

## 1992 BRUCESIDE PROPOSED PROGRAM

## 1.0 Purpose

The purpose of the 1992 work program is to evaluate by mapping, trenching and sampling the known but under evaluated mineralized zones located on the southern half of the BruceSide Property so as to outline potential drill targets that could ultimately add reserves to the existing mineral inventory. In addition, prospecting, mapping and sampling of the unmapped portions of southern half of the property would be undertaken.

## 2.0 Introduction

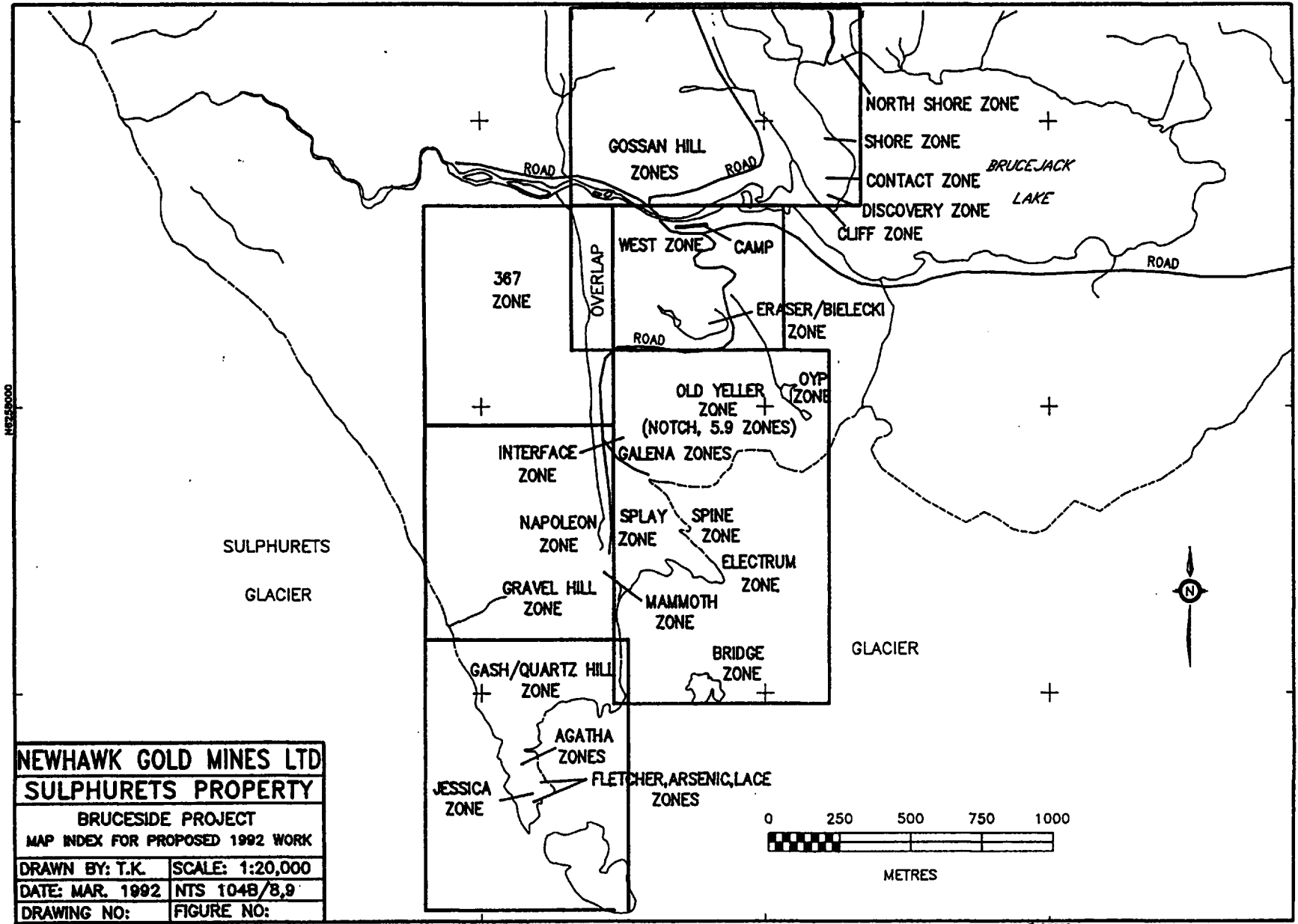
Previous exploration programs on the BruceSide Property has shown at least twenty-seven zones of gold + silver bearing quartz + carbonate vein, stockwork and breccia to exist on it: West, Shore, North Shore, Discovery, Contact, Bielecki, Eraser, Gossan Hill, Old Yeller, OYP, Galena, Interface, Splay, Electrum, Spine, 367, Napoleon, Mammoth, Gravel Hill, Gash/Quartz Hill, Agatha, Agatha East, Jessica, Fletcher, Lace, and Arsenic. The zones are hosted by a variety of rock types and are variable in grade and size. Many of the zones were originally located by Esso Minerals in the early 1980"s. However, with the exception of the West, Shore, Eraser and Bielecki Zones only limited follow-up work has been completed on the remainder.

## 3.0 Zone Description and Proposed Work Program

The following is a description of each of the zones proposed for additional follow-up work along with an outline of the suggested work program. As sufficient work has been completed on the West, Bielecki, Eraser, Shore, Contact, Discovery, Jessica, Fletcher, Arsenic and Lace Zones no further work is being proposed for them at this time. The field component of the program on the remainder of the property will consist primarily of prospecting, mapping, hand sawn trenching and channel sampling along with the surveying of selected areas would last 60 days. Work would commence on July 10 and would involve 450 man-days of labour. The crew would be stationed at the Brucejack campsite. Transportation to the zones would be by 4 wheel drive Atv's along the existing road network. Stewart would be used for the main supply base. Total cost of the program including the preparation and final report is calculated to be \$272,965.

## 3.1 Gossan Hill

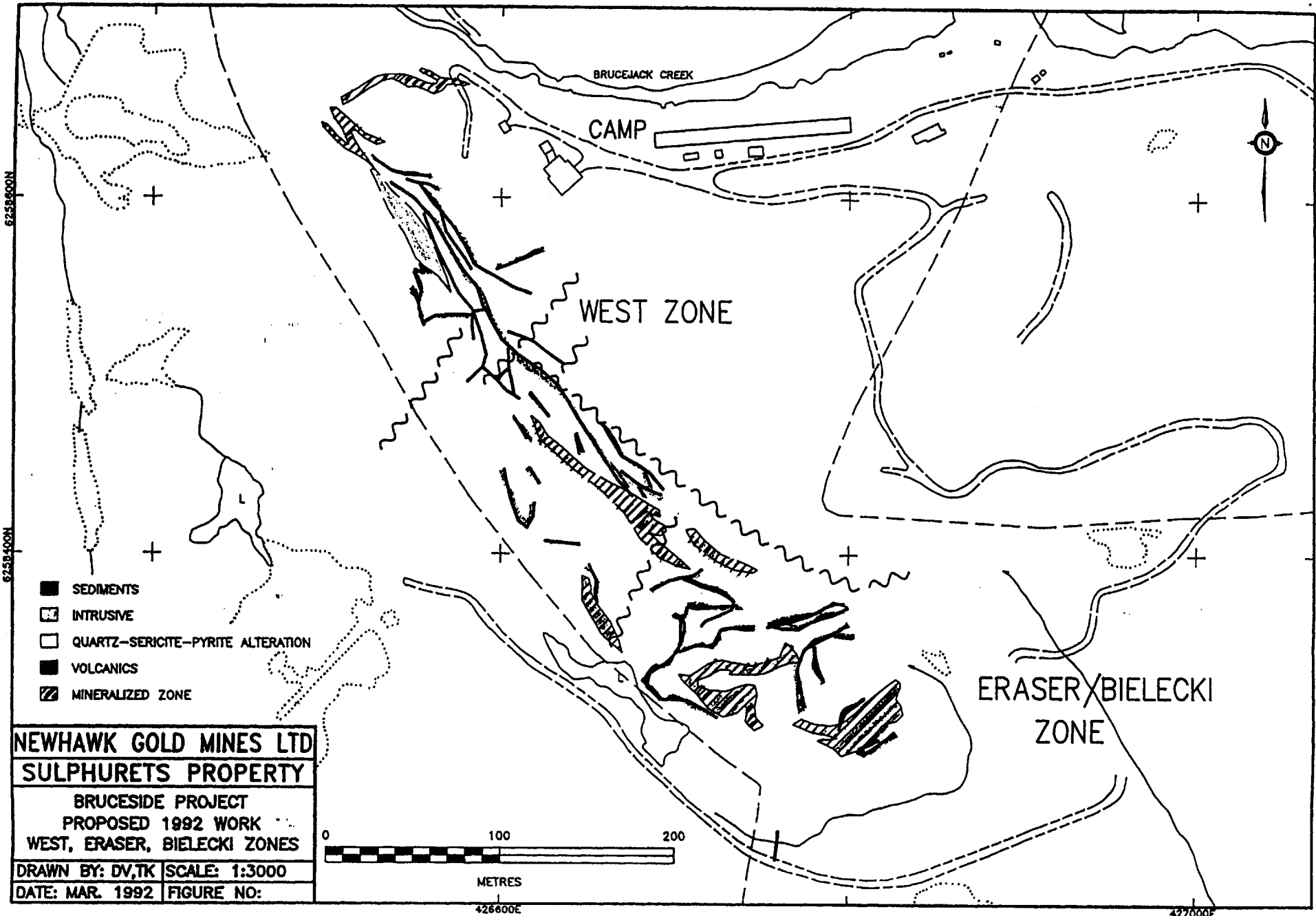
Limited exploration on Gossan Hill has shown it to host at least five quartz vein zones within quartz-sericite-carbonate altered andesitic tuffs. The veins are up to 450 metres long with widths variable to 10.0 metres. Trench results include 1.676 opt Au over 5 metres while the best drill results is 12.02 opt Au and 12.29 opt



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MAP INDEX FOR PROPOSED 1992 WORK	
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DATE: MAR. 1992	NTS 104B/8,9
DRAWING NO:	FIGURE NO:

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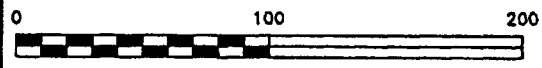


- SEDIMENTS
- ▤ INTRUSIVE
- ▨ QUARTZ-SERICITE-PYRITE ALTERATION
- ▧ VOLCANICS
- 〰 MINERALIZED ZONE

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BRUCESIDE PROJECT  
PROPOSED 1992 WORK  
WEST, ERASER, BIELECKI ZONES

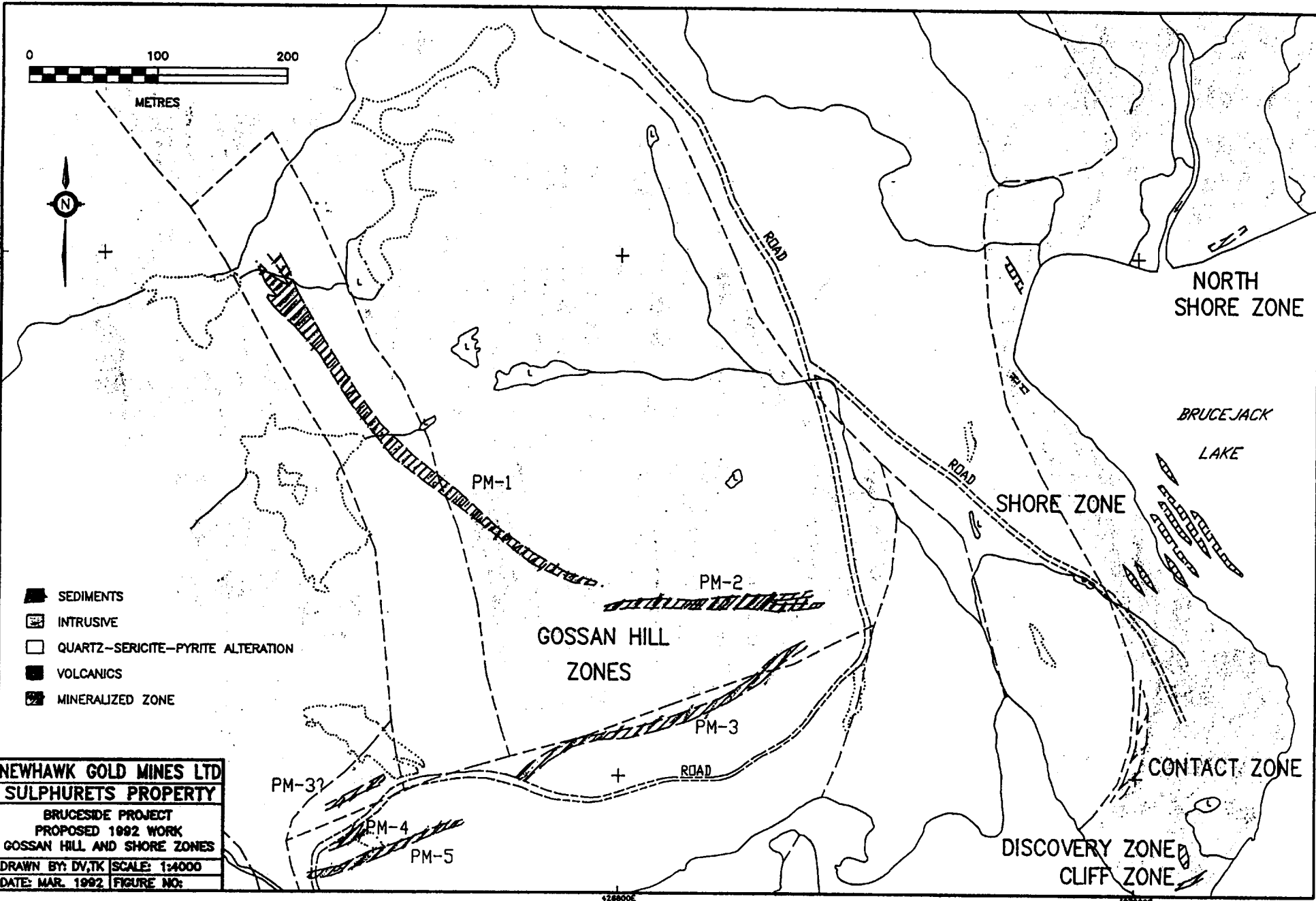
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METRES

426600E

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 BRUCESIDE PROJECT  
 PROPOSED 1992 WORK  
 GOSSAN HILL AND SHORE ZONES  
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 DATE: MAR. 1992 FIGURE NO:

Ag over 1.22 metres. The veins are complex and appear to be similar to those at the West Zone. Proposed exploration would include the further trenching, sampling and mapping of the known veins along with the prospecting, mapping and sampling of the Gossan Hill area with the purpose of locating additional mineralized structures.

### 3.2 Old Yeller

The Old Yeller Zone is a 200 x 300 metre area of quartz-sericite-pyrite altered andesitic volcanics in which both quartz veins and stockwork occur. The veins are highly variable in size and grade with trench results including a 8.26 metre section averaging .182 opt Au with 10.15 opt Ag. Due to the steepness of the zone only parts of it have been mapped and sampled. Previous work resulted in the cutting but not the sampling of veins within the area. The proposed program would include the sampling of the cut channels and the mapping, trenching and sampling of the unexplored region within the Old Yeller area.

### 3.3 Old Yeller's Pasture

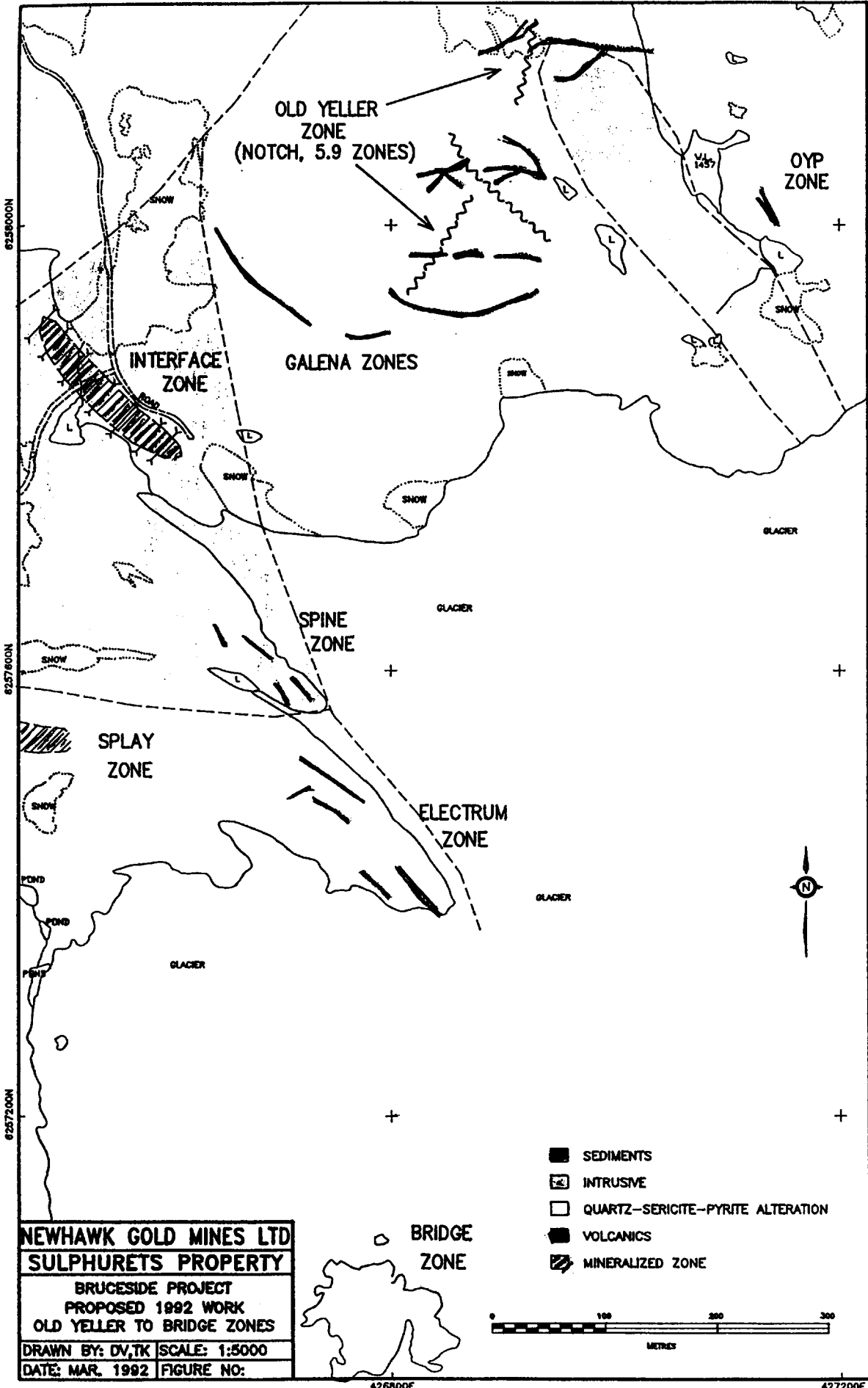
The limited amount of work completed on the Old Yeller's Pasture Zone has shown it to consist of a 40 metre long by up to 2 metre wide zone of quartz veining within quartz-pyrite-sericite altered volcanics. The zone is believed to be open and to have other zones of quartz veining paralleling it. To date only one channel trench sample has been taken over the vein and it assayed 1.41 opt Au with 99.10 opt Ag over 1 metre. Additional trenching, sampling and mapping is proposed to delineate the zone at surface.

### 3.4 Galena

The Galena Zone consists of an extensive zone of quartz stockwork and veining within pervasively sericitized porphyritic andesitic flows and tuffs. Channel trench samples are highly variable throughout with results of up to .415 opt Au and 3.97 opt Ag over 5.2 metres. Although the Galena Zone has been mapped and sampled in detail there are several areas within it that remain to be sampled. In addition the area between the Galena and Old Yeller Zones has not been evaluated. Further work consisting of mapping, and sampling along with follow-up trenching is proposed for the area.

### 3.5 Interface

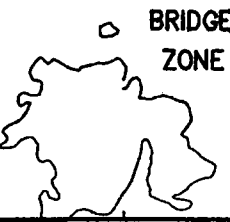
The Interface Zone is a 200 metre long x up to 20 metre wide zone of sediment hosted quartz veining and stockwork. The veins are up to .5 metre wide and are semi-discontinuous. Visible gold was located in narrow quartz stringers. Several grab samples assayed in excess of .100 opt Au with a maximum value of 233.0 opt Au with 74.7 opt Ag occurring in a 20 cm wide quartz vein. Trenching along with channel sampling and mapping is proposed. In addition the zone should be traced along strike.



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**PROPOSED 1992 WORK**  
**OLD YELLER TO BRIDGE ZONES**

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**DATE: MAR. 1992** **FIGURE NO:**



- SEDIMENTS
- ▣ INTRUSIVE
- QUARTZ-SERICITE-PYRITE ALTERATION
- ▣ VOLCANICS
- ▨ MINERALIZED ZONE



426800E

427200E

### 3.6 Splay

The Splay Zone is a 100 metre x 130 metre zone of quartz-sericite-pyrite altered intrusive in which auriferous quartz veins occur. Mapping has shown the veins to be continuous with widths variable to 30 cm. Chip samples assayed up to 1.748 opt Au with 2.45 opt Ag over 16 cm. The zone is open along strike to the east. Further trenching and sampling along with mapping is proposed to define the zone.

### 3.7 Electrum

The Electrum Zone is an area of moderately sericitized, silicified, and pyritized porphyritic syenodiorite in which narrow quartz veins occur. The veins are, in general, weakly anomalous in gold. Adjacent to the zone semi-massive pyrite and electrum mineralized boulders occur. The source of these boulders is not known, however it is believed to be local. Limited additional mapping and sampling are proposed for the immediate area in an attempt to locate the source of the electrum bearing veins and to possibly define additional gold bearing veins.

### 3.8 Spine

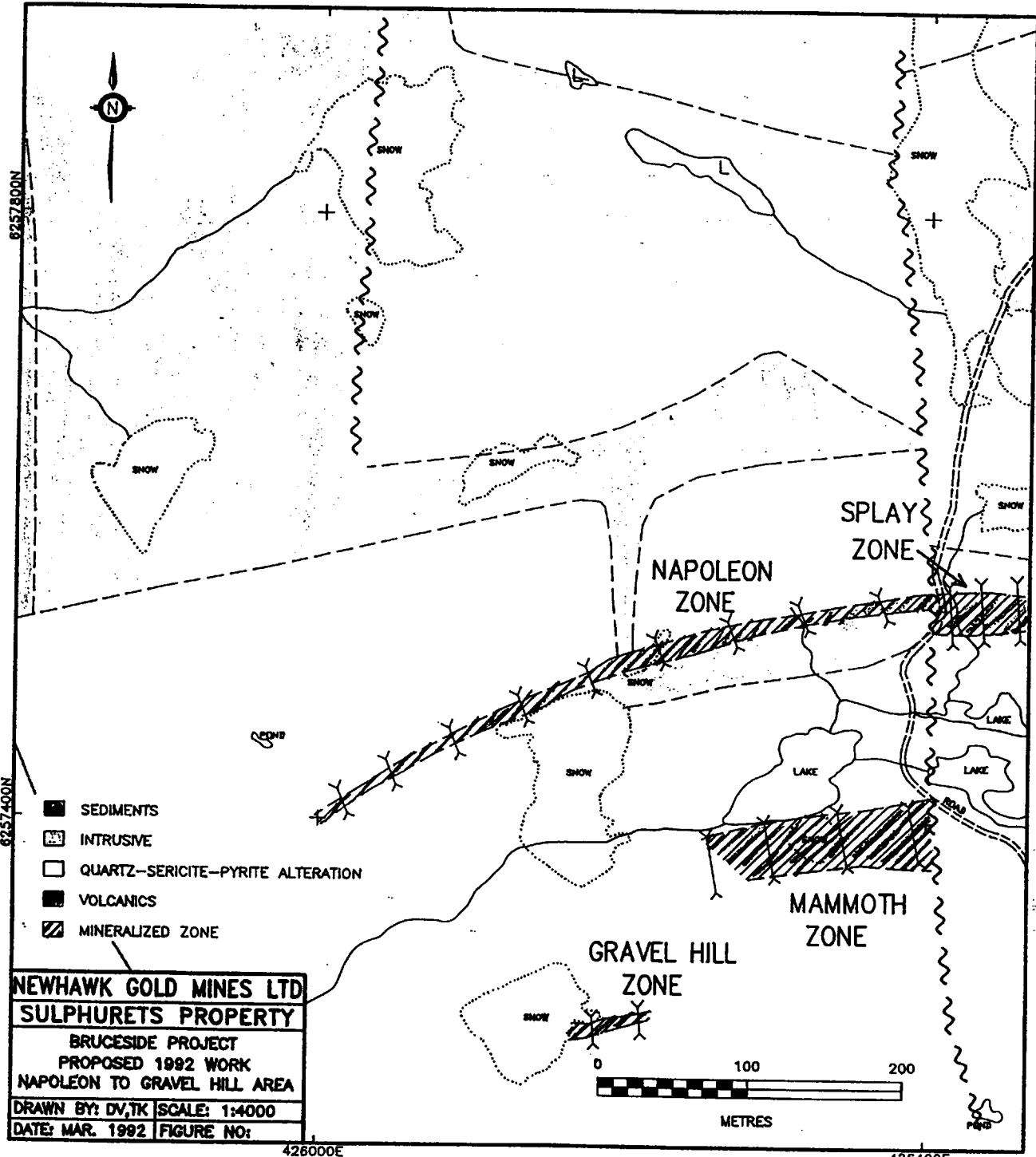
The Spine is a 50 x 200 metre zone of narrow, sediment hosted quartz veins. Grab samples are highly anomalous with values of up to .546 opt Au and 117.5 opt Ag. Channel sample results are much less with the best sample assaying .028 opt Au with 8.53 opt Ag over 1 metre. Limited mapping and sampling are proposed to determine the nature and extent of the high grade grab samples.

### 3.9 367

The 367 Zone is an area of andesite hosted quartz vein, stockwork and breccia that has been traced for 120 metres with widths variable to 35 metres. Limited trenching has shown the zone to contain both narrow high grade veins (values of up to .892 opt Au and .54 opt Ag over 1 metre) and wide low grade stockwork sections (.097 opt Au with .18 opt Ag over 15 metres). It is proposed that the zone be trenched, sampled and mapped and that the along strike extensions be evaluated.

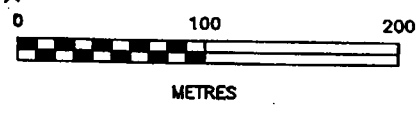
### 3.10 Napoleon

The Napoleon Vein is a 1-8 metre wide x 500 metre zone of quartz veining and stockwork. The zone contains anomalous gold with negligible silver values. Grab samples assayed up to .620 opt Au with the majority of values being in the .030-.080 opt range. Trenching, sampling and mapping are proposed to be completed along the length of the zone.



- SEDIMENTS
- INTRUSIVE
- QUARTZ-SERICITE-PYRITE ALTERATION
- VOLCANICS
- MINERALIZED ZONE

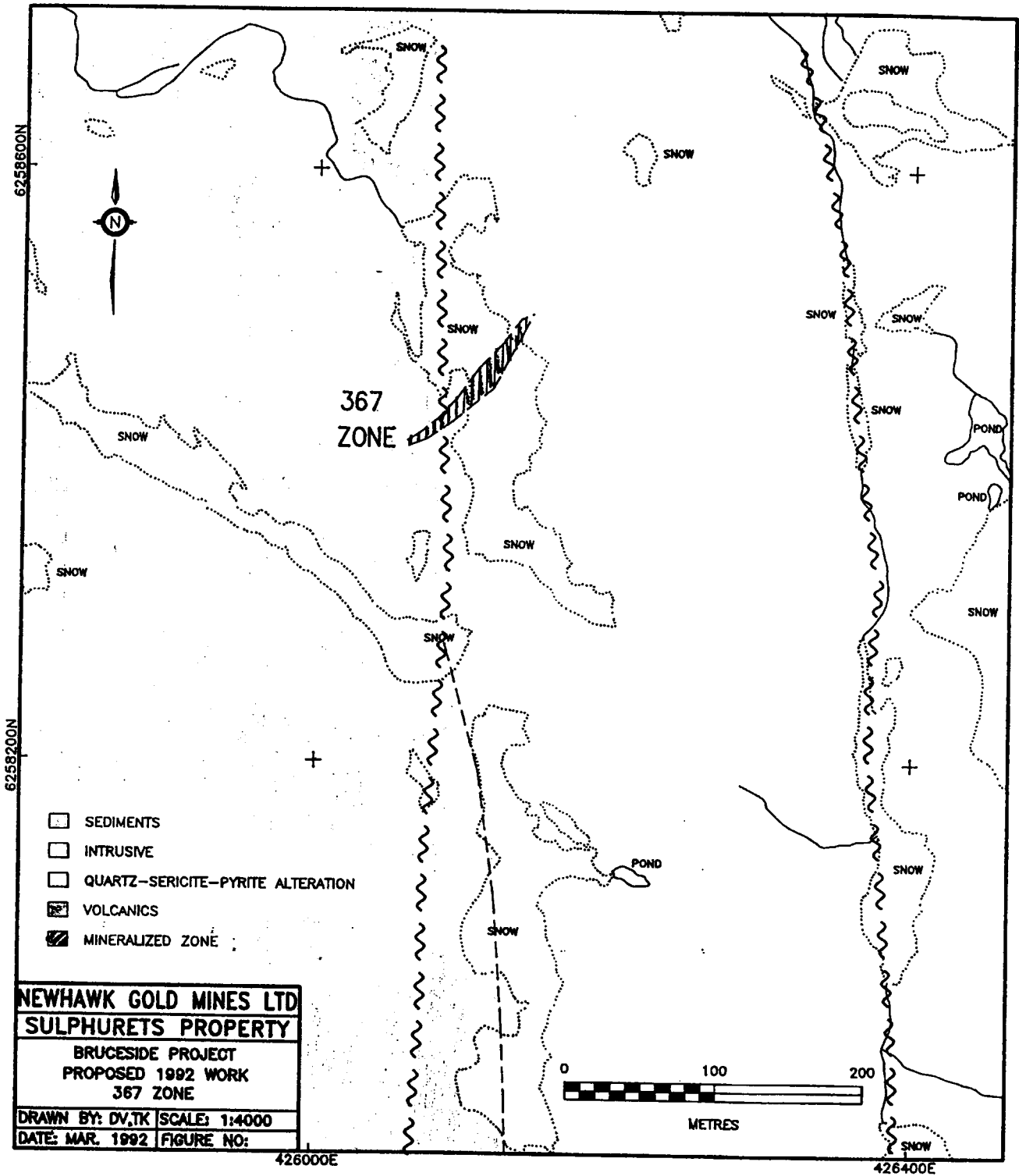
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 NAPOLEON TO GRAVEL HILL AREA  
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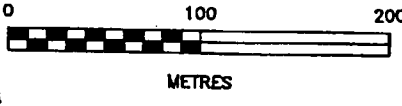


-  SEDIMENTS
-  INTRUSIVE
-  QUARTZ-SERICITE-PYRITE ALTERATION
-  VOLCANICS
-  MINERALIZED ZONE

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BRUCESIDE PROJECT  
 PROPOSED 1992 WORK  
 367 ZONE

DRAWN BY: DV,TK SCALE: 1:4000  
 DATE: MAR. 1992 FIGURE NO:



426000E

426400E

### 3.11 Gravel Hill

The Gravel Hill Zone occurs in an area of limited exposure. Mapping and sampling has shown the zone to be at least 30 metres long and 5 metres wide. Limited work has been completed in the area. Grab samples assayed up to .057 opt Au with negligible silver. Limited trenching, sampling and mapping are proposed to delineate the zone.

### 3.12 Gash/Quartz Hill

The Gash/Quartz Hill Zone is a 300 metre long x 50 metre wide zone of quartz veining and stockwork that occurs within an area of quartz-sericite-pyrite altered rocks. The zone is open along strike to the west. Grab samples assayed up to .122 opt Au with the majority of values being less than .030 opt Au. Mapping, trenching and sampling are proposed so as to determine whether a high grade system exists within the zone.

### 3.13 Mammoth

The Mammoth Zone is an area of quartz vein and stockwork that has been traced for 160 metres with widths variable to 20 metres. It is open to the west. Grab samples assayed up to .204 opt Au with silver values being uniformly low. Limited trenching, sampling and mapping are proposed to further delineate and evaluate it.

### 3.14 North Shore

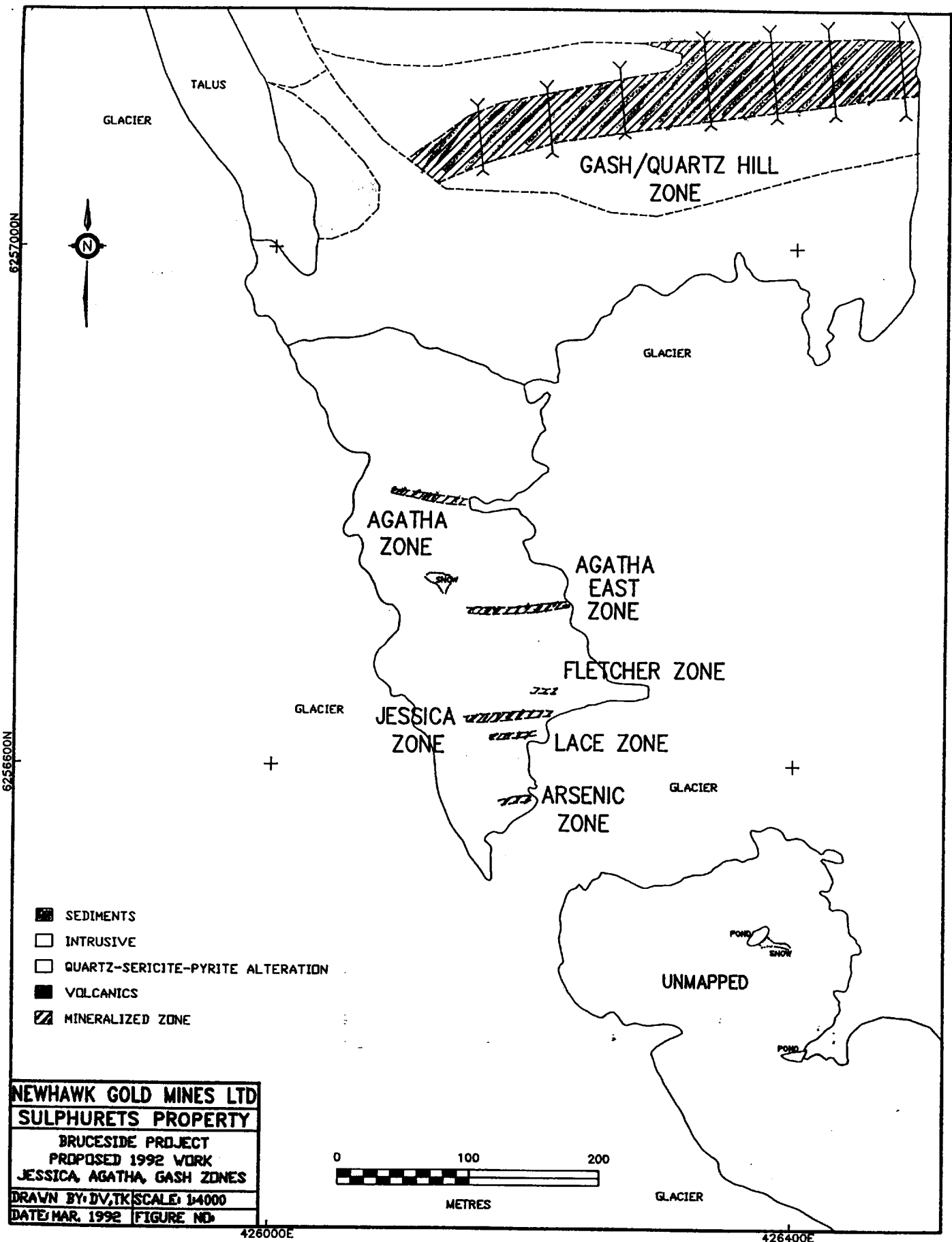
The North Shore Zone is an area of limited quartz veining located on the north shore of Brucejack Lake. Limited sampling completed by the G.S.C. has shown narrow stringers to contain anomalous gold and silver values.

### 3.15 Arsenopyrite

The Arsenopyrite Zone occurs immediately to the north of the proposed 1992 Bruceside work. The zone consists of a small shear hosted quartz vein stringer zone in which disseminated to massive arsenopyrite occurs. Grab samples assayed up to 6.11 opt Au with 5.96 opt Ag. Limited trenching, sampling and mapping are proposed to evaluate the zone.

### 3.16 Other:

Previous sampling and mapping has located other areas of potential interest that would be visited and evaluated. In addition it is proposed that prospecting, sampling and mapping be completed over the areas that have not yet been evaluated.



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 JESSICA, AGATHA, GASH ZONES  
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 DATE: MAR, 1992 | FIGURE NO: