11337	1311.0 g	1.308	0.0419	1.350	97
548952 B	b 11337	1247.0 g	1.418	0.0435	1.461	97
548953 A	a 11338	1309.0 g	1.025	0.0138	1.039	99
548953 B	b 11338	1303.0 g	1.030	0.0227	1.052	98

LF-30

Per: L. Barlow

ACCURASSAY LABORATORIES

A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
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TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

41559 **Certificate of Analysis**

Wayne Holmstead
Geocom Consulting Ltd.
1074 Dillingham Street
Kingston, Ontario
K7P-2P4

August 26 91

Work Order # : T910606
Project : C. Wagg

SAMPLE NUMBERS Accurassay	Customer	Gold ppb	Gold Oz/T	
549800	11377	23	0.001	
549801	11378	19	0.001	
549802	11379	543	0.016	
549803	11380	30	0.001	
549804	11381	29	0.001	
549805	11382	34	0.001	
549806	11383	8	<0.001	
549807	11384	245	0.007	
549808	11385	25	0.001	
549809	11394	176	0.005	
549809	11394	193	0.006	Check
549810	11395	26	0.001	
549811	11396	68	0.002	
549812	11398	6	<0.001	
549813	11399	64	0.002	
549813	11399	50	0.001	Check

LF-30

Per: Blaine Watt

ACCURASSAY LABORATORIES

A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Gnt.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

41589 Certificate of Analysis

Wayne Holmstead
Geocom Consulting Ltd.
1074 Dillingham Street
KINGSTON, ON
K7P 2P4

August 28, 1991

WORK ORDER: T910605
PROJECT: RE: CHRIS WAGG

SAMPLE NUMBERS ACCURASSAY	CUSTOMER	WEIGHT PULP (g)	GOLD Oz/T	RESIDUE Oz/T	TOTAL ASSAY Oz/T	PERCENT RECOVERY
549791	11386	1004.0 g	<0.004	0.0002	<0.004	
549792	11387	1002.0 g	1.764	0.0560	1.820	97
549793	11388	1000.0 g	<0.004	<0.0002	<0.004	
549794	11389	1014.0 g	0.272	0.0150	0.287	95
549795	11390	976.0 g	<0.004	<0.0002	<0.004	
549796	11391	1022.0 g	0.004	0.0004	0.004	91
549797	11392	1034.0 g	<0.004	0.0002	<0.004	
549798	11393	1036.0 g	<0.004	0.0011	<0.004	
549799	11397	1016.0 g	<0.004	0.0022	<0.004	

LF-30

Per: 

ATTENTION: TIM ELLIOTT

ACCURASSAY LABORATORIES
A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

41688 Certificate of Analysis

Wayne Holmstead
Ge com Consulting Ltd.
1074 Dillingham Street
KINGSTON, ON
K7P 2P4

September 05, 1991

WORK ORDER: T910639
PROJECT: RE: BONDAR-CLEGG REJECTS

SAMPLE NUMBERS ACCURASSAY	CUSTOMER	WEIGHT PULP (g)	GOLD Oz/T	RESIDUE Oz/T	TOTAL ASS Oz/T	PERCENT RECOVERY
550268	11043	1494.0 g	0.032	0.0113	0.043	74
550269	11044	1336.0 g	9.013	0.3431	9.356	96
550270	11045	1077.0 g	0.176	0.0046	0.180	97
550271 A	11048 A	1513.0 g	0.011	0.0009	0.012	93
550271 B	11048 B	1490.0 g	0.011	0.0005	0.012	96
550271 C	11048 C	1457.0 g	0.012	0.0078	0.019	60
550272 A	11051 A	1483.0 g	0.195	0.0053	0.200	97
550272 B	11051 B	1514.0 g	0.183	0.0111	0.195	94
550272 C	11051 C	1529.0 g	0.185	0.0071	0.192	96
550273	11053	872.0 g	0.006	0.0005	0.007	92
550274 A	11055 A	1500.0 g	0.131	0.0055	0.136	96
550274 B	11055 B	1497.0 g	0.113	0.0031	0.116	97
550274 C	11055 C	1527.0 g	0.090	0.0032	0.093	97
550275	11059	1513.0 g	1.805	0.1170	1.922	94

Per:

LF-30

ORIGINAL

ACCURASSAY LABORATORIES

A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO
BOX 426
KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1
TEL.: (705) 567-3361

President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

42807 # Certificate of Analysis

Wayne Holmstead
Geocom Consulting Ltd.
1074 Dillingham Street
KINGSTON, ON
K7P 2P4

August 02, 1991

WORK ORDER: T910517
PROJECT: RE: CHRIS WAGG

SAMPLE NUMBERS ACCURASSAY	CUSTOMER	WEIGHT PULP (g)	GOLD Oz/T	RESIDUE Oz/T	TOTAL ASSAY Oz/T	PERCENT RECOVERY
548101	11043	343.0 g	0.034	0.0015	0.036	96
548102	11053	282.0 g	<0.004	0.0003	<0.004	
548103	11044	333.0 g	3.009	0.0468	3.056	98
548104	11045	316.0 g	0.119	0.0044	0.123	96
548105	11048	296.0 g	0.013	0.0005	0.014	96
548106	11051	323.0 g	0.069	0.0032	0.072	96
548107	11055	326.0 g	0.024	0.0003	0.024	99
548108	11059	225.0 g	0.966	0.0103	0.977	99

Per:

Bondar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa Ontario
K1J 9G2
(613) 749-2220 Telex 053-3233

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Certificate of Analysis

DATE PRINTED: 19-JUN-91

REPORT: 091-41753.5 (COMPLETE)

PROJECT: WESTERN TROY PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au-150 OPT	Au+150 OPT	Au Ave OPT	-150WT gms	+150WT gms
11046		0.480	12.899	1.435	516.3	43.01

Bondar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 9G2
(613) 749-2220 Telex 053-3233

BONDAR-CLEGG

A DIVISION OF ENCAL APPLIED INSPECTION & TESTING SERVICES

Certificate of Analysis

DATE PRINTED: 10-JUN-91

REPORT: 091-41753.4 (COMPLETE)

PROJECT: WESTERN TROY PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au-150 OPT	Au+150 OPT	Au Ave OPT	-150WT gms	+150WT gms	RASAMT kg
11044		3.488	172.629	9.149	367.6	12.73	1.87
11045		0.120	2.837	0.259	347.2	18.68	1.65
11047		0.005	0.010	0.005	297.1	20.11	0.75
11048		0.015	0.071	0.017	358.1	13.64	5.51
11051		0.084	2.347	0.215	356.1	21.81	6.94
11055		0.020	0.849	0.064	358.7	19.96	6.97
11059		1.024	8.644	1.479	256.4	16.29	2.50
11061		0.131	0.491	0.151	303.6	18.30	2.87

Bondar-Clegg & Company Ltd
[illegible]
Ottawa [illegible]
K1[illegible]
(613) [illegible]

BONDAR-CLEGG

Certificate of Analysis

[illegible] ASSAYING AND ENGINEERING TESTING SERVICES

DATE PRINTED: 19-JUN-91

REPORT: 091-41694.5 (COMPLETE)

PROJECT: WESTERN TROY PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au-150 OPT	Au+150 OPT	Au Ave OPT	-150WT gms	+150WT gms
11276		1.952	14.398	2.548	518.1	26.05

BONDAR-CLEGG

Certificate of Analysis

DATE PRINTED: 14-JUN-91
PROJECT: WESTERN TROY PAGE 1

REPORT: 091-41694.4 (COMPLETE)

SAMPLE NUMBER	ELEMENT UNITS	Zn PCT
11278		4.03

BONDAR-CLEGG

Geochemical Lab Report

DATE PRINTED: 29-NOV-91
PROJECT: NONE PAGE 1

REPORT: 091-43285.1 (COMPLETE)

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	AUR1 PPB	AUR2 PPB
11425		11		
11426		7		
11427		<5		
11428		<5		
11429		16		
11431		28		
11448		6		
11462		>10000	>10000	>10000
11463		162		
11464		192		
11465		15		
11466		47		

Bondar-Clegg & Company Ltd.
5420 Canotek Road
Ottawa, Ontario
K1J 9G2
(613) 749-2220 Telex 053-3233

BC
BONDAR-CLEGG

Certificate of Analysis

REPORT: 091-03299.1 | 11-DEC-91

DATE RECEIVED: 5-DEC-91

PROJECT: NONE

SAMPLE NUMBER	ELEMENT UNITS	Au GPT
11467		1.316
11468		1.068
11469		0.033
11470		2.329
11471		0.815
11472		0.082
11473		0.094
11474		0.354
11475		0.889
11476		0.714
11477		0.183
11478		0.310
11479		0.194
11480		2.292
11481		0.404
11482		0.228
11483		0.477
11484		0.475
11485		0.089
11486		3.576
11487		0.082
11488		1.475
11489		6.495
11490		0.127

BONDAR-CLEGG

Geochemical Lab Report

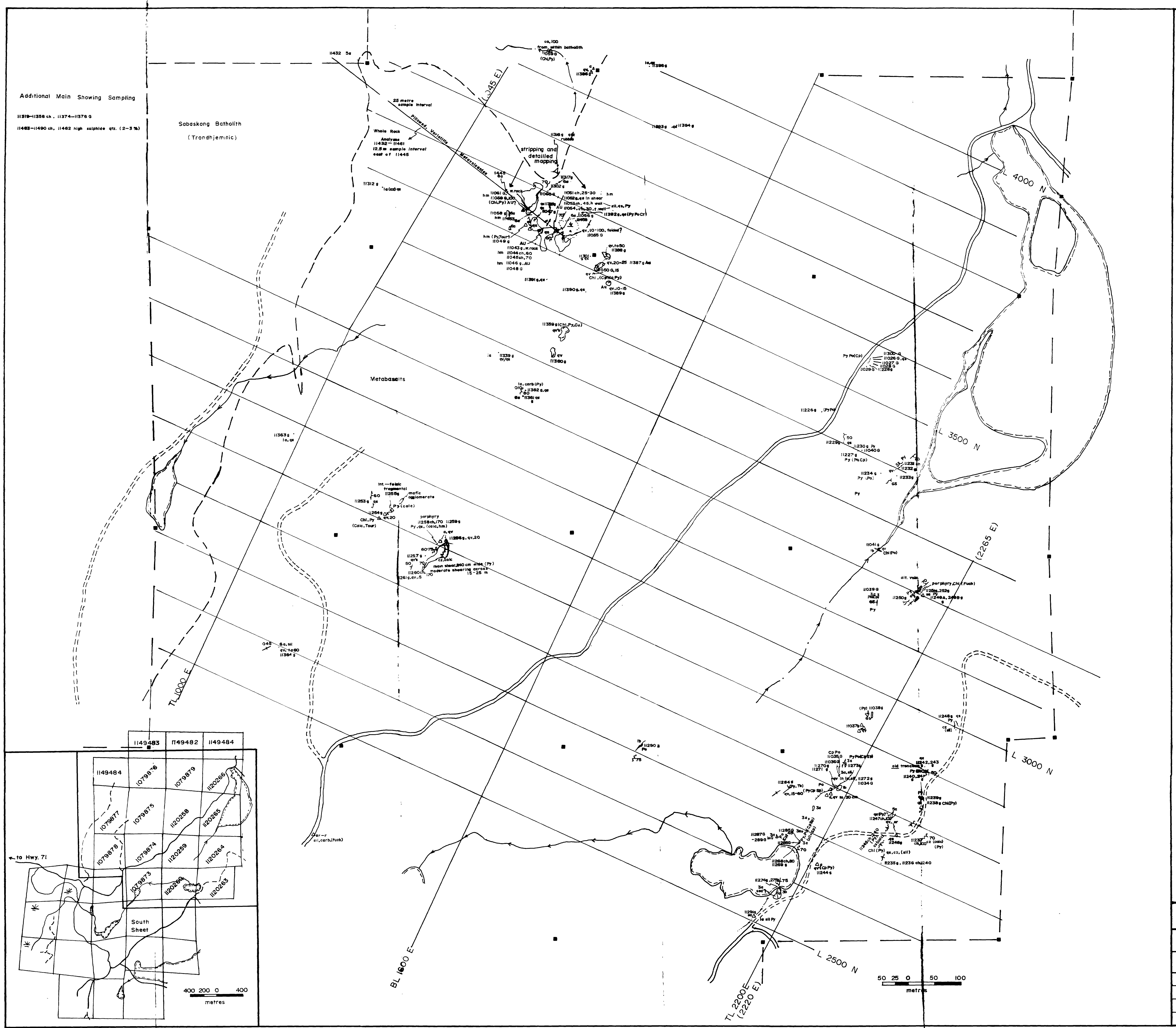
DATE PRINTED: 28-NOV-91

REPORT: 091-43300.0 (COMPLETE)

PROJECT: NONE

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
11491		5
11492		18


WESTERN TROY CAPITAL RESOURCES
MAP 1
MENARY TOWNSHIP PROPERTY
COMPILATION MAP
Gold Showings and Autumn 1991 Sample Locations
Programme Management:
W. E. Holmstead Inc.
Consulting Project Geologist:
C. A. Wagg/Lot 17 Exploration reg'd
metres
LEGEND
x.. Gold Showing
Δ .. Vein Quartz Debris
11400.. Sample Number
1149480.. Claim Number
Base Map by Surveys and Mapping Branch
Ministry of Natural Resources. Published 1984.
Covered by ODM Map 2325
Blackburn C.E., 1976
Scale 1:63 360
Covered by OGS Map 2430
Edwards, G.R., 1981
Scale 1:31 680
impassable washout
4 km to Hwy.71
2 km to Hwy 71
Sabaskong Batholith
Mafic to Intermediate Metavolcanics
Intermediate to Felsic Metavolcanics
Diabase
GALBRAITH 'A'
GALBRAITH 'B'
(WAGG) Main Showing
Original Showing (AGASSIZ)
Original Property (30)
AIRBORNE CONDUCTOR
faults
gravel covered
whole-rock
recent sampling 11462-11496
404 road
Dorothy Lake
Tompkins Lake
Graham Lake
Little Kishkutena Lake
Burnt Roy Lake
Panorama Lake
Banana Lake
Buckhorn Point
Burditt Lake
1149494
1149495
1149498
1149500
1149493
1149497
1149496
1149499
1149503
1149504
1149489
1149492
1149487
1149488
1149486
1149502
1149505
1149483
1149482
1149484
1149501
1149481



LEGEND

GEOLOGY AND SYMBOLS

See underlay by Clarke, 1989.

ROCK SAMPLES

·11026	Bedrock
g	Grab
G	Large grab
ch	Representative chip
rs	Sawn channel
,50	Length in centimetres
▲11026	Glacial drift
a	Angular
sa	Subangular
sr	Subrounded

MINERALISATION AND STRUCTURE

AU	Native gold	Gn	Galena
Au	Gold values	Ma	Malachite
Cp	Chalcopyrite	Fuch	Fuchsite
Chl	Chlorite	Calc	Calcite
Po	Pyrrhotite	Cu	Copper
Py	Pyrite	Te	Telluride (AuAgBi)
Sp	Sphalerite		
Tour	Tourmaline		
qv	Quartz vein		
qs	Quartz stringers or small lenses or veinlets		
( )	Minor constituent		
~	Minor shear		
	Shear zone		
	Fault		

ALTERATION

cz	Chloritisation
calc	Calcium carbonatisation
carb	Iron carbonatisation
hm	Hematisation, limonitisation (veins or porphyries)
sil	Silicification
( )	Minor

WESTERN TROY CAPITAL RESOURCES inc.

MENARY TOWNSHIP PROPERTY (N part)

1991 PROGRAMME (COMPILATION)

Programme Management	W. E. Holmstead and Associates Inc.
Surveys and Drafting	C. A. Wagg / Lot 17 Exploration reg'd.
December 1991	MAP 2

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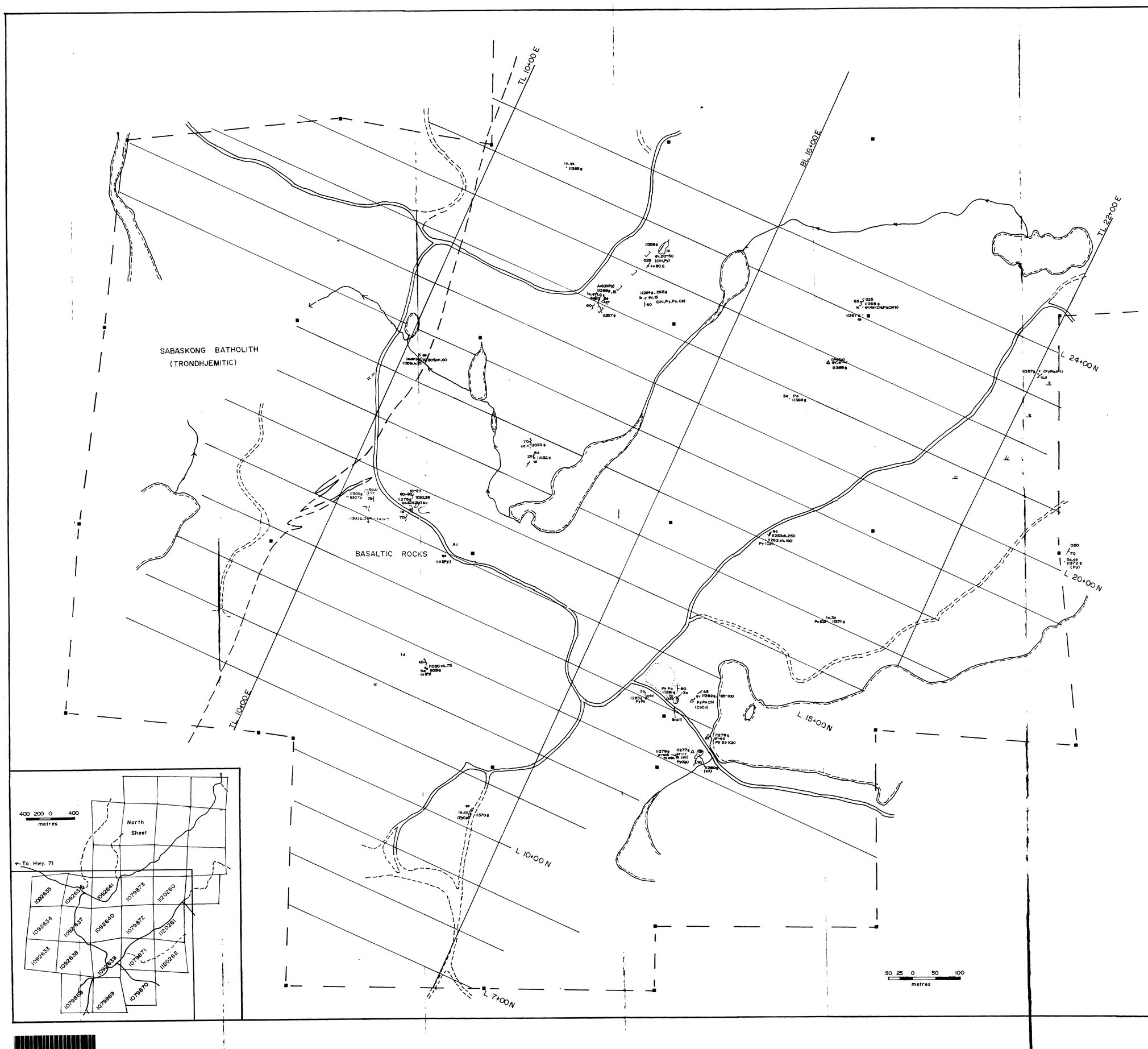

LEGEND

1 BASALTIC METAVOLCANICS
- 1a Massive
- 1b Pillowed
- 1c Porphyritic
- 1d Gabbroic

2 ANDESITIC METAVOLCANICS
- 2a Massive
- 2b Pillowed
- 2c Variolitic
- 2d Gabbroic

3 TUFFACEOUS METAVOLCANICS[1]
- 3a Mafic Tuff
- 3b Quartz-eye Tuff

4 MAFIC INTRUSIVES
- 4a Gabbro
- 4b Lamprophyre

5 GRANITIC INTRUSIVES
- 5a Trondhjemite

6 FELSIC INTRUSIVES
- 6a Quartz and Quartz-Feldspar Porphyry
- 6b Intrusive Breccia with Metavolcanic Fragments in a Porphyry Matrix

Notes:
- Legend after Clarke, 1989, no relative age relationships implied.
- [1] Consisting in part of both clastic and chemical sediment.

WESTERN TROY CAPITAL RESOURCES inc.

MENARY TOWNSHIP PROPERTY (S part)

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MAP 3