BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	2001/2002
REPORT #:	PAP 01-36
NAME:	JAMES HUTTER

REPORT ON THE

GOLDEN EAGLE PROPERTY

2001 EXPLORATION PROGRAM

Omineca Mining District, B.C.

By:

J.M. Hutter, P. Geo.

Box 3048
4407 Alfred Avenue
Smithers, B.C.
V0J 2N0

January 28, 2001

P60

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FIGURES

INTRODUCTION

The Golden Eagle property is a past producer of small amounts of high-grade silver ore, with values in gold, copper, lead and zinc. The 2001 exploration program, with the support of a Prospectors Assistance grant, was aimed at locating minable quantities of high-grade ore. Certain areas of the known veins were trenched in the hope of finding high-grade lenses, and a VLF-EM survey and soil sampling were done in order to locate new veins or faulted-off extensions of the known veins. A limited amount of prospecting was done outside the grid area to check for old showings or anything else of interest.

LOCATION AND ACCESS

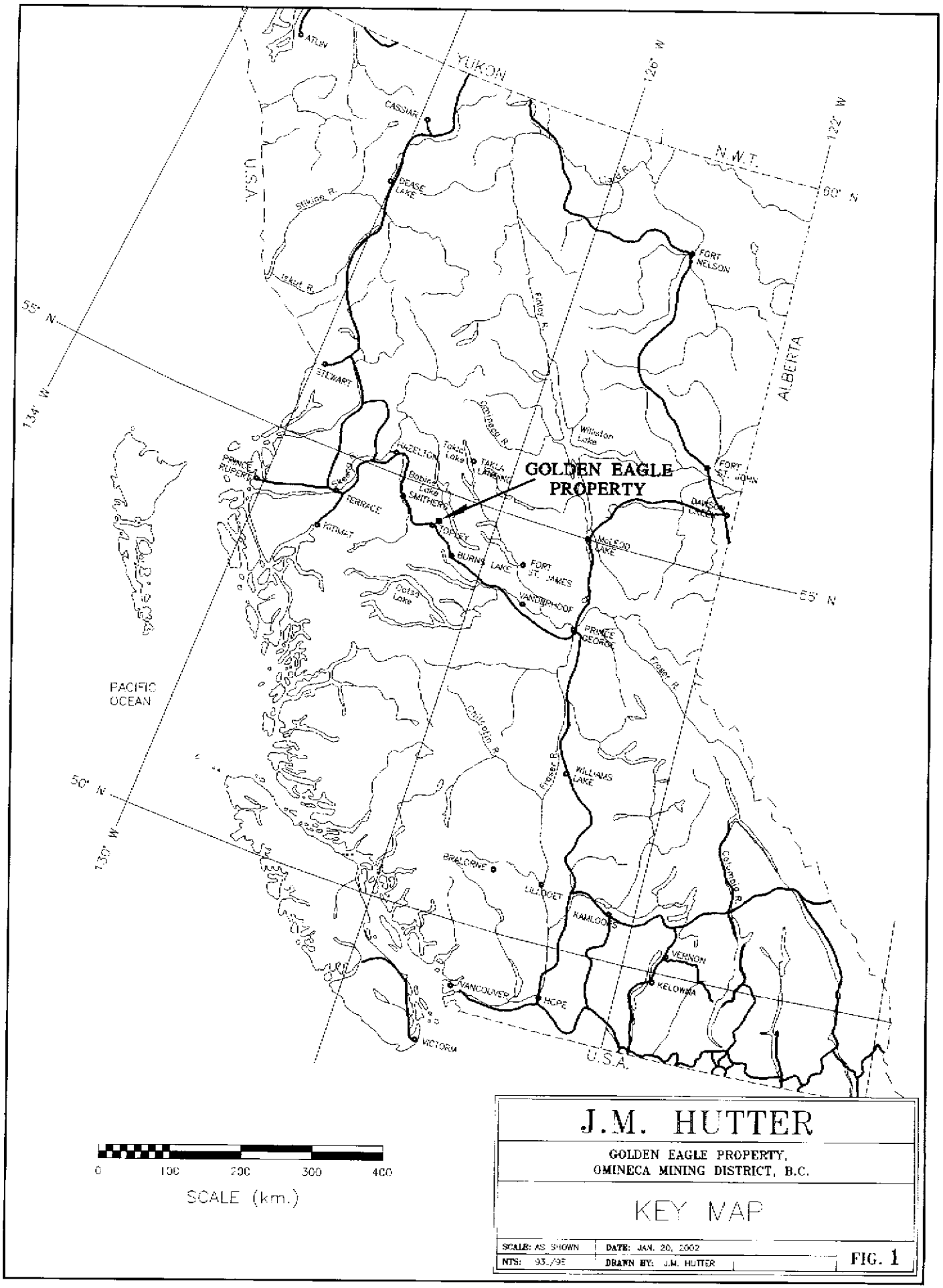
The property is located approximately nine kilometres NNE of Topley, B.C., on the Topley mapsheet, 93L/9 (Fig. 1 & 2). It is reached by leaving Highway 16 at Topley and traveling north for about 5.5 kilometres on the Granisle Highway, at which point a good gravel road turns off to the right. The gravel road forks within half a kilometre and the right fork is a good dirt road that leads to the property, a distance of five kilometres. This road is passable by 2 wheel drive vehicles in the summer, except during very wet periods.

TERRAIN

Mountains in the area rise to about 1600 metres. The topography is generally fairly gentle, the only exceptions being the valley walls of Richfield Creek and some of the upper slopes of Tachek Mountain to the north of the property and Mt. McCrea to the southeast.

In the area of the Golden Eagle workings the ground is nearly flat and in places tends to be rather boggy with large areas of dense alder thickets. Where the ground is drier, pine and/or spruce forests predominate.

Overburden is extensive over most of the area of the claims, except for a few resistant volcanic knobs.



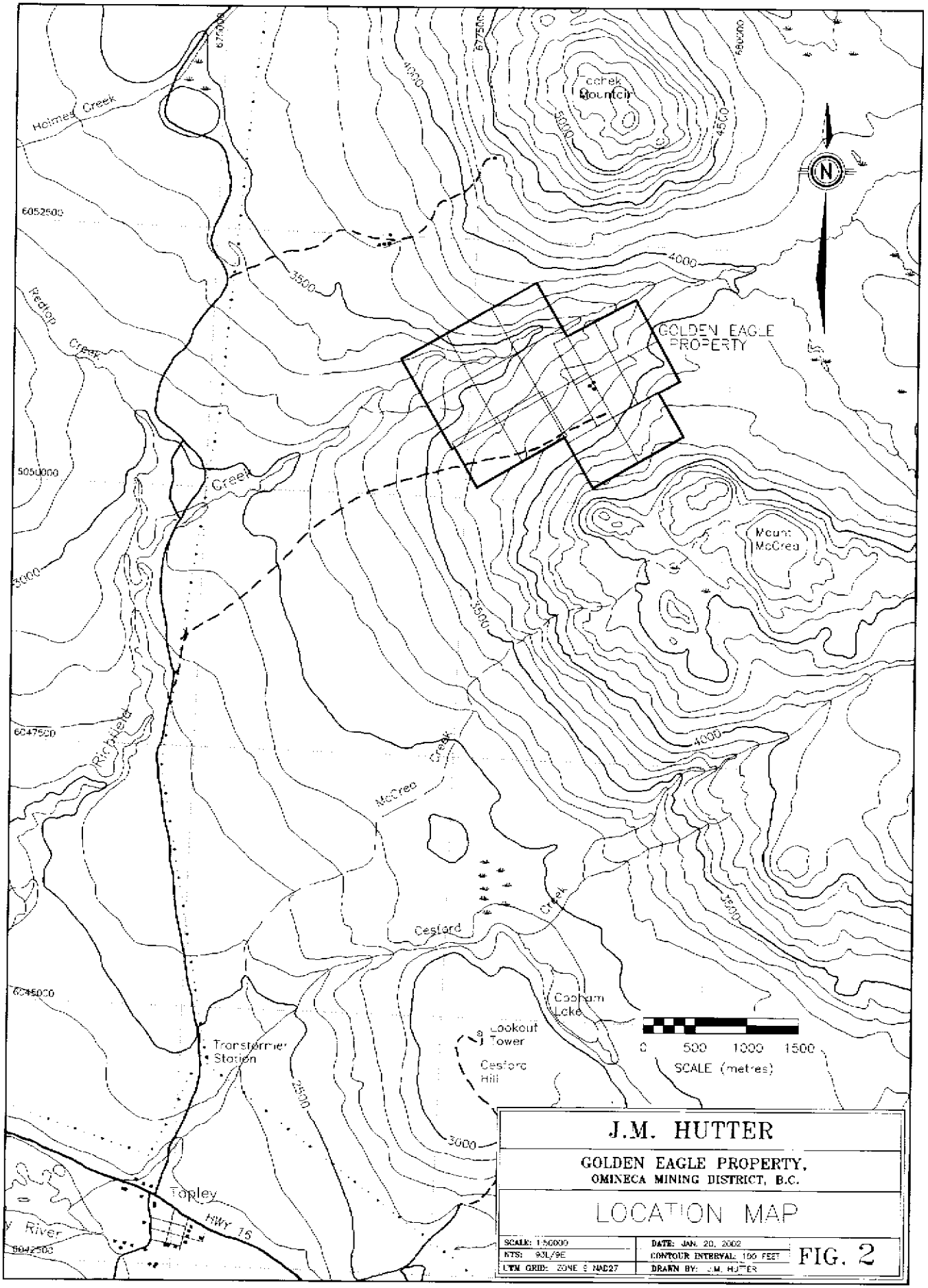
J.M. HUTTER

GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.

KEY MAP

SCALE: AS SHOWN	DATE: JAN. 20, 2002
NTS: 93./9E	DRAWN BY: J.M. HUTTER

FIG. 1


Holmes Creek
Redtop Creek
Creek
Richfield Creek
McCreo Creek
Cestard Creek
Mount McCreo
GOLDEN EAGLE PROPERTY
Cesford Hill
Lookout Tower
Transformer Station
Topley
River
HWY 16
6052500
6050000
6047500
6045000
6042500
4000
3500
3000
4500
5000
N
0 500 1000 1500
SCALE (metres)
J.M. HUTTER
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.
LOCATION MAP
SCALE: 1:50000
NTS: 93L/9E
UTM GRID: ZONE 9 NAD27
DATE: JAN. 20, 2002
CONTOUR INTERVAL: 100 FEET
DRAWN BY: J.M. HUTTER
FIG. 2

CLAIM DATA:

The property includes 15 two-post claims (Fig. 3), covering the Golden Eagle, Silver Cup and Tuya (or Box) showings, as follows:

Claim Name	Tenure Number	Expiry Date
Golden Eagle 1	245953	Oct. 24 / 03
Golden Eagle 2	245954	Oct. 24 / 03
Golden Eagle 3	245955	Oct. 24 / 03
Golden Eagle 4	245956	Oct. 24 / 03
Golden Eagle 5	387392	June 23 / 02
Golden Eagle 6	387393	June 23 / 02
Golden Eagle 7	387394	June 23 / 02
Golden Eagle 8	387526	June 26 / 02
Golden Eagle 9	387527	June 26 / 02
Silver Cup 3	387812	June 26 / 02
Silver Cup 4	387813	June 26 / 02
Silver Cup 5	387814	June 29 / 02
Silver Cup 6	387815	June 29 / 02
Silver Cup 7	387816	June 29 / 02
Silver Cup 8	387817	June 29 / 02

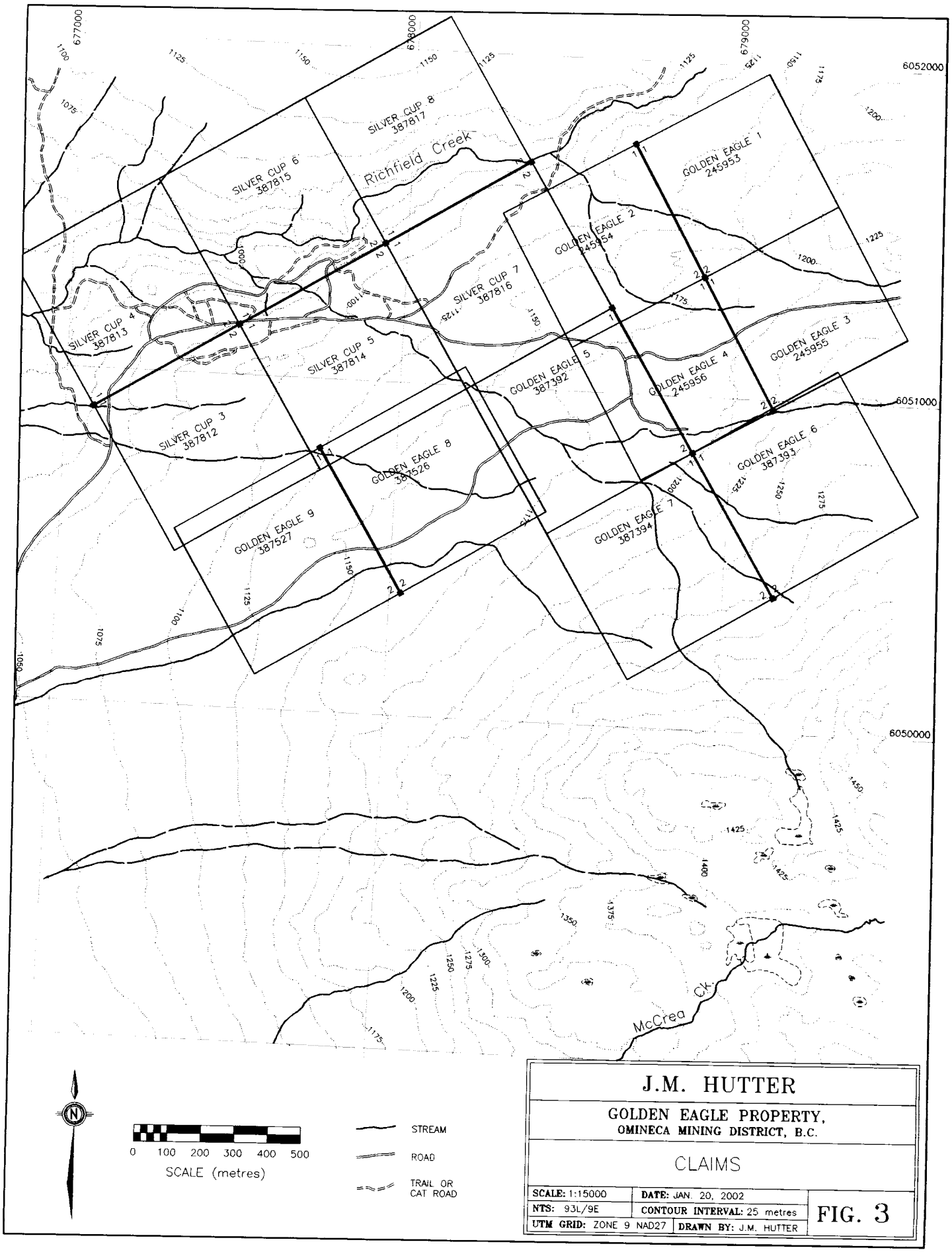
HISTORY

The property was discovered in 1927 and put under option to Topley Silver Ltd. Work was begun on sinking a shaft on the only vein that was known at the time, a quartz vein dipping at 40 degrees mineralized on the footwall with galena, sphalerite and tetrahedrite. By 1929 there were two shafts on the vein, one reported to be 10 metres deep and the other 43 metres deep. Work was impeded by water and deep overburden. Some diamond drilling was done, the results of which are not now available but which was apparently disappointing enough to cause the company to drop its option.

Shortly afterward, another vein was discovered striking parallel to the first but dipping at 70 degrees. This vein was on the footwall side of the first vein, about 20 metres away on surface, and not intersected by the diamond drilling. Three pits were put down on the new vein, with silver values reported up to 374 ounces per ton. By 1930 there were several pits and a shallow shaft on the new vein, with high silver values up to 820 ounces per ton.

Between 1934 and 1943 approximately 108 tons of ore were shipped from the property, averaging 194 oz/ton Ag, 0.148 oz/ton Au and 13.4% Pb.

In 1952 two diamond drill holes were put down, location and results are not now known, but assays were reported to be low.



J.M. HUTTER

GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.

CLAIMS

SCALE: 1:15000	**DATE:** JAN. 20, 2002	FIG. 3
NTS: 93L/9E	**CONTOUR INTERVAL:** 25 metres	
UTM GRID: ZONE 9 NAD27	**DRAWN BY:** J.M. HUTTER	

A small shipment of ore (5.9 tons) was mined from surface in 1978, but only graded about 56 oz/ton Ag, and 34 tons ore milled from surface dumps produced a grade of 16.2 oz/ton.

Bishop Resources Development Ltd acquired the claims in 1980, along with the adjoining Silver Cup Group and a large amount of ground acquired by staking. Over the next six years the property was explored with the objective of finding an Equity Silver type deposit, the search for which was not successful. A reconnaissance VLF-EM survey was done over much of the property, including part of the Golden Eagle Group. Ten short diamond drill holes were put down in the known area of the Golden Eagle veins. As the company was looking for a larger deposit, the narrow high-grade intersections were not generally assayed separately, so that much of the data as it pertains to the present program has been lost. The best assay recorded from the drilling program was 141 oz/ton Ag over one foot.

The property was acquired by the writer in 1999 by way of a lease agreement from L.W. Perry of Smithers. At that time the No. 1 shaft on the No. 1 vein was reopened and de-watered for examination and sampling, and a small surface trenching program was undertaken.

The lease agreement now includes David Hayward of Telkwa as a partner.

REGIONAL GEOLOGY

The region is included within the Stikine Terrane of the Intermontane Tectonic Belt of central British Columbia, and is part of an accreted volcanic island arc assemblage. The property is on the axis of the Skeena Arch, which was uplifted in Middle Jurassic time due to the collision of Stikinia with the Cache Creek Terrane. The property is underlain by the Saddle Hill volcanics, predominantly subaerial tuffs and related volcaniclastic rocks, part of the Lower to Middle Jurassic Hazelton Group. Repeated episodes of faulting have created a complex fault pattern with the development of horsts and grabens and tilting of fault blocks (Fig. 4A & 4B).

Two mineralogically similar intrusions a found in the vicinity of the claims. The older and larger of these, to the northwest of the property, is a biotite hornblende granodiorite belonging to the Late Triassic to Early Jurassic Topley Intrusive Suite. The other and much smaller intrusion crops out on the north flank of Tachek Mountain. It is part of the Early to Middle Jurassic Spike Peak Intrusive Suite.

Most of the mineral deposits near the Golden Eagle are clustered on a single fault block, as mapped by MacIntyre (2001). The presence of slightly older rocks of the Nilkitwa Formation in the northeast part of this block would indicate upward movement of this block relative to the adjacent blocks of Saddle Hill volcanics to the northwest and southeast.

Fig. 4A - AFTER MACINTYRE (2001)

LEGEND - for FIG. 4B

EOCENE

EE Endako Group: dark grey, aphyric, amygdaloidal and vesicular basalt flows, minor flow top breccia; bladed plagioclase phyric andesite

EO Ootsa Lake Group: undivided felsic volcanic rocks

Env Newman Formation: hornblende +/- biotite-feldspar phyric andesite to dacite flows, breccia and lahar; minor basalt; extrusive equivalent of the Babine Intrusions

Ecg heterolithic boulder to pebble conglomerate, poorly sorted; basal conglomerate to the Newman Formation

BABINE INTRUSIONS

Ebp biotite +/- hornblende-plagioclase porphyritic granodiorite

LATE CRETACEOUS OR TERTIARY

Ktd hornblende +/- biotite diorite to quartz diorite; minor gabbro; fine to coarse grained

LATE CRETACEOUS

BULKLEY INTRUSIONS

LKBp biotite-hornblende-plagioclase porphyritic granodiorite to quartz diorite; medium to coarse grained; 4-8 mm biotite "books" common

UPPER CRETACEOUS

KASALKA GROUP

uKK hornblende-plagioclase phyric andesite to dacite flows, volcanic breccia and lahar; medium to coarse grained; locally contains clasts of biotite-plagioclase porphyritic granodiorite of the Bulkley Intrusions

LOWER TO UPPER CRETACEOUS

SKEENA GROUP

lKS undivided Skeena Group; sandstone, siltstone, shale, mudstone, pebble conglomerate

EARLY TO MIDDLE JURASSIC

SPIKE PEAK INTRUSIVE SUITE

Mjg biotite-hornblende granodiorite to quartz monzonite; medium to coarse grained; grey to salmon weathering

LOWER TO MIDDLE JURASSIC

HAZELTON GROUP

lmJv Saddle Hill volcanics: undivided subaerial to submarine basalt, andesite, dacite and rhyolite flows, tuffs and related volcaniclastic rocks; lmJva. maroon to greenish grey weathering feldspar phyric lapilli, crystal and ash tuff, volcanic breccia, lahar, tuffaceous mudstone, siltstone and conglomerate, grey ash flow tuff and feldspar phyric dacite to rhyolite domes and flows, locally contains angular clasts of flow banded rhyolite and pink weathering Topley intrusions; lmJvb. brown weathering, green to greenish grey feldspar phyric basaltic flows, volcanic breccia, aquagene tuff, hyaloclastite, peperite breccia, locally amygdaloidal and pillowed; local flow banded rhyolite domes and interbeds of limy siltstone and limestone; intense epidote and chlorite alteration in places; lmJvc. green, brown and maroon weathering mafic and felsic volcanic clast conglomerate, feldspathic wacke, dark grey siltstone, chert, lapilli tuff; lmJvd. thick bedded, hornblende-augite-plagioclase phyric amygdaloidal andesite flows with trachytic texture

lJN Nilkitwa Formation: shallow to deep marine feldspathic wacke, siltstone and conglomerate; well bedded

lJT Telkwa Formation: undivided maroon air fall tuffs, feldspar phyric andesite flows and volcanic breccia, amygdaloidal basalt flows, related epiclastic and volcaniclastic rocks; a. andesitic lapilli, crystal and ash tuff, maroon to greenish grey, medium to thick bedded, minor feldspar phyric andesite flows; b. dark grey to maroon amygdaloidal basalt flows and flow top breccia

UPPER TRIASSIC TO LOWER JURASSIC

uTJcg polymictic pebble to boulder conglomerate, brown, maroon and red weathering, poorly sorted, matrix supported, contains rounded to subrounded augite plagioclase phyric basalt, limestone, chert and granite clasts; locally contains brown siltstone rip up clasts; clasts derived from Takla and Asitka groups; interbedded with maroon to red weathering feldspathic wacke and siltstone

LATE TRIASSIC TO EARLY JURASSIC

TOPLEY INTRUSIVE SUITE

EJbx Nose Bay intrusive breccia; clasts of Topley intrusive suite and Takla volcanics in a greenish grey, chloritic basalt matrix

Ejp biotite-hornblende-plagioclase porphyritic granodiorite

LTJm granodiorite to monzonite, fine grained equigranular to feldspar porphyritic; pink to salmon weathering

LTJT undivided granitic rocks

Ltg biotite-hornblende-plagioclase granodiorite, quartz diorite; medium to coarse grained; equigranular to megacrystic; equant feldspar phenocrysts to 3 cm, grey to pink weathering

UPPER TRIASSIC

TAKLA GROUP

uTT undivided pyroxene phyric basalt, andesite, marine sedimentary rocks; uTTa. siltstone, mudstone, minor limestone, dark grey to black, graphitic and calcareous, medium bedded; uTTb. pyroxene-plagioclase and pyroxene-hornblende-plagioclase phyric basalt to andesite flows, volcanic breccia and volcanic conglomerate, thick bedded, green to greenish grey; uTTc. graphitic siltstone, feldspathic wacke, argillaceous limestone, siliceous mudstone, chert-limestone clast conglomerate, andesite lapilli tuff; medium to thin bedded, brown and grey weathering

PERMIAN TO TRIASSIC

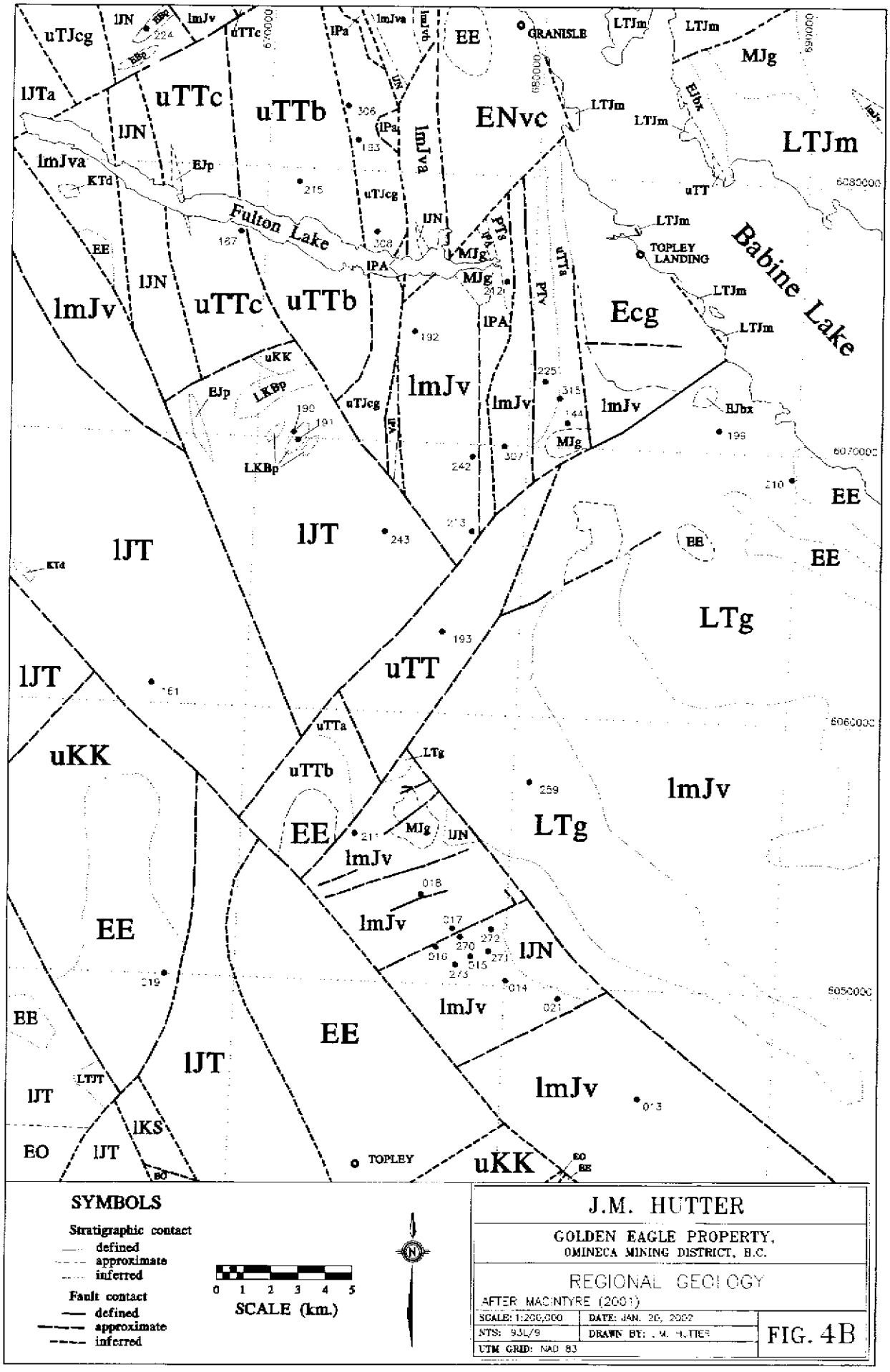
PTs medium bedded chert, siltstone, limestone, graphitic phyllite, chlorite schist

Ptv metavolcanic rocks; chlorite and chlorite-sericite phyllite and schist, minor argillaceous sandstone, graphitic schist; moderate to strong foliation; in whole or in part deformed Takla and/or Asitka group volcanics

LOWER PERMIAN

ASITKA GROUP

lPA massive, grey, bioclastic limestone; argillaceous, thin bedded, recrystallized limestone with chert nodules


uTJcg
lJN
lmJv
uTTc
uTTb
lPa
lmJva
EE
GRANISLE
LTJm
MJg
lJTa
ENvc
EJbx
LTJm
KTd
EJp
Fulton Lake
uTJcg
lJN
PTa
uTTa
Babine Lake
TOPLEY LANDING
Ecg
uKK
LKBp
BJbx
lJT
uTT
LTg
uTTa
uTTb
lmJv
MJg
lJN
EE
LTJT
lKS
EO
TOPLEY
uKK
SYMBOLS
Stratigraphic contact
defined
approximate
inferred
Fault contact
defined
approximate
inferred
0 1 2 3 4 5
SCALE (km.)
N
J.M. HUTTER
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.
REGIONAL GEOLOGY
AFTER MACINTYRE (2001)
SCALE: 1:200,000
DATE: JAN. 20, 2002
NTS: 93L/9
DRAWN BY: J. M. HUTTER
UTM GRID: NAD 83
FIG. 4B

PROPERTY GEOLOGY

Mineralization consists of galena, sphalerite, tetrahedrite and pyrite in quartz veins in andesite tuffs, flows and agglomerates of the Saddle Hill volcanics of the Hazelton group. These rocks are considered by D. McIntyre of the B.C. Geological Survey to be prospective for deposits of the Eskay Creek type. In limited traverses over parts of the property the writer has not seen any rocks other than the volcanics mentioned above, although some reports by Bishop Resources note rhyolites in some of the recessive areas.

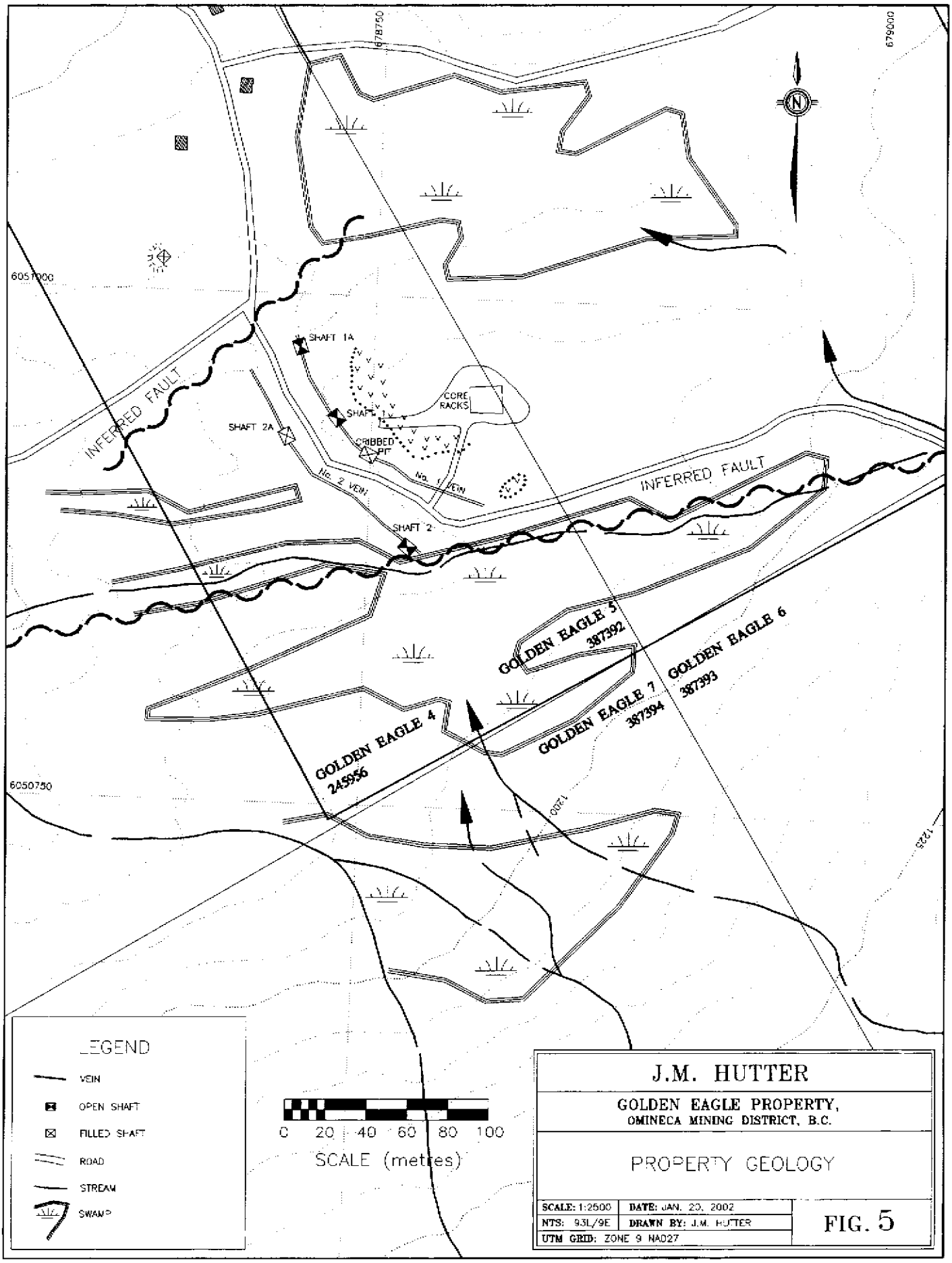
Two sub-parallel veins are known on the property, both striking northwesterly (Fig. 5). The No. 1 Vein dips from 30 to 45 degrees to the northeast. The No. 2 Vein is about 20 metres southwest of the No. 1 and dips about 70 degrees to the northeast. The vein system as presently known appears to be cut off at both ends by faults of unknown offset. These are inferred faults occupied by an un-named creek in one case and a topographic low in the other.

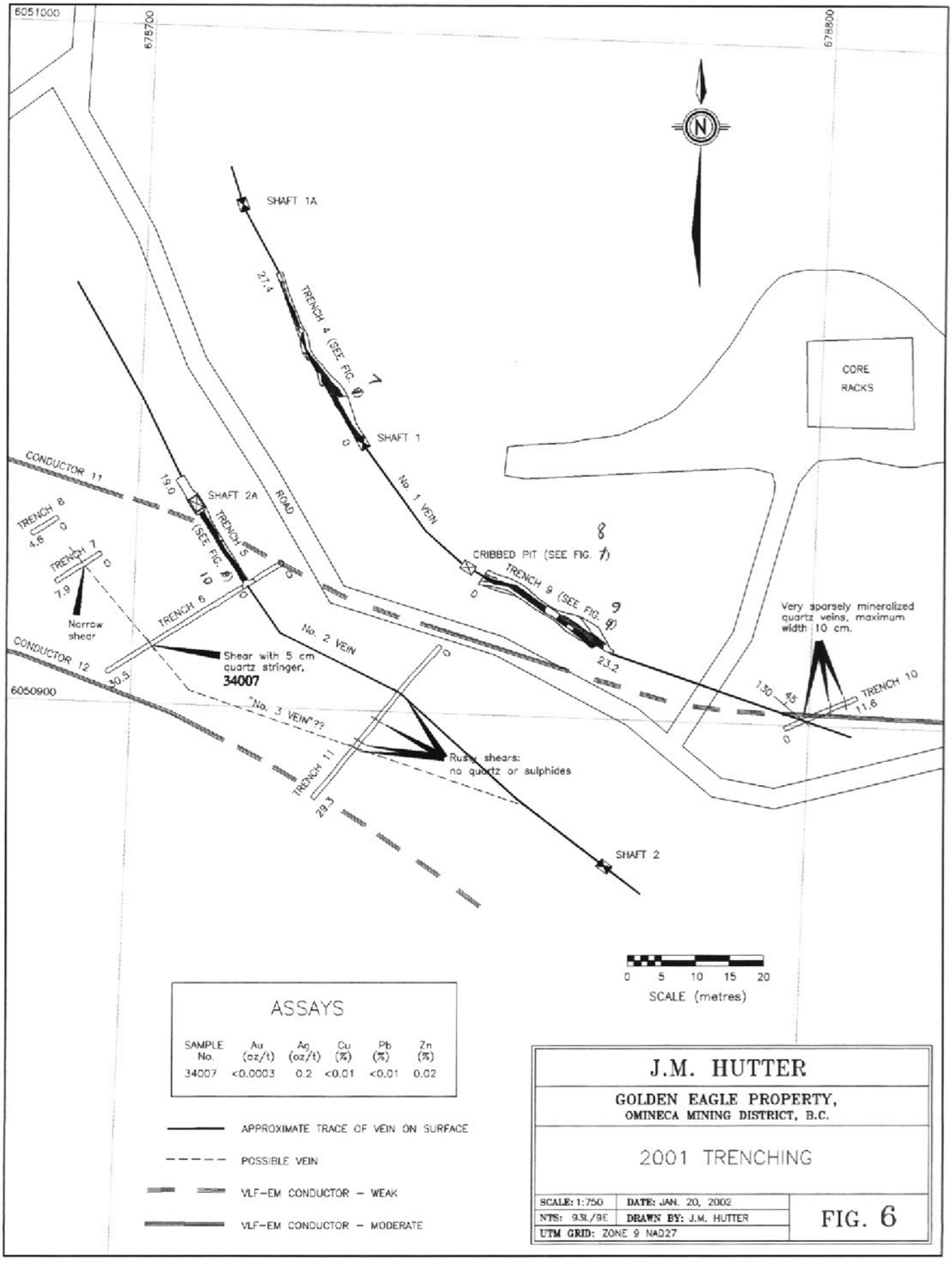
Mineral occurrences (with Minfile number) (Fig. 4B) in the vicinity of the Golden Eagle (093L 015) and within the Saddle Hill volcanics are: Joker (093L 013), Evergreen (093L 014), Silver Cup (093L 016), Three Star (093L 017), Topley Richfield (093L 018), Rainbow (093L 021), Silver King (093L 270), Maple Leaf (093L 271), Oriole (093L 272) and Tuya or Box (093L 273). The Golden Eagle, Silver Cup and Topley Richfield are classified as past producers, while the others are showings.

TRENCHING AND UNDERGROUND WORK:

Eight trenches, numbered from 4 to 11, were excavated in the 2001 program in the area of the known veins (Fig. 6, 7, 9 & 10). Total length of the trenches was 153.5 metres, and volume of material removed was approximately 428 cubic metres. The trenching was done with three objectives in mind, the first being to uncover any near surface high-grade lenses, the second being to better understand the nature of the veins, i.e. what percentage of the strike length might make ore, and the third being to investigate the possibility of a third vein that was indicated by drilling done by Bishop Resources in 1985.

Concerning the first and second objectives, the results were not spectacular, as only one small ore shoot about three metres long was encountered. However, it should be noted that observations of the veins underground give the impression that the vertical continuity of the ore shoots is better than the horizontal. Also, there is still room to do more trenching, but further work was not possible this season due to lack of time. The ore shoot that was found, though small, had acceptable grade at 339.54 oz/ton Ag over 10 cm.


678750
670000
6051000
SHAFT 1A
SHAFT 1
CORE RACKS
SHAFT 2A
CRIBBED PIT
No. 2 VEIN
No. 1 VEIN
INFERRED FAULT
INFERRED FAULT
SHAFT 2
GOLDEN EAGLE 5
387392
GOLDEN EAGLE 6
387393
GOLDEN EAGLE 7
387394
GOLDEN EAGLE 4
245956
6050750
1300
1325
N
LEGEND
VEIN
OPEN SHAFT
FILLED SHAFT
ROAD
STREAM
SWAMP
0 20 40 60 80 100
SCALE (metres)
J.M. HUTTER
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.
PROPERTY GEOLOGY
SCALE: 1:2500
DATE: JAN. 23, 2002
NTS: 93L/9E
DRAWN BY: J.M. HUTTER
UTM GRID: ZONE 9 NAD27
FIG. 5



ASSAYS

SAMPLE No.	Au (oz/t)	Ag (oz/t)	Cu (%)	Pb (%)	Zn (%)
34007	<0.0003	0.2	<0.01	<0.01	0.02

APPROXIMATE TRACE OF VEIN ON SURFACE

POSSIBLE VEIN

VLF-EM CONDUCTOR – WEAK

VLF-EM CONDUCTOR – MODERATE

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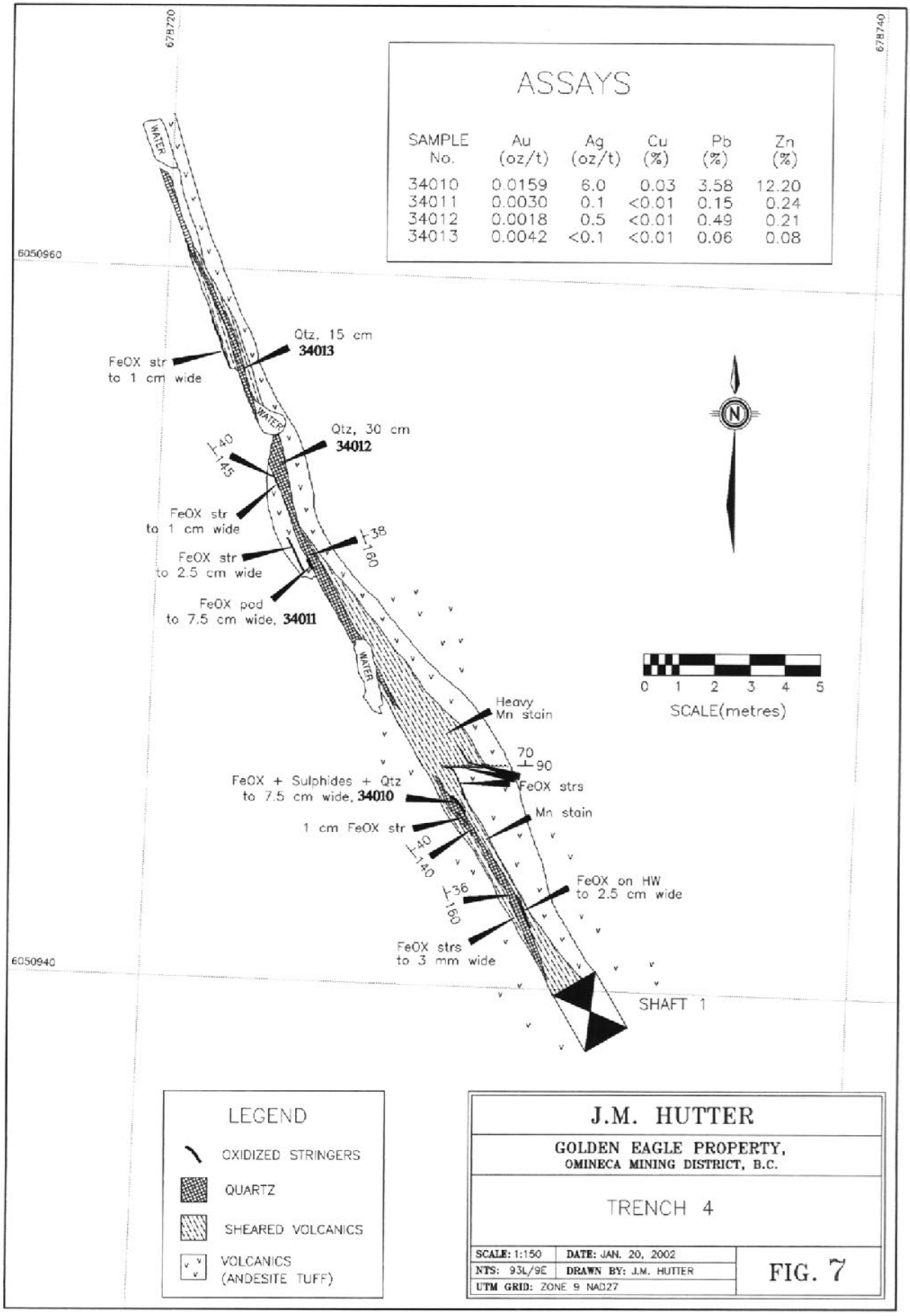
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.

2001 TRENCHING

SCALE: 1:750	**DATE:** JAN. 20, 2002
NTS: 93L/9E	**DRAWN BY:** J.M. HUTTER
UTM GRID: ZONE 9 NAD27	

FIG. 6



ASSAYS

SAMPLE No.	Au (oz/t)	Ag (oz/t)	Cu (%)	Pb (%)	Zn (%)
34010	0.0159	6.0	0.03	3.58	12.20
34011	0.0030	0.1	<0.01	0.15	0.24
34012	0.0018	0.5	<0.01	0.49	0.21
34013	0.0042	<0.1	<0.01	0.06	0.08

LEGEND

- OXIDIZED STRINGERS
- QUARTZ
- SHEARED VOLCANICS
- VOLCANICS (ANDESITE TUFF)

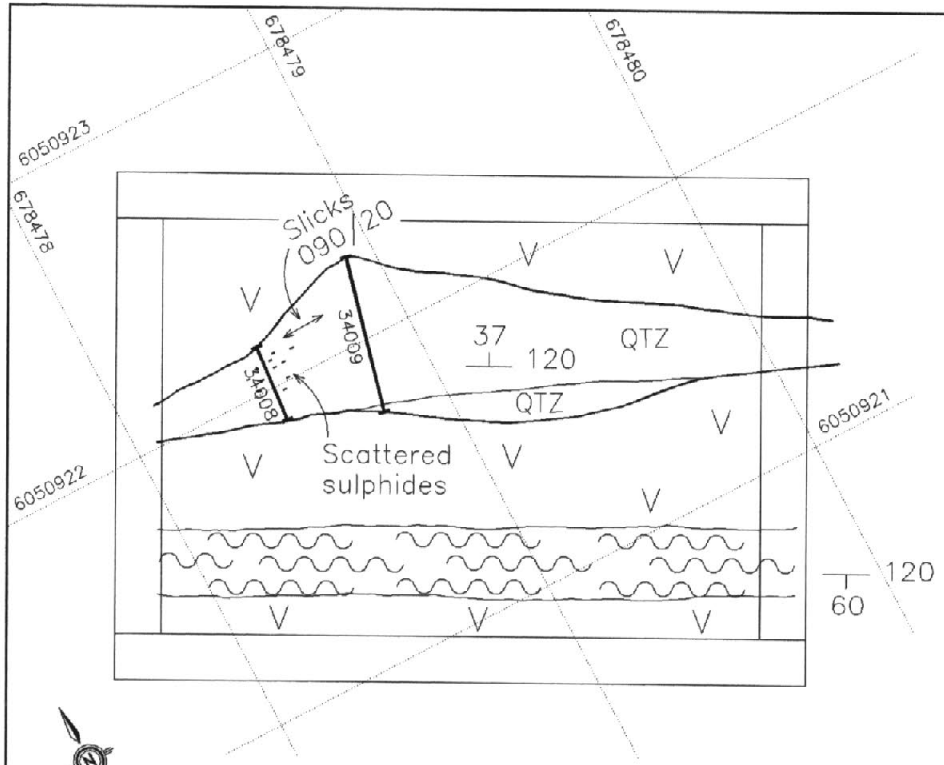
J.M. HUTTER

GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.

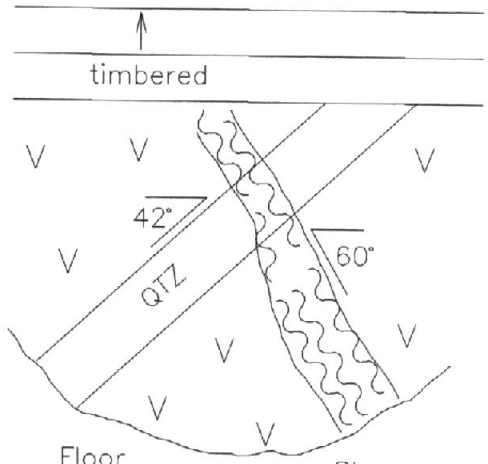
TRENCH 4

SCALE: 1:150	**DATE:** JAN. 20, 2002
NTS: 93L/9E	**DRAWN BY:** J.M. HUTTER
UTM GRID: ZONE 9 NAD27	

FIG. 7



CRIBBED PIT
PLAN VIEW



Shear zone crosses vein but does not offset it, and is weaker in area of vein.

EAST WALL OF PIT

ASSAYS

SAMPLE No.	Width (cm)	Au (oz/t)	Ag (oz/t)	Cu (%)	Pb (%)	Zn (%)
34008	25	0.0381	40.2	0.23	2.76	0.55
34009	53	0.0066	1.0	<0.01	0.14	0.12

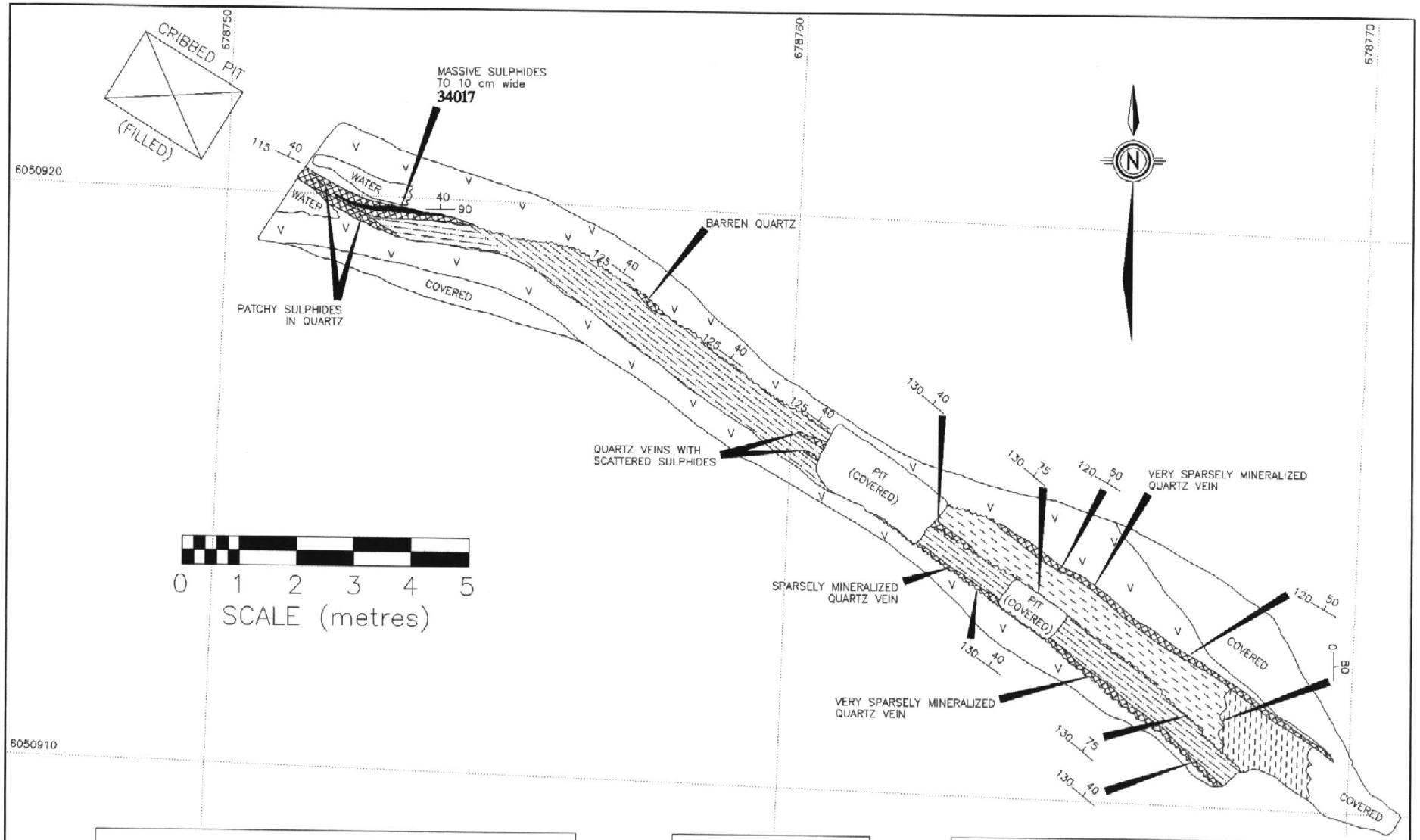
J.M. HUTTER

GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.

CRIBBED PIT

SCALE: 1:25 | **DATE:** JAN. 20, 2002
NTS: 93L/9E | **DRAWN BY:** J.M. HUTTER
UTM GRID: ZONE 9 NAD 27

FIG. 8



ASSAYS

SAMPLE No.	Au (oz/t)	Ag (oz/t)	Cu (%)	Pb (%)	Zn (%)
34017	0.1242	339.54	1.26	65.94	2.19

LEGEND

- SULPHIDES (Galena, Tetrahedrite, Sphalerite)
- QUARTZ
- STRONGLY SHEARED VOLCANICS
- WEAKLY SHEARED VOLCANICS
- VOLCANICS (ANDESITE TUFF)

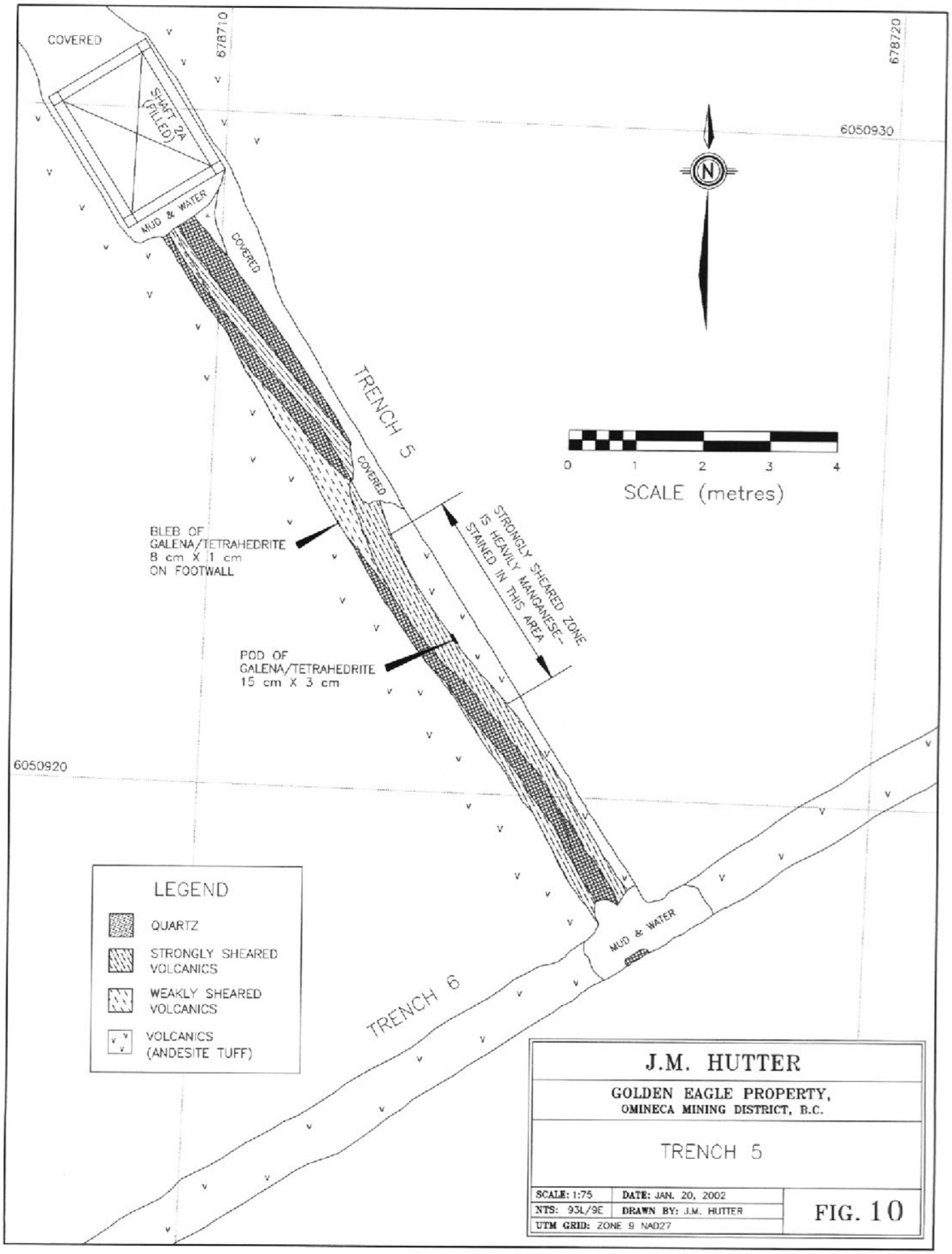
J.M. HUTTER

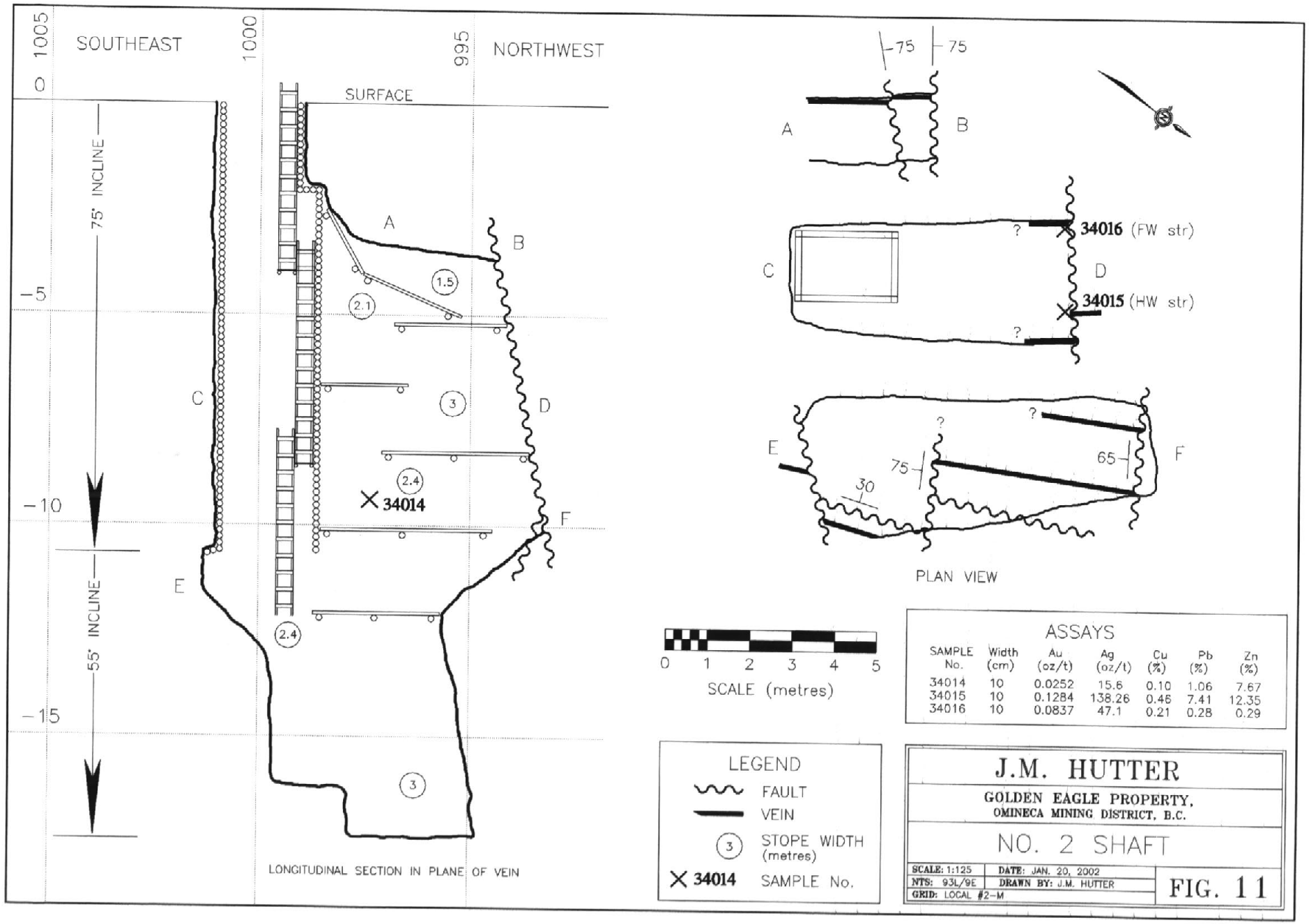
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.

TRENCH 9

SCALE: 1:100	**DATE:** JAN. 20, 2002
NTS: 93L/9E	**DRAWN BY:** J.M. HUTTER
UTM GRID: ZONE 9 NAD27	

FIG. 9


COVERED
678710
678720
6050930
SHAFT 2A (FILLED)
MUD & WATER
COVERED
TRENCH 5
COVERED
N
0 1 2 3 4
SCALE (metres)
BLEB OF GALENA/TETRAHEDRITE 8 cm X 1 cm ON FOOTWALL
STRONGLY SHEARED ZONE IS HEAVILY MANGANESE-STAINED IN THIS AREA
POD OF GALENA/TETRAHEDRITE 15 cm X 3 cm
6050920
LEGEND
QUARTZ
STRONGLY SHEARED VOLCANICS
WEAKLY SHEARED VOLCANICS
VOLCANICS (ANDESITE TUFF)
MUD & WATER
TRENCH 6
J.M. HUTTER
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.
TRENCH 5
SCALE: 1:75
DATE: JAN. 20, 2002
NTS: 93L/9E
DRAWN BY: J.M. HUTTER
UTM GRID: ZONE 9 NAD27
FIG. 10



ASSAYS

SAMPLE No.	Width (cm)	Au (oz/t)	Ag (oz/t)	Cu (%)	Pb (%)	Zn (%)
34014	10	0.0252	15.6	0.10	1.06	7.67
34015	10	0.1284	138.26	0.46	7.41	12.35
34016	10	0.0837	47.1	0.21	0.28	0.29

J.M. HUTTER

GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.

NO. 2 SHAFT

SCALE: 1:125 | DATE: JAN. 20, 2002
NTS: 93L/9E | DRAWN BY: J.M. HUTTER
GRID: LOCAL #2-M

FIG. 11

The existance of the third vein is not yet proven. Trenches 6, 7 and 11 uncovered a rusty shear zone with minor quartz that could be a splay off the No. 2 Vein. It should be noted that the No. 2 Vein, where exposed by trench 11, appears much less interesting than the rusty shear zone. It may be that more trenching of the shear will eventually encounter ore.

An old cribbed pit on the No. 1 Vein, which was considered at first to possibly be a filled shaft, was also excavated, but reached bottom at a depth of 4 metres (Fig. 8). A quartz vein up to 43 cm wide was found at the bottom but it was rather poor in sulphides. Two samples were taken, the best of which carried 40.2 oz/ton Ag.

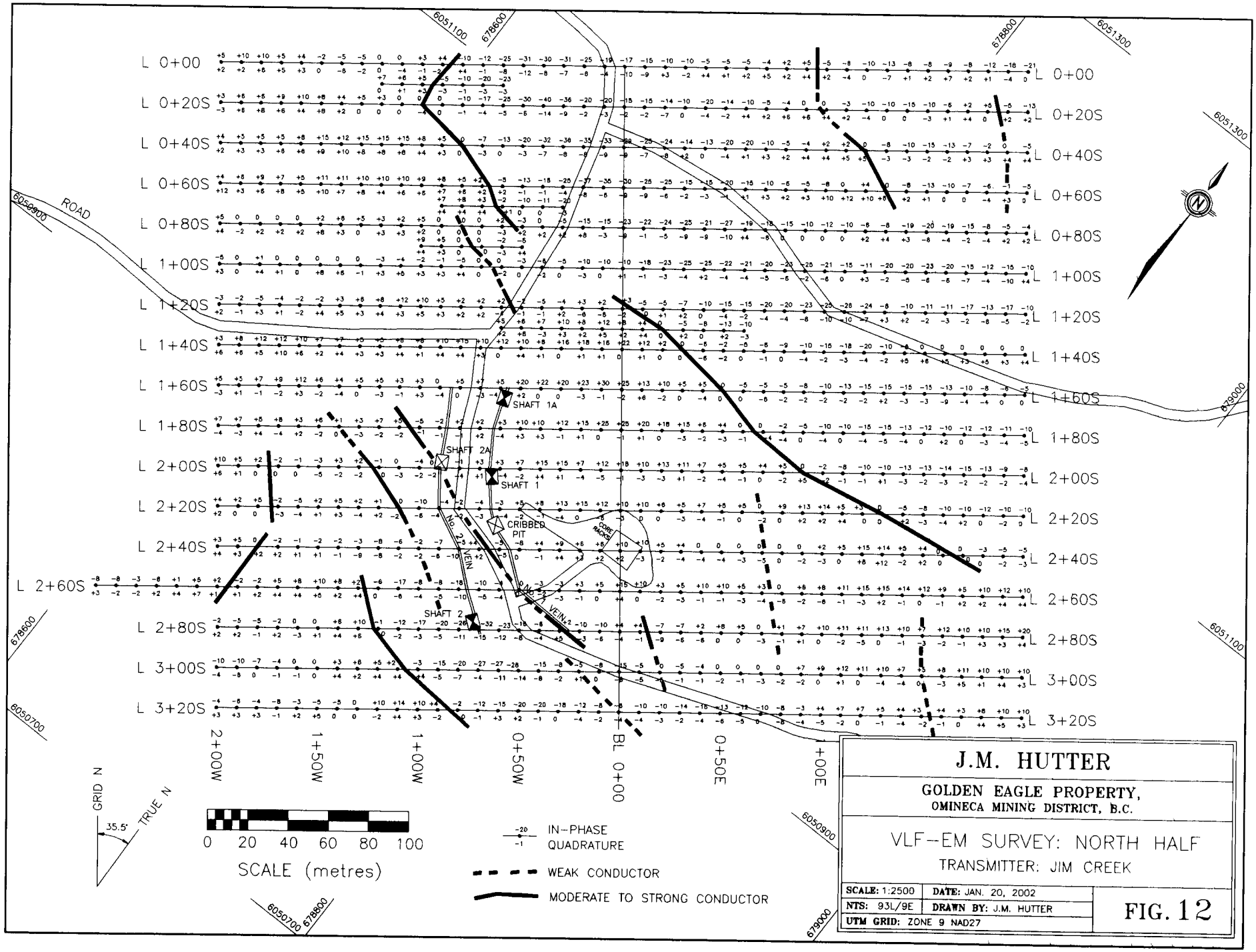
A shaft on the southeastern end of the No. 2 Vein, now designated the No. 2 shaft, was completely dewatered to a depth of 17.5 metres (Fig. 11). The first 11 metres of the shaft is inclined at about 75 degrees and is nicely timbered. The lower 6.5 metre section, which is not timbered, is inclined at about 55 degrees in order to follow the vein as it was offset into the hangingwall by small crosscutting faults. The vein, which is in fact two parallel quartz and sulphide stringers separated by up to 3 metres of country rock, has been stoped out between the shaft and a sub-vertical fault 4 to 5 metres northwest of the edge of the shaft. The vein can be seen in places to continue beyond the fault, where one of the stringers assayed 138.26 oz/ton Ag over 10 cm.

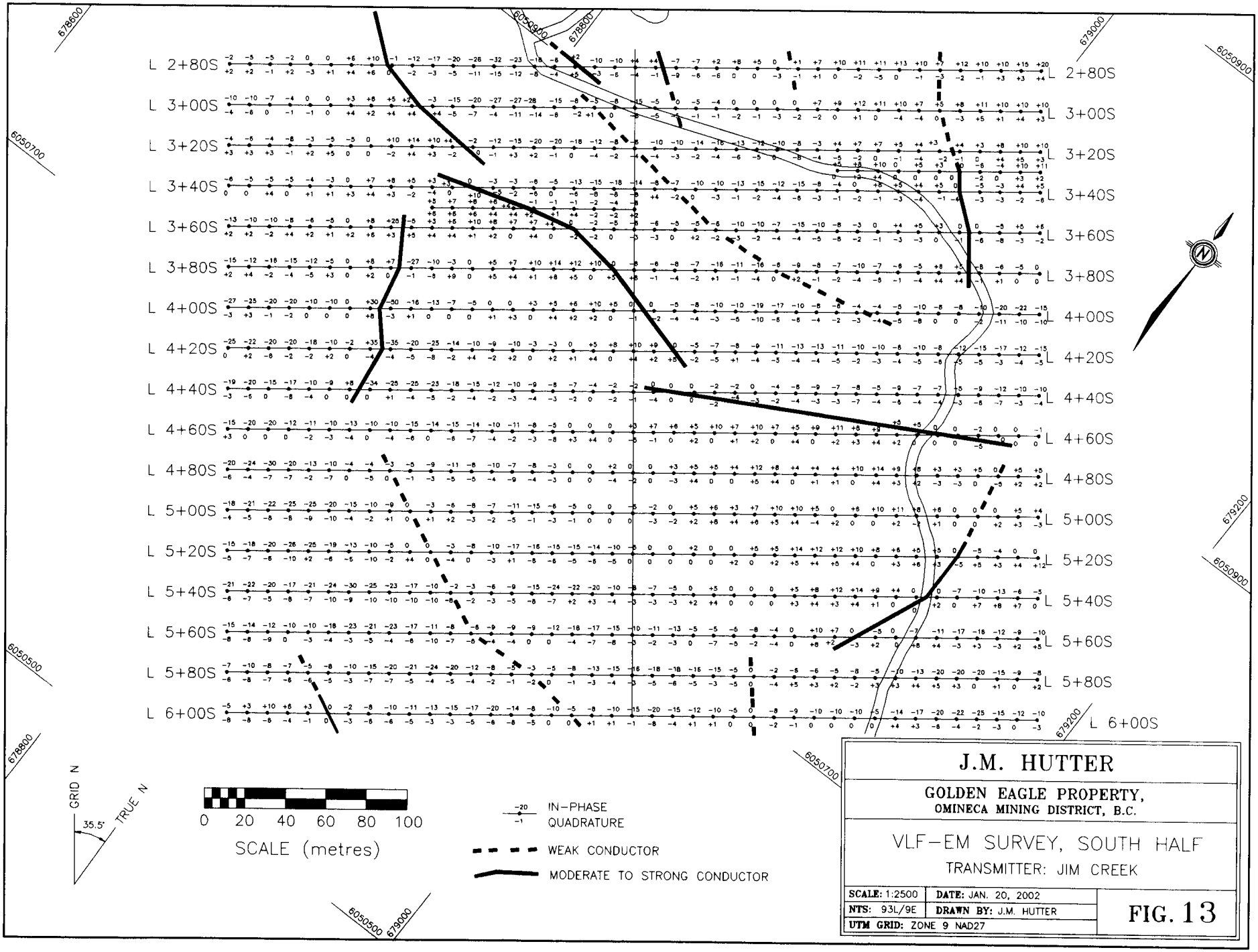
VLF-EM SURVEY:

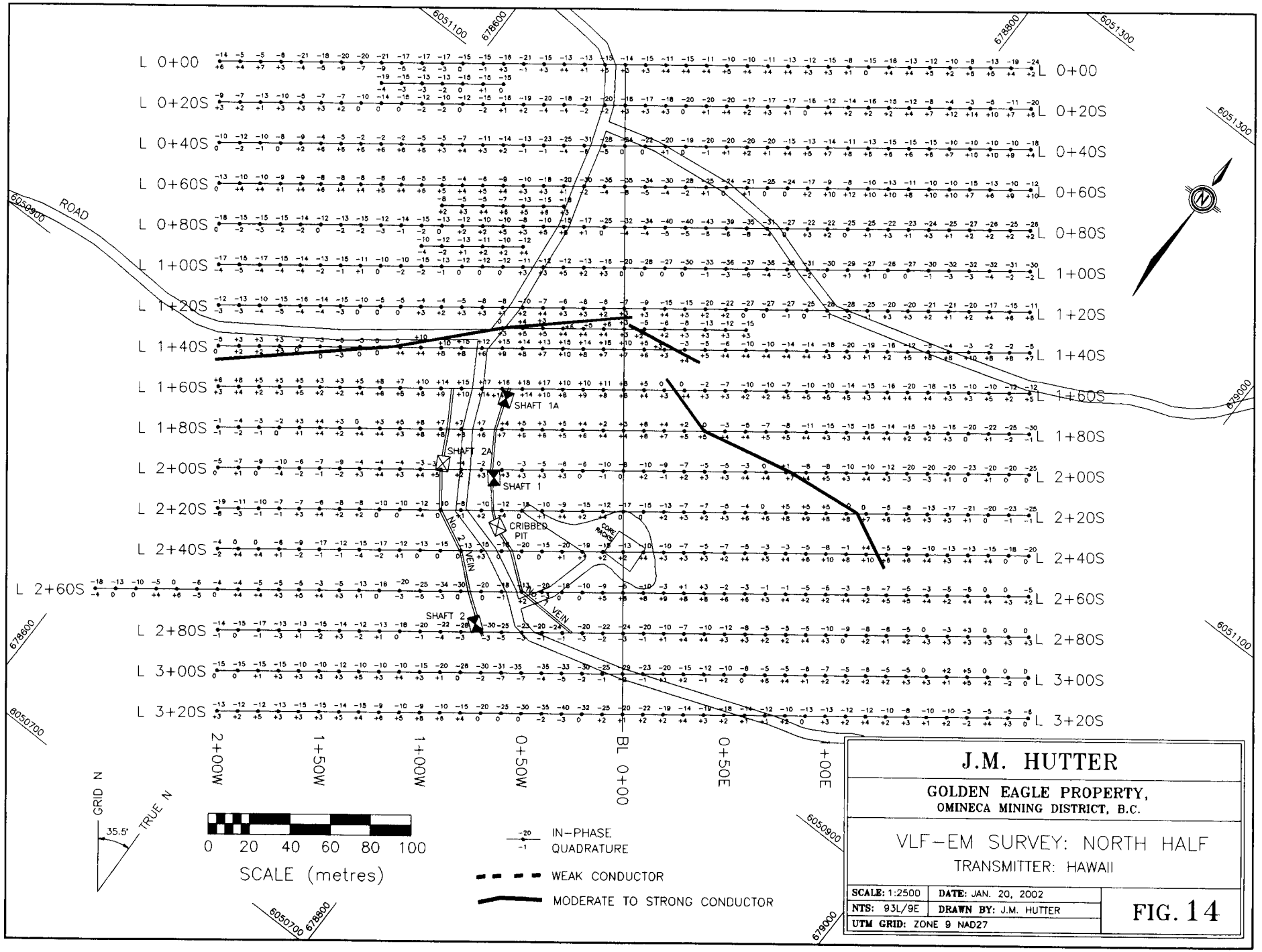
A VLF-EM survey was done with an EM-16 machine using the stations Jim Creek (formerly Seattle) and Hawaii (Fig. 12 to 15). A flagged grid of dimensions 400 by 600 metres was put in by hip-chain and compass from a central picketed, chained and slope-corrected baseline. Grid lines were put in every 20 metres with 10 metre station intervals. A total of 13.55 km. of lines were put in with 1332 stations. It was originally planned to put in a tighter grid over the area of the known veins, but the EM response was so poor in this area that such a procedure was considered to be a waste of effort. The time was used instead to place fill-in lines in places of interest on various other conductors.

The Jim Creek station was quite weak and the quadrature readings were not found to have good repeatability but were nevertheless recorded. The quadrature readings are presented in this report but are not used.

The data was analyzed by directly plotting crossovers and inflection points on the map. A total of 24 conductors were found within the grid area (Fig. 16). Based on their orientation and in some cases on their location or relationship to other conductors, eleven are interpreted to represent possible veins, seven are probably faults, and six have not been classified (Fig. 17). Because the known veins are not


L 0+00
L 0+20S
L 0+40S
L 0+60S
L 0+80S
L 1+00S
L 1+20S
L 1+40S
L 1+60S
L 1+80S
L 2+00S
L 2+20S
L 2+40S
L 2+60S
L 2+80S
L 3+00S
L 3+20S
6051100
6051300
6050900
6050700
6078600
6078800
6079000
ROAD
SHAFT 1A
SHAFT 2A
SHAFT 1
CRIBBED PIT
CORE ROOM
No. 2 VEIN
No. 1 VEIN
SHAFT 2
2+00W
1+50W
1+00W
0+50W
BL 0+00
0+50E
1+00E
GRID N
TRUE N
35.5°
0 20 40 60 80 100
SCALE (metres)
-20 / -1 IN-PHASE QUADRATURE
WEAK CONDUCTOR
MODERATE TO STRONG CONDUCTOR
J.M. HUTTER
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.
VLF-EM SURVEY: NORTH HALF
TRANSMITTER: JIM CREEK
SCALE: 1:2500
DATE: JAN. 20, 2002
NTS: 93L/9E
DRAWN BY: J.M. HUTTER
UTM GRID: ZONE 9 NAD27
FIG. 12


L 2+80S
L 3+00S
L 3+20S
L 3+40S
L 3+60S
L 3+80S
L 4+00S
L 4+20S
L 4+40S
L 4+60S
L 4+80S
L 5+00S
L 5+20S
L 5+40S
L 5+60S
L 5+80S
L 6+00S
678600
678800
679000
679200
6050900
6050700
6050500
GRID N
TRUE N
35.5°
0 20 40 60 80 100
SCALE (metres)
IN-PHASE
QUADRATURE
WEAK CONDUCTOR
MODERATE TO STRONG CONDUCTOR
J.M. HUTTER
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.
VLF-EM SURVEY, SOUTH HALF
TRANSMITTER: JIM CREEK
SCALE: 1:2500
DATE: JAN. 20, 2002
NTS: 93L/9E
DRAWN BY: J.M. HUTTER
UTM GRID: ZONE 9 NAD27
FIG. 13



J.M. HUTTER

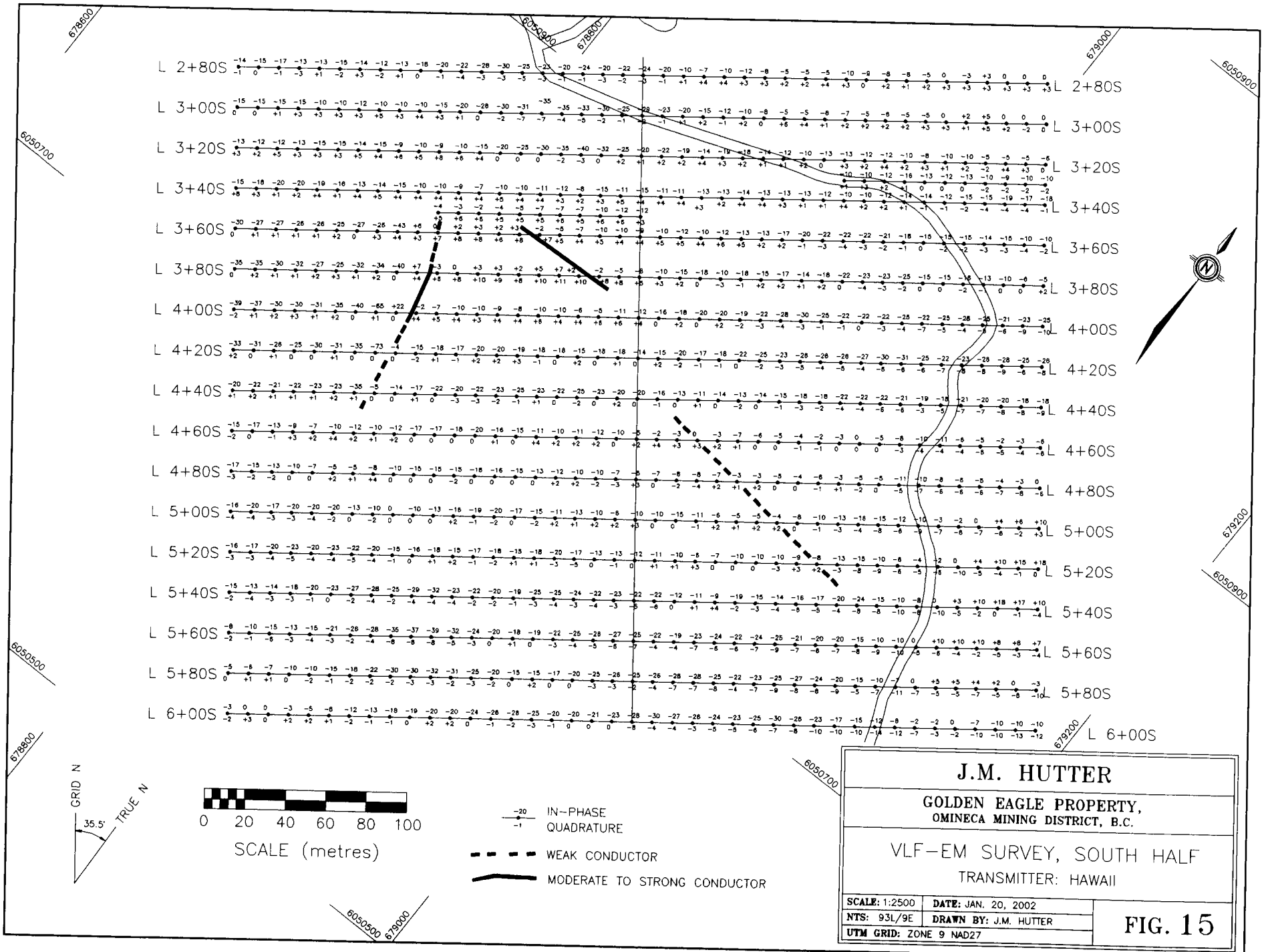
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.

VLF-EM SURVEY: NORTH HALF

TRANSMITTER: HAWAII

SCALE: 1:2500	**DATE:** JAN. 20, 2002
NTS: 93L/9E	**DRAWN BY:** J.M. HUTTER
UTM GRID: ZONE 9 NAD27	

FIG. 14



J.M. HUTTER

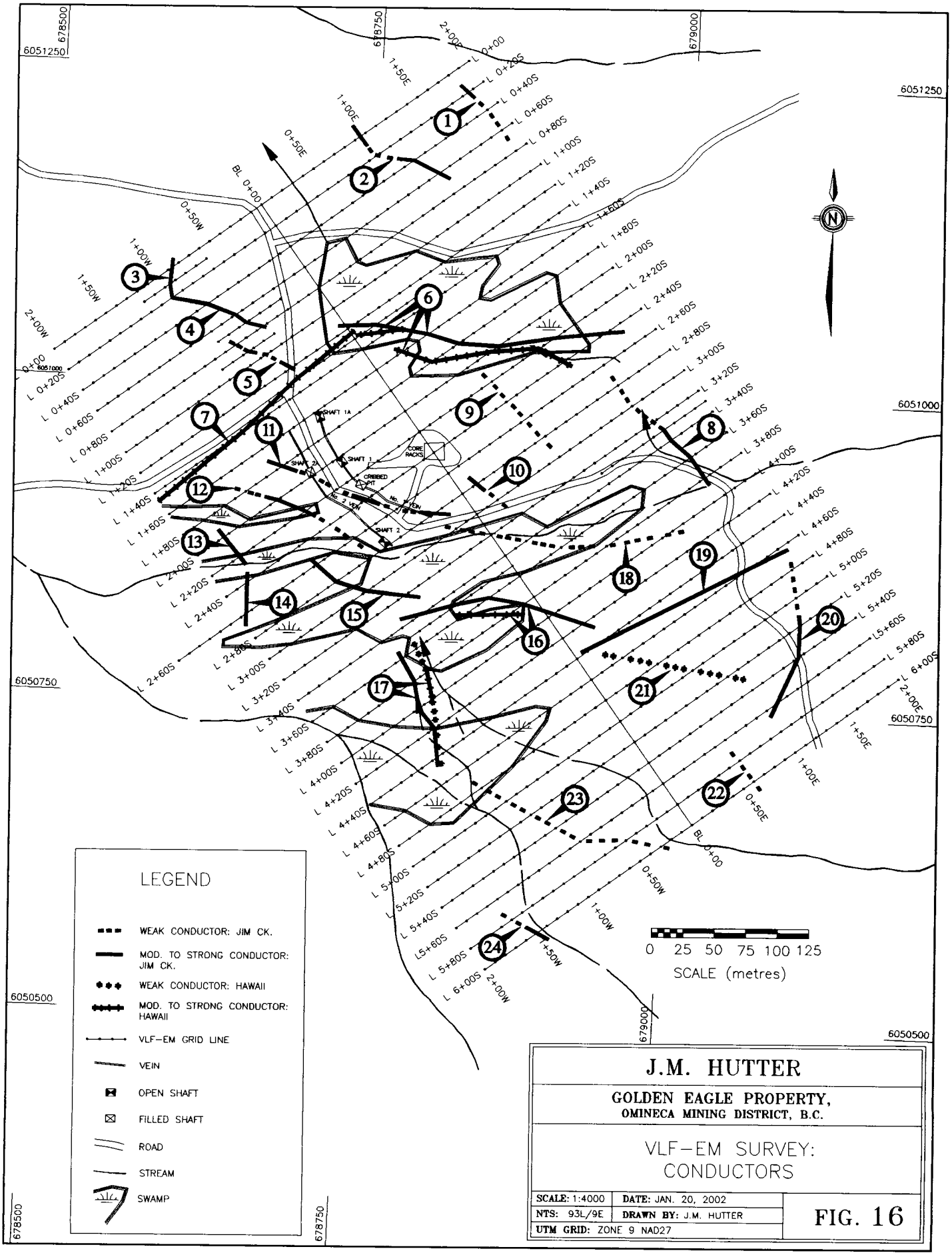
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.

VLF-EM SURVEY, SOUTH HALF

TRANSMITTER: HAWAII

SCALE: 1:2500	**DATE:** JAN. 20, 2002
NTS: 93L/9E	**DRAWN BY:** J.M. HUTTER
UTM GRID: ZONE 9 NAD27	

FIG. 15



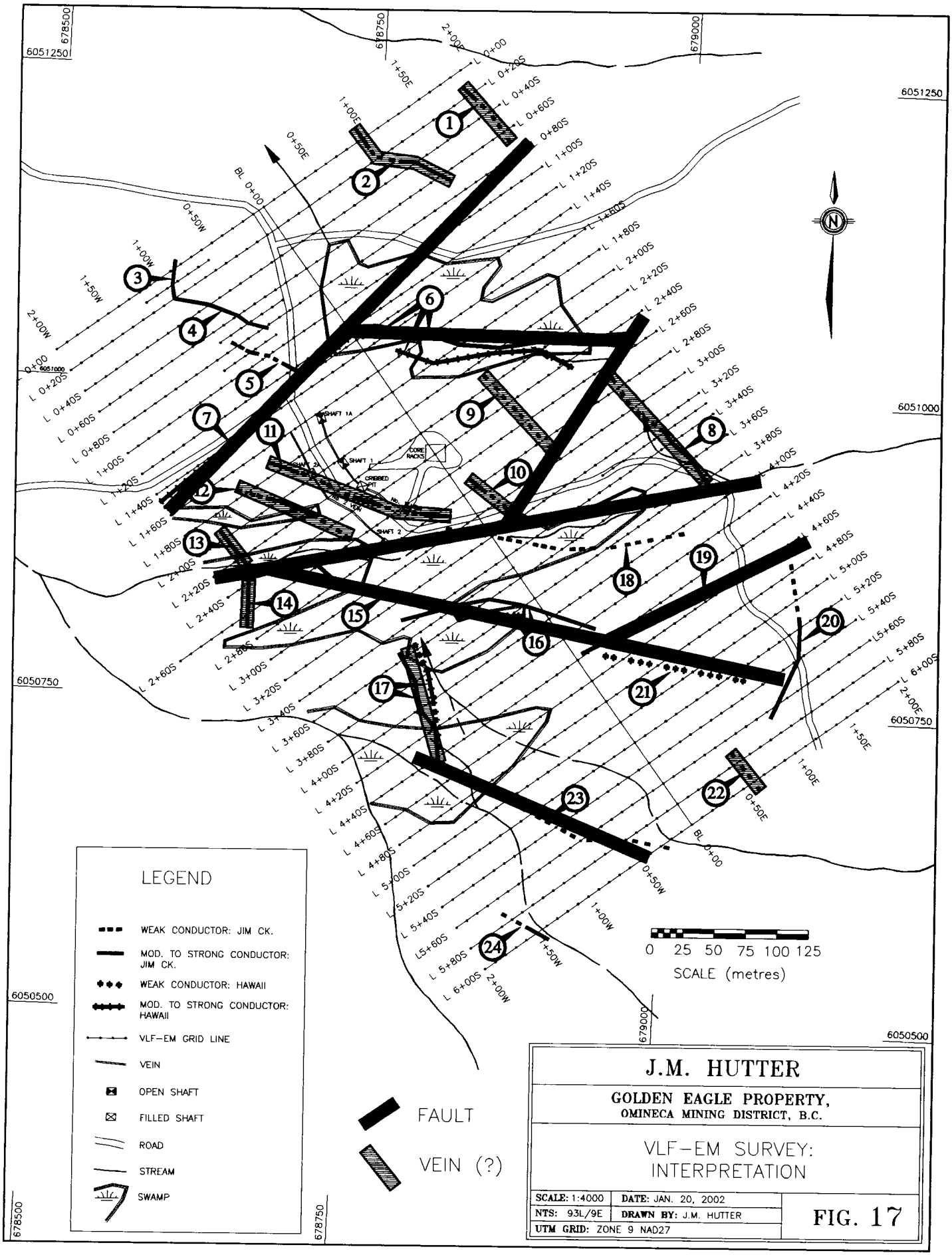
J.M. HUTTER

GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.

VLF-EM SURVEY:
CONDUCTORS

SCALE: 1:4000	**DATE:** JAN. 20, 2002
NTS: 93L/9E	**DRAWN BY:** J.M. HUTTER
UTM GRID: ZONE 9 NAD27	

FIG. 16



J.M. HUTTER

GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.

VLF–EM SURVEY:
INTERPRETATION

SCALE: 1:4000	DATE: JAN. 20, 2002
NTS: 93L/9E	DRAWN BY: J.M. HUTTER
UTM GRID: ZONE 9 NAD27	

FIG. 17

straight but have a considerable curvature, it is difficult to classify with any degree of certainty conductors with an orientation that doesn't quite match the veins.

Conductors indicated by crossovers were considered to be moderate to strong, whereas those indicated by inflection points were considered weak.

EM response over the known veins was quite poor, and it is likely that the conductors 11 and 12 found in this area are not a response to the veins but rather to splays, one of which was indicated by trenching. It remains to be seen whether or not the splay is mineralized.

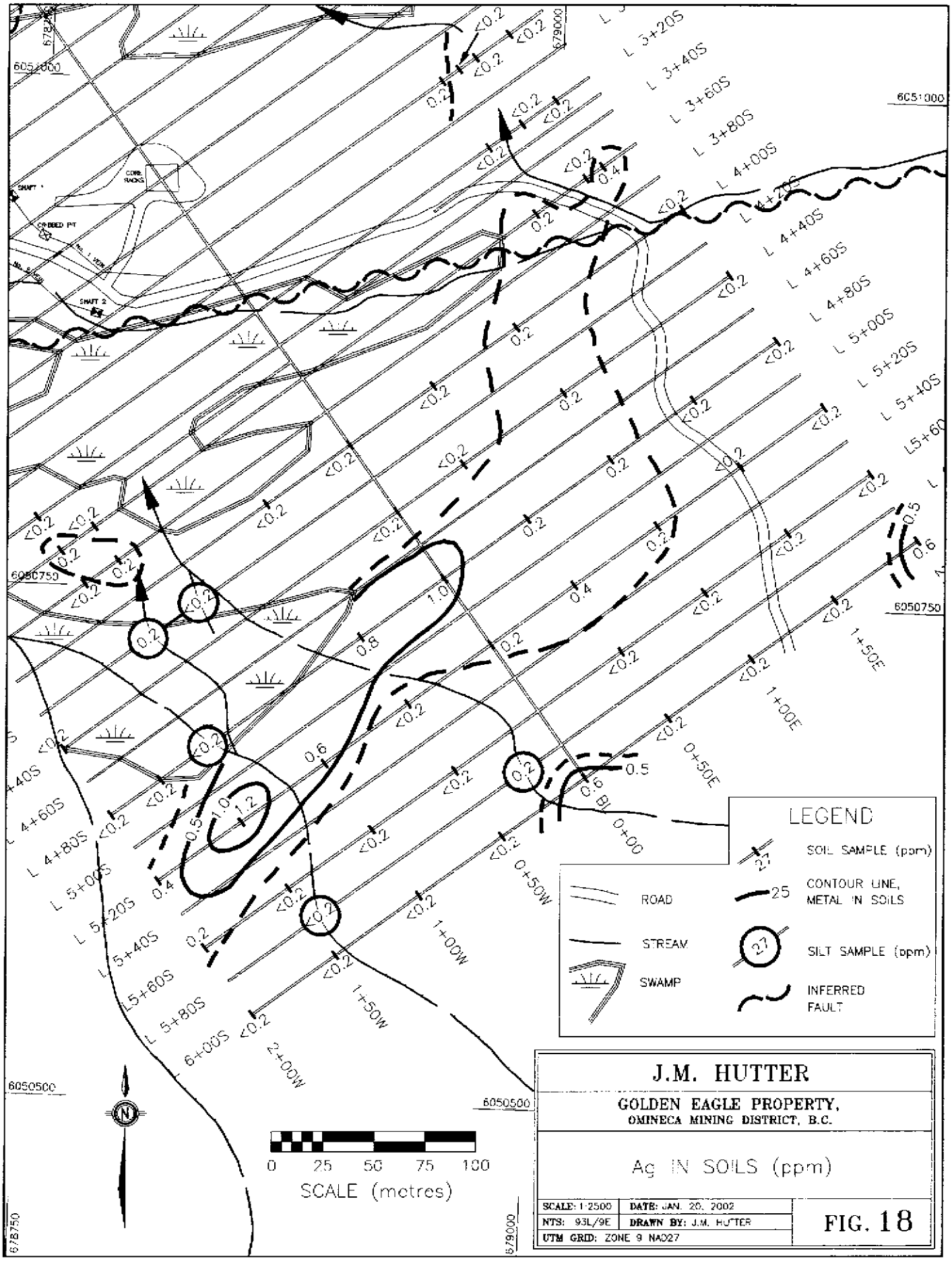
Concerning further investigations, conductor 17 is probably the most interesting. It is parallel to the northwest ends of the known veins and is the strongest of all the conductors. Conductor 8 is also of considerable interest because it is fairly long and its orientation matches the average strike of the known veins.

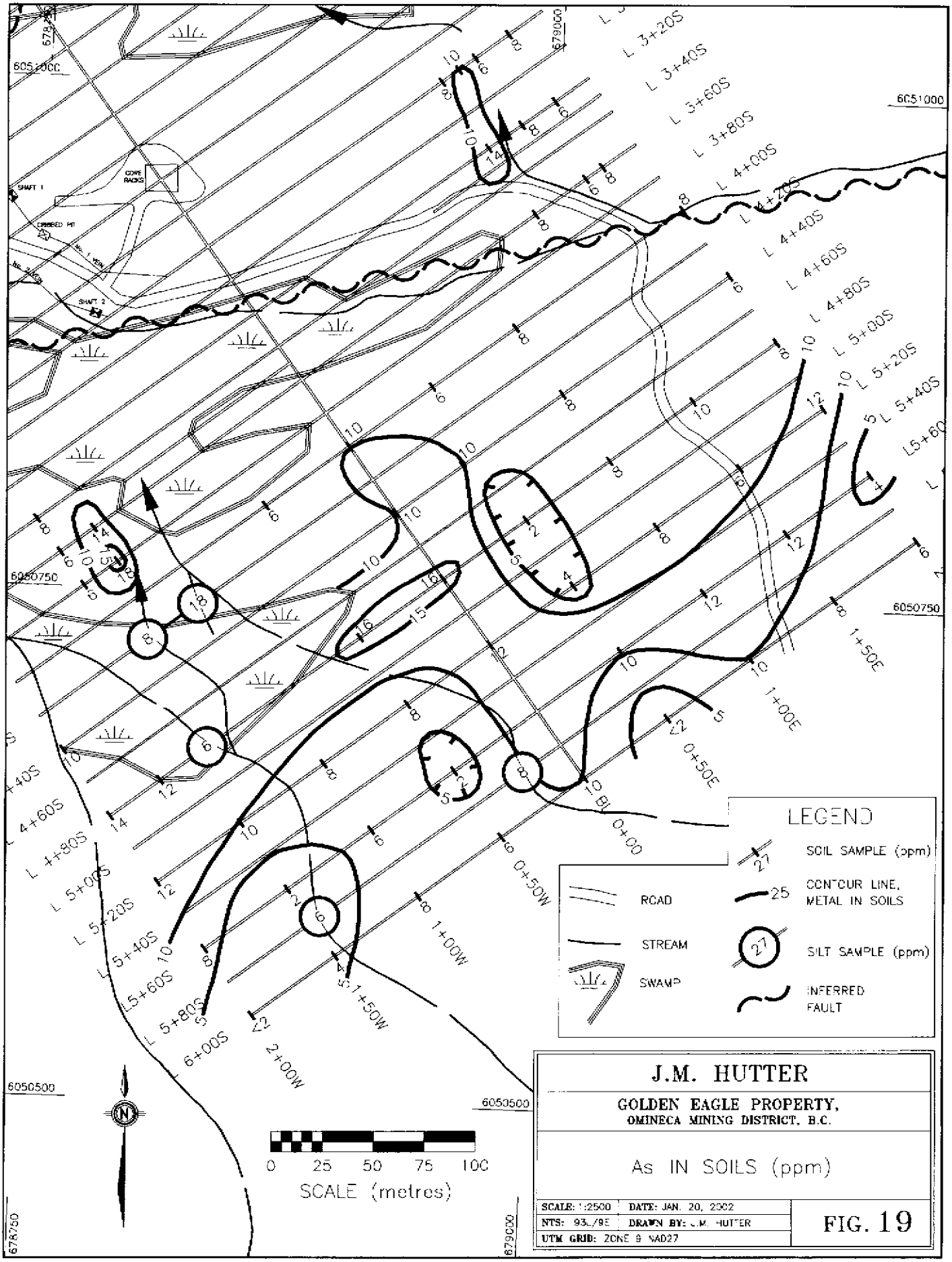
Seven of the 24 conductors are thought to be probable faults, based on their orientations being roughly parallel to previously inferred faults. One of these seven conductors is in fact one of the inferred faults. A fault with no EM response was inferred to explain the termination of conductors 6, 8 and 9. Conductor 7, interpreted as a fault, has been inferred to extend beyond the length that would be indicated by its EM response in order to account for the terminations of conductors 1 and 2.

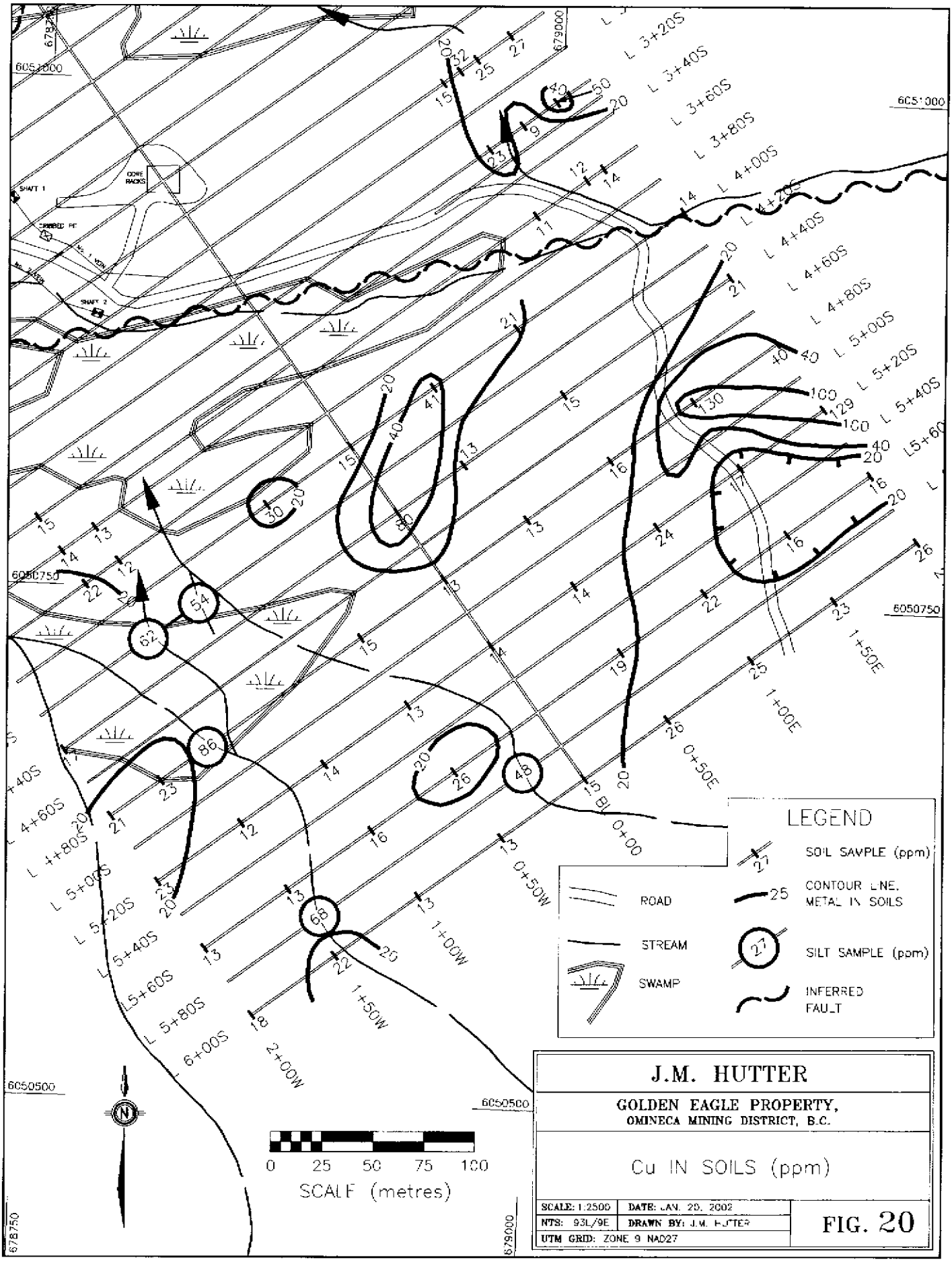
It is interesting to note that the inferred fault which runs down a long straight un-named creek and cuts off the veins at their southeast ends has no EM response, unless one considers the weak conductor 18 to be part of this fault. However, it is not impossible that conductor 18 might be a vein, as it trends almost parallel to the southeast end of the No. 1 Vein.

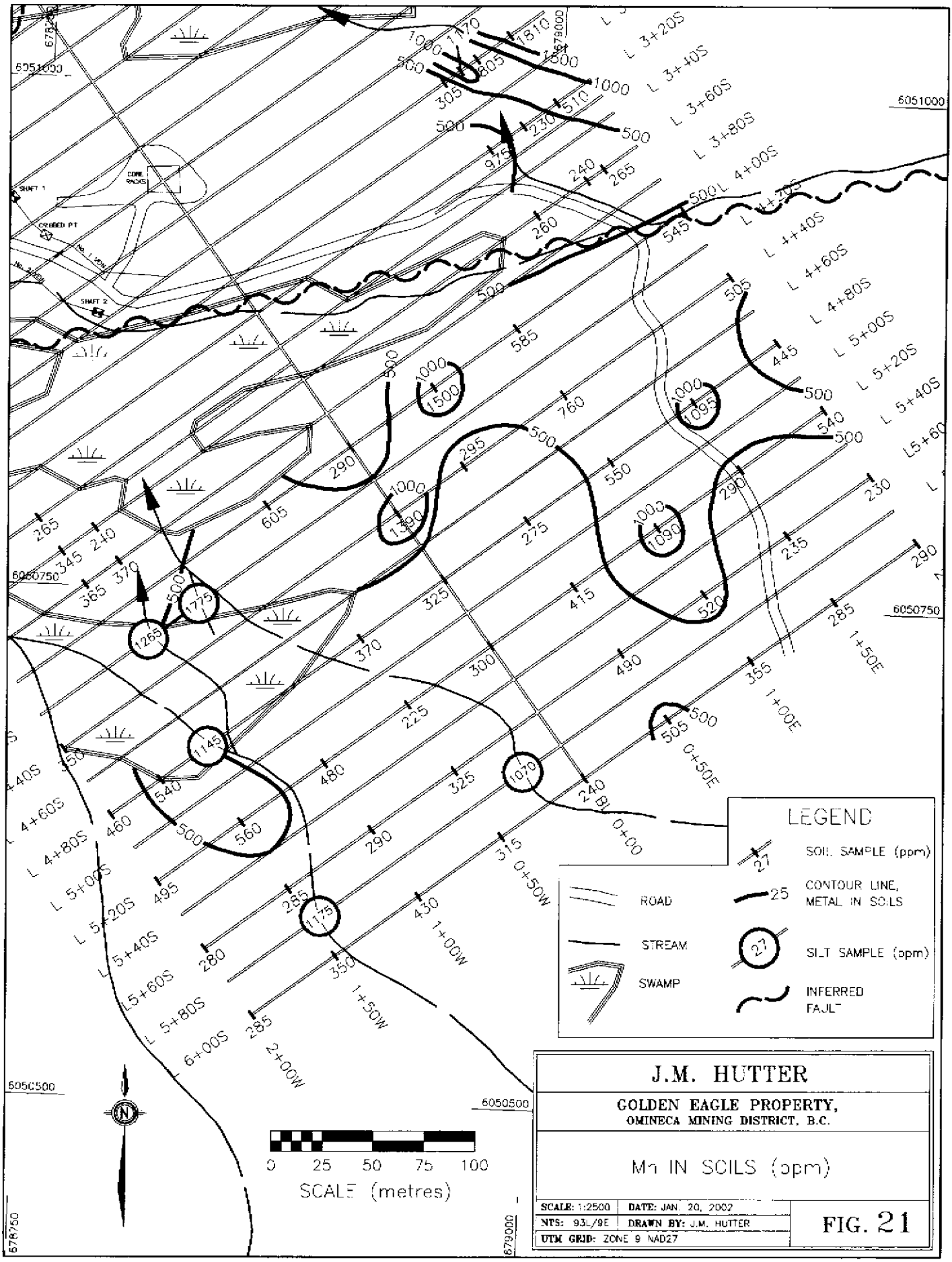
GEOCHEMISTRY:

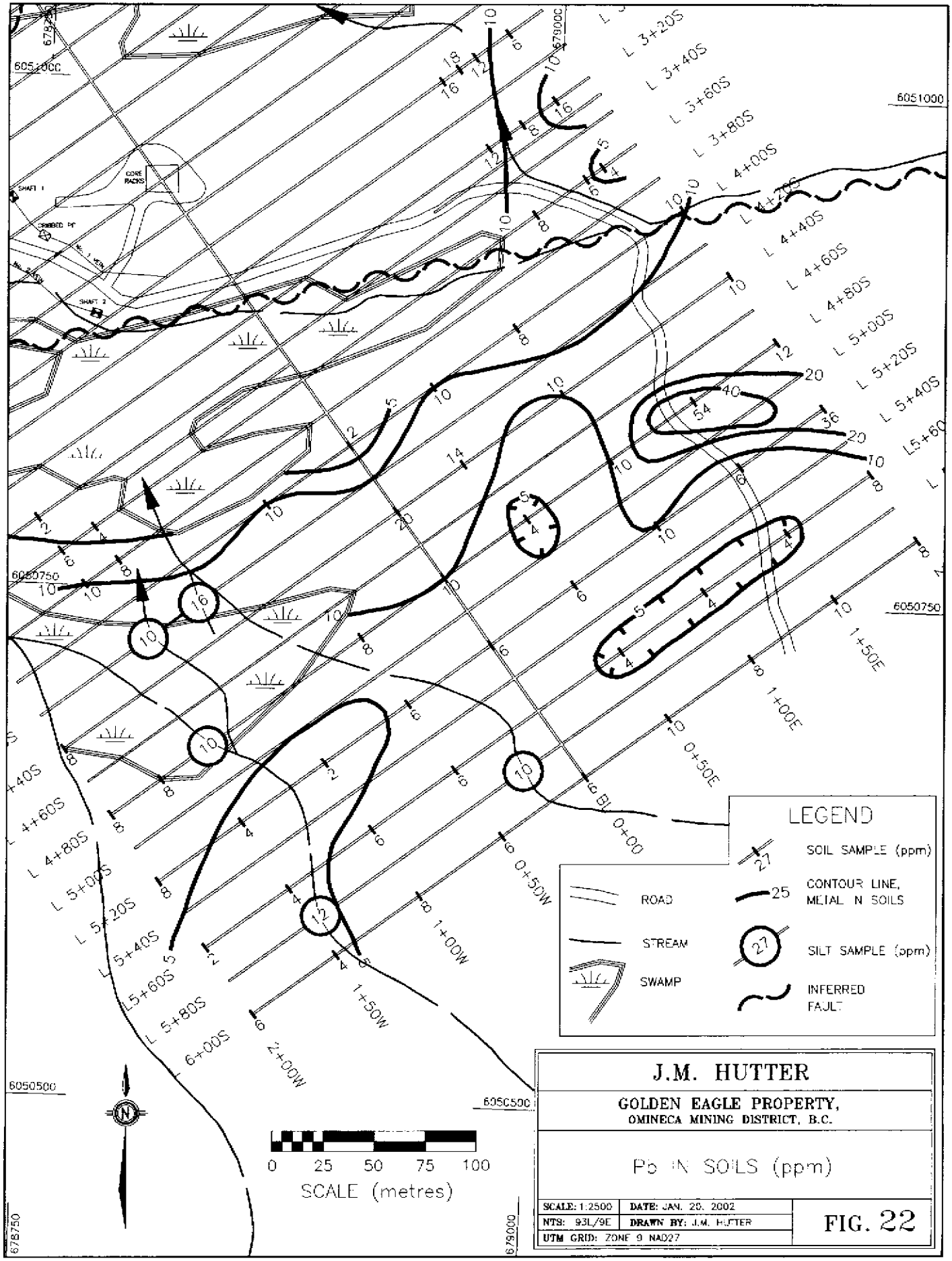
59 soil samples and 5 silt samples were taken over the southeastern part of the grid. Results were plotted and contoured for Ag, As, Cu, Mn, Pb, Sb, and Zn. No anomalies of significance were noted (Fig. 18 to 24).


LEGEND
SOIL SAMPLE (ppm)
CONTOUR LINE, METAL IN SOILS
ROAD
STREAM
SWAMP
SILT SAMPLE (ppm)
INFERRED FAULT
0 25 50 75 100
SCALE (metres)
J.M. HUTTER
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.
Ag IN SOILS (ppm)
SCALE: 1:2500
DATE: JAN. 20, 2002
NTS: 93L/9E
DRAWN BY: J.M. HUTTER
UTM GRID: ZONE 9 NAD27
FIG. 18


LEGEND
SOIL SAMPLE (ppm)
CONTOUR LINE, METAL IN SOILS
ROAD
STREAM
SILT SAMPLE (ppm)
SWAMP
INFERRED FAULT
J.M. HUTTER
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.
As IN SOILS (ppm)
SCALE: 1:2500
DATE: JAN. 20, 2002
NTS: 93L/9E
DRAWN BY: J.M. HUTTER
UTM GRID: ZONE 9 NAD27
FIG. 19
0 25 50 75 100
SCALE (metres)
6051000
6050750
6050500
679000
678750
L 3+20S
L 3+40S
L 3+60S
L 3+80S
L 4+00S
L 4+20S
L 4+40S
L 4+60S
L 4+80S
L 5+00S
L 5+20S
L 5+40S
L5+60S
L 5+80S
6+00S
0+00
0+50E
1+00E
1+50E
0+50W
1+00W
1+50W
2+00W


LEGEND
SOIL SAMPLE (ppm)
CONTOUR LINE, METAL IN SOILS
ROAD
STREAM
SILT SAMPLE (ppm)
SWAMP
INFERRED FAULT
0 25 50 75 100
SCALE (metres)
J.M. HUTTER
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.
Cu IN SOILS (ppm)
SCALE: 1:2500
DATE: JAN. 20, 2002
NTS: 93L/9E
DRAWN BY: J.M. HUTTER
UTM GRID: ZONE 9 NAD27
FIG. 20


LEGEND
SOIL SAMPLE (ppm)
CONTOUR LINE, METAL IN SOILS
ROAD
STREAM
SILT SAMPLE (ppm)
SWAMP
INFERRED FAULT
J.M. HUTTER
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.
Mn IN SOILS (ppm)
SCALE: 1:2500
DATE: JAN. 20, 2002
NTS: 93L/9E
DRAWN BY: J.M. HUTTER
UTM GRID: ZONE 9 NAD27
FIG. 21
0 25 50 75 100
SCALE (metres)
6051000
6050750
6050500
678750
679000


LEGEND
SOIL SAMPLE (ppm)
CONTOUR LINE, METAL IN SOILS
ROAD
STREAM
SWAMP
SILT SAMPLE (ppm)
INFERRED FAULT
J.M. HUTTER
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.
Pb IN SOILS (ppm)
SCALE: 1:2500
DATE: JAN. 20, 2002
NTS: 93L/9E
DRAWN BY: J.M. HUTTER
UTM GRID: ZONE 9 NAD27
FIG. 22
0 25 50 75 100
SCALE (metres)
6051000
6050750
6050500
679000
678750
L 3+20S
L 3+40S
L 3+60S
L 3+80S
L 4+00S
L 4+20S
L 4+40S
L 4+60S
L 4+80S
L 5+00S
L 5+20S
L 5+40S
L5+60S
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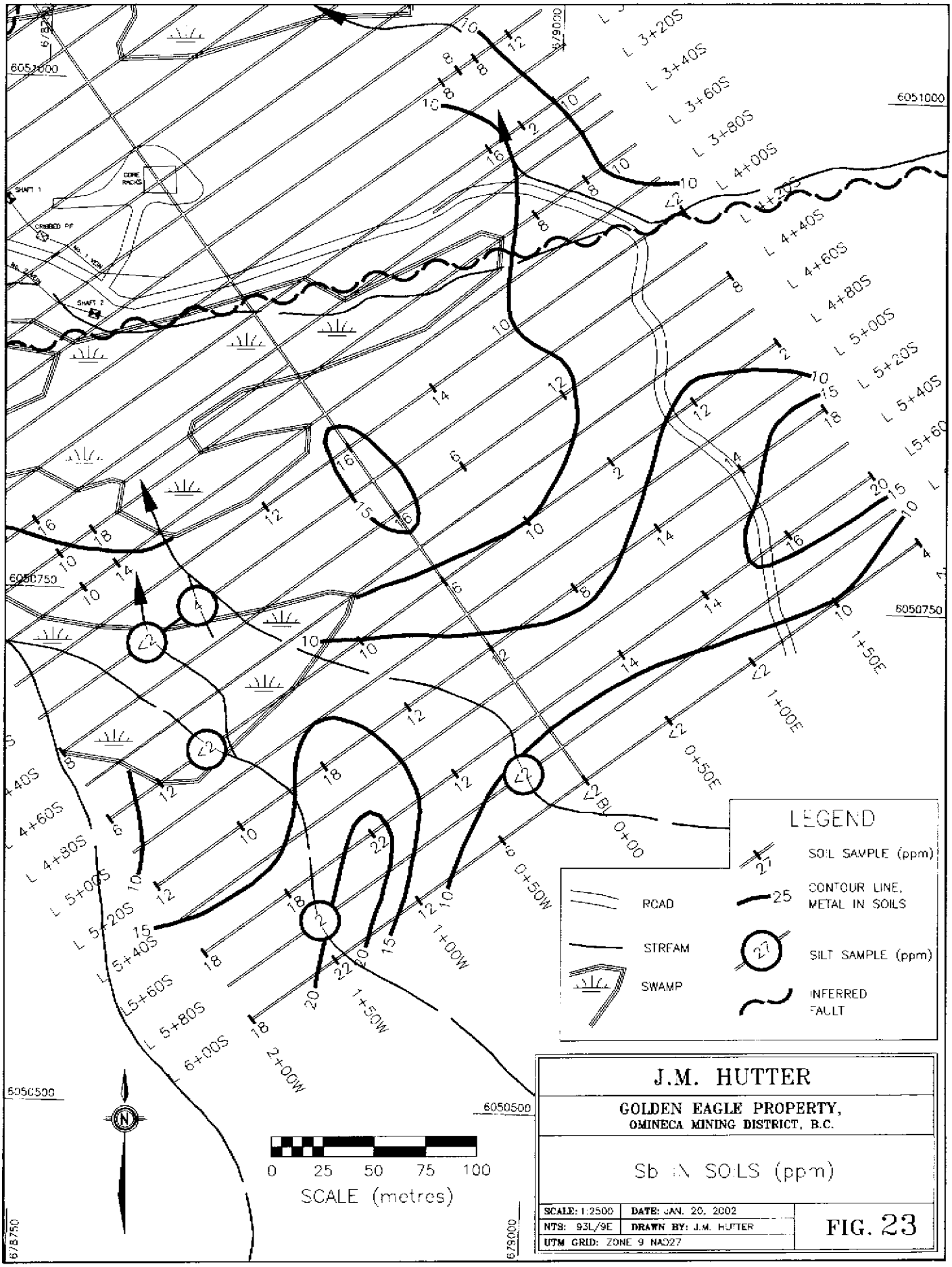
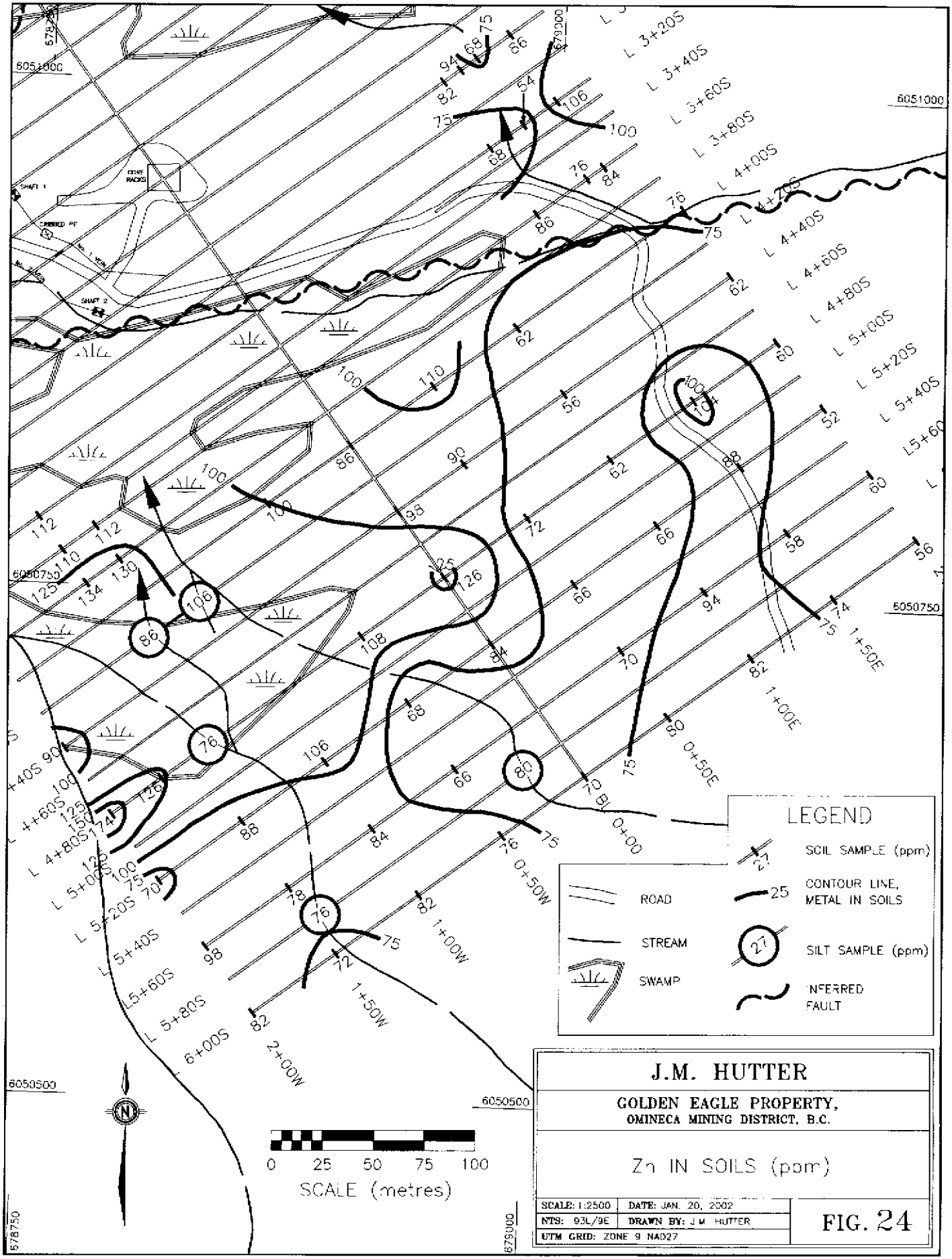
0+00
0+50W
1+00W
1+50W
2+00W


LEGEND
SOIL SAMPLE (ppm)
CONTOUR LINE, METAL IN SOILS
ROAD
STREAM
SILT SAMPLE (ppm)
SWAMP
INFERRED FAULT
0 25 50 75 100
SCALE (metres)
J.M. HUTTER
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.
Sb IN SOILS (ppm)
SCALE: 1:2500
DATE: JAN. 20, 2002
NTS: 93L/9E
DRAWN BY: J.M. HUTTER
UTM GRID: ZONE 9 NAD27
FIG. 23


LEGEND
SOIL SAMPLE (ppm)
CONTOUR LINE, METAL IN SOILS
ROAD
STREAM
SILT SAMPLE (ppm)
SWAMP
INFERRED FAULT
0 25 50 75 100
SCALE (metres)
J.M. HUTTER
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.
Zn IN SOILS (ppm)
SCALE: 1:2500
DATE: JAN. 20, 2002
NTS: 93L/9E
DRAWN BY: J.M. HUTTER
UTM GRID: ZONE 9 NAD27
FIG. 24

PROSPECTING:

Two days were spent prospecting the area outside the grid on the Golden Eagle 6 and 7 claims (Fig. 25). There is little or no outcrop at lower elevations. Exposures at higher elevations were all minor variations of andesite tuff, with very little alteration except for occasional weak chloritization.

Two silt samples were taken from small un-named creeks, but produced nothing of interest.

CONCLUSIONS AND RECOMMENDATIONS:

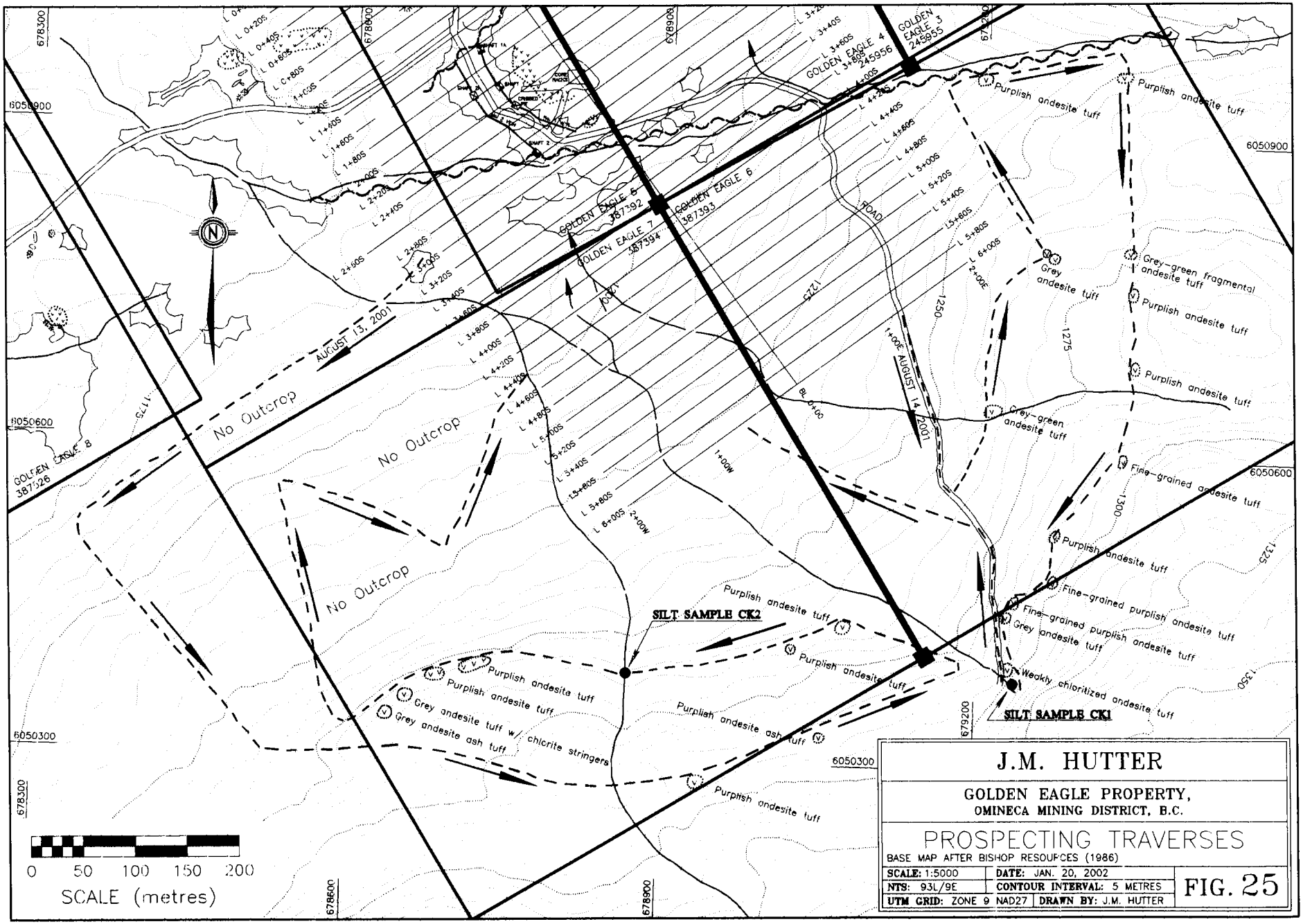
Small amounts of high-grade ore are known to exist in the No. 1 and No. 2 Veins. Further trenching is indicated, especially in the area of the No. 2 shaft.

More trenching, although difficult in this area, might also be useful to further examine the splay off the No. 2 vein in order to see if it will make ore at some point. It should be noted that in the general area of the veins there are two VLF-EM conductors (11 and 12) that are not adequately explained.

In new areas, priority should be given to trenching conductors 17 and 8. There may be excessive overburden in these areas, but a serious attempt should be made to reach bedrock. Other conductors should eventually be trenched as time and budgets permit.

The EM grid should be extended by a few lines to the north and south, in order to better define conductors 2, 3, 22, 23 and 24.

Shaft 2A, which has been backfilled, is reported to be 15 metres deep, but no plans of the workings are known to exist. The Minister of Mines Reports indicate good values in this area. In spite of the disappointing results from surface trenching in this area, the shaft should eventually be re-excavated and examined.


J.M. HUTTER
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.
PROSPECTING TRAVERSES
BASE MAP AFTER BISHOP RESOURCES (1986)
SCALE: 1:5000
DATE: JAN. 20, 2002
NTS: 93L/9E
CONTOUR INTERVAL: 5 METRES
UTM GRID: ZONE 9 NAD27
DRAWN BY: J.M. HUTTER
FIG. 25
SILT SAMPLE CK1
SILT SAMPLE CK2
No Outcrop
Purplish andesite tuff
Grey andesite tuff
Grey-green fragmental andesite tuff
Grey-green andesite tuff
Fine-grained andesite tuff
Fine-grained purplish andesite tuff
Weakly chloritized andesite tuff
Grey andesite tuff w/ chlorite stringers
Grey andesite ash tuff
Purplish andesite ash tuff
GOLDEN EAGLE 3 245955
GOLDEN EAGLE 4 245956
GOLDEN EAGLE 5 387392
GOLDEN EAGLE 6 387393
GOLDEN EAGLE 7 387394
GOLDEN EAGLE 8 387526
AUGUST 13, 2001
AUGUST 14, 2001
ROAD
0 50 100 150 200
SCALE (metres)

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Schiarizza, P., and MacIntyre, D.G. (1999): Geology of the Babine Lake - Takla Lake Area, Central British Columbia (93K/11, 12, 13, 14; 93N/3, 4, 5, 6); *in* Geological Fieldwork 1998, *B.C. Ministry of Mines*, Paper 1999-1, pages 33-68.

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Tipper, H.W., and Richards, T.A.(1976): Jurassic Stratigraphy and History of North-Central British Columbia; *Geological Survey of Canada*; Bulletin 270.

Certification

I, James M. Hutter, hereby certify that:

1. I am a practicing Professional Geologist with offices at 4407 Alfred Avenue, Smithers, B.C.

2. I am a graduate of the University of British Columbia, B.Sc. (1976).

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

4. I have practiced mining exploration in various capacities since graduation, mostly in British Columbia.

5. The observations and opinions expressed herein are based on my personal examination of the Golden Eagle property from June 21 to August 16, 2001 and on a review of available maps and reports.

Dated at Smithers, B.C., January 20, 2001.

James M. Hutter, P. Geo.

APPENDIX A:
ASSAY CERTIFICATES

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: HUTTER, J.M.

BOX 3048
SMITHERS, BC
V0J 2N0

A0127702

Comments: ATTN: JIM HUTTER

CERTIFICATE A0127702

(PAD) - HUTTER, J.M.

Project: GOLDEN EAGLE
P.O. #:

Samples submitted to our lab in Vancouver, BC.
This report was printed on 05-NOV-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
SCR-42	59	-180 micron screen - Save Minus
SCR-01	59	Screen - Save Plus Charge
LOG-22	59	Samples received without barcode
229	59	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
WEI-21	59	Weight of received sample	BALANCE	0.01	1000.0
Ag-ICP41	59	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
Al-ICP41	59	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
As-ICP41	59	As ppm: 32 element, soil & rock	ICP-AES	2	10000
B-ICP41	59	B ppm: 32 element, rock & soil	ICP-AES	10	10000
Ba-ICP41	59	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
Be-ICP41	59	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
Bi-ICP41	59	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
Ca-ICP41	59	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
Cd-ICP41	59	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
Co-ICP41	59	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
Cr-ICP41	59	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
Cu-ICP41	59	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
Fe-ICP41	59	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
Ga-ICP41	59	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
Hg-ICP41	59	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
K-ICP41	59	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
La-ICP41	59	La ppm: 32 element, soil & rock	ICP-AES	10	10000
Mg-ICP41	59	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
Mn-ICP41	59	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
Mo-ICP41	59	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
Na-ICP41	59	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
Ni-ICP41	59	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
P-ICP41	59	P ppm: 32 element, soil & rock	ICP-AES	10	10000
Pb-ICP41	59	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
S-ICP41	59	S %: 32 element, rock & soil	ICP-AES	0.01	10.00
Sb-ICP41	59	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
Sc-ICP41	59	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
Sr-ICP41	59	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
Ti-ICP41	59	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
Tl-ICP41	59	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
U-ICP41	59	U ppm: 32 element, soil & rock	ICP-AES	10	10000
V-ICP41	59	V ppm: 32 element, soil & rock	ICP-AES	1	10000
W-ICP41	59	W ppm: 32 element, soil & rock	ICP-AES	10	10000
Zn-ICP41	59	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: HUTTER, J.M.

BOX 3048
SMITHERS, BC
V0J 2N0

Project : GOLDEN EAGLE
Comments: ATTN: JIM HUTTER

Certificate Date: 05-NOV-2001
Invoice No. :I0127702
P.O. Number :
Account :PAD

CERTIFICATE OF ANALYSIS A0127702

SAMPLE	PREP CODE	Weight Kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
L2+80S 1+40E	94069407	0.38	0.2	1.80	8	< 10	190	< 0.5	< 2	0.29	< 0.5	7	26	15	3.02	< 10	< 1	0.05	< 10	0.44
L2+80S 1+50E	94069407	0.34	< 0.2	1.91	10	< 10	410	0.5	2	0.60	< 0.5	11	30	32	3.24	< 10	< 1	0.08	10	0.56
L2+80S 1+60E	94069407	0.22	< 0.2	1.29	6	< 10	260	< 0.5	4	0.48	< 0.5	10	28	25	2.81	< 10	< 1	0.05	< 10	0.46
L2+80S 1+80E	94069407	0.38	< 0.2	2.32	8	< 10	470	0.5	6	0.55	< 0.5	11	30	27	2.67	10	< 1	0.05	10	0.57
L3+20S 1+40E	94069407	0.54	< 0.2	1.31	14	< 10	230	< 0.5	6	0.36	< 0.5	12	28	23	3.11	< 10	< 1	0.05	< 10	0.51
L3+20S 1+60E	94069407	0.30	< 0.2	1.09	8	< 10	220	< 0.5	< 2	0.29	< 0.5	5	19	9	2.00	< 10	2	0.03	< 10	0.31
L3+20S 1+80E	94069407	0.42	< 0.2	2.46	6	< 10	630	0.5	< 2	0.62	< 0.5	8	29	50	2.93	< 10	< 1	0.06	10	0.54
L3+40S 1+45W	94069407	0.24	< 0.2	2.67	8	< 10	160	< 0.5	< 2	0.14	< 0.5	7	32	15	4.42	10	1	0.05	< 10	0.34
L3+60S 1+45W	94069407	0.36	0.2	3.70	6	< 10	200	0.5	< 2	0.17	< 0.5	9	35	14	4.54	10	< 1	0.04	< 10	0.37
L3+60S 1+25W	94069407	0.36	< 0.2	4.15	14	< 10	380	0.5	< 2	0.21	< 0.5	7	40	13	5.06	10	< 1	0.05	< 10	0.36
L3+60S 1+40E	94069407	0.38	0.2	1.94	8	< 10	220	< 0.5	< 2	0.15	< 0.5	6	28	11	3.43	< 10	< 1	0.05	< 10	0.36
L3+60S 1+70E	94069407	0.30	< 0.2	2.49	6	< 10	190	< 0.5	< 2	0.17	< 0.5	7	27	12	3.16	< 10	< 1	0.04	< 10	0.34
L3+60S 1+80E	94069407	0.22	0.4	2.55	8	< 10	200	< 0.5	< 2	0.13	< 0.5	9	28	14	3.20	< 10	< 1	0.04	< 10	0.41
L3+80S 1+45W	94069407	0.32	< 0.2	3.73	6	< 10	610	0.5	< 2	0.52	< 0.5	14	39	22	3.93	10	< 1	0.06	< 10	0.69
L3+80S 1+25W	94069407	0.30	0.2	2.59	18	< 10	230	0.5	< 2	0.42	< 0.5	8	36	12	5.63	10	1	0.08	< 10	0.50
L4+00S 0+50W	94069407	0.30	< 0.2	1.95	6	< 10	460	< 0.5	4	0.51	< 0.5	11	36	30	3.43	< 10	3	0.06	< 10	0.61
L4+00S 0+00	94069407	0.34	< 0.2	1.90	10	< 10	170	< 0.5	< 2	0.17	< 0.5	7	27	15	3.46	10	3	0.04	< 10	0.40
L4+00S 0+50E	94069407	0.10	< 0.2	2.60	6	< 10	520	1.0	< 2	0.86	< 0.5	14	37	41	3.38	10	< 1	0.07	20	0.63
L4+00S 1+00E	94069407	0.44	0.2	1.40	8	< 10	230	< 0.5	< 2	0.39	< 0.5	9	27	21	2.75	< 10	< 1	0.04	< 10	0.50
L4+00S 2+00E	94069407	0.28	< 0.2	1.61	8	< 10	230	< 0.5	< 2	0.29	< 0.5	7	28	14	2.92	< 10	< 1	0.05	< 10	0.49
L4+40S 2+00W	94069407	0.26	< 0.2	2.19	10	< 10	490	< 0.5	2	0.19	< 0.5	9	33	17	3.86	< 10	3	0.05	< 10	0.49
L4+40S 0+00	94069407	0.36	< 0.2	3.02	10	< 10	870	1.0	< 2	0.78	< 0.5	15	41	80	4.22	10	1	0.09	20	0.85
L4+40S 0+40E	94069407	0.48	< 0.2	1.67	10	< 10	290	< 0.5	2	0.24	< 0.5	8	26	13	3.28	< 10	< 1	0.06	< 10	0.35
L4+40S 1+00E	94069407	0.42	0.2	1.35	8	< 10	210	< 0.5	< 2	0.35	< 0.5	9	25	15	2.70	< 10	< 1	0.04	< 10	0.48
L4+40S 2+00E	94069407	0.40	< 0.2	1.42	6	< 10	210	< 0.5	6	0.30	< 0.5	8	25	21	2.61	< 10	< 1	0.04	< 10	0.46
L4+80S 2+00W	94069407	0.40	< 0.2	2.33	14	< 10	350	0.5	< 2	0.34	< 0.5	11	35	21	4.12	10	< 1	0.06	< 10	0.56
L4+80S 1+70W	94069407	0.36	< 0.2	2.11	12	< 10	340	0.5	< 2	0.31	0.5	11	33	23	3.81	< 10	< 1	0.06	< 10	0.60
L4+80S 0+50W	94069407	0.30	0.8	1.94	16	< 10	330	< 0.5	< 2	0.58	< 0.5	9	28	15	3.76	< 10	< 1	0.04	< 10	0.43
L4+80S 0+00	94069407	0.42	1.0	2.15	16	< 10	260	0.5	< 2	0.29	< 0.5	9	29	13	3.98	< 10	< 1	0.06	< 10	0.45
L4+80S 0+50E	94069407	0.32	0.2	1.72	2	< 10	170	< 0.5	< 2	0.16	< 0.5	7	24	13	2.58	< 10	< 1	0.04	< 10	0.42
L4+80S 1+00E	94069407	0.36	0.2	1.44	8	< 10	210	< 0.5	< 2	0.39	< 0.5	9	27	16	2.92	< 10	1	0.05	< 10	0.53
L4+80S 1+50E	94069407	0.12	< 0.2	3.12	10	< 10	950	1.5	< 2	1.08	< 0.5	13	38	130	3.44	< 10	< 1	0.08	30	0.69
L4+80S 2+00E	94069407	0.42	< 0.2	1.45	8	< 10	250	< 0.5	< 2	0.30	< 0.5	8	24	40	2.49	< 10	< 1	0.04	< 10	0.44
L5+20S 2+00W	94069407	0.40	0.4	2.22	12	< 10	320	0.5	8	0.33	< 0.5	10	30	23	3.17	< 10	< 1	0.04	< 10	0.60
L5+20S 1+50W	94069407	0.30	1.2	1.50	10	< 10	250	< 0.5	6	0.30	< 0.5	10	29	12	3.12	< 10	1	0.05	< 10	0.53
L5+20S 1+00W	94069407	0.36	0.6	2.45	8	< 10	330	< 0.5	6	0.21	< 0.5	10	30	14	4.00	< 10	< 1	0.06	< 10	0.47
L5+20S 0+50W	94069407	0.48	< 0.2	2.07	8	< 10	190	< 0.5	2	0.12	< 0.5	5	27	13	3.66	10	< 1	0.03	< 10	0.30
L5+20S 0+00	94069407	0.34	0.2	2.24	12	< 10	220	< 0.5	2	0.24	< 0.5	7	33	14	3.51	< 10	1	0.05	< 10	0.41
L5+20S 0+50E	94069407	0.48	0.4	1.67	4	< 10	160	< 0.5	< 2	0.22	< 0.5	6	28	14	2.75	< 10	< 1	0.05	< 10	0.50
L5+20S 1+00E	94069407	0.40	0.2	1.80	8	< 10	260	< 0.5	< 2	0.36	< 0.5	10	31	24	3.14	< 10	< 1	0.06	10	0.58

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: HUTTER, J.M.

BOX 3048
SMITHERS, BC
V0J 2N0

Project : GOLDEN EAGLE
Comments: ATTN: JIM HUTTER

Certificate Date: 05-NOV-2001
Invoice No. : I0127702
P.O. Number :
Account : PAD

CERTIFICATE OF ANALYSIS A0127702

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L2+80S 1+40E	94069407	305	1	0.02	16	600	16	0.01	8	4	28	0.05	< 10	< 10	66	< 10	82
L2+80S 1+50E	94069407	1170	2	0.03	21	720	18	0.01	8	5	59	0.04	10	< 10	72	< 10	94
L2+80S 1+60E	94069407	805	1	0.02	18	790	12	0.01	8	5	43	0.06	< 10	< 10	59	< 10	68
L2+80S 1+80E	94069407	1810	3	0.03	25	490	6	0.02	12	6	73	0.03	< 10	< 10	55	< 10	86
L3+20S 1+40E	94069407	975	1	0.02	19	720	12	< 0.01	16	5	33	0.07	< 10	< 10	69	< 10	68
L3+20S 1+60E	94069407	230	< 1	0.02	10	340	8	< 0.01	2	2	30	0.05	< 10	< 10	51	< 10	54
L3+20S 1+80E	94069407	510	1	0.02	23	690	16	0.01	10	5	63	0.02	< 10	< 10	54	< 10	106
L3+40S 1+45W	94069407	265	2	0.02	14	1410	2	0.01	16	4	19	0.08	< 10	< 10	90	< 10	112
L3+60S 1+45W	94069407	345	2	0.02	17	2310	6	0.03	10	4	19	0.07	10	< 10	85	< 10	110
L3+60S 1+25W	94069407	240	4	0.02	14	870	4	0.03	18	5	27	0.10	< 10	< 10	107	< 10	112
L3+60S 1+40E	94069407	260	1	0.02	16	1030	8	< 0.01	8	4	20	0.07	< 10	< 10	75	< 10	86
L3+60S 1+70E	94069407	240	1	0.02	16	1150	6	0.01	8	3	18	0.05	10	< 10	58	< 10	76
L3+60S 1+80E	94069407	265	3	0.02	19	990	4	0.01	10	4	15	0.05	10	< 10	61	< 10	84
L3+80S 1+45W	94069407	365	2	0.03	32	620	10	0.01	10	7	55	0.04	10	< 10	85	< 10	134
L3+80S 1+25W	94069407	370	2	0.02	17	2410	8	0.01	14	4	33	0.07	10	20	102	< 10	130
L4+00S 0+50W	94069407	605	1	0.02	23	600	10	0.01	12	5	46	0.05	10	< 10	72	< 10	100
L4+00S 0+00	94069407	290	1	0.02	17	1050	2	0.01	16	3	18	0.05	< 10	< 10	66	< 10	86
L4+00S 0+50E	94069407	1500	3	0.02	28	750	10	0.03	14	5	100	0.02	10	< 10	69	< 10	110
L4+00S 1+00E	94069407	585	1	0.03	18	680	8	< 0.01	10	4	39	0.06	< 10	< 10	60	< 10	62
L4+00S 2+00E	94069407	545	1	0.02	18	570	10	< 0.01	< 2	3	36	0.06	10	< 10	66	< 10	76
L4+40S 2+00W	94069407	350	1	0.02	19	1030	8	0.01	8	5	34	0.07	10	< 10	81	< 10	90
L4+40S 0+00	94069407	1390	1	0.03	30	890	20	0.03	16	11	90	0.04	10	< 10	78	< 10	98
L4+40S 0+40E	94069407	295	1	0.02	13	1330	14	0.01	6	3	24	0.07	10	< 10	73	< 10	90
L4+40S 1+00E	94069407	760	< 1	0.03	19	720	10	< 0.01	12	4	39	0.08	10	< 10	60	< 10	56
L4+40S 2+00E	94069407	505	1	0.02	17	680	10	< 0.01	8	4	31	0.07	< 10	< 10	59	< 10	62
L4+80S 2+00W	94069407	460	1	0.02	23	800	8	0.01	6	4	40	0.05	20	< 10	82	< 10	174
L4+80S 1+70W	94069407	540	2	0.02	23	780	8	0.01	12	6	40	0.06	10	< 10	89	< 10	126
L4+80S 0+50W	94069407	370	3	0.02	16	1780	8	0.02	10	4	43	0.06	30	10	73	< 10	108
L4+80S 0+00	94069407	325	1	0.02	17	2100	10	0.01	6	4	28	0.06	30	< 10	74	< 10	126
L4+80S 0+50E	94069407	275	1	0.02	15	440	4	0.01	10	3	23	0.05	30	< 10	57	< 10	72
L4+80S 1+00E	94069407	550	1	0.03	20	1010	10	< 0.01	2	6	39	0.07	30	< 10	60	< 10	62
L4+80S 1+50E	94069407	1095	< 1	0.02	33	1200	54	0.05	12	8	101	0.01	30	< 10	61	< 10	104
L4+80S 2+00E	94069407	445	< 1	0.02	15	760	12	0.01	2	3	32	0.05	20	< 10	55	< 10	60
L5+20S 2+00W	94069407	495	3	0.02	24	990	8	< 0.01	12	6	41	0.06	20	< 10	70	< 10	70
L5+20S 1+50W	94069407	560	1	0.02	20	910	4	0.01	10	4	37	0.08	10	10	68	< 10	88
L5+20S 1+00W	94069407	480	3	0.02	19	830	2	0.03	18	4	22	0.05	< 10	< 10	74	< 10	106
L5+20S 0+50W	94069407	225	2	0.02	12	760	6	0.01	12	3	15	0.05	< 10	< 10	74	< 10	68
L5+20S 0+00	94069407	300	3	0.02	21	2890	6	0.01	12	4	23	0.05	< 10	< 10	65	< 10	84
L5+20S 0+50E	94069407	415	4	0.02	17	690	6	< 0.01	8	4	26	0.06	< 10	< 10	61	< 10	66
L5+20S 1+00E	94069407	1090	< 1	0.03	22	680	10	< 0.01	14	5	41	0.05	< 10	< 10	64	< 10	66

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CERTIFICATE OF ANALYSIS A0127702

SAMPLE	PREP CODE	Weight Kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
L5+20S 1+50E	94069407	0.52	< 0.2	2.36	6	< 10	190	< 0.5	< 2	0.15	< 0.5	9	31	17	3.43	< 10	< 1	0.05	10	0.44
L5+20S 2+00E	94069407	0.46	< 0.2	1.48	12	< 10	260	< 0.5	2	0.29	< 0.5	8	26	129	2.68	< 10	< 1	0.04	< 10	0.46
L5+60S 2+00W	94069407	0.38	0.2	2.30	8	< 10	230	< 0.5	< 2	0.13	< 0.5	7	29	13	3.63	10	< 1	0.05	< 10	0.37
L5+60S 1+50W	94069407	0.34	< 0.2	1.32	2	< 10	250	< 0.5	< 2	0.25	< 0.5	4	27	13	2.96	10	1	0.04	< 10	0.41
L5+60S 1+00W	94069407	0.38	< 0.2	2.24	6	< 10	240	< 0.5	< 2	0.15	< 0.5	7	28	16	3.23	10	< 1	0.04	< 10	0.41
L5+60S 0+50W	94069407	0.44	< 0.2	1.52	2	< 10	440	< 0.5	< 2	0.46	< 0.5	5	28	26	2.64	10	< 1	0.04	< 10	0.45
L5+60S 0+50E	94069407	0.44	< 0.2	1.87	10	< 10	180	< 0.5	< 2	0.25	< 0.5	7	27	19	2.89	10	< 1	0.05	< 10	0.52
L5+60S 1+00E	94069407	0.44	< 0.2	2.42	12	< 10	300	< 0.5	4	0.31	< 0.5	9	33	22	3.67	10	2	0.06	< 10	0.61
L5+60S 1+50E	94069407	0.48	< 0.2	2.28	12	< 10	210	< 0.5	< 2	0.16	< 0.5	5	26	16	3.25	< 10	1	0.05	< 10	0.37
L5+60S 2+00E	94069407	0.42	< 0.2	2.01	4	< 10	130	< 0.5	< 2	0.09	< 0.5	4	27	16	2.84	10	< 1	0.04	< 10	0.32
L6+00S 2+00W	94069407	0.34	< 0.2	2.38	< 2	< 10	290	< 0.5	< 2	0.22	0.5	7	27	18	2.86	10	< 1	0.04	< 10	0.49
L6+00S 1+50W	94069407	0.40	< 0.2	2.35	4	< 10	350	< 0.5	10	0.34	< 0.5	9	28	22	3.13	10	< 1	0.04	10	0.43
L6+00S 1+00W	94069407	0.34	< 0.2	2.36	8	< 10	190	< 0.5	< 2	0.20	< 0.5	7	28	13	3.55	10	< 1	0.04	< 10	0.36
L6+00S 0+50W	94069407	0.38	< 0.2	1.77	6	< 10	200	< 0.5	6	0.15	< 0.5	7	26	13	3.37	< 10	< 1	0.04	< 10	0.39
L6+00S 0+00	94069407	0.44	0.6	2.50	10	< 10	270	< 0.5	10	0.20	< 0.5	8	24	15	3.19	< 10	< 1	0.04	< 10	0.40
L6+00S 0+50E	94069407	0.36	< 0.2	1.92	< 2	< 10	270	< 0.5	2	0.37	< 0.5	9	26	19	2.85	< 10	< 1	0.05	< 10	0.56
L6+00S 1+00E	94069407	0.44	< 0.2	1.79	10	< 10	220	< 0.5	< 2	0.25	< 0.5	7	25	14	2.87	< 10	< 1	0.05	< 10	0.51
L6+00S 1+50E	94069407	0.40	< 0.2	1.94	8	< 10	140	< 0.5	< 2	0.17	< 0.5	7	23	15	3.08	10	< 1	0.05	< 10	0.46
L6+00S 2+00E	94069407	0.48	0.6	2.16	6	< 10	200	< 0.5	< 2	0.12	< 0.5	10	26	18	3.07	< 10	< 1	0.04	< 10	0.43

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: HUTTER, J.M.

BOX 3048
SMITHERS, BC
V0J 2N0

Project : GOLDEN EAGLE
Comments: ATTN: JIM HUTTER

Certificate Date: 05-NOV-2001
Invoice No. : I0127702
P.O. Number :
Account : PAD

CERTIFICATE OF ANALYSIS A0127702

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L5+20S 1+50E	94069407	290	1	0.02	19	600	6	< 0.01	14	6	24	0.05	< 10	< 10	72	< 10	88
L5+20S 2+00E	94069407	540	2	0.02	17	620	36	< 0.01	18	5	32	0.06	< 10	< 10	61	< 10	52
L5+60S 2+00W	94069407	280	3	0.03	14	1130	2	0.01	18	4	16	0.06	< 10	< 10	75	< 10	98
L5+60S 1+50W	94069407	285	3	0.02	13	450	4	< 0.01	18	3	28	0.07	< 10	< 10	73	< 10	78
L5+60S 1+00W	94069407	290	3	0.02	16	960	6	< 0.01	22	4	17	0.05	< 10	< 10	69	< 10	84
L5+60S 0+50W	94069407	325	4	0.03	16	400	6	0.01	12	4	38	0.05	< 10	< 10	59	< 10	66
L5+60S 0+50E	94069407	490	2	0.03	18	660	4	< 0.01	14	4	28	0.05	< 10	< 10	63	< 10	70
L5+60S 1+00E	94069407	520	4	0.02	24	950	4	< 0.01	14	6	37	0.05	< 10	< 10	76	< 10	94
L5+60S 1+50E	94069407	235	3	0.02	16	540	4	0.01	16	4	24	0.05	< 10	< 10	63	< 10	58
L5+60S 2+00E	94069407	230	< 1	0.02	12	950	8	< 0.01	20	4	15	0.05	< 10	< 10	64	< 10	60
L6+00S 2+00W	94069407	285	< 1	0.03	19	630	6	0.01	18	4	30	0.05	< 10	< 10	60	< 10	82
L6+00S 1+50W	94069407	350	4	0.02	19	580	4	0.02	22	4	44	0.05	< 10	< 10	63	< 10	72
L6+00S 1+00W	94069407	430	1	0.02	14	1290	8	0.01	12	3	23	0.05	< 10	< 10	72	< 10	82
L6+00S 0+50W	94069407	315	< 1	0.01	15	660	6	< 0.01	6	3	11	0.05	10	< 10	72	< 10	76
L6+00S 0+00	94069407	240	< 1	0.02	16	790	6	0.02	< 2	4	23	0.04	10	< 10	59	< 10	70
L6+00S 0+50E	94069407	505	< 1	0.02	20	630	10	0.01	< 2	3	44	0.04	< 10	< 10	59	< 10	80
L6+00S 1+00E	94069407	355	< 1	0.02	18	660	8	0.01	< 2	3	31	0.06	< 10	< 10	62	< 10	82
L6+00S 1+50E	94069407	285	1	0.02	16	900	10	< 0.01	10	4	11	0.04	< 10	< 10	57	< 10	74
L6+00S 2+00E	94069407	290	3	0.01	22	560	8	< 0.01	4	4	16	0.06	10	< 10	61	< 10	56

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To: HUTTER, J.M.

BOX 3048
SMITHERS, BC
V0J 2N0

A0128324

Comments: ATTN: JIM HUTTER

CERTIFICATE A0128324

(PAD) - HUTTER, J.M.

Project: GOLDEN EAGLE
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 14-NOV-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
SCR-42	7	-180 micron screen - Save Minus
SCR-01	7	Screen - Save Plus Charge
LOG-22	7	Samples received without barcode
229	7	ICP - AQ Digestion charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
WEI-21	7	Weight of received sample	BALANCE	0.01	1000.0
Ag-ICP41	7	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
Al-ICP41	7	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
As-ICP41	7	As ppm: 32 element, soil & rock	ICP-AES	2	10000
B-ICP41	7	B ppm: 32 element, rock & soil	ICP-AES	10	10000
Ba-ICP41	7	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
Be-ICP41	7	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
Bi-ICP41	7	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
Ca-ICP41	7	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
Cd-ICP41	7	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
Co-ICP41	7	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
Cr-ICP41	7	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
Cu-ICP41	7	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
Fe-ICP41	7	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
Ga-ICP41	7	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
Hg-ICP41	7	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
K-ICP41	7	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
La-ICP41	7	La ppm: 32 element, soil & rock	ICP-AES	10	10000
Mg-ICP41	7	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
Mn-ICP41	7	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
Mo-ICP41	7	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
Na-ICP41	7	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
Ni-ICP41	7	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
P-ICP41	7	P ppm: 32 element, soil & rock	ICP-AES	10	10000
Pb-ICP41	7	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
S-ICP41	7	S %: 32 element, rock & soil	ICP-AES	0.01	10.00
Sb-ICP41	7	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
Sc-ICP41	7	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
Sr-ICP41	7	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
Ti-ICP41	7	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
Tl-ICP41	7	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
U-ICP41	7	U ppm: 32 element, soil & rock	ICP-AES	10	10000
V-ICP41	7	V ppm: 32 element, soil & rock	ICP-AES	1	10000
W-ICP41	7	W ppm: 32 element, soil & rock	ICP-AES	10	10000
Zn-ICP41	7	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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To: HUTTER, J.M.

BOX 3048
SMITHERS, BC
V0J 2N0

Project : GOLDEN EAGLE
Comments: ATTN: JIM HUTTER

Page Number : 1-A
Total Pages : 1
Certificate Date: 14-NOV-2001
Invoice No. : I0128324
P.O. Number :
Account : PAD

CERTIFICATE OF ANALYSIS A0128324

SAMPLE	PREP CODE	Weight Kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
CK1	9406 9407	0.18	< 0.2	1.96	8	< 10	990	0.5	2	1.75	< 0.5	11	24	135	2.60	< 10	2	0.06	30	0.56
CK2	9406 9407	0.12	0.8	2.38	6	< 10	960	0.5	< 2	1.37	0.5	10	23	70	2.85	< 10	3	0.07	20	0.67
L4+20S 1+05W	9406 9407	0.16	< 0.2	2.70	18	< 10	510	1.0	< 2	1.05	0.5	18	36	54	5.24	< 10	1	0.08	30	0.91
L4+20S 1+34W	9406 9407	0.06	0.2	2.48	8	< 10	780	0.5	2	1.63	0.5	10	26	62	2.82	< 10	3	0.07	30	0.56
L4+80S 1+42W	9406 9407	0.06	< 0.2	2.04	6	< 10	940	0.5	2	1.67	< 0.5	10	23	86	2.59	< 10	1	0.06	20	0.52
L5+80S 0+23W	9406 9407	0.06	0.2	2.42	8	< 10	830	0.5	2	1.51	0.5	10	26	48	2.89	< 10	2	0.07	10	0.59
L5+80S 1+45W	9406 9407	0.10	< 0.2	1.87	6	< 10	780	0.5	< 2	1.22	0.5	10	22	68	2.72	< 10	< 1	0.06	10	0.54

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To: HUTTER, J.M.

BOX 3048
SMITHERS, BC
V0J 2N0

Project : GOLDEN EAGLE
Comments: ATTN: JIM HUTTER

Page Number :1-B
Total Pages :1
Certificate Date: 14-NOV-2001
Invoice No. : I0128324
P.O. Number :
Account :PAD

CERTIFICATE OF ANALYSIS A0128324

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
CK1	94069407	1180	1	0.03	15	910	22	0.09	< 2	4	129	0.03	10	< 10	48	< 10	70
CK2	94069407	995	< 1	0.03	19	1050	16	0.08	< 2	6	130	0.01	< 10	< 10	48	< 10	92
L4+20S 1+05W	94069407	1775	< 1	0.03	27	1120	16	0.05	4	16	79	0.03	< 10	< 10	84	< 10	106
L4+20S 1+34W	94069407	1265	< 1	0.03	24	1080	10	0.08	< 2	7	131	0.01	< 10	< 10	50	< 10	86
L4+80S 1+42W	94069407	1145	1	0.03	20	1140	10	0.09	< 2	5	148	0.01	< 10	< 10	48	< 10	76
L5+80S 0+23W	94069407	1070	< 1	0.03	23	1050	10	0.06	< 2	6	105	0.01	< 10	< 10	52	< 10	80
L5+80S 1+45W	94069407	1175	< 1	0.03	18	1110	12	0.07	2	5	110	0.02	< 10	< 10	49	< 10	76

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To: HUTTER, J.M.

BOX 3048
SMITHERS, BC
V0J 2N0

A0128323

Comments: ATTN: JIM HUTTER

CERTIFICATE A0128323

(PAD) - HUTTER, J.M.

Project: GOLDEN EAGLE
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-NOV-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
PUL-31	11	Pulv. <250g to >85%/-75 micron
STO-21	11	Reject Storage-First 90 Days
LOG-22	11	Samples received without barcode
CRU-31	11	Crush to 70% minus 2mm
SPL-21	11	Splitting Charge

ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
WEI-21	11	Weight of received sample	BALANCE	0.01	1000.0
Au-AA25	11	Au oz/T: 1 assay ton	FA-AAS	0.0003	3.0000
Ag-GRA21	11	Ag oz/ton: fuse 30 gram - FA	FA-GRAVIMETRIC	0.1	100.0
Cu-AA46	11	Cu %: Conc. Nitric-HCl dig'n	AAS	0.01	50.0
Pb-AA46	11	Pb %: Conc. Nitric-HCl dig'n	AAS	0.01	50.0
Zn-AA46	11	Zn %: Conc. Nitric-HCl dig'n	AAS	0.01	50.0

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To: HUTTER, J.M.

BOX 3048
SMITHERS, BC
V0J 2N0

Project : GOLDEN EAGLE
Comments: ATTN: JIM HUTTER

Page Number :1
Total Pages :1
Certificate Date: 16-NOV-2001
Invoice No. : I0128323
P.O. Number :
Account : PAD

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A0128323

SAMPLE	PREP CODE	Weight Kg	Au oz/ton	Ag FA oz/ton	Cu %	Pb %	Zn %				
34007	9413 9402	2.90	<0.0003	0.2	< 0.01	< 0.01	0.02				
34008	9413 9402	0.78	0.0381	40.2	0.23	2.76	0.55				
34009	9413 9402	1.84	0.0066	1.0	< 0.01	0.14	0.12				
34010	9413 9402	1.62	0.0159	6.0	0.03	3.58	12.20				
34011	9413 9402	1.54	0.0030	0.1	< 0.01	0.15	0.24				
34012	9413 9402	1.62	0.0018	0.5	< 0.01	0.49	0.21				
34013	9413 9402	2.24	0.0042	< 0.1	< 0.01	0.06	0.08				
34014	9413 9402	2.32	0.0252	15.6	0.10	1.06	7.67				
34015	9413 9402	1.92	0.1284	>100.0	0.46	7.41	12.35				
34016	9413 9402	2.40	0.0837	47.1	0.21	0.28	0.29				
34017	9413 9402	4.56	0.1242	>100.0	1.26	>50.0	2.19				

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To: HUTTER, J.M.

BOX 3048
SMITHERS, BC
V0J 2N0

A0128858

Comments: ATTN: JIM HUTTER

CERTIFICATE A0128858

(PAD) - HUTTER, J.M.

Project: GOLDEN EAGLE
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 29-NOV-2001.

SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
212	2	Overlimit pulp, to be found

ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
388	2	Ag oz/T: Concentrate	FA-AAS/GRAV	0.01	200.00
Pb-VOL71	1	Pb %: Concentrate	TITRATION	0.01	100.00

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To: HUTTER, J.M.

BOX 3048
SMITHERS, BC
V0J 2N0

Project : GOLDEN EAGLE
Comments: ATTN: JIM HUTTER

Page Number :1
Total Pages :1
Certificate Date: 29-NOV-2001
Invoice No. : I0128858
P.O. Number :
Account : PAD

CERTIFICATE OF ANALYSIS A0128858

SAMPLE	PREP CODE		Ag con oz/ton	Pb % con
34015	212	--	138.26	-----
34017	212	--	339.54	65.94

REPORT ON THE

GOLDEN EAGLE PROPERTY

2001 EXPLORATION PROGRAM

Omineca Mining District, B.C.

PART 2:
APPENDIX B, C, D, E

By:

J.M. Hutter, P. Geo.

Box 3048
4407 Alfred Avenue
Smithers, B.C.
V0J 2N0

January 28, 2001

CONTENTS:

D. TECHNICAL REPORT

BRITISH COLUMBIA
Ministry of Energy and Min
Energy and Minerals Division

- One technical report to be completed for each project area.
- **Refer to Program Regulations 15 to 17, page 6.**

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Information on this form is confide
one year and is subject to the provi
the *Freedom of Information Act.*

Name JAMES M. HUTTER Reference Number 2001/2002 P60

LOCATION/COMMODITIES

Project Area (as listed in Part A) GOLDEN EAGLE MINFILE No. if applicable 093L 015

Location of Project Area NTS 6050950N, 678700E (NAD 27) Lat 54° 34' 33" Long 126° 14' 03"

Description of Location and Access 9 km NNE of Topley; Access by road from Topley: Go north on Granisle Hwy, turn right @ 5 km, follow gravel/dirt road for 5.5 km to property.

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)

DAVID HAYWARD - Advanced prospecting course @ Duncan, B.C. - exploration, airborne geophysics, ground geophysics - 1975 - to present.

Main Commodities Searched For Ag, Au, Pb

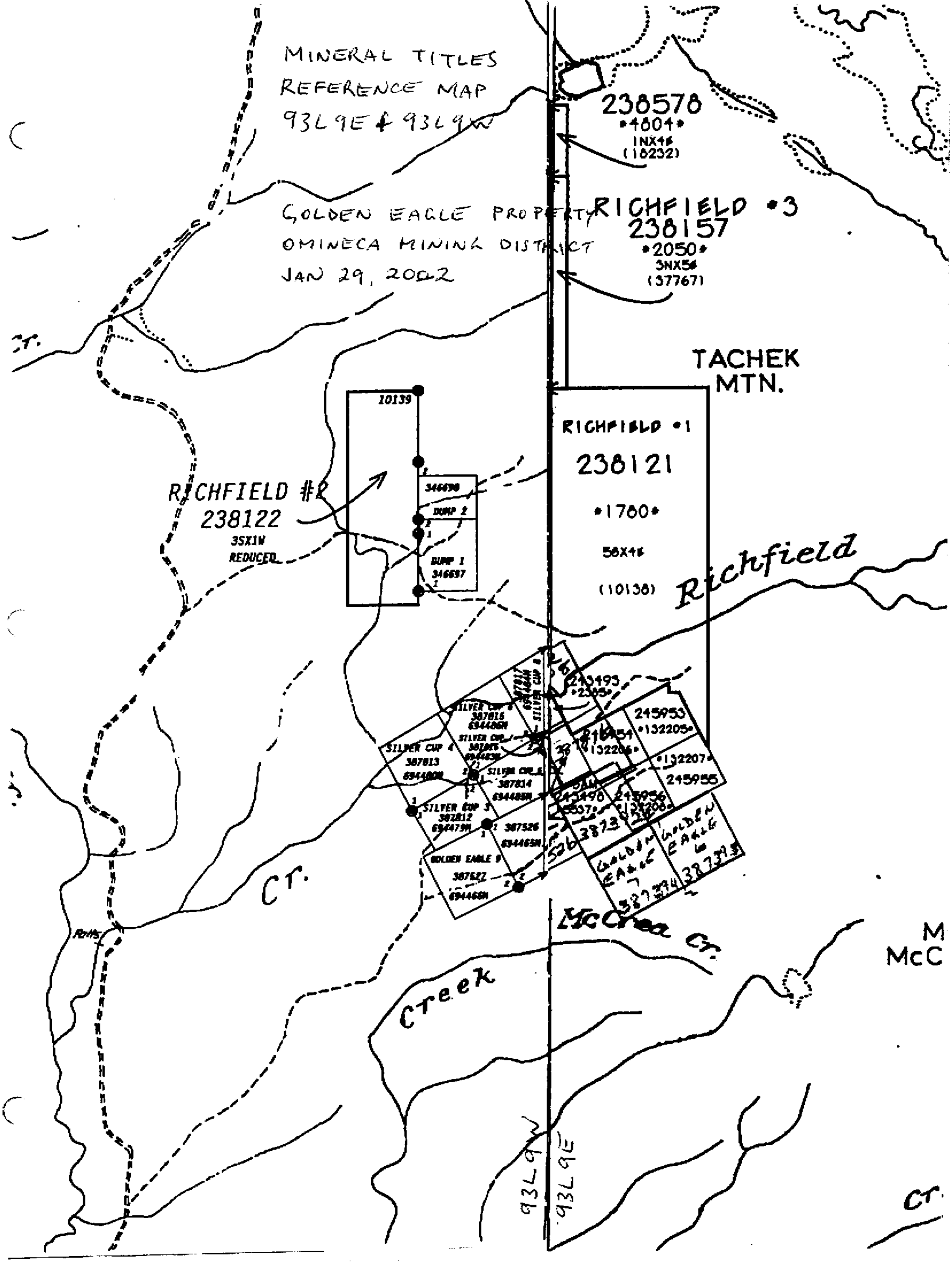
Known Mineral Occurrences in Project Area Joker (093L 013) Evergreen (093L 014), Silver Cup (093L 016) Three Star (093L 017) Topley Richfield (093L 018) Rainbow (093L 021), Silver King (093L 270), Maple Leaf (093 271) Oriole (093L 272), Tuya or Box (093L 273)

WORK PERFORMED

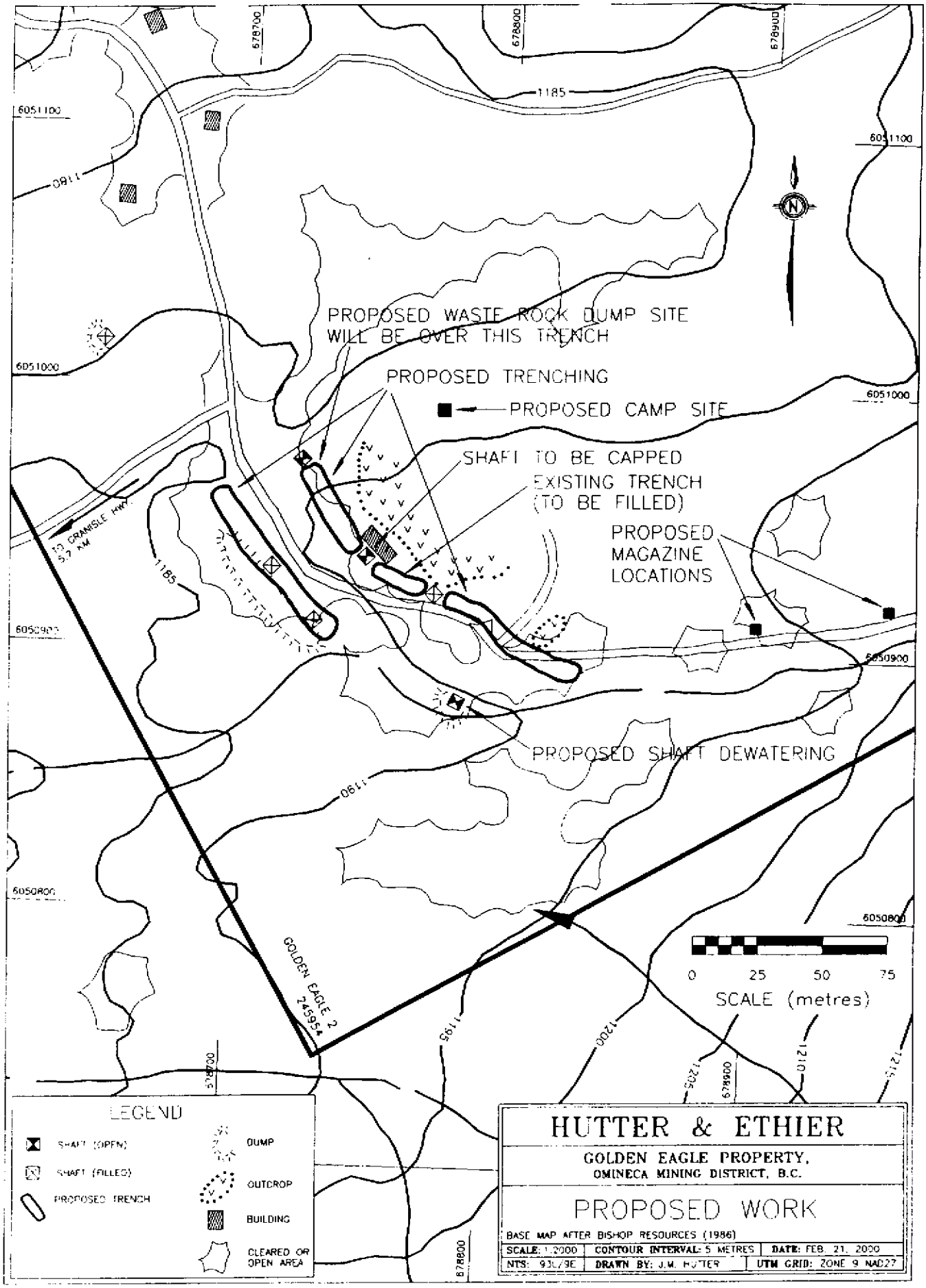
1. Conventional Prospecting (area) 40 hectares
2. Geological Mapping (hectares/scale)
3. Geochemical (type and no. of samples) 59 soil samples, 7 silt samples, 11 rock samples
4. Geophysical (type and line km) VLF-EM, 13 line km.
5. Physical Work (type and amount) 8 trenches totalling 153.5 metres, volume 428 m^3
6. Drilling (no. holes, size, depth in m, total m)
7. Other (specify) dewater shaft

FEEDBACK: comments and suggestions for Prospector Assistance Program

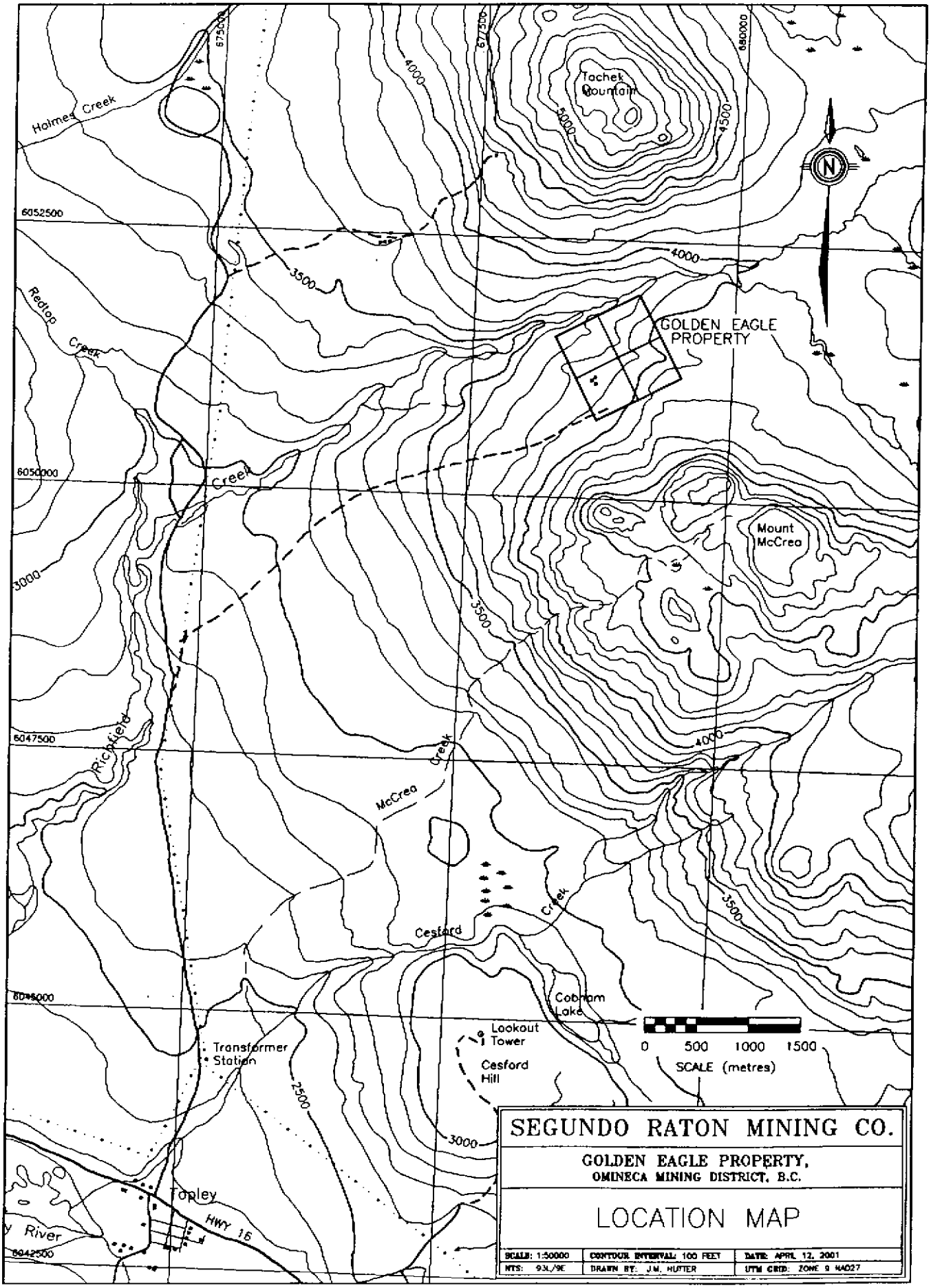
APPENDIX C:
MINERAL TITLES REFERENCE MAP


MINERAL TITLES
REFERENCE MAP
93L9E & 93L9W
GOLDEN EAGLE PROPERTY
OMINECA MINING DISTRICT
JAN 29, 2002
238578
4804
1NX4
(18232)
RICHFIELD *3
238157
2050
3NX5
(37767)
TACHEK
MTN.
RICHFIELD *1
238121
1760
5EX4
(10138)
10139
RICHFIELD #2
238122
3SX1W
REDUCED
346690
DUMP 2
DUMP 1
346687
Richfield
CR.
SILVER CUP 4
387813
SILVER CUP 3
387812
GOLDEN EAGLE 9
387522
245953
132205
245955
132207
McCrea Cr.
Creek
Falls
93L9W
93L9E
CR.
McC

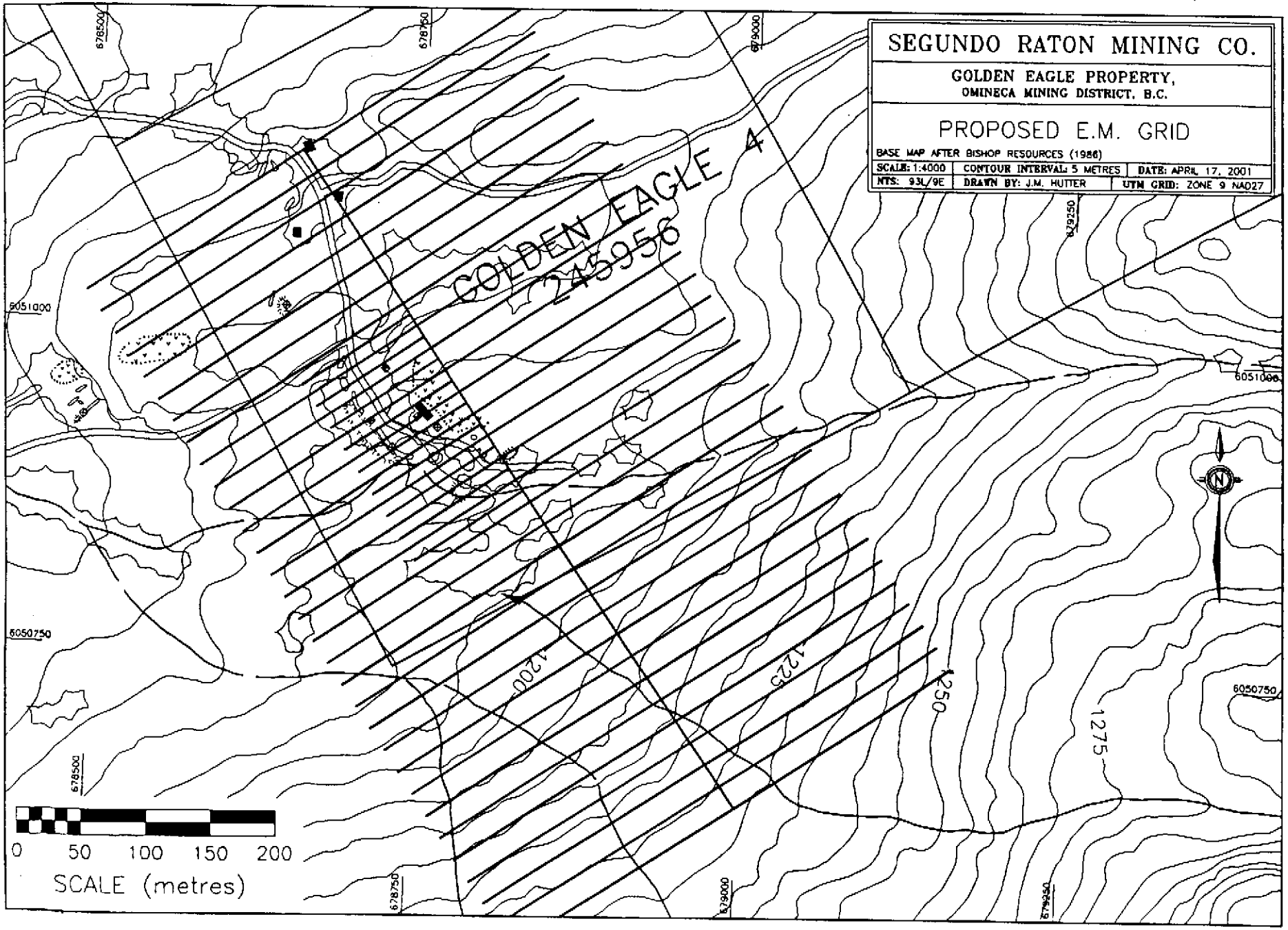
APPENDIX D:
NOTICES OF WORK


PROPOSED WASTE ROCK DUMP SITE
WILL BE OVER THIS TRENCH
PROPOSED TRENCHING
PROPOSED CAMP SITE
SHAFT TO BE CAPPED
EXISTING TRENCH
(TO BE FILLED)
PROPOSED
MAGAZINE
LOCATIONS
PROPOSED SHAFT DEWATERING
TO GRANISLE HWY
5.7 KM
GOLDEN EAGLE 2
24954
6051100
6051000
6050900
6050800
678700
678800
678900
1185
1190
1195
1200
1205
1210
1215
0 25 50 75
SCALE (metres)
LEGEND
SHAFT (OPEN)
SHAFT (FILLED)
PROPOSED TRENCH
DUMP
OUTCROP
BUILDING
CLEARED OR
OPEN AREA
HUTTER & ETHIER
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.
PROPOSED WORK
BASE MAP AFTER BISHOP RESOURCES (1986)
SCALE: 1:2000
CONTOUR INTERVAL: 5 METRES
DATE: FEB. 21, 2000
NTS: 93L/3E
DRAWN BY: J.M. HUTTER
UTM GRID: ZONE 9 NAD27

0200569


Holmes Creek
Redtop Creek
Creek
Richfield
Creek
McCrea
Creek
Cesford
Creek
Tachek Mountain
GOLDEN EAGLE PROPERTY
Mount McCrea
Cobham Lake
Lookout Tower
Cesford Hill
Transformer Station
Topley
HWY 16
River
6052500
6050000
6047500
6045000
6042500
675000
680000
4000
3500
3000
2500
4500
5000
N
0 500 1000 1500
SCALE (metres)
SEGUNDO RATON MINING CO.
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.
LOCATION MAP
SCALE: 1:50000
CONTOUR INTERVAL: 100 FEET
DATE: APRIL 12, 2001
NTS: 93L/9E
DRAWN BY: J.M. HUTTER
UTM GRID: ZONE 9 NAD27

0200569


SEGUNDO RATON MINING CO.
GOLDEN EAGLE PROPERTY,
OMINECA MINING DISTRICT, B.C.
PROPOSED E.M. GRID
BASE MAP AFTER BISHOP RESOURCES (1986)
SCALE: 1:4000
CONTOUR INTERVAL: 5 METRES
DATE: APRIL 17, 2001
NTS: 93L/9E
DRAWN BY: J.M. HUTTER
UTM GRID: ZONE 9 NAD27
GOLDEN EAGLE 4
245956
678500
678750
679000
679250
6051000
6050750
1200
1225
1250
1275
N
0 50 100 150 200
SCALE (metres)