THE 1985 DIAMOND DRILLING PROGRAMME

AZA PROPERTY, McGARRY TOWNSHIP, ONTARIO

McGARRY RESOURCES INC.

VOLUME I

REPORT

(To accompany Volume II sections and drill logs)

Submitted and Supervised by:

Exploration Managers
LEE GEO-INDICATORS LIMITED
94 Alexander Street, Box 68
Stittsville, Ontario, K0A 3G0
Telephone (613)836-1419
February, 1986

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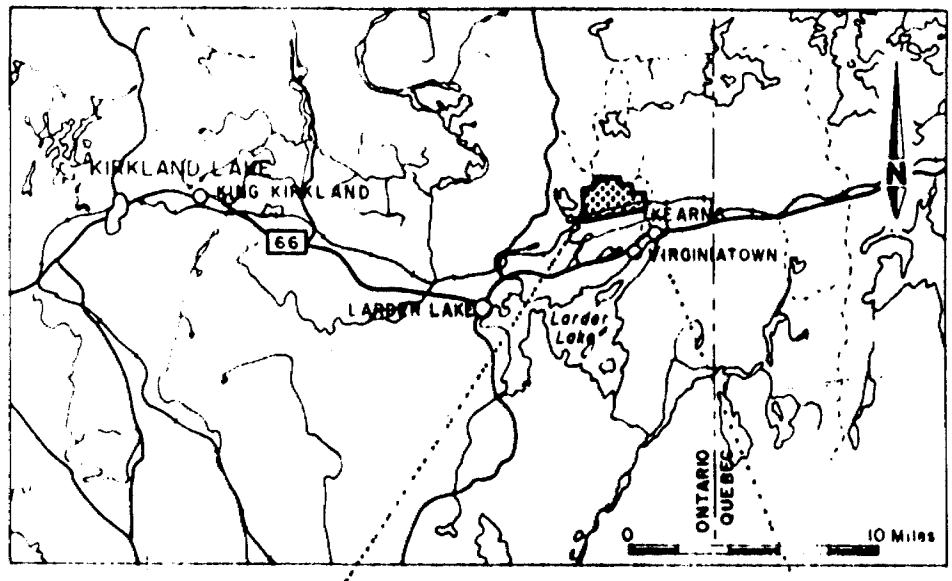

Figure 1. Key map

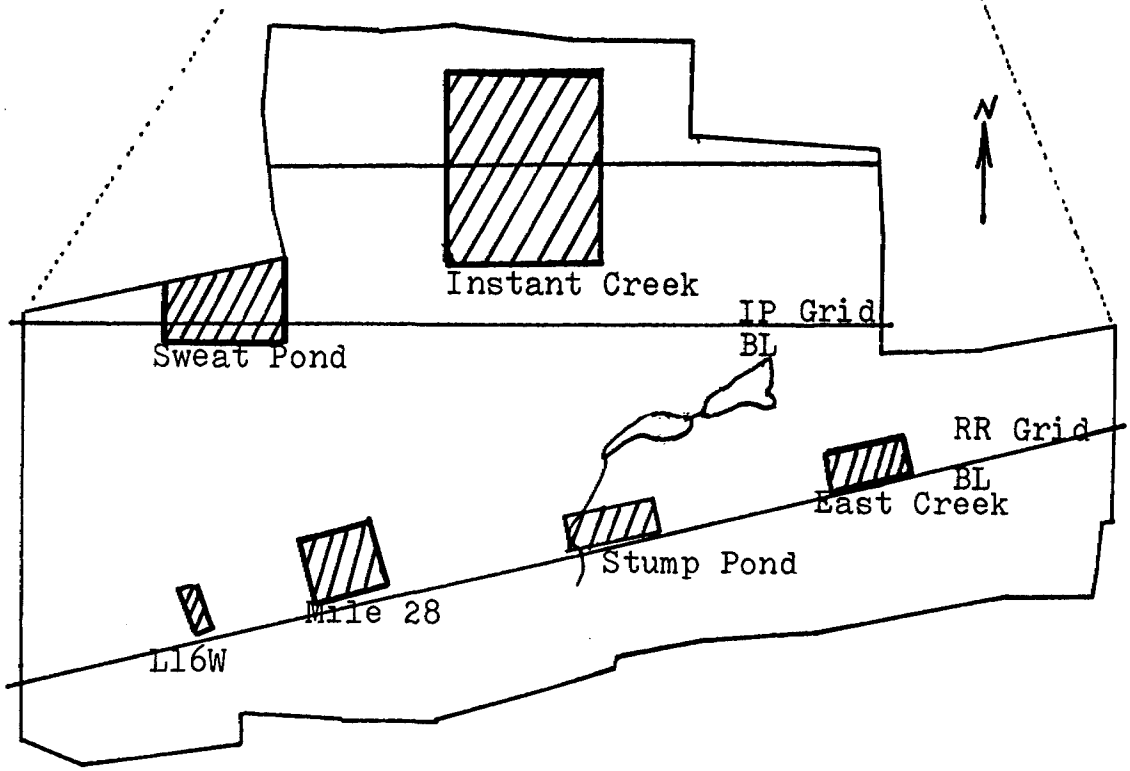

Figure 2. Target sites diamond drilled in 1985.

THE 1985 DIAMOND DRILLING PROGRAMME, AZA PROPERTY, McGARRY TOWNSHIP, ONTARIO

INTRODUCTION

The 1985 diamond drilling programme on behalf of McGarry Resources Inc. was carried out on the Aza property located in McGarry Township about one mile north of the Kerr-Addison Mine at Virginiatown, Ontario (See Fig. 1 and 2). The work was done under the general supervision of Lee Geo-Indicators Limited as Exploration Managers. Robert Anderson and Ray Burkhart were the two geologists on the site, one of them at all times. Their responsibilities lay in close liason with the drill crews, spotting holes, seeing that the drills were properly set-up, logging core, preparation of drill sections, preparation of computer logs of core and matching assays, and reporting to the Exploration Manager. Midwest Drilling of Winnipeg did the diamond drilling, and Michel Mongrain of Larder Lake split the core. Chemex Labs Ltd. of Vancouver did the analyses for gold.

Drilling commenced on August 17th and by November 27th the completion date, a total footage of 23,311 feet had been drilled and the core delivered to the core shack.

The diamond drilling programme was done under the authority of the March Budget 1985 approved by McGarry Resources Inc. acting as General Partner for McGarry Gold Partnership.

Drilling commenced just as soon as the 1985 field maps from the technical surveys were available for use in selection of project sites and targets within them. This selection was made prior to availability of the written reports on geophysics, geology, spruce needle duff survey, and basal lodgment till, but only after

extensive discussion with the author of each of these reports. However, it does mean that some of the recommendations included in their reports have not yet been acted on.

From the results of the 1985 technical surveys, six projects called target sites were selected, five of which are new and selected for exploratory drilling; and one which is a follow-up on 1984 work. The remainder of this Report will discuss each of the five target sites separately.

SWEAT POND SITE, DIAMOND DRILL HOLES 85-1 TO 6

Reference is made to the map in the Pocket at a scale of one inch to 100 feet called "1985 Diamond Drilling Sweat Pond Site".

Conditions Predicted

The drilling was done to isolate in bedrock the cause of five gold trains in basal lodgment till. Assistance for selection of drill targets came from (a) geology with the recognition in bedrock of a carbonatized alteration zone and a feldspar porphyry; (b) Strong VLF-EM conductors at over 60 Fraser Filter values; and (c) proton magnetics in which a magnetic low is largely coincident with the carbonatization alteration.

The gold in till which is also predicted for the bedrock source has ridged-shaped clasts of native gold from presumed shear zones in bedrock, and has dumbell clasts of indicated pyrite source in bedrock.

The larger clasts in the lodgment till, and also predicted for the local bedrock, include: gabbro, basalt, feldspar, diorite, amygdaloidal basalt, and

granodiorite. Vein and fractured basalt gives the best indication of gold from assay of clasts. Some volcanics are hematized.

Conditions Found in Drill Core

Six short holes were laid out and drilled to test the above predictions. The drilling penetrated, as predicted, strong shear zones of fault gouge, breccia, and mylonite. Alteration is intense over widths of a few feet with talc, carbonate, hematite, chlorite, serpentine, and with some quartz veining and disseminated pyrite.

A "syenite" porphyry was found in which the phenocrysts are calcareous, and carbonate content in the matrix is high. Most of the pyroxene is altered.

The best gold intersections are only moderately anomalous and are primarily in the highly altered – chlorite, carbonatization, hematite, brecciated – rocks.

Drill hole 85-2 assays at 270 ppB gold from 405 to 408 feet;
at 210 ppB gold from 413 to 416.

Drill hole 85-3 assays at 275 ppB gold from 40 to 56 feet;
at 270 ppB gold from 72 to 76;
at 270 ppB gold grom 143.5 to 147.5.

Drill hole 85-4 assays at 270 ppB gold from 437.5 to 441.5 feet.

Drill hole 85-6 assays at 210 ppB gold from 233.5 to 237.5 feet.

LINE 16 WEST SITE, DIAMOND DRILL HOLES 85-7, 8, 9

Reference is made to the map in the Pocket at a scale of one inch to 100 feet called "1985 Diamond Drilling Line 16 West Site".

Conditions Predicted

The drilling was done to establish local stratigraphy and provide preliminary testing for the cause of the one gold train in basal lodgment till. Close limits to the gold train have yet to be established.

The gold in till, and predicted for the bedrock, is very hackly, very yellow, and very abundant as if it had come directly from a gold rock face. Because of these peculiarities, and because the bulk sample of lodgment till was at the edge of the gravel road unattended for a few hours before panning, salting by unknown persons cannot be ruled out.

The larger clasts in the lodgment till, and predicted for the local bedrock, include: Diorite, gabbro, and basalt. Sheared silicified diorite gives the best indication of gold from the assays.

Conditions Found in Drill Core

Three short drill holes were laid out and drilled to test the above predictions. The drilling penetrated, as predicted, the gabbro and diorite, but not the basalt unless the gabbro is coarse-grained altered basalt. The diorite has a great deal of fracturing and veining with chlorite, carbonate, silica, and serpentine.

The best gold intersections are low-moderately anomalous. For DDH 85-7, this anomalous zone is in diorite that is marked by shear zones with alterations of silica enrichment, serpentine, talc, and by lesser amounts of silica-chlorite veins and carbonate brecciation. For DDH 85-8, the anomalous gold comes from pale, bleached diorite that is fractured and serpentized and cut by quartz-carbonate-chlorite veins with minor pyrite.

MILE 28 SITE, DIAMOND DRILL HOLES 85-10, 11, 12

Reference is made to the map in the Pocket at a scale of one inch to 100 feet called "1985 Diamond Drilling Mile 28 Site".

Conditions Predicted

The spruce needle duff map of Scott (1985) for Mile 28 Site shows seven weak anomalies for gold which suggests local increases in gold in the bedrock for these areas. The biogeochemical survey was done up-former ice from two till pits dug and sampled in 1975 (Lee, 1975) which for D 704 gave 20 pieces of gold per cubic foot and for D 611 gave 15 pieces of gold per cubic foot.

Because this old survey was done off flagged lines run from a baseline several claims to the south and second growth vegetation has taken over, it was not possible for the survey crew to refind the pits and locate them accurately on the present grid. Hence, the till pits shown on the accompanying map are only approximately located.

Clasts in lodgment till from these pits include pink syenite with attached quartz veins; a white micaceous dyke rock; sericite-quartz schist; and quartz-carbonate veins in brecciated andesite. These, as well as others, are expected to form local bedrock.

As displayed on the accompanying map, drilling was done to intersect the spruce needle duff anomalies, one VLF-EM conductor, and a magnetic trough. It is recognized that the VLF-EM conductors are biased by the direction from the transmitter station and it is quite possible that contouring should be done northeasterly.

Conditions Found in Drill Core

Three short holes were laid-out and drilled to test the above predictions. The drilling penetrated gabbro and feldspar porphyry.

The only low-moderately anomalous gold is in DDH 85-11 with assay of 140 ppB gold from footages of 236 to 240. The cause of the gold, in the spruce needle duff and the till pits, has not been established by this drilling. Additional till sampling and more VLF-EM are needed to be done prior to further drilling.

EAST CREEK SITE, DIAMOND DRILL HOLES 85-13, 14, 16, 17

Reference is made to the map in the Pocket at a scale of one inch to 100 feet called "1985 Diamond Drilling East Creek Site".

Conditions Predicted

Gold has been found west of the East Creek Site by diamond drilling along the same structural break, the footwall of the Virginiatown fault, where a fault-dip has been well established at 78° south.

A second fault zone at East Creek Site shows in outcrop, about 400 feet north of the Virginiatown fault and trends southwesterly towards it. This is named the Cabin fault and at the outcrop the fault dip is about 72° south. That slice of rock between the two faults, from magnetics, shows distortion of the rock which produces a flexure in the Cabin fault. Such a distorted zone needs investigation for gold by testing with a diamond drill. The rocks, as seen in outcrop, are chiefly ferro-magnesium altered sandstones, but there is also a syenite porphyry with quartz veins that have been pitted by earlier prospectors.

Spruce needle duff survey for Au was carried out over this area in search for gold locales that would give good drilling targets. This survey (Scott, 1985) produced a good number of very strong anomalies that needed follow-up by diamond drilling.

Conditions Found in Drill Core

The drilling was done to test the above conditions in bedrock, to find the source(s) of the gold and if possible its controlling structure(s).

As predicted, the drill holes passed through the Virginiatown fault between footages of 40 to 89 feet, except for DDH 85-17 which collared north of it. They passed through the Cabin fault between footages of 508 and 572 feet. DDH 85-17 intersected the Cabin fault between footages of 362 to 442.

The best intersections for gold are in jasper sandstones with some bleaching, pyrite, chlorite, and in some very highly altered structural rocks termed "tectonite".

Drill hole 85-13 assays at 3,220 ppB gold from 483 to 487 feet;
at 140 ppB gold from 586 to 594.

Drill hole 85-14 assays at 140 ppB gold from 354.5 to 358.5 feet;
at 140 ppB gold from 566.5 to 570.5;
at 210 ppB gold from 583 to 587;
at 140 ppB gold from 821 to 825;
at 260 ppB gold from 833 to 845.

Drill hole 85-16 assays at 140 ppB gold from 520 to 524 feet;
at 595 ppB gold from 581 to 592;
at 140 ppB gold from 620 to 624.

Drill hole 85-17 assays at 120 ppB gold from 42 to 58 feet;
at 160 ppB gold from 86 to 98;
at 140 ppB gold from 118 to 122;
at 480 ppB gold from 431.5 to 443.5;
at 205 ppB gold from 547 to 555.

INSTANT CREEK SITE, DIAMOND DRILL HOLES 85-18 TO 28

Reference is made to the map in the Pocket at a scale of one inch to 100 feet called "1985 Diamond Drilling Instant Creek Site".

Conditions Predicted

Instant Creek fault is exposed in outcrop at the lower outlet of Instant Pond. The pillowed basalt is strongly sheared, and there is strong alteration by a stockwork of stringer quartz veining, pink colours of hematite and specularite, epidote, minor arsenopyrite, and very low gold. The fault extension can be traced by a linear in the swamp overburden as shown on the map in the Pocket. Down-former ice from this fault, three till pits give anomalous counts of gold pieces.

The spruce needle duff survey was done as a follow-up on this data and it has located slightly anomalous gold (over 4 ppB) in a broad trend generally parallel with the Instant Creek fault.

The VLF-EM and Magnetic surveys were done prior to cutting the intermediate 200 foot-lines, hence there is no data for them. A strong east-west trend is coincident for the VLF-EM conductor and Magnetic ridge to the north, under the Cheminis Lumber road. However, the geophysical data is too open to decide what happens along the Instant Creek fault and where its extension would

cross the above mentioned VLF-Magnetic zone. The position of the presumed intersection should fall where a spruce needle duff anomaly for gold is located where there is a pink "syenite" outcrop.

Other VLF-EM conductors show, but the spacing of the data lines are too open and the choice of transmitter station may not be the best, hence there are difficulties in how to contour the present data.

Conditions Found in Drill Core

DDH 85-25, 26, 27

The drill holes 85-25, 26, 27 test the northern anomalies of coincident VLF-EM conductor, magnetic ridge and spruce needle duff high.

The rocks in the drill core are intercalated basalt and pink "syenite" rocks. The latter rocks show strong carbonate alteration and lesser epidote, hematite, and quartz. Intense gouge and shearing are encountered betwen footages of 201 to 270 and 372 to 401.

The gold intersections are low-moderately anomalous:

Drill hole 85-25 assays at 140 ppB gold from 12 to 20 feet.

Drill hole 85-26 assays at 140 ppB gold from 134 to 138 feet;
at 445 ppB gold from 142 to 148.

Drill hole 85-27 assays at 210 ppB gold from 82.5 to 86 feet;
at 140 ppB gold from 102 to 106;
at 95 ppB gold from 110 to 117;
at 140 ppB gold from 162 to 166;
at 225 ppB gold from 195 to 211;

at 140 ppB gold from 236 to 244;

at 120 ppB gold from 350 to 360

at 120 ppB gold from 385 to 397;

at 375 ppB gold from 399 to 407.

DDH 85-18, 24

The drill holes 85-18 and 24 test the topographic lineament extension of the Instant Creek fault. Three zones of intense brecciation are intersected by the drill holes: (1) Within footages of 177 to 196, fault gouge; (2) Between footages of 334 to 411 by either tectonic breccia or fracture zones with slickensides and; (3) Between footages of 433 to 484 by either tectonic breccia or fracture zones with slickensides.

The gold intersections given below are moderately anomalous:

Drill hole 85-18 assays at 210 ppB gold from 30 to 34 feet;

at 550 ppB gold from 74 to 78;

at 375 ppB gold from 82 to 90;

at 140 ppB gold from 309 to 313;

at 140 ppB gold from 365 to 369;

at 820 ppB gold from 433.5 to 437.5;

at 410 ppB gold from 422 to 446;

at 550 ppB gold from 458 to 465;

at 210 ppB gold from 477 to 481.

Drill hole 85-24 assays at 140 ppB gold from 32 to 36 feet;

at 210 ppB gold from 60 to 64;

at 140 ppB gold from 123 to 127;

at 275 ppB gold from 340 to 348;

at 480 ppB gold from 352 to 356.

The upper part of DDH 85-18 to a footage of 369 feet is in basalt with calcite, epidote, and chalcopyrite fracturing. The lower part of the assay zone from 433 footage to 481 is in tectonic breccia with 2 to 3 per cent chalcopyrite as stringers or with quartz, chlorite, epidote, sericite alteration. Some of the breccia is stretched to the stage of a mylonite. The assay section in hole DDH 85-24 is in basalt and some feldspar porphyry. Most of it is altered with calcite, chlorite; pyrrhotite, and pyrite.

DDH 85-19

The drill hole 85-19 tests a strong VLF-EM conductor. Drill core shows the rocks to be basalt and "syenite". Both are sheared, in parts strongly brecciated, and with talc-carbonate-chlorite and in places hematite, epidote, and blebs of chalcopyrite alteration.

The core assays at 320 ppB gold from 185 to 197 feet where there is a calcareous feldspar porphyry which carries 2 to 3 per cent chalcopyrite.

DDH 85-20, 23

The drill holes 85-20 and 23 test two spruce needle duff anomalies, and are laid-out directly up-former ice from till pit E22 with 12 pieces of gold per cubic foot.

A very good gold intersection was encountered in drill hole 85-20. The rock is pillowed basalt with calcareous variolites near the selvages. The selvages are

composed of carbonate, chlorite, minor pyrite and chalcopyrite and there is some quartz-carbonate-feldspar veining. In places chalcopyrite, pyrite, and pyrrhotite have filled fractures along with the epidote.

Drill hole 85-20 assays at 1785 ppB gold from 50 to 58 feet;
at 210 ppB gold from 107 to 111.5;
at 140 ppB gold from 136 to 140;
at 270 ppB gold from 144 to 148.

A wide gold intersection is from 136 to 220 feet.

Within this wide intersection DDH 85-20 assays
at 10,330 ppB gold from 164 to 168 feet;
at 680 ppB gold from 168 to 172;
at 140 ppB gold from 172 to 176.

At 410 ppB gold from 180 to 184 feet;
at 210 ppB gold from 184 to 188;
at 2, 190 ppB gold from 188 to 192

At 1,440 ppB gold from 196 to 200 feet;
at 2,050 ppB gold from 200 to 204;
at 140 ppB gold from 204 to 208;
at 480 ppB gold from 208 to 212;
at 140 ppB gold from 212 to 216;

At 140 ppB gold from 240 to 244.

From footages of 196 to 204, the rock has fractures filled with chalcopyrite, pyrrhotite, epidote and these could be part of the cause of the VLF-EM conductor and magnetic ridge.

Drill hole 85-23 assays at 170 ppB gold from 321 to 329 feet;

at 140 ppB gold from 341 to 349;

at 340 ppB gold from 361 to 365;

at 370 ppB gold from 485 to 501.

STUMP POND SITE, DIAMOND DRILL HOLES 85-29 TO 34

Reference is made to the map in the Pocket at a scale of one inch to 100 feet called "1985 Diamond Drilling Stump Pond Site".

Conditions Predicted

The drilling was done generally up-former ice from a till pit with 15 pieces of gold per cubic-foot and between two zones of quartz saturation determined from previous drilling. One previous hole 84-23 assayed

At 400 ppB gold from 146 to 150 feet;

at 3,400 ppB gold from 150 to 154 feet;

at 1,100 ppB gold from 154 to 158 feet.

Conditions Found in Drill Core

The drill holes intersected in 85-31 two to three per cent pyrite from 10 to 21.5 feet; in 85-33 four per cent pyrite from 418.75 to 420 feet; and in 85-34 three per cent pyrite and pyrrhotite from 516 to 520 feet. None of these zones gave

above background gold. The jasper sandstone with one or two per cent pyrite similar to hole 84-23 was intersected but did not show gold continuity.

The only low-moderate gold intersection was for drill hole 85-30 which assays at 140 ppB gold from 325 to 329 feet.

STUMP POND SITE F ZONE, DIAMOND DRILL HOLES 85-35 TO 52

Reference is made to the map in the Pocket at a scale of one inch to 20 feet called "1985 Diamond Drilling Stump Pond Site F Zone".

Conditions Predicted

Earlier drilling off the general up-former ice end of gold trains in till established several gold intersections. The outcrop geology shows a reddish carbonate alteration rock mapped as "syenite porphyry and tuff". The beds show a fold plunging southwesterly at 50°.

Conditions Found in Drill Core

The drill holes were placed to establish the continuity or ore-grade gold, its trend, and from mineral and alteration studies, its controls.

Ore-grade intersections were encountered in a line of closely-spaced adjacent holes trending northeasterly.

Drill hole 85-44 assays at 0.89 gm/tonne gold from 47 to 51 feet;
at 12.60 gm/tonne gold from 51 to 55;
at 6.99 gm/tonne gold from 55-59.

Drill hole 85-45 assays at 1.17 gm/tonne gold from 26 to 30 feet;

at 4.77 gm/tonne gold from 30 to 34;

at 4.63 gm/tonne gold from 34 to 38;

at 3.43 gm/tonne gold from 69 to 73 feet.

Drill hole 85-46 assays at 0.48 gm/tonne gold from 34 to 38 feet;

at 0.27 gm/tonne gold from 38 to 42;

at 17.08 gm/tonne gold from 42 to 43.5;

at 3.98 gm/tonne gold from 43.5 to 47 feet.

At 3.98 gm/tonne gold from 59 to 63 feet;

at 7.41 gm/tonne gold from 63 to 67;

at 0.21 gm/tonne gold from 67 to 71.

The drill cores across these intersections have been re-logged and re-sampled by W.O. Karvinen for McGarry Resources. The assays and analyses of trace elements are not yet available. However, the re-logging shows narrow quartz-pyrite veins with chalcopyrite, visible gold, tellurides, and bleached vein walls.

Respectfully submitted by

LEE GEO-INDICATORS LIMITED

Exploration Managers for McGarry Gold Partnership

Hulbert A Lee

Hulbert A. Lee, Ph.D., P.Eng.

February, 1986.

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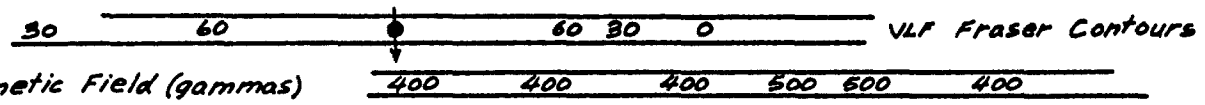
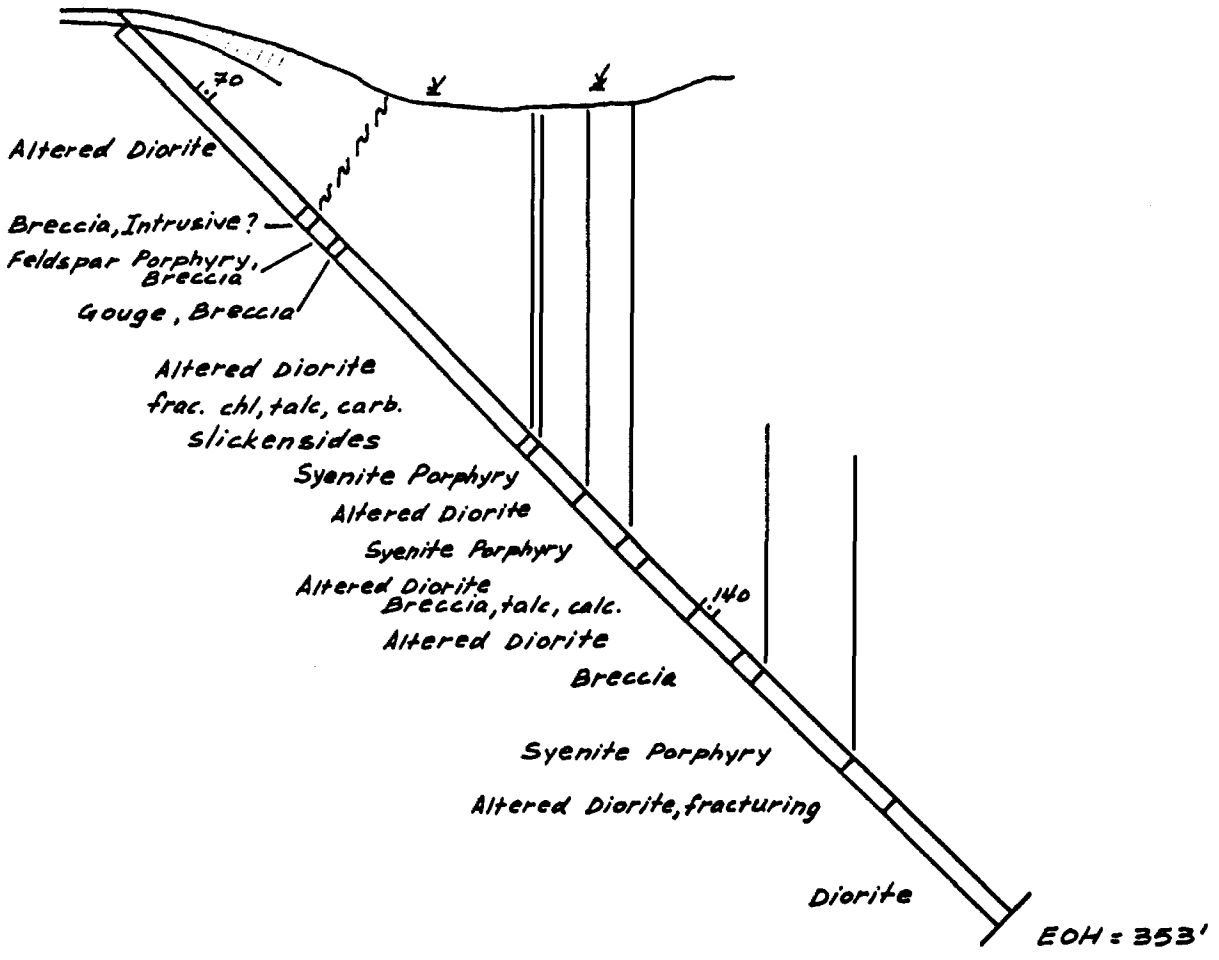


4 pieces of gold in lodgment till 400' South

North

South

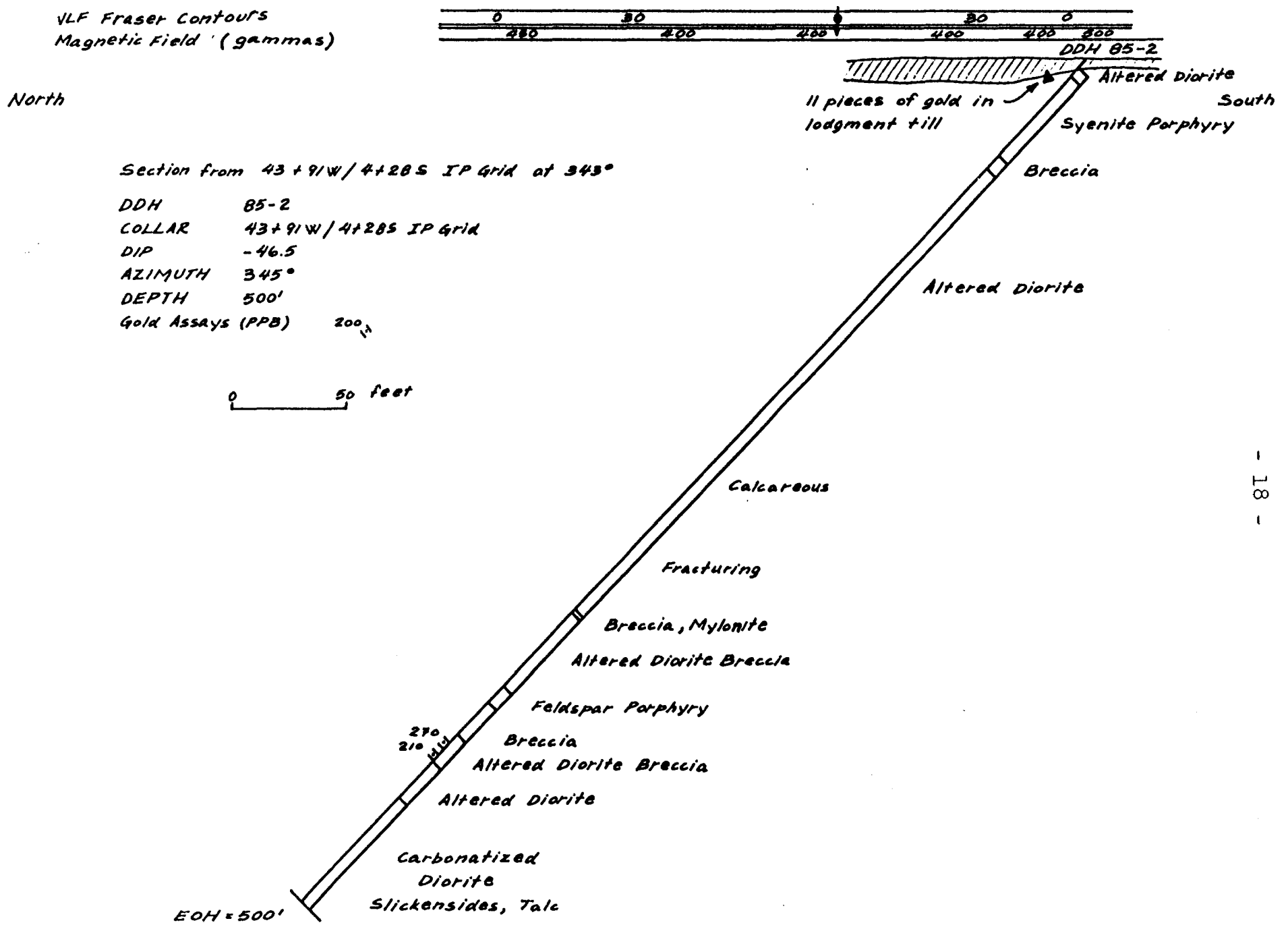
DDH 85-1

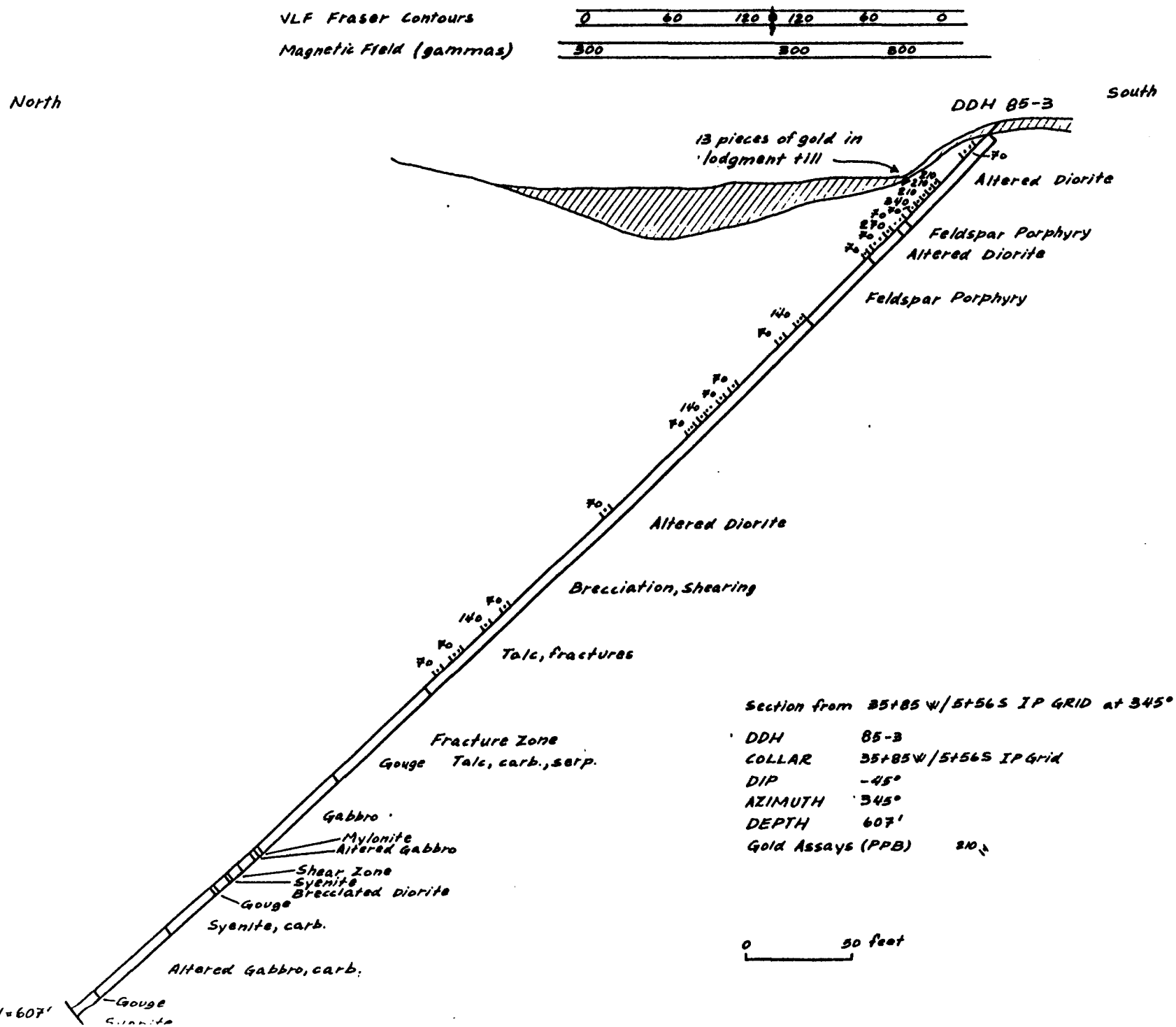


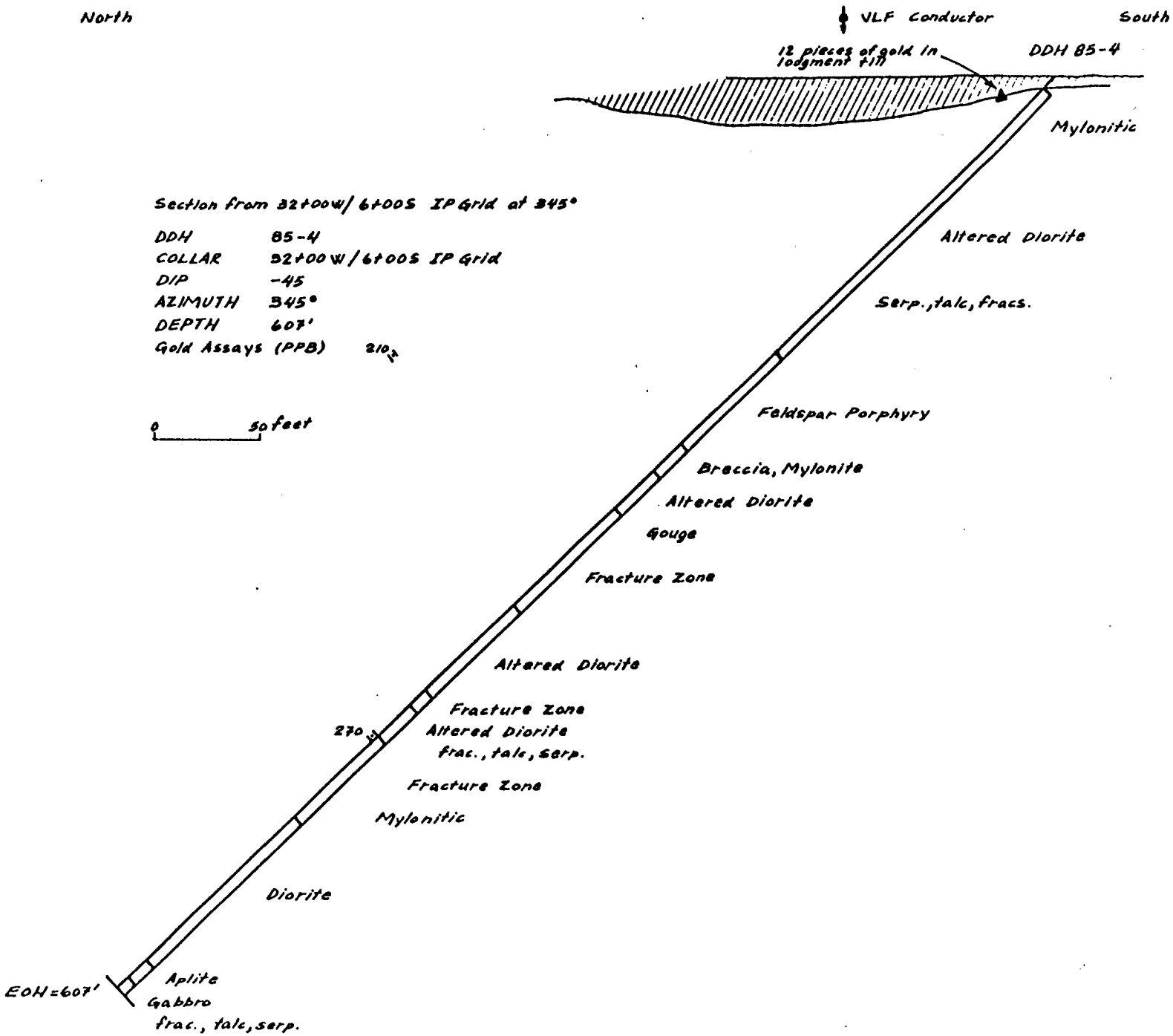
Section from 41+75W/ 2+50S IP Grid at 190°

DDH	85-1
COLLAR	41+75 W / 2+50 S IP Grid
DIP	-45°
AZIMUTH	190°
DEPTH	353'

0 50 feet


VLF Fraser Contours
Magnetic Field (gammas)
0
30
30
0
480
400
400
400
400
200
DDH 85-2
Altered Diorite
North
11 pieces of gold in lodgment till
South
Syenite Porphyry
Section from 43+91W/4+28S IP Grid at 343°
DDH 85-2
COLLAR 43+91W/4+28S IP Grid
DIP -46.5
AZIMUTH 345°
DEPTH 500'
Gold Assays (PPB) 200
0
50 feet
Breccia
Altered Diorite
Calcareous
Fracturing
Breccia, Mylonite
Altered Diorite Breccia
Feldspar Porphyry
270
210
Breccia
Altered Diorite Breccia
Altered Diorite
Carbonatized
Diorite
Slickensides, Talc
EOH = 500'


VLF Fraser Contours
0 60 120 120 60 0
Magnetic Field (gammas)
500 500 500
North
South
DDH 85-3
13 pieces of gold in lodgment till
Fo
210
240
270
140
Altered Diorite
Feldspar Porphyry
Altered Diorite
Feldspar Porphyry
Altered Diorite
Brecciation, Shearing
Talc, fractures
Fracture Zone
Gouge Talc, carb., serp.
Gabbro
Mylonite
Altered Gabbro
Shear Zone
Syenite
Brecciated Diorite
Gouge
Syenite, carb.
Altered Gabbro, carb.
Gouge
EOH = 607'
Section from 35+85 W/5+56 S IP GRID at 345°
DDH 85-3
COLLAR 35+85 W/5+56 S IP Grid
DIP -45°
AZIMUTH 345°
DEPTH 607'
Gold Assays (PPB) 210
0 50 feet


North
VLF Conductor
South
12 pieces of gold in lodgment till
DDH 85-4
Mylonitic
Section from 32+00W/ 6+00S IP Grid at 345°
DDH 85-4
COLLAR 32+00 W/ 6+00S IP Grid
DIP -45
AZIMUTH 345°
DEPTH 607'
Gold Assays (PPB) 210
0
50 feet
Altered Diorite
Serp., talc, fracs.
Feldspar Porphyry
Breccia, Mylonite
Altered Diorite
Gouge
Fracture Zone
Altered Diorite
Fracture Zone
270
Altered Diorite
frac., talc, serp.
Fracture Zone
Mylonitic
Diorite
EOH=607'
Aplite
Gabbro
frac., talc, serp.

Magnetic Field (gammas) 900 300

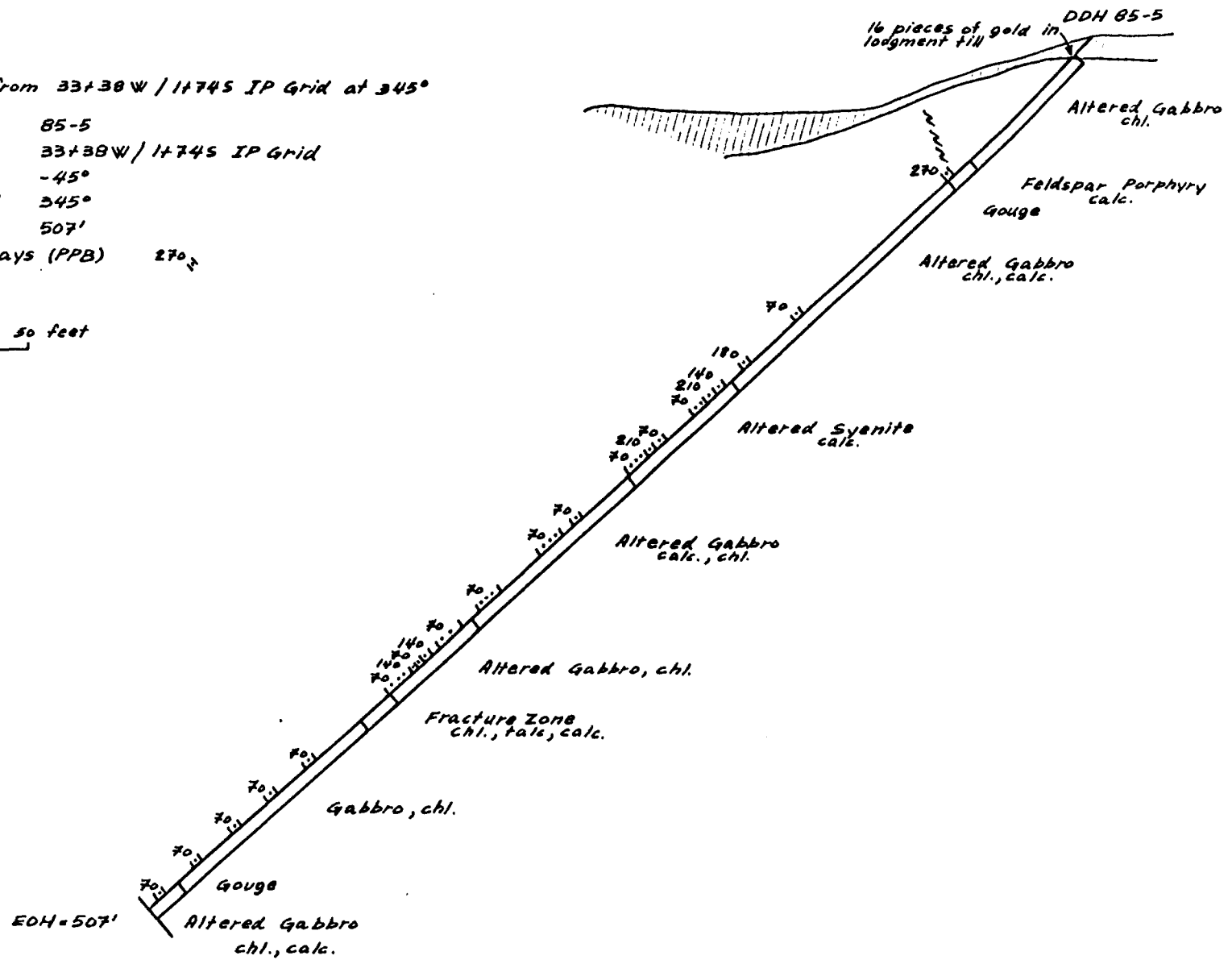
North

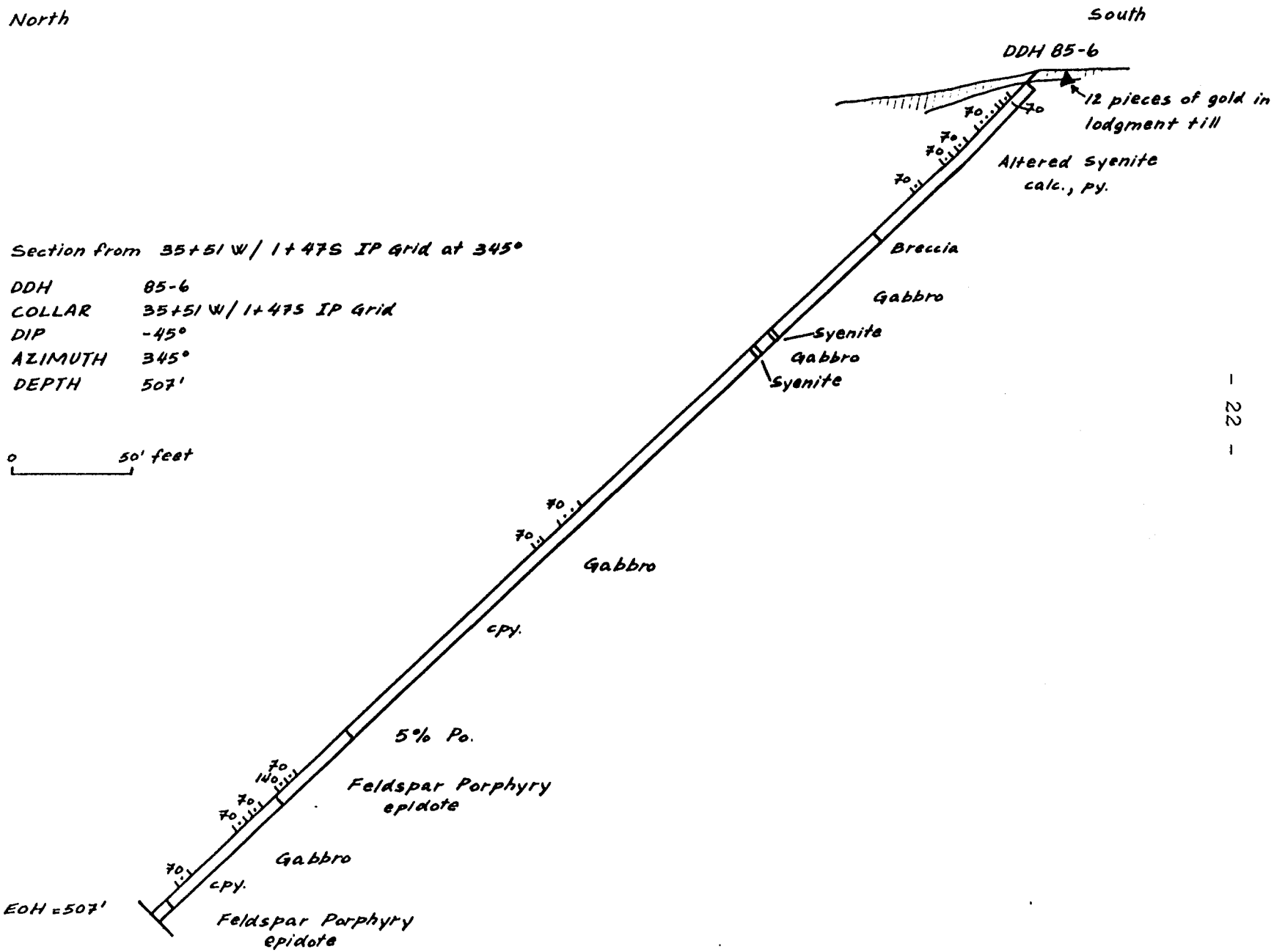
South

Section from 33+38W / 11+74S IP Grid at 345°

DDH	85-5
COLLAR	33+38W / 11+74S IP Grid
DIP	-45°
AZIMUTH	345°
DEPTH	507'
Gold Assays (PPB)	270 14

0 50 feet




North
South
DDH 85-6
12 pieces of gold in lodgment till
Altered Syenite
calc., py.
Section from 35+51 W/ 1+47S IP Grid at 345°
DDH 85-6
COLLAR 35+51 W/ 1+47S IP Grid
DIP -45°
AZIMUTH 345°
DEPTH 507'
Breccia
Gabbro
Syenite
Gabbro
Syenite
0 50' feet
70
Gabbro
cpy.
5% Po.
Feldspar Porphyry
epidote
Gabbro
cpy.
EOH =507'
Feldspar Porphyry
epidote

Magnetic Field (gammas)	516	538	546	510	497	524	531	518	457	464
VLF Fraser Contours	57		46		17		-2		-15	

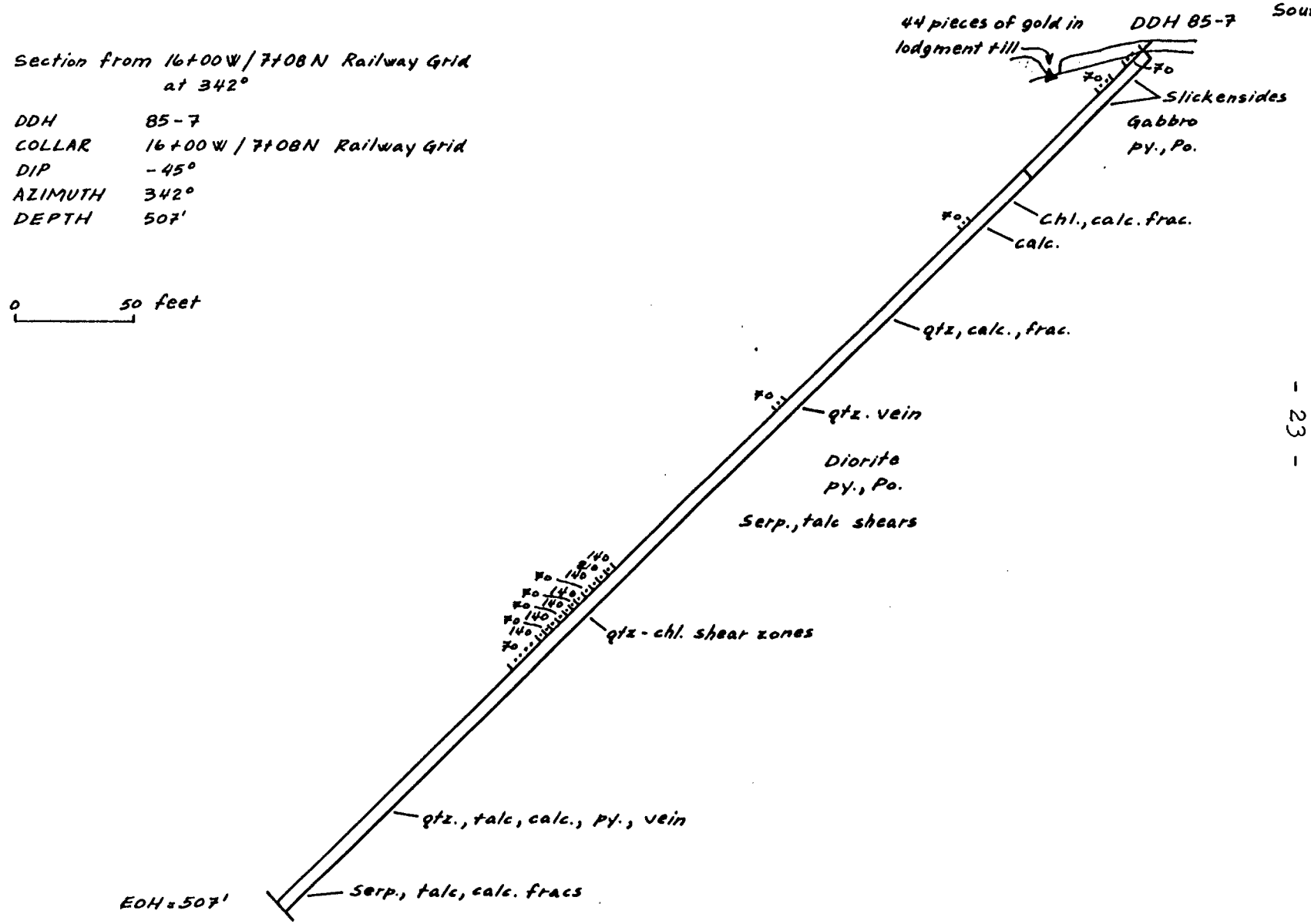
North

South

Section from 16+00W / 7+08N Railway Grid at 342°

DDH	85-7
COLLAR	16+00W / 7+08N Railway Grid
DIP	-45°
AZIMUTH	342°
DEPTH	507'

0 50 feet



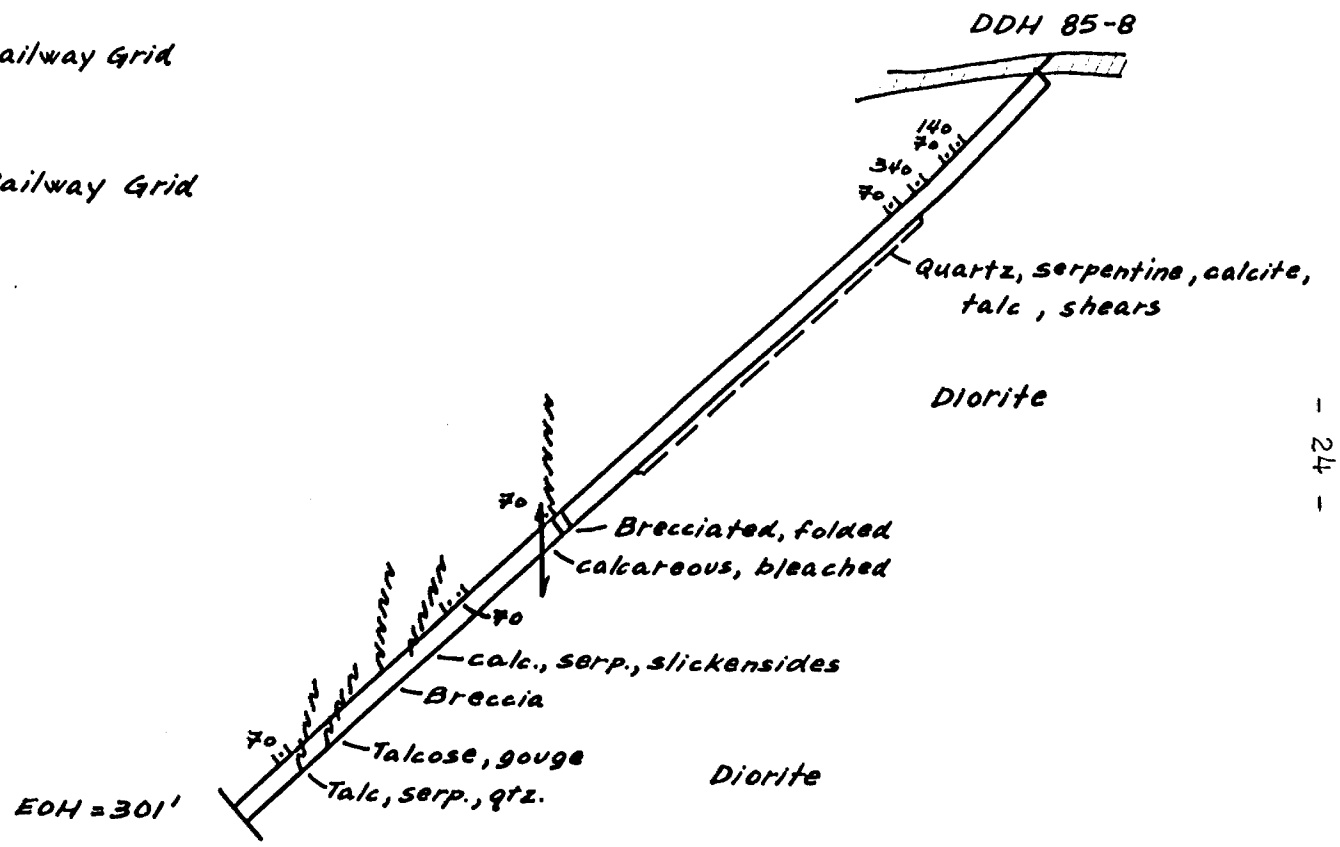
North

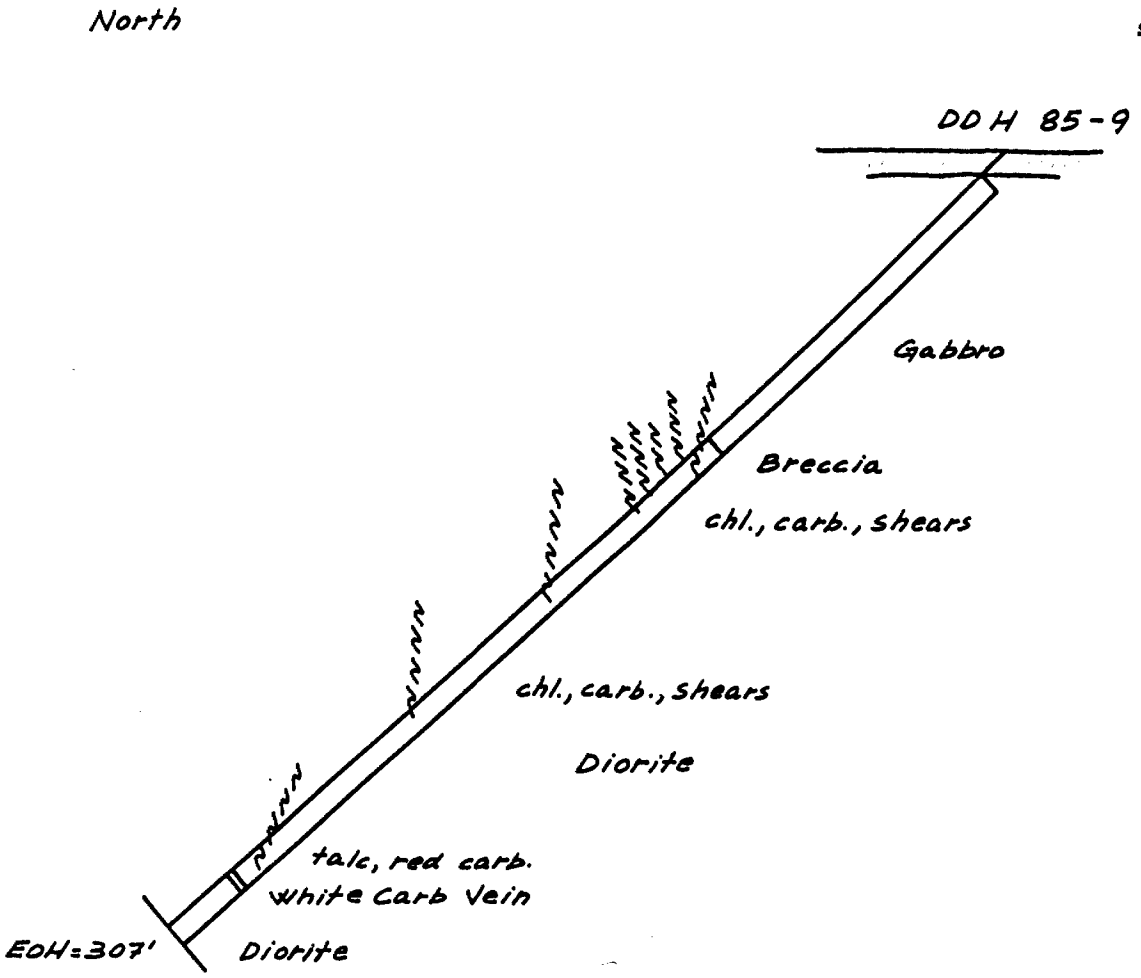
South

Section from 16+75W/ 7+08N Railway Grid
at 342°

DDH	85-8
COLLAR	16+75 W/ 7+08 N Railway Grid
DIP	-45°
AZIMUTH	342°
DEPTH	301'

0 50 feet





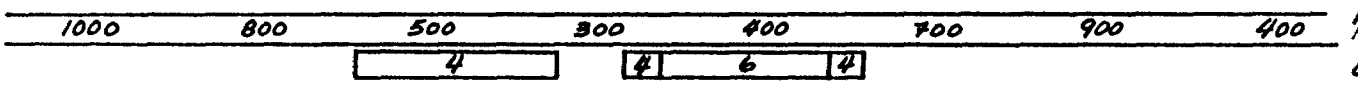
Section from 15+15 W/ 7+08 N Railway Grid
at 342°

DDH	85-9
COLLAR	15+15 W/7+08 N Railway Grid
DIP	-45°
AZIMUTH	342°
DEPTH	307'

0 ——— 50 feet

West

East



Magnetic Field (gammas)

Gold in Spruce Needle Duff (PPB)

20 pieces of gold in lodgment till 500' South

DDH 85-10

Magnetite Gabbro

brecciated, calcareous Feldspar Porphyry, py.

Breccia with ep., carb, chl., Po, Ser. Feldspar Porphyry calc. breccia

Magnetite Gabbro

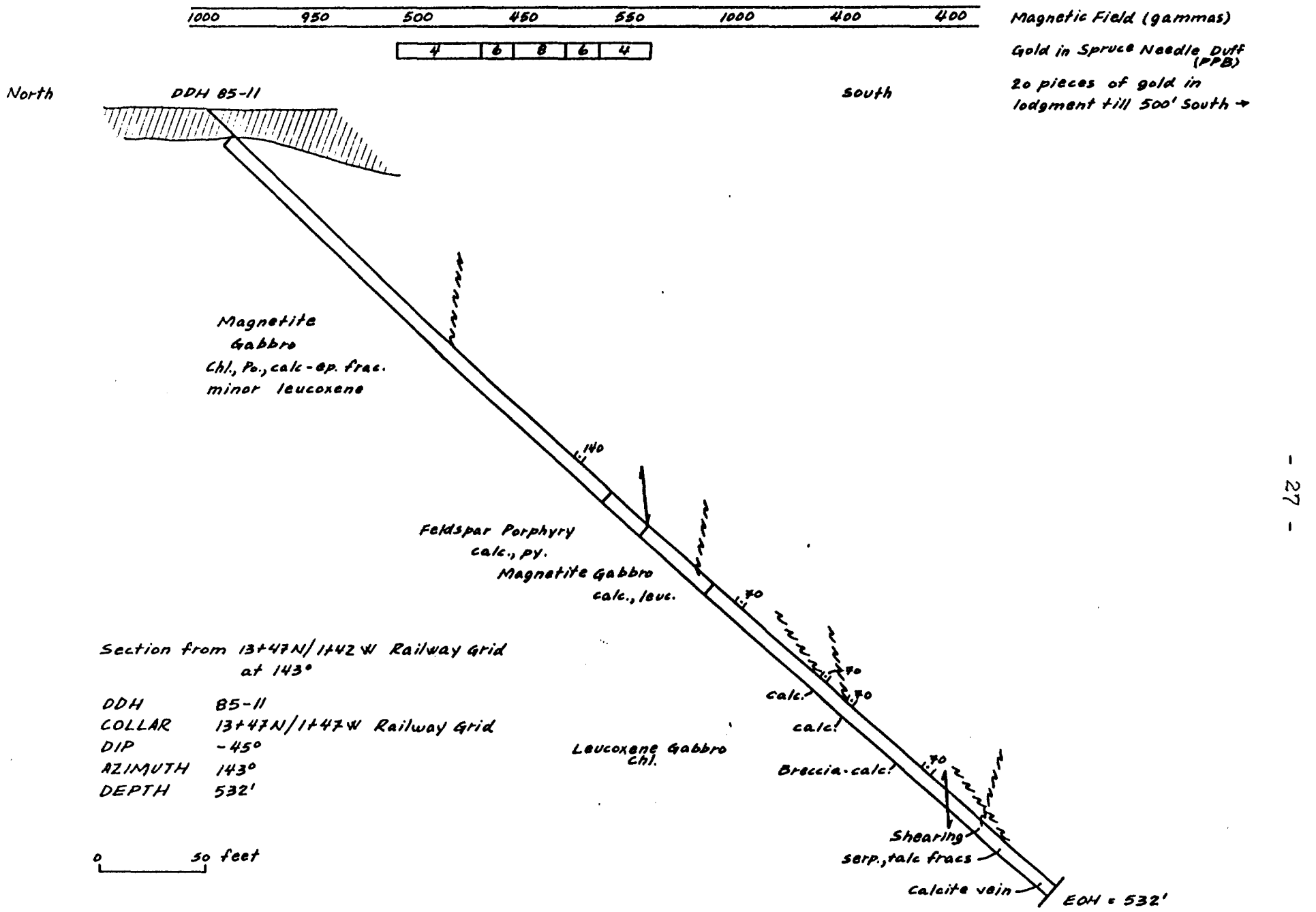
Magnetite Gabbro ep., leuc., Py, Po.

EOH = 307'

Section from 10+80W/2+86N Railway Grid at 110°

DDH	85-10
COLLAR	10+80N/2+86W Railway Grid
DIP	-45°
AZIMUTH	110°
DEPTH	307'

0 50 feet


1000 950 500 450 550 1000 400 400
Magnetic Field (gammas)
4 6 8 6 4
Gold in Spruce Needle Duff (PPB)
20 pieces of gold in lodgment till 500' South →
North
DDH 85-11
South
Magnetite Gabbro
Chl., Po., calc-ep. frac.
minor leucoxene
140
Feldspar Porphyry
calc., py.
Magnetite Gabbro
calc., leuc.
70
70
70
calc.
calc.
Leucoxene Gabbro
Chl.
Breccia-calc.
Shearing
serp., talc fracs
Calcite vein
EOH = 532'
Section from 13+47N/1+42W Railway Grid
at 143°
DDH 85-11
COLLAR 13+47N/1+47W Railway Grid
DIP -45°
AZIMUTH 143°
DEPTH 532'
0 50 feet

North

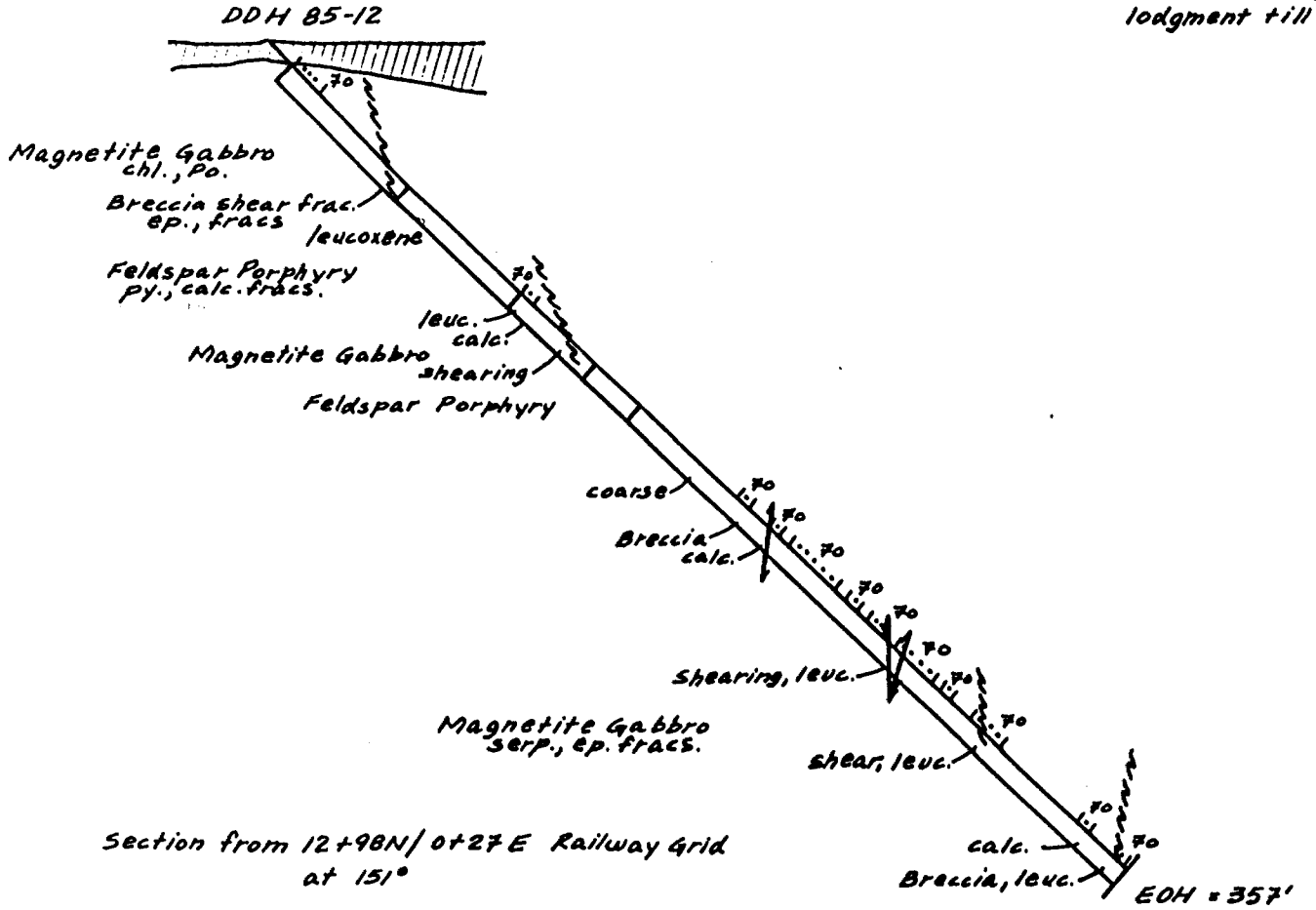
South

450	500	1000	1800	700	550	500
	4	6	8	6	4	

Magnetic Field (gammas)

Gold in Spruce Needle Duff (PPB)

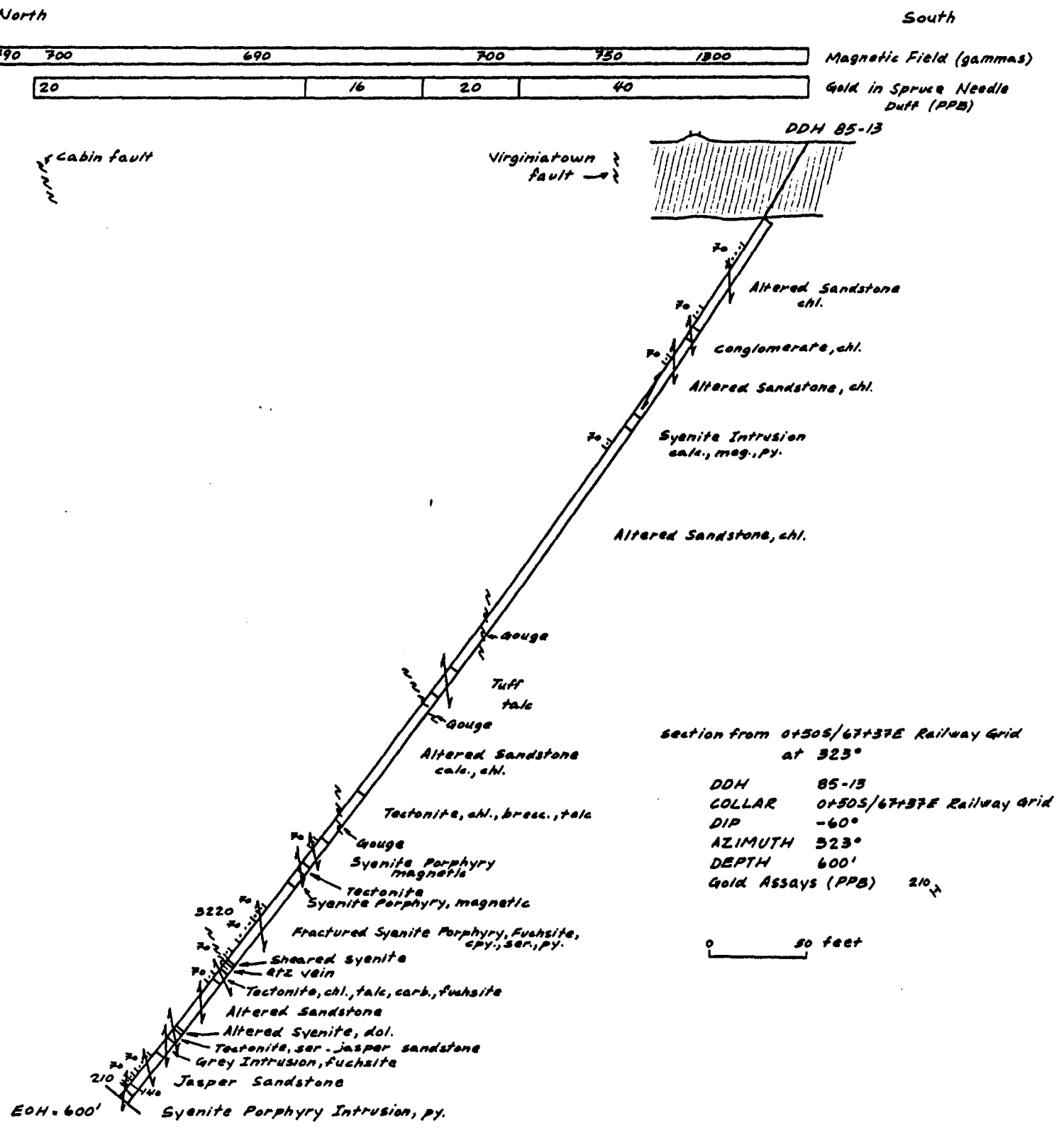
20 pieces of gold in lodgment till 500' South →

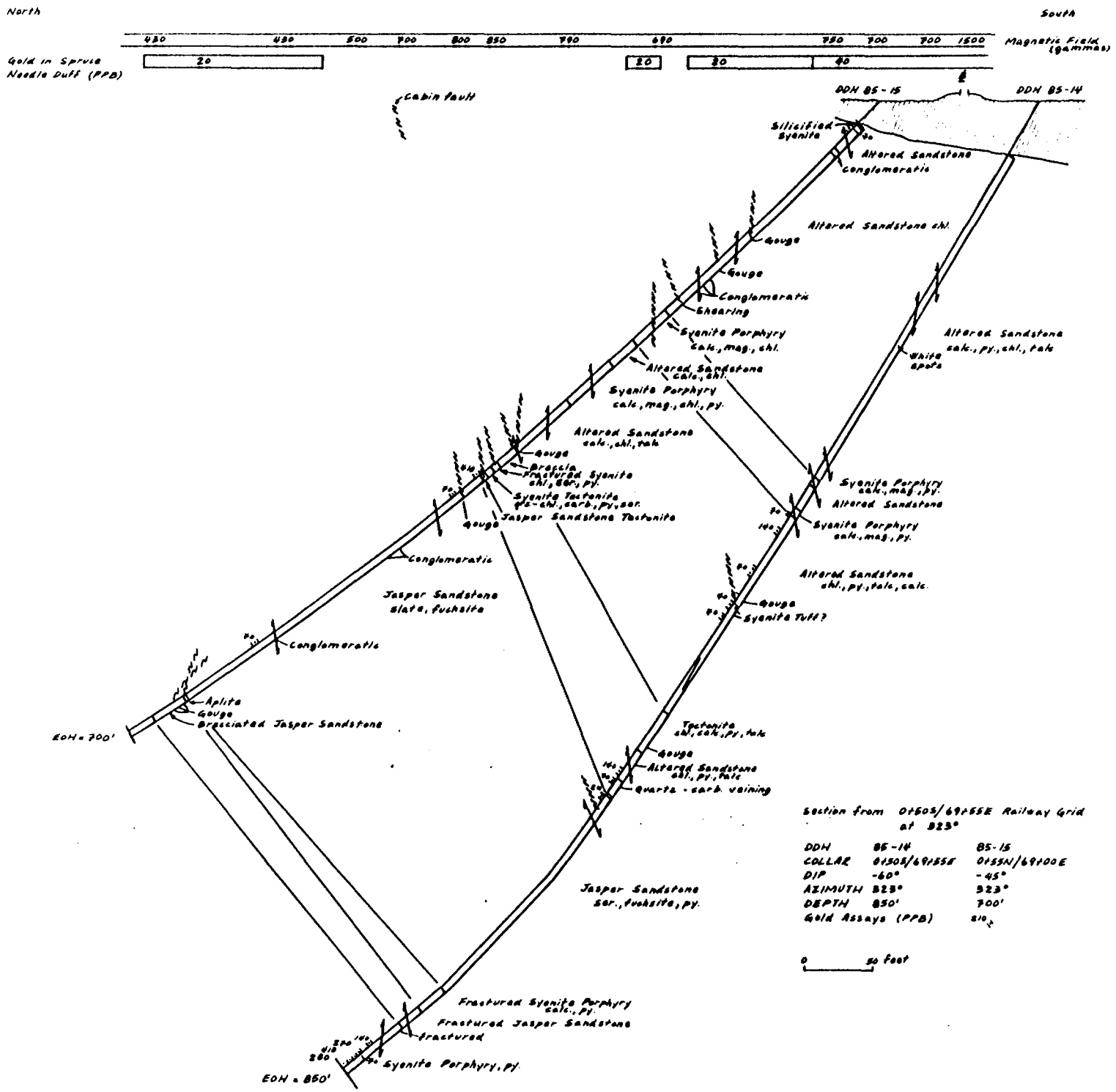


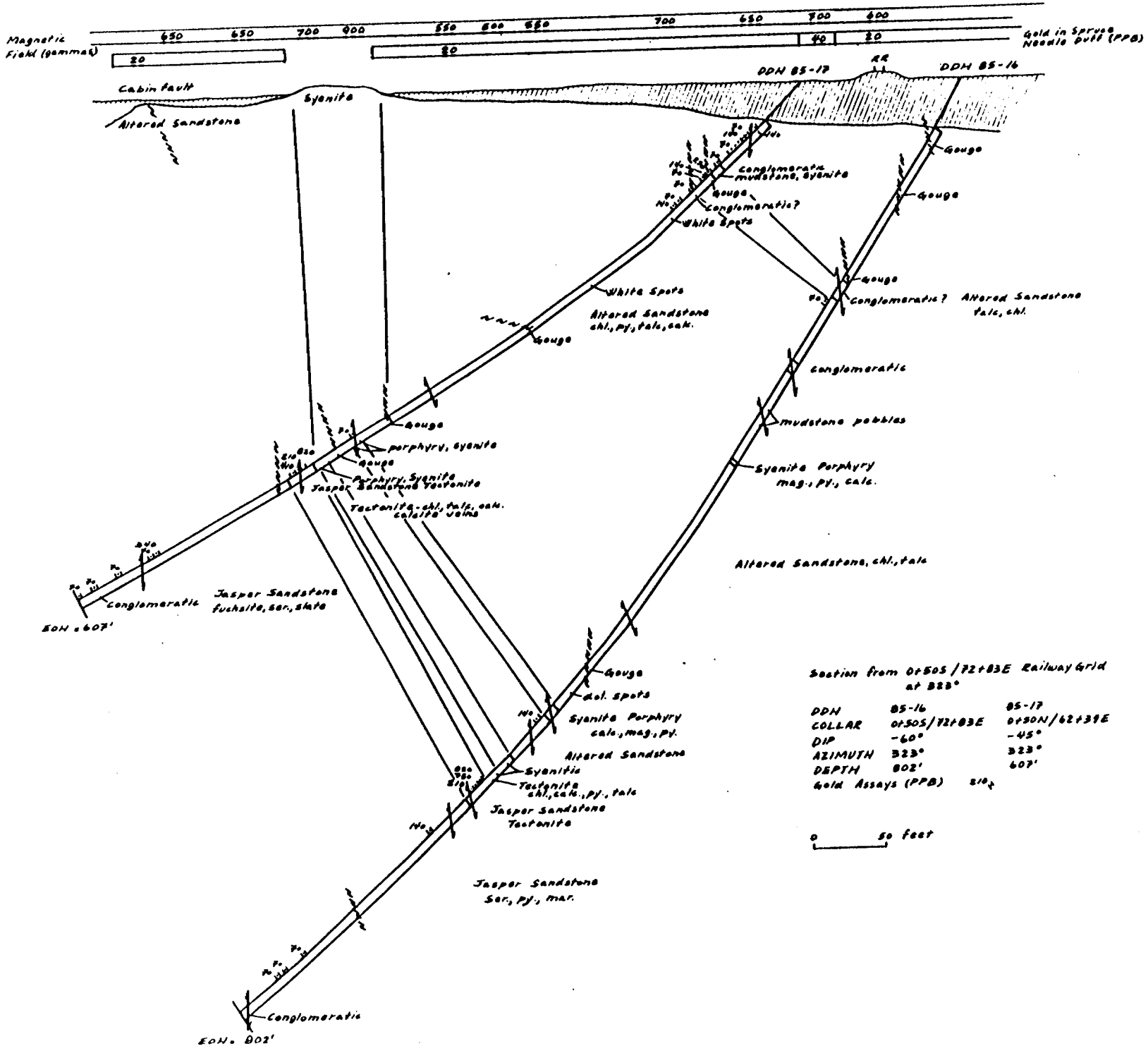
Section from 12+98N/0+27E Railway Grid at 151°

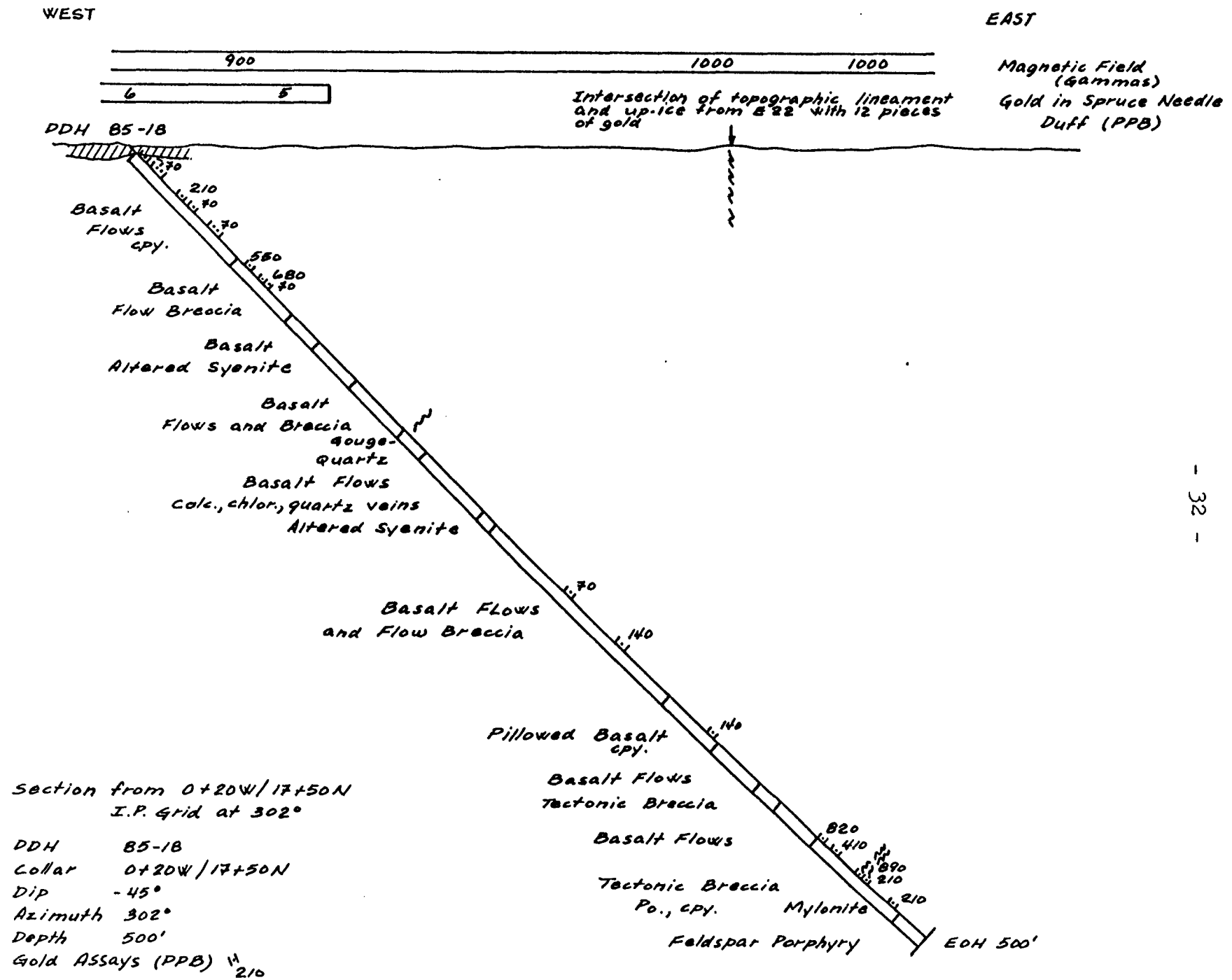
DDH	85-12
COLLAR	12+98E/0+27E Railway Grid
DIP	-45°
AZIMUTH	151°
DEPTH	357'

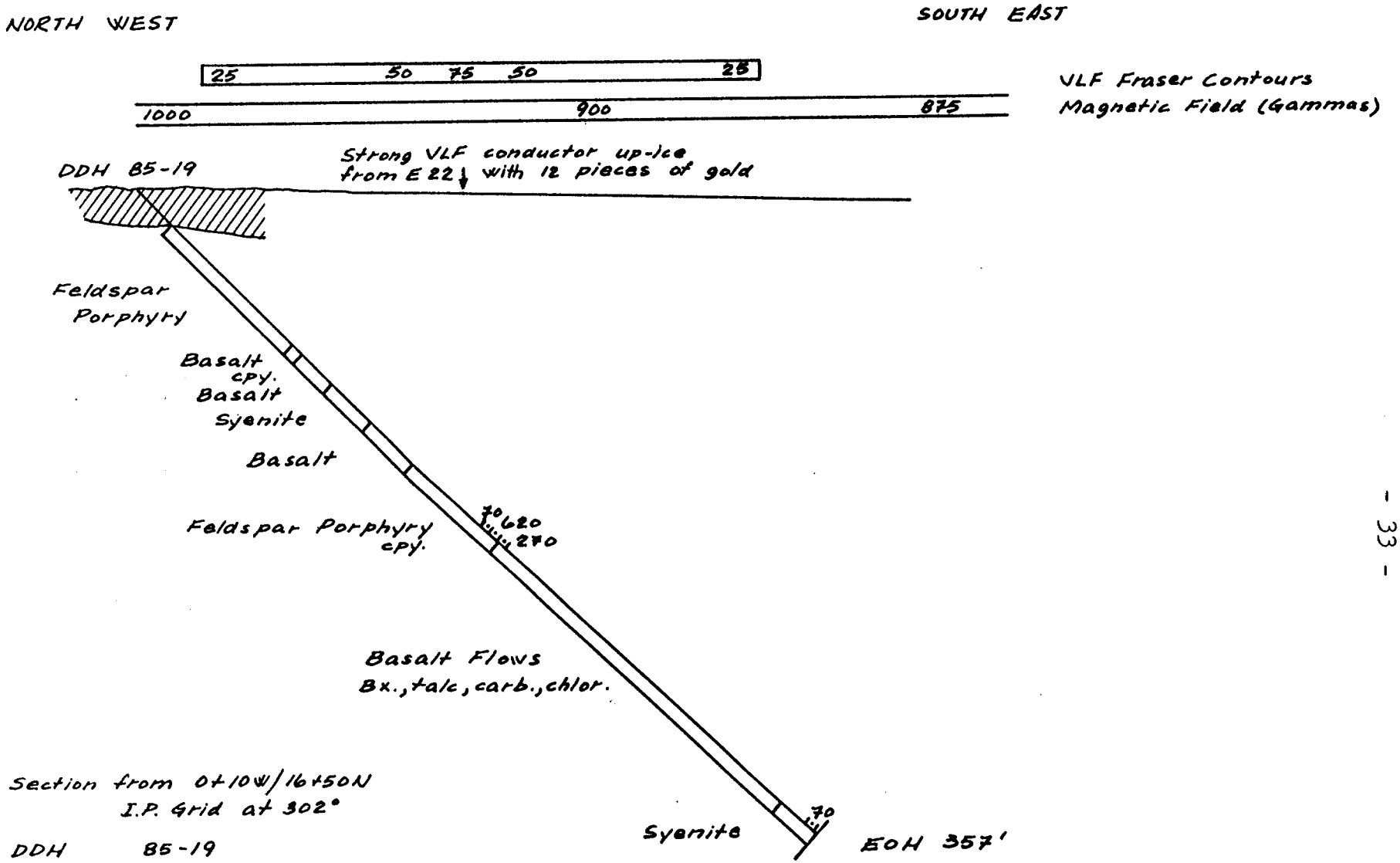
0 ——— 50 feet


North
South
790 700 690 700 750 1800
Magnetic Field (gammas)
20 16 20 40
Gold in Spruce Needle Duff (PPB)
DDH 85-13
Cabin fault
Virginiatown fault
Altered Sandstone chl.
Conglomerate, chl.
Altered Sandstone, chl.
Syenite Intrusion calc., mag., py.
Altered Sandstone, chl.
Gouge
Tuff talc
Gouge
Altered Sandstone calc., chl.
Tectonite, chl., breec., talc
Gouge
Syenite Porphyry magnetic
Tectonite
Syenite Porphyry, magnetic
3220
Fractured Syenite Porphyry, Fuchsite, cpy.; ser., py.
Sheared syenite
Qtz vein
Tectonite, chl., talc, carb., fuchsite
Altered Sandstone
Altered Syenite, dol.
Tectonite, ser.-jasper sandstone
Grey Intrusion, fuchsite
210
Jasper Sandstone
EOH - 600'
Syenite Porphyry Intrusion, py.
section from 0+50S/67+37E Railway Grid at 323°
DDH 85-13
COLLAR 0+50S/67+37E Railway Grid
DIP -60°
AZIMUTH 323°
DEPTH 600'
Gold Assays (PPB) 210
0 50 feet


North
South
430
430
500
700
800
850
790
690
750
700
700
1500
Magnetic Field (gammas)
Gold in Spruce Needle Duff (PPB)
20
20
20
40
DDH 85-15
DDH 85-14
Cabin fault
Silicified Syenite
Altered Sandstone conglomeratic
Altered Sandstone chl.
Gouge
Gouge
Conglomeratic
Shearing
Syenite Porphyry calc., mag., chl.
Altered Sandstone calc., chl.
Syenite Porphyry calc, mag., chl., py.
Altered Sandstone calc., chl., talc
Gouge
Breccia
Fractured Syenite chl., ser., py.
Syenite Tectonite chl.-ser., carb., py., ser.
Jasper Sandstone Tectonite
Gouge
Conglomeratic
Jasper Sandstone slate, fuchsite
Conglomeratic
Aplite
Gouge
Brecciated Jasper Sandstone
EOH = 700'
Altered Sandstone calc., py., chl., talc
White spots
Syenite Porphyry calc., mag., py.
Altered Sandstone
Syenite Porphyry calc., mag., py.
Altered Sandstone chl., py., talc, calc.
Gouge
Syenite Tuff?
Tectonite chl., calc., py., talc
Gouge
Altered Sandstone chl., py., talc
Quartz - carb. veining
Jasper Sandstone ser., fuchsite, py.
Fractured Syenite Porphyry calc., py.
Fractured Jasper Sandstone
fractured
Syenite Porphyry, py.
EOH = 850'
Section from 01503/69+55E Railway Grid at 323°
DDH 85-14 85-15
COLLAR 01503/69+55E 01553N/69+00E
DIP -60° -45°
AZIMUTH 323° 323°
DEPTH 850' 700'
Gold Assays (PPB)
0
50 feet


Magnetic Field (gamma)
650 650 700 900 550 600 650 700 650 700 600
20 80 40 20
Gold in Spruce Needle Duff (PPB)
DDH 85-17
RR
DDH 85-16
Cabin fault
Syenite
Altered Sandstone
Gouge
conglomerate, mudstone, syenite
Gouge
Conglomeratic?
White Spots
Gouge
Conglomeratic? Altered Sandstone talc, chl.
White Spots
Altered Sandstone chl., py, talc, calc.
Gouge
conglomeratic
mudstone pebbles
Gouge
porphyry, syenite
Gouge
Porphyry, Syenite
Jasper Sandstone Tectonite
Tectonite - chl, talc, calc. calcite veins
Syenite Porphyry mag., py., calc.
Altered Sandstone, chl., talc
Conglomeratic
Jasper Sandstone fuchsite, ser., slate
EOH = 607'
Gouge
dol. spots
Syenite Porphyry calc., mag., py.
Altered Sandstone
Syenitic
Tectonite chl., calc., py., talc
Jasper Sandstone Tectonite
Jasper Sandstone ser., py., mar.
Conglomeratic
EOH = 802'
Section from 0+50S / 72+83E Railway Grid at 323°
DDH 85-16 85-17
COLLAR 0+50S / 72+83E 0+50N / 62+39E
DIP -60° -45°
AZIMUTH 323° 323°
DEPTH 802' 607'
Gold Assays (PPB)
0 50 feet

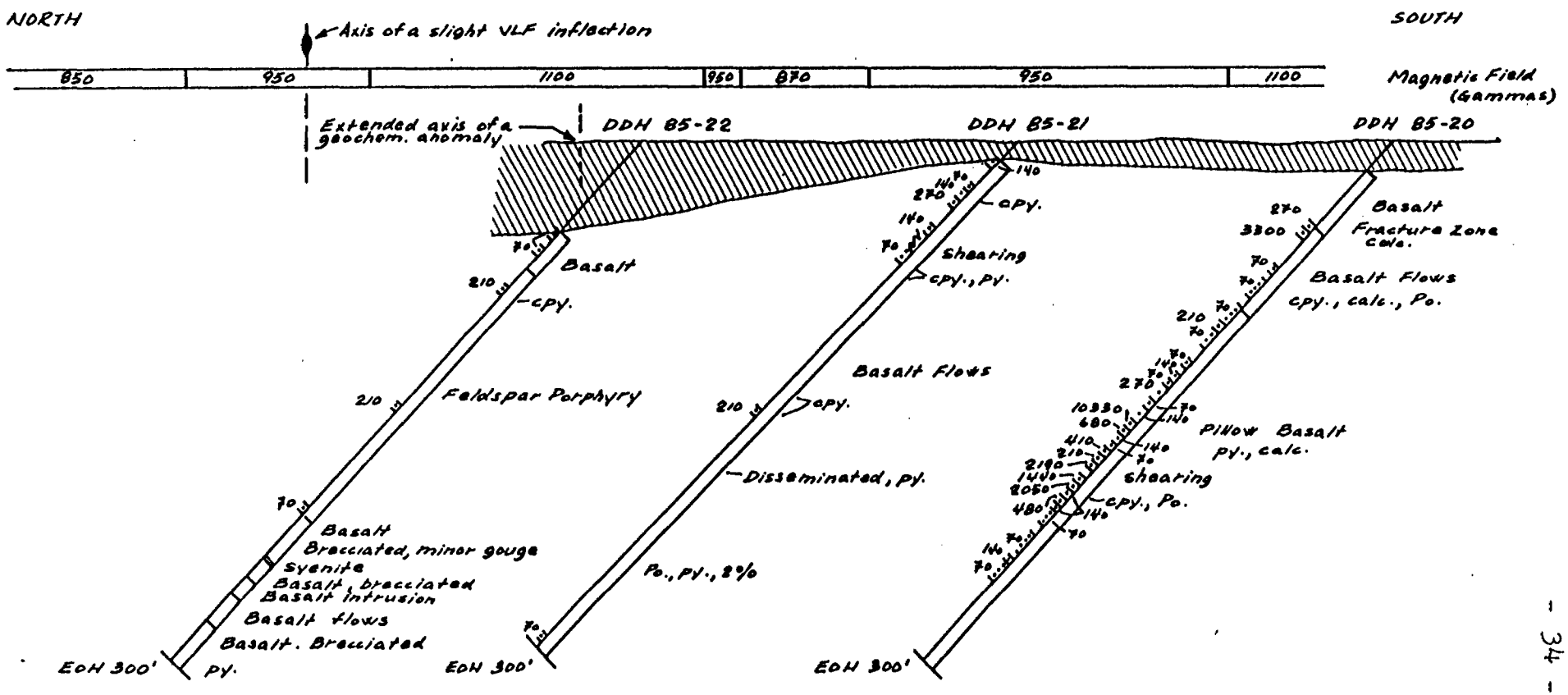

WEST
EAST
900
1000
1000
6
5
Magnetic Field (Gammas)
Gold in Spruce Needle Duff (PPB)
Intersection of topographic lineament and up-ice from B-22 with 12 pieces of gold
DDH 85-18
70
210
70
70
Basalt Flows cpy.
550
680
70
Basalt Flow Breccia
Basalt Altered Syenite
Basalt Flows and Breccia
Gouge-Quartz
Basalt Flows Calc., chlor., quartz veins
Altered Syenite
70
Basalt Flows and Flow Breccia
140
140
Pillowed Basalt cpy.
Basalt Flows Tectonic Breccia
Basalt Flows
820
410
890
210
210
Tectonic Breccia Po., cpy.
Mylonite
Feldspar Porphyry
EOH 500'
Section from 0+20W/17+50N
I.P. Grid at 302°
DDH 85-18
Collar 0+20W/17+50N
Dip -45°
Azimuth 302°
Depth 500'
Gold Assays (PPB) 1-210
0
50 feet



Section from 0+10W/16+50N
I.P. Grid at 302°

DDH	85-19
Collar	0+10W/16+50N
Dip	-45°
Azimuth	302°
Depth	357'
Gold Assays (PPB)	210

0 50 feet

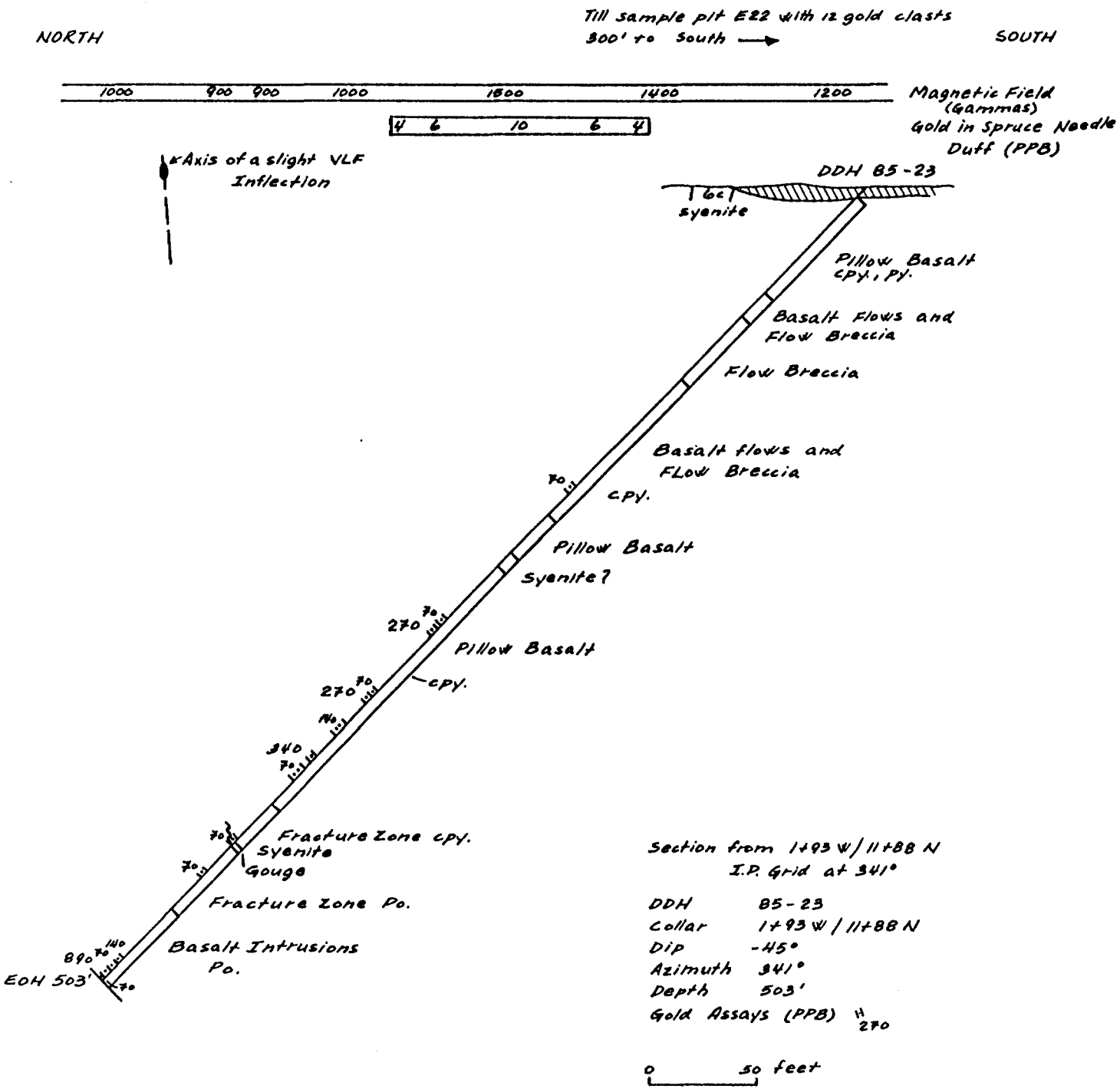


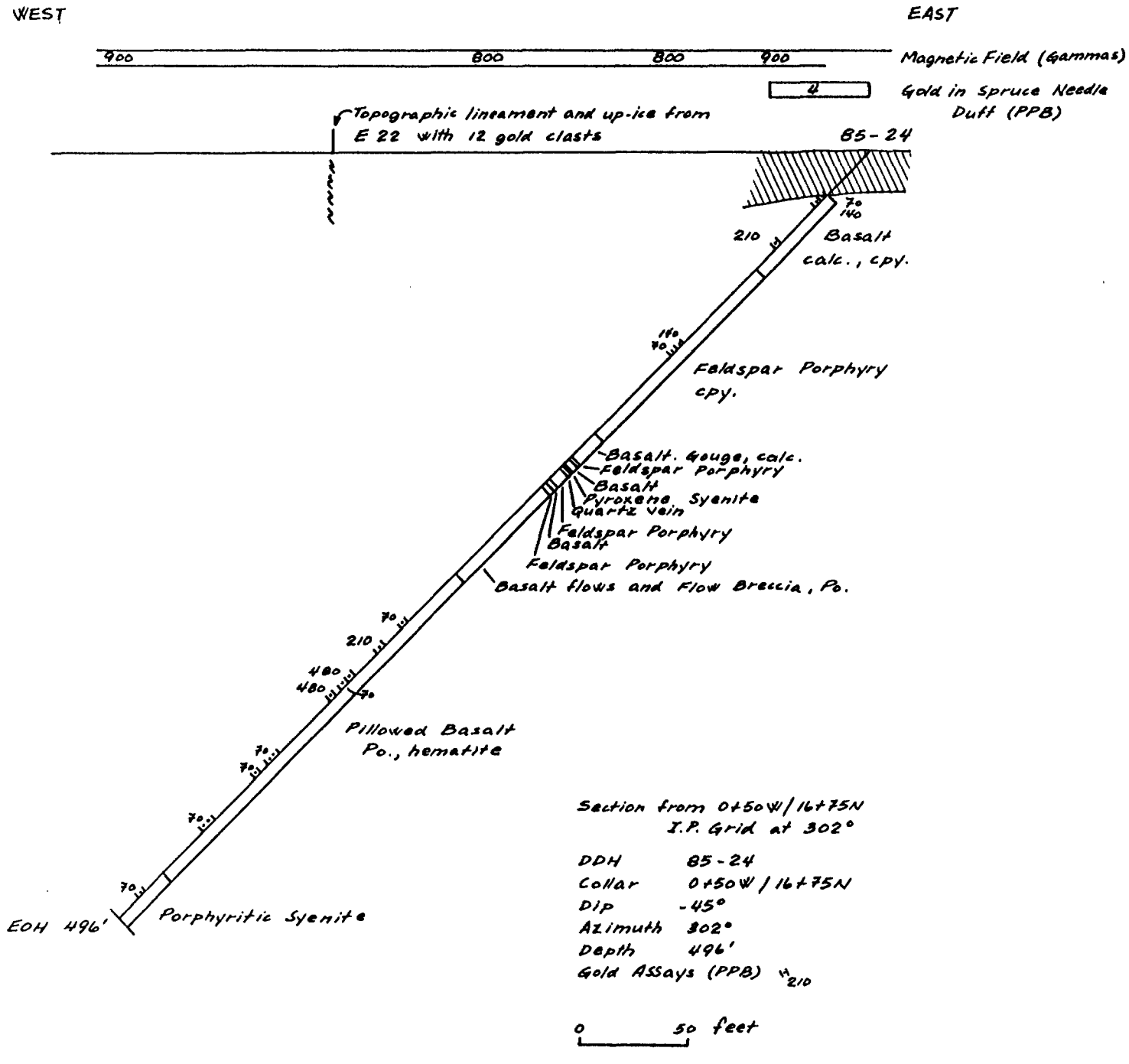
Section from 0+20 W / 12+17 N I.P. Grid at 334°

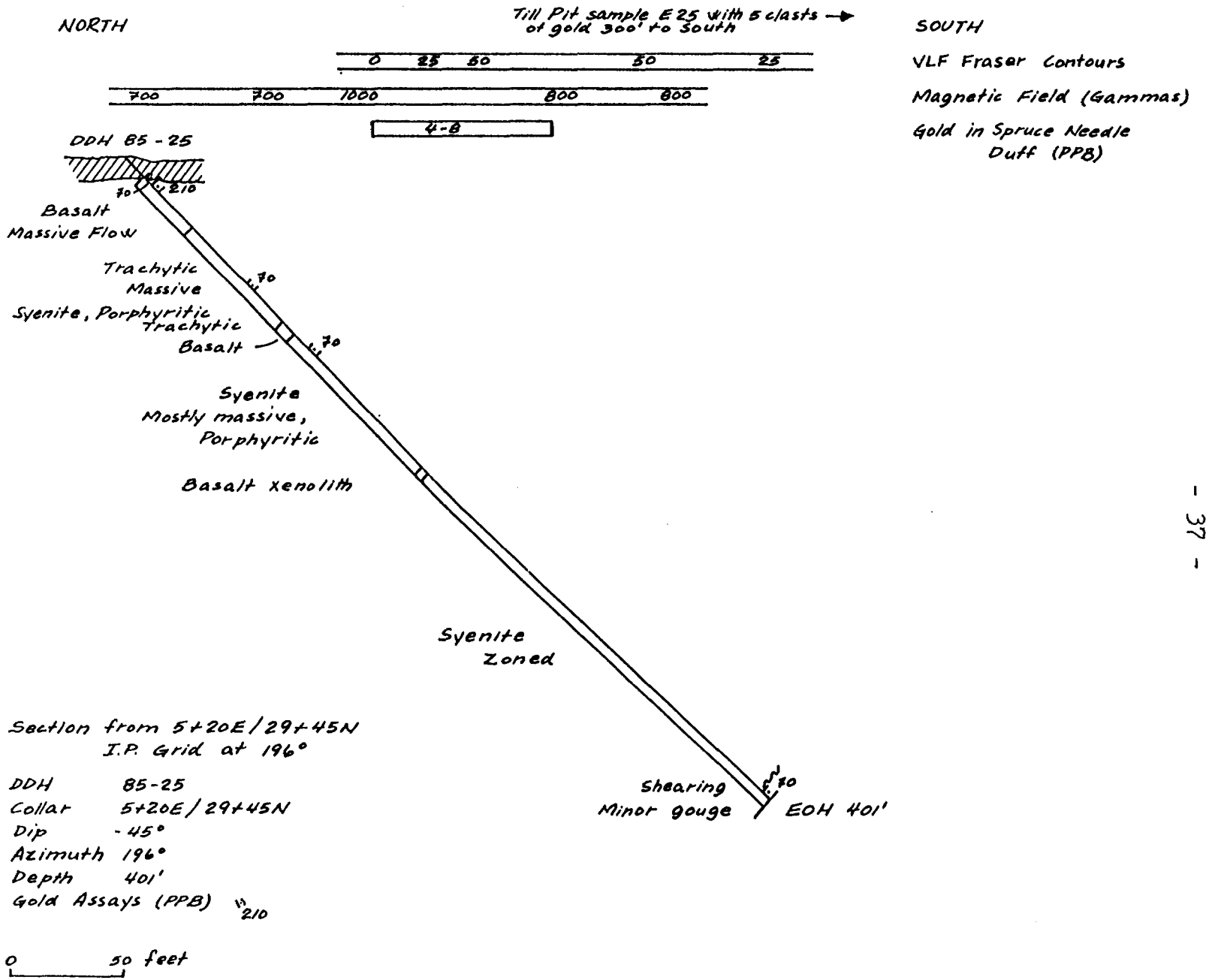
DDH	85-20	85-21	85-22
Collar	0+20W/12+17N	1+20W/13+62N	1+92W/15+02N
Dip	-45°	-45°	-45°
Azimuth	334°	333°	334°
Depth	300'	300'	300'

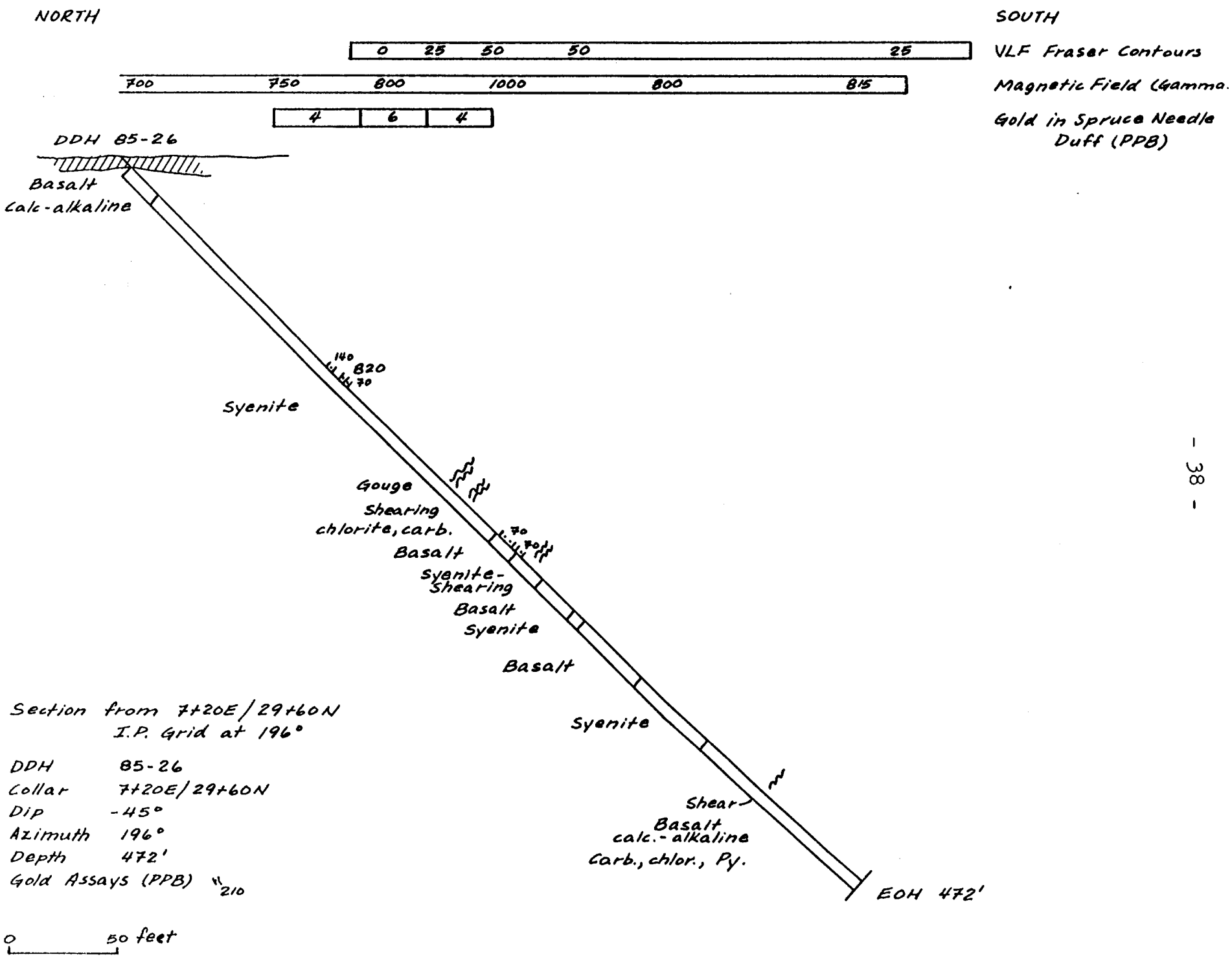
Gold Assays (PPB) = 210

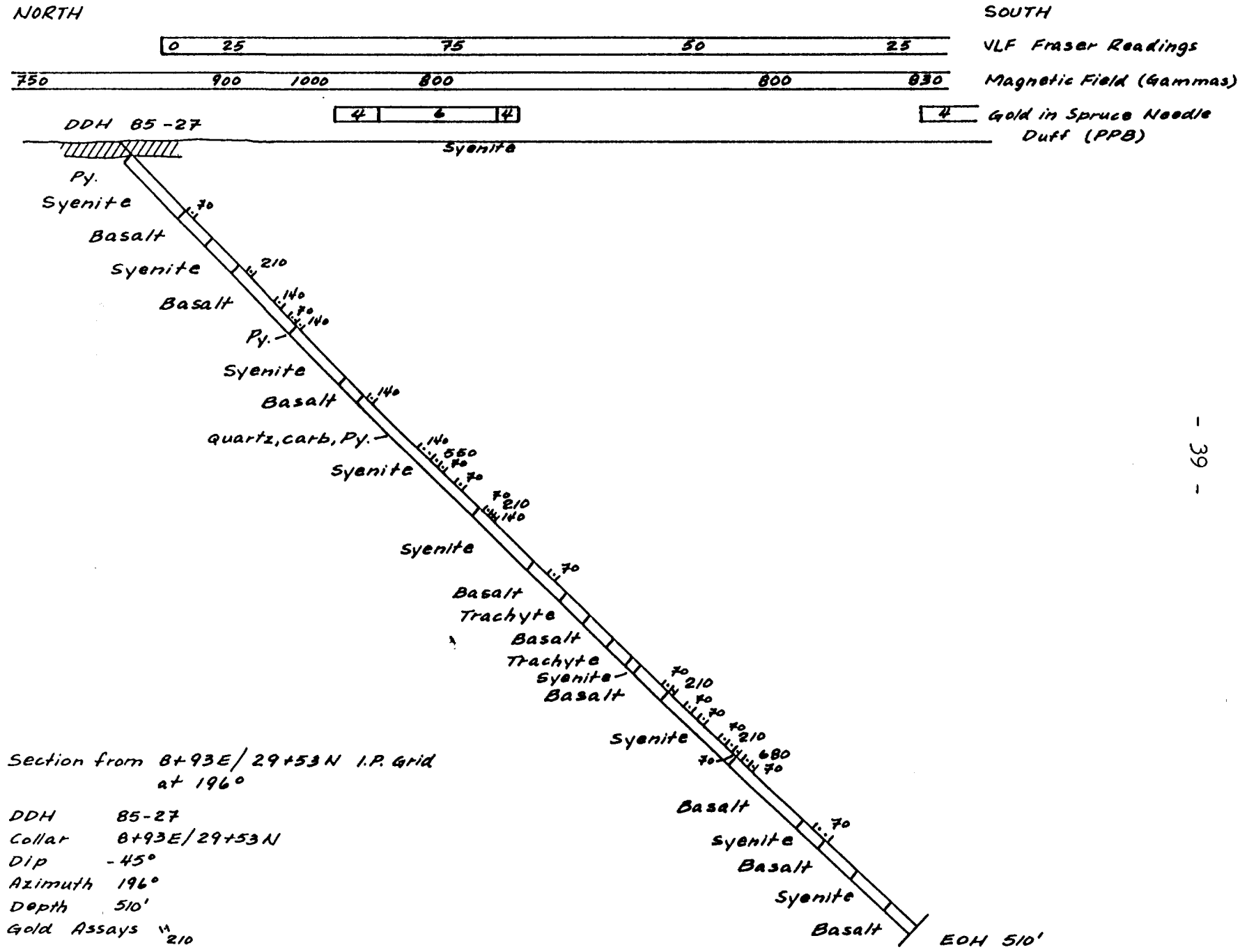
0 ——— 50 feet

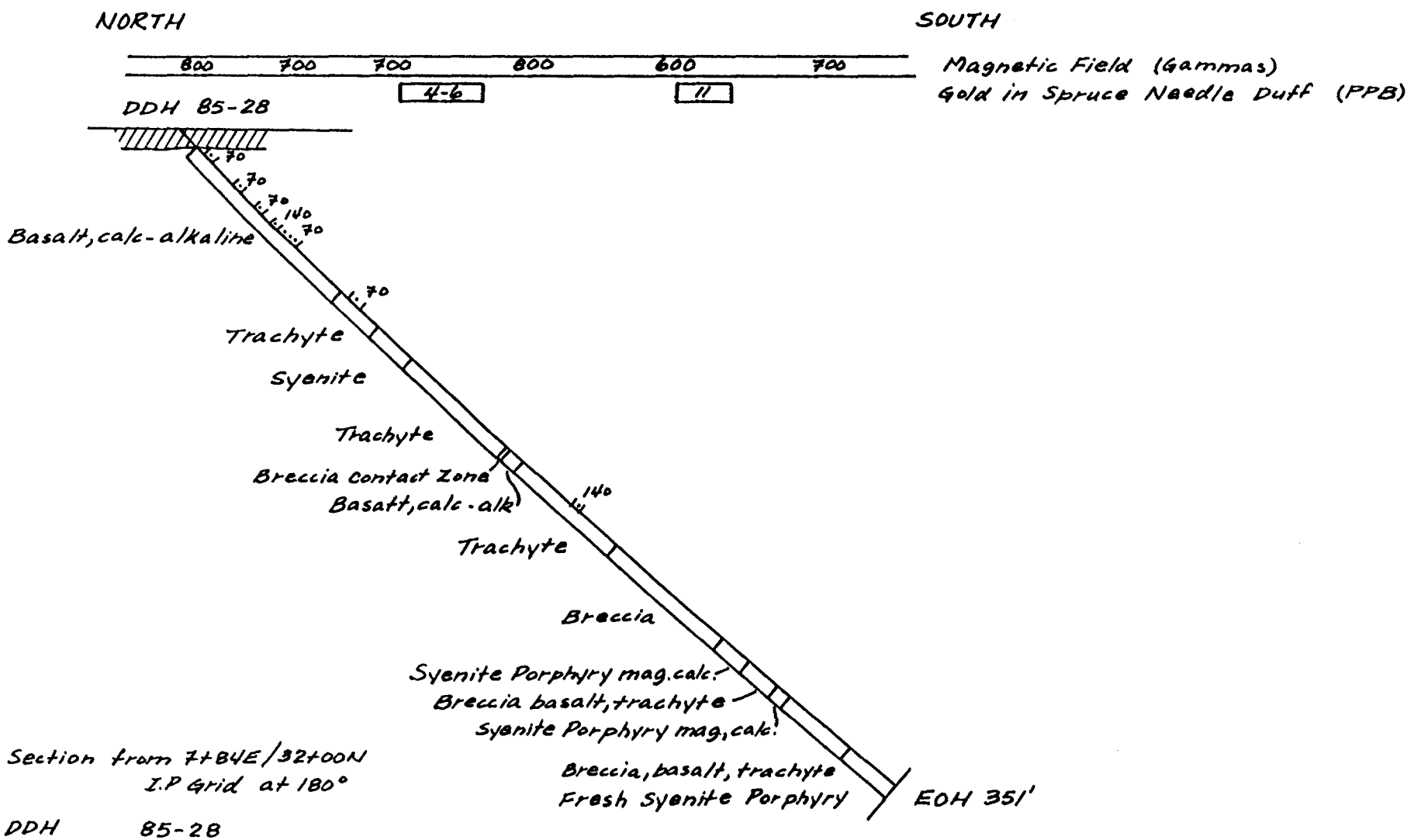

NORTH
Till sample pit E22 with 12 gold clasts 300' to South →
SOUTH
1000 900 900 1000 1800 1400 1200
Magnetic Field (Gammas)
4 6 10 6 4
Gold in Spruce Needle Duff (PPB)
Axis of a slight VLF Inflection
DDH 85-23
Gc
Syenite
Pillow Basalt cpy., py.
Basalt Flows and Flow Breccia
Flow Breccia
Basalt flows and FLow Breccia
cpy.
Pillow Basalt
Syenite?
270
Pillow Basalt
cpy.
270
No
340
Fracture Zone cpy.
Syenite
Gouge
Fracture Zone Po.
Basalt Intrusions
Po.
890
140
EOH 503'
Section from 1+93 W / 11+88 N
I.P. Grid at 341°
DDH 85-23
Collar 1+93 W / 11+88 N
Dip -45°
Azimuth 341°
Depth 503'
Gold Assays (PPB) H 270
0 50 feet


WEST
EAST
900
800
800
900
Magnetic Field (Gammas)
4
Gold in Spruce Needle Duff (PPB)
Topographic lineament and up-ice from E 22 with 12 gold clasts
85-24
70
140
210
Basalt calc., cpy.
160
70
Feldspar Porphyry cpy.
Basalt. Gouge, calc.
Feldspar Porphyry
Basalt
Pyroxene Syenite
Quartz vein
Feldspar Porphyry
Basalt
Feldspar Porphyry
Basalt flows and Flow Breccia, Po.
70
210
480
480
70
Pillowed Basalt Po., hematite
70
70
70
70
EOH 496'
Porphyritic Syenite
Section from 0+50W/16+75N
I.P. Grid at 302°
DDH 85-24
Collar 0+50W/16+75N
Dip -45°
Azimuth 302°
Depth 496'
Gold Assays (PPB) 4 210
0
50 feet


NORTH
Till Pit sample E 25 with 5 clasts of gold 300' to South
SOUTH
0 25 50 50 25
700 700 1000 800 800
4-B
VLF Fraser Contours
Magnetic Field (Gammas)
Gold in Spruce Needle Duff (PPB)
DDH 85-25
70
210
Basalt
Massive Flow
Trachytic
Massive
Syenite, Porphyritic
Trachytic
Basalt
70
70
Syenite
Mostly massive,
Porphyritic
Basalt xenolith
Syenite
Zoned
Shearing
Minor gouge
70
EOH 401'
Section from 5+20E/29+45N
I.P. Grid at 196°
DDH 85-25
Collar 5+20E/29+45N
Dip -45°
Azimuth 196°
Depth 401'
Gold Assays (PPB)
210
0 50 feet


NORTH
SOUTH
0 25 50 50 25
VLF Fraser Contours
700 750 800 1000 800 815
Magnetic Field (Gamma.
4 6 4
Gold in Spruce Needle Duff (PPB)
DDH 85-26
Basalt
Calc-alkaline
140
B20
70
Syenite
Gouge
Shearing
chlorite, carb.
70
70
Basalt
Syenite-
Shearing
Basalt
Syenite
Basalt
Syenite
Shear
Basalt
calc.-alkaline
Carb., chlor., Py.
EOH 472'
Section from 7+20E/29+60N
I.P. Grid at 196°
DDH 85-26
Collar 7+20E/29+60N
Dip -45°
Azimuth 196°
Depth 472'
Gold Assays (PPB) 11 210
0 50 feet

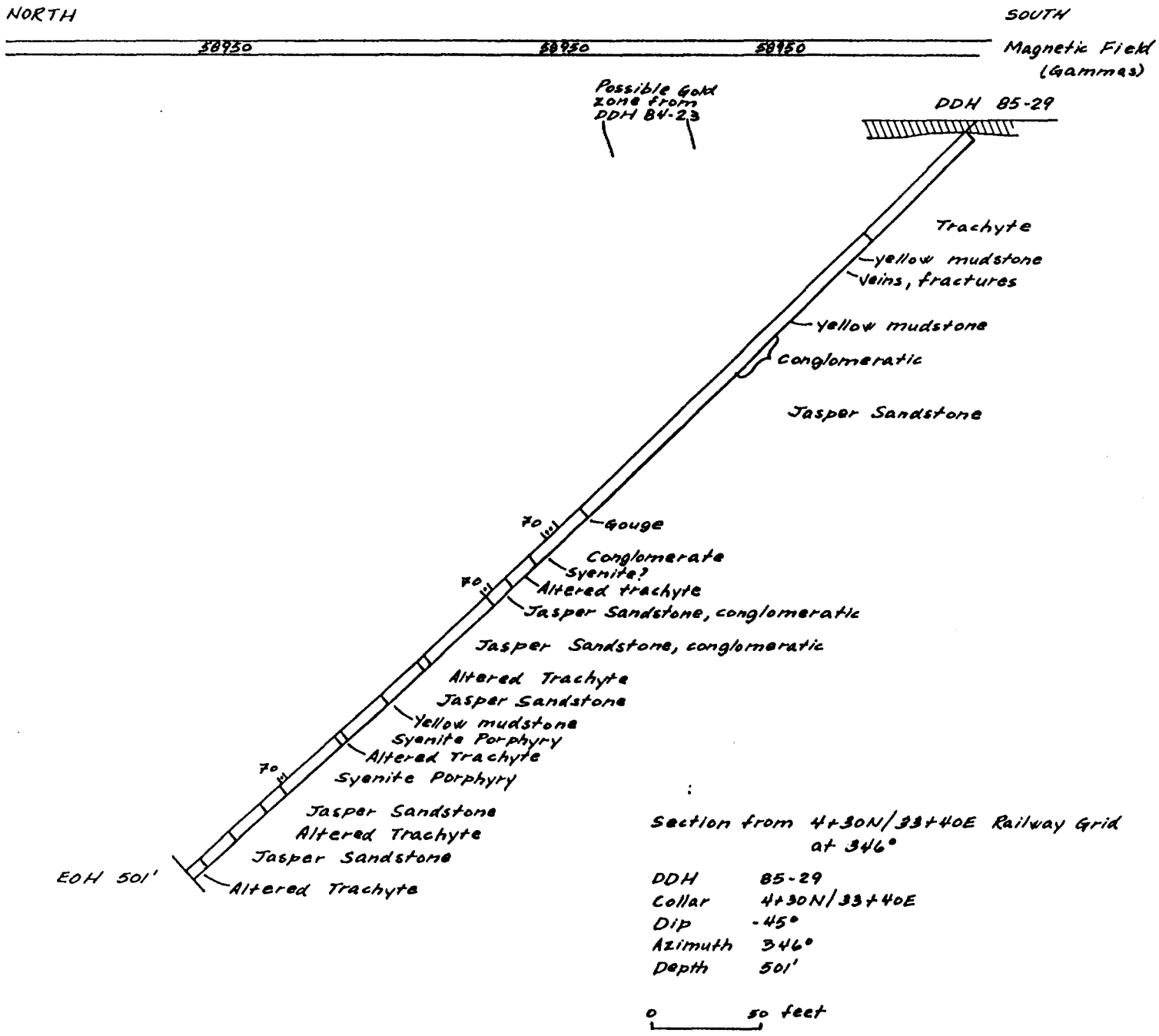

NORTH
SOUTH
0 25 75 50 25
VLF Fraser Readings
750 900 1000 800 800 830
Magnetic Field (Gammas)
4 6 4
4
Gold in Spruce Needle Duff (PPB)
DDH 85-27
Syenite
Py.
Syenite
Basalt
Syenite
Basalt
Py.
Syenite
Basalt
Quartz, carb, Py.
Syenite
Syenite
Basalt
Trachyte
Basalt
Trachyte
Syenite
Basalt
Syenite
Basalt
Syenite
Basalt
EOH 510'
70
210
140
560
680
Section from 8+93E/29+53N I.P. Grid at 196°
DDH 85-27
Collar 8+93E/29+53N
Dip -45°
Azimuth 196°
Depth 510'
Gold Assays 1" 210
0 50 feet

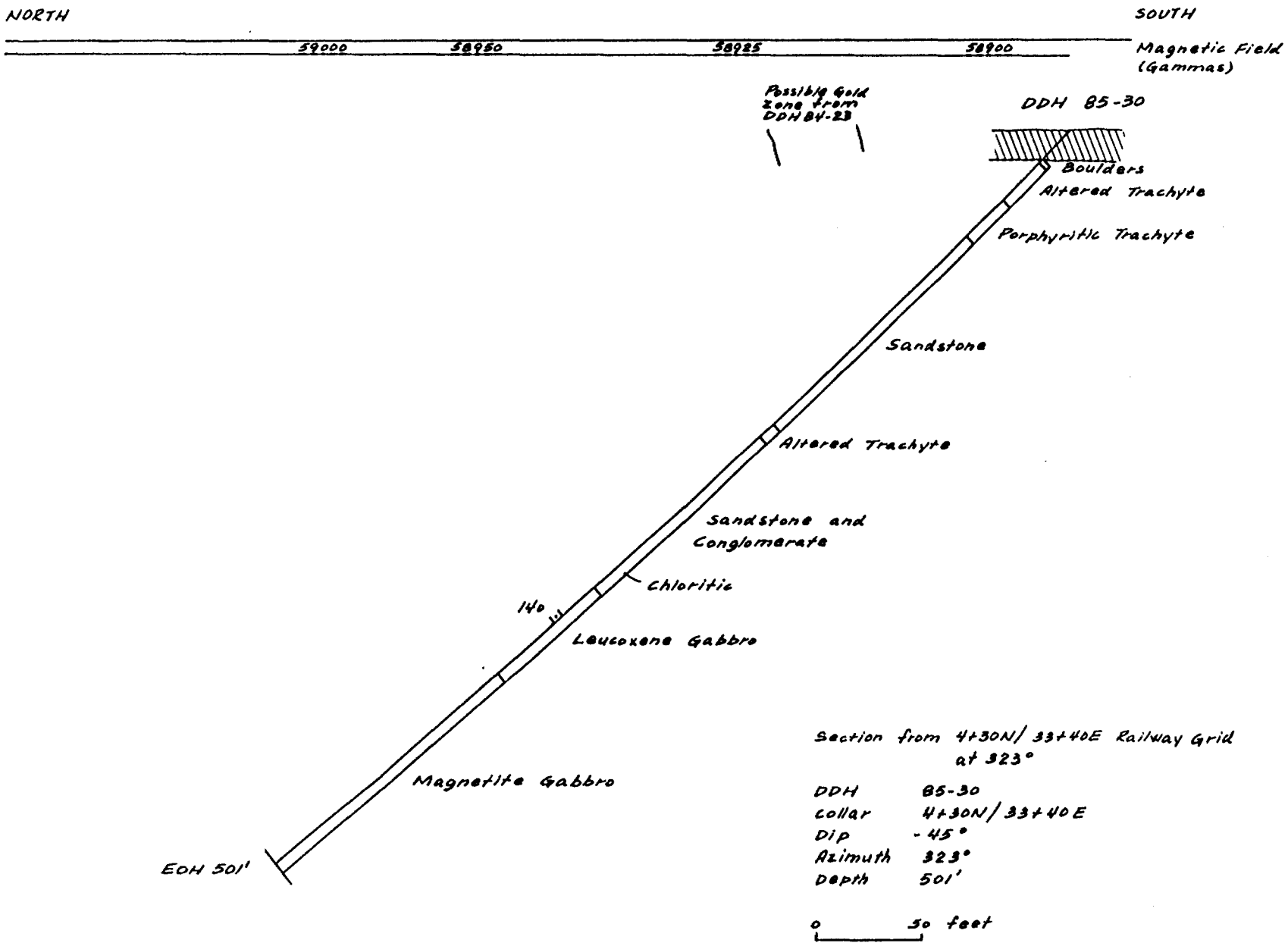


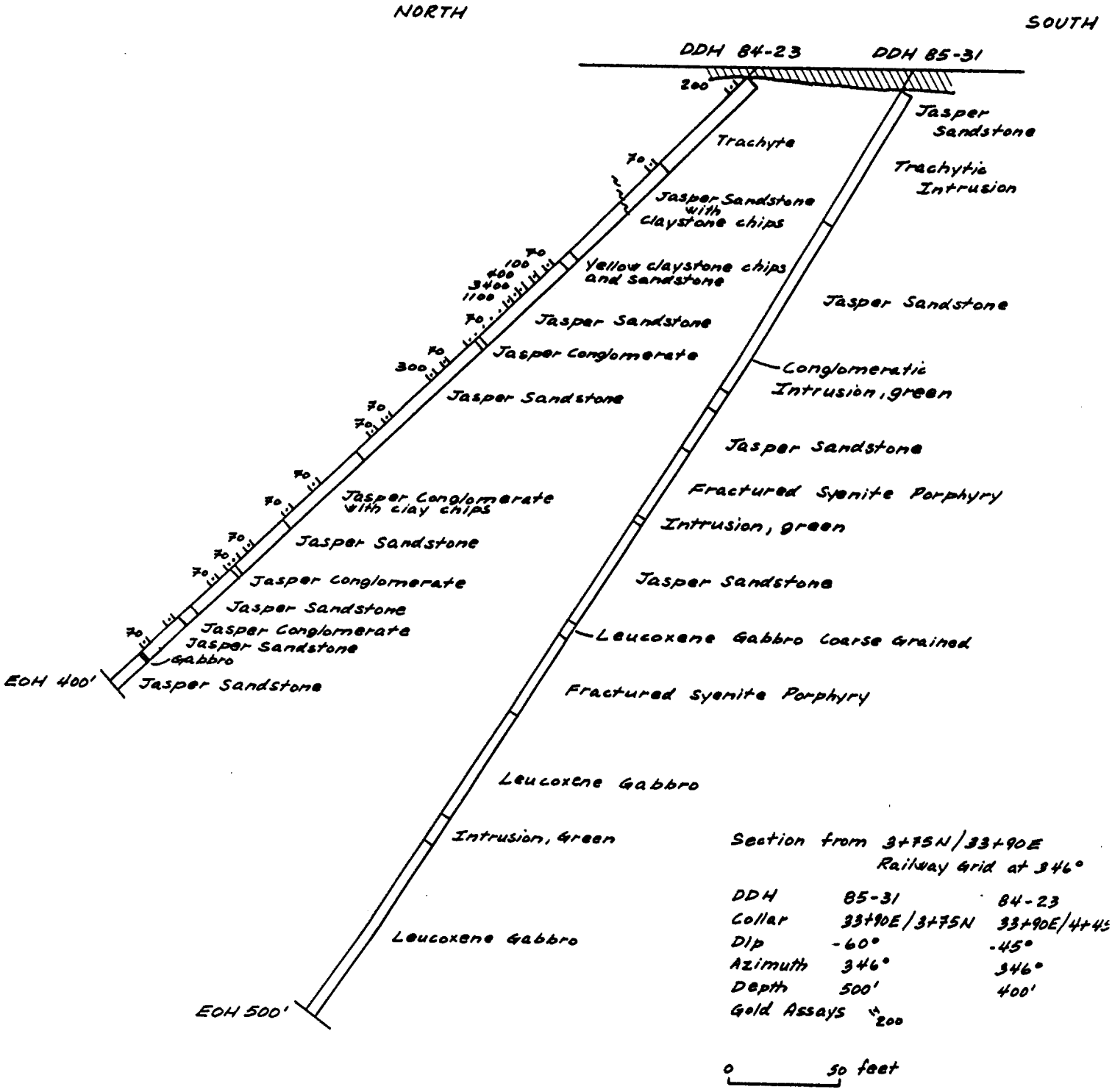
Section from 7+84E/32+00N
I.P Grid at 180°

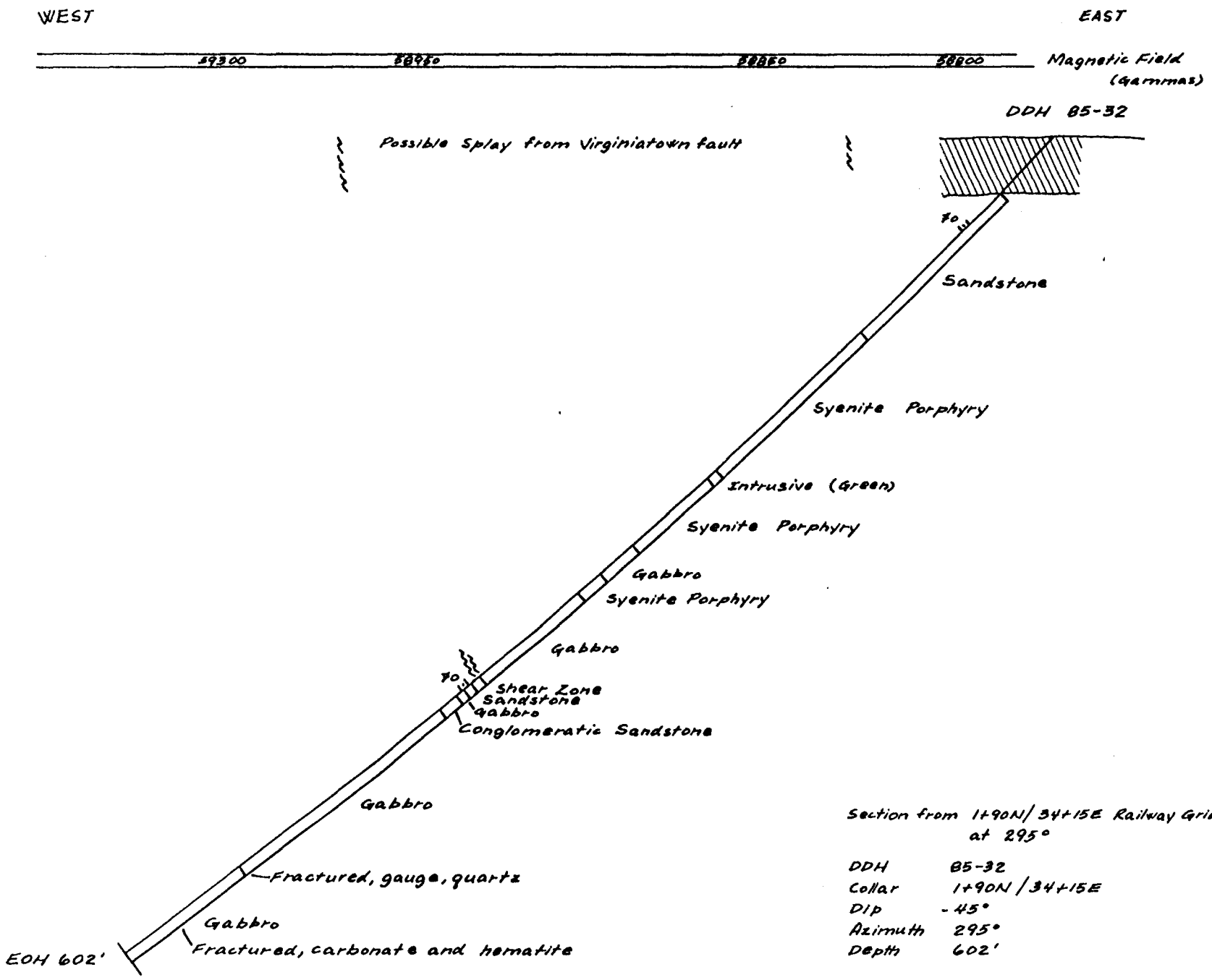
DDH	85-28
Collar	7+84E/32+00N
Dip	-45°
Azimuth	180°
Depth	351'
Gold Assays (PPB)	11 210

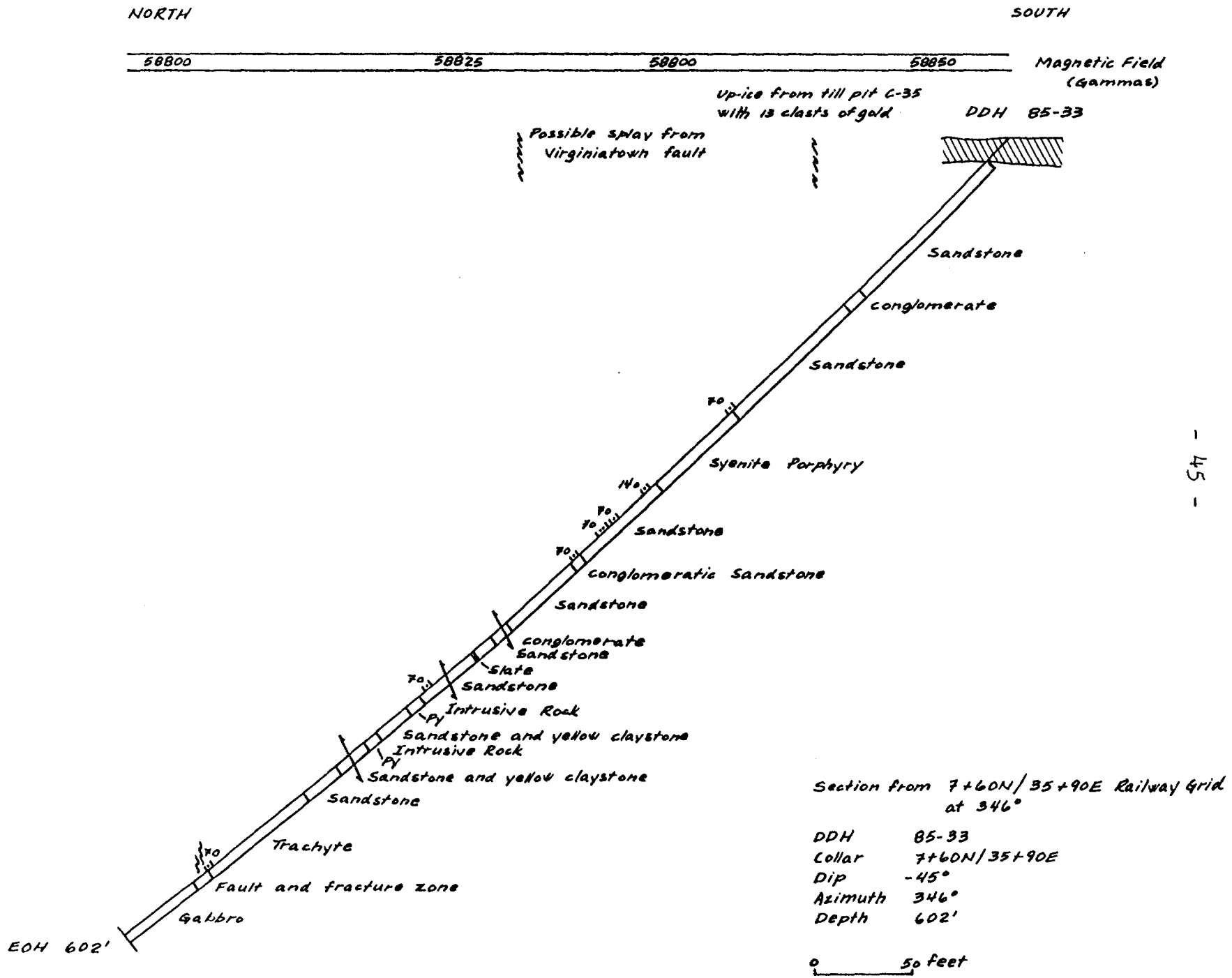
0 50 feet

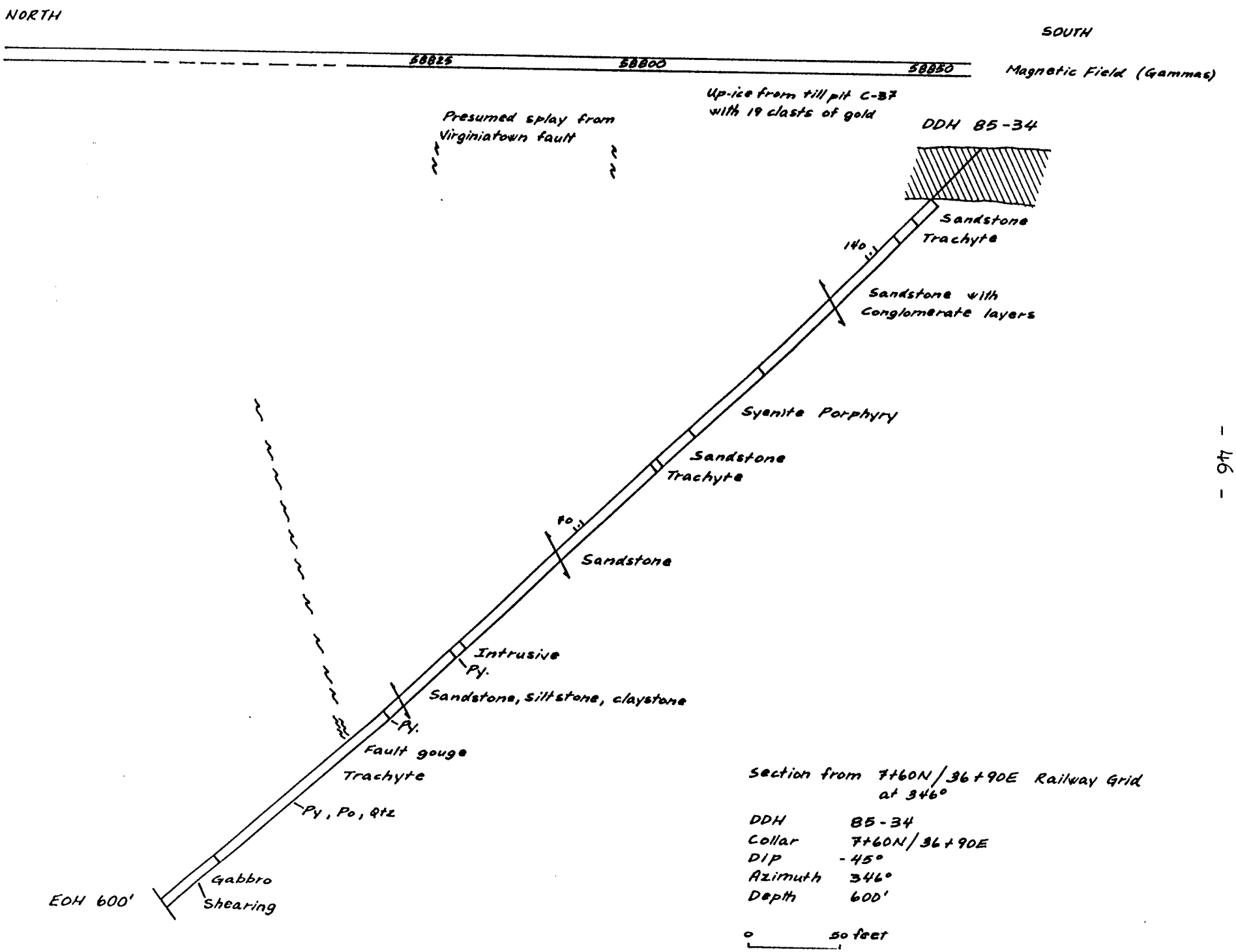

NORTH
SOUTH
58950
58950
58950
Magnetic Field
(Gammas)
Possible Gold zone from DDH 84-23
DDH 85-29
Trachyte
yellow mudstone
Veins, fractures
yellow mudstone
Conglomeratic
Jasper Sandstone
70
Gouge
Conglomerate
Syenite?
70
Altered trachyte
Jasper Sandstone, conglomeratic
Jasper Sandstone, conglomeratic
Altered Trachyte
Jasper Sandstone
Yellow mudstone
Syenite Porphyry
Altered Trachyte
70
Syenite Porphyry
Jasper Sandstone
Altered Trachyte
Jasper Sandstone
EOH 501'
Altered Trachyte
Section from 4+30N/33+40E Railway Grid
at 346°
DDH 85-29
Collar 4+30N/33+40E
Dip -45°
Azimuth 346°
Depth 501'
0
50 feet

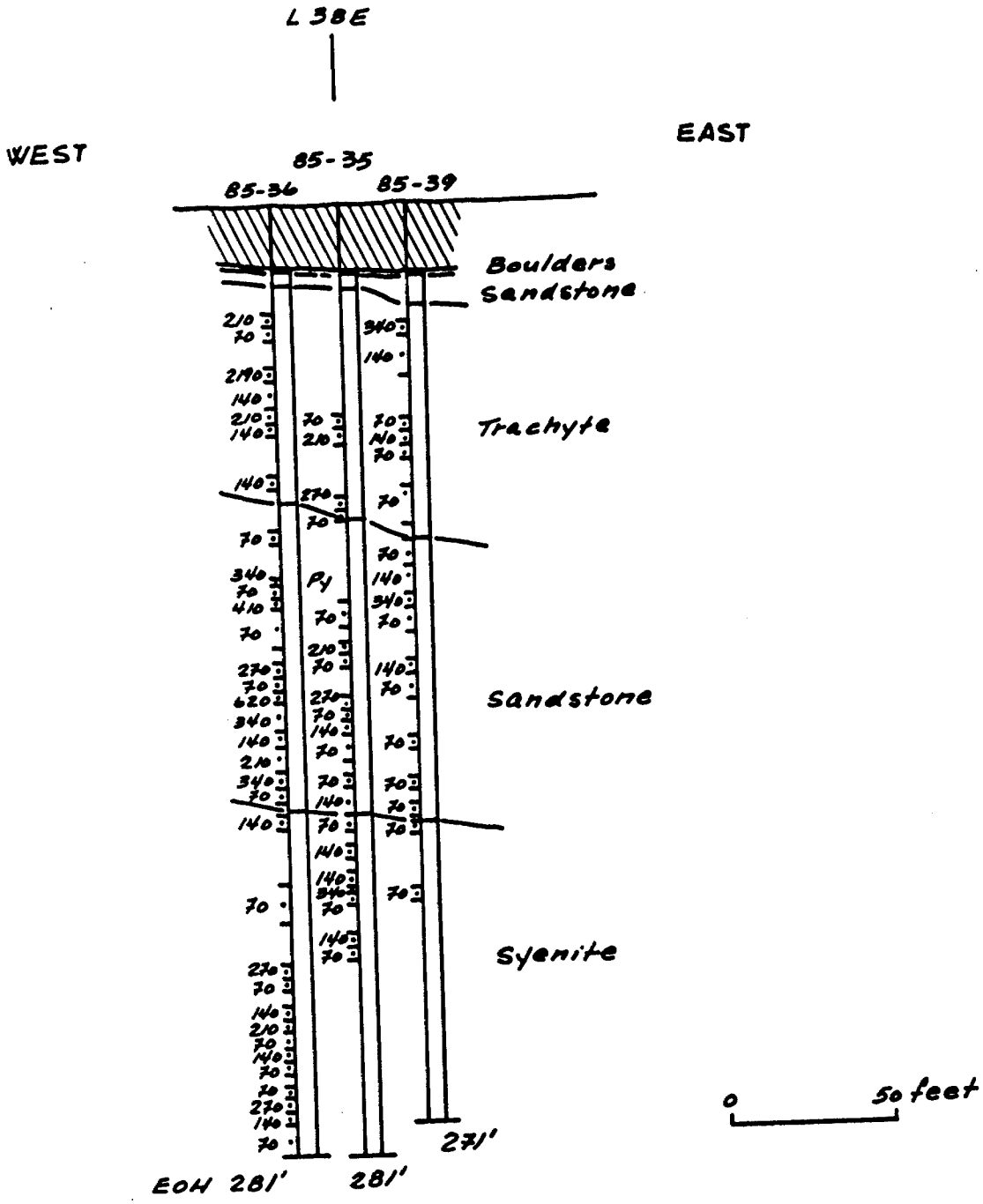

NORTH
SOUTH
59000
58950
58925
58900
Magnetic Field (Gammas)
Possible Gold zone from DDH 84-23
DDH 85-30
Boulders
Altered Trachyte
Porphyritic Trachyte
Sandstone
Altered Trachyte
Sandstone and Conglomerate
Chloritic
140
Leucoxene Gabbro
Magnetite Gabbro
EOH 501'
Section from 4+30N/ 33+40E Railway Grid at 323°
DDH 85-30
collar 4+30N/ 33+40E
Dip -45°
Azimuth 323°
Depth 501'
0
50 feet


NORTH
SOUTH
DDH 84-23
DDH 85-31
200
Jasper Sandstone
Trachyte
Trachytic Intrusion
70
Jasper Sandstone with claystone chips
70
100
400
3400
1100
Yellow claystone chips and sandstone
Jasper Sandstone
70
Jasper Conglomerate
Jasper Sandstone
Conglomeratic Intrusion, green
300
70
70
Jasper Sandstone
70
70
Jasper Conglomerate with clay chips
Fractured Syenite Porphyry
Intrusion, green
70
Jasper Sandstone
70
70
Jasper Conglomerate
Jasper Sandstone
70
Jasper Conglomerate
Jasper Sandstone
Leucoxene Gabbro Coarse Grained
Gabbro
EOH 400'
Jasper Sandstone
Fractured Syenite Porphyry
Leucoxene Gabbro
Intrusion, Green
Leucoxene Gabbro
EOH 500'
Section from 3+75N/33+90E
Railway Grid at 346°
DDH 85-31 84-23
Collar 33+90E/3+75N 33+90E/4+45
Dip -60° -45°
Azimuth 346° 346°
Depth 500' 400'
Gold Assays <200
0 50 feet


WEST
EAST
59300
58950
58850
58800
Magnetic Field (Gammas)
DDH 85-32
Possible Splay from Virginiatown fault
70
Sandstone
Syenite Porphyry
Intrusive (Green)
Syenite Porphyry
Gabbro
Syenite Porphyry
Gabbro
70
Shear Zone
Sandstone
Gabbro
Conglomeratic Sandstone
Gabbro
Fractured, gauge, quartz
Gabbro
Fractured, carbonate and hematite
EOH 602'
Section from 1+90N/34+15E Railway Grid at 295°
DDH 85-32
Collar 1+90N/34+15E
Dip -45°
Azimuth 295°
Depth 602'
0
50 feet

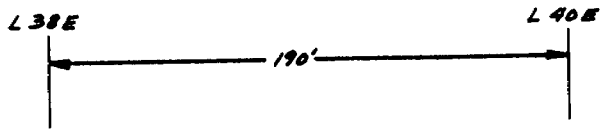

NORTH
SOUTH
58800
58825
58800
58850
Magnetic Field (Gammas)
Up-ice from till pit C-35 with 13 clasts of gold
DDH 85-33
Possible splay from Virginiatown fault
Sandstone
conglomerate
Sandstone
70
Syenite Porphyry
140
70
70
Sandstone
70
conglomeratic Sandstone
Sandstone
conglomerate
Sandstone
Slate
70
Sandstone
Py
Intrusive Rock
Sandstone and yellow claystone
Intrusive Rock
Py
Sandstone and yellow claystone
Sandstone
70
Trachyte
Fault and fracture zone
Gabbro
EOH 602'
Section from 7+60N/35+90E Railway Grid at 346°
DDH 85-33
Collar 7+60N/35+90E
Dip -45°
Azimuth 346°
Depth 602'
0
50 feet

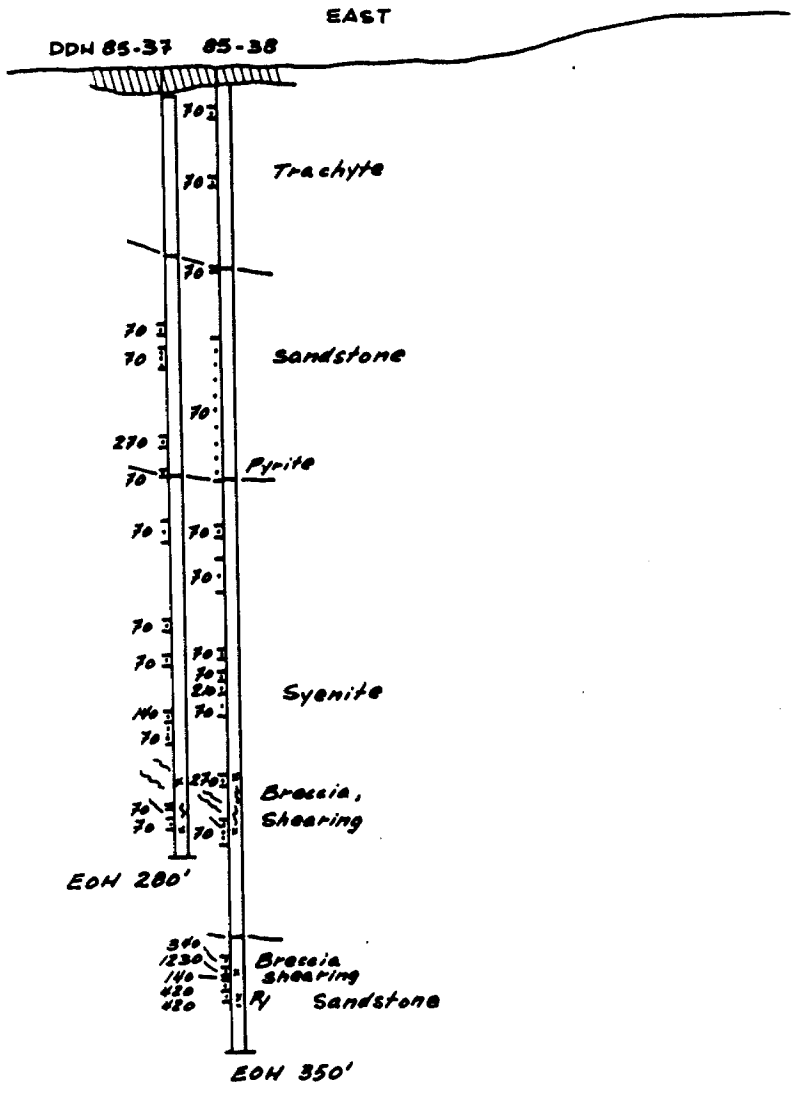

NORTH
SOUTH
58825
58800
58850
Magnetic Field (Gammas)
Up-ice from till pit C-37
with 19 clasts of gold
Presumed splay from
Virginiatown fault
DDH 85-34
Sandstone
Trachyte
140 f.t.
Sandstone with
Conglomerate layers
Syenite Porphyry
Sandstone
Trachyte
40 f.t.
Sandstone
Intrusive
Py.
Sandstone, siltstone, claystone
Py.
Fault gouge
Trachyte
Py, Po, Qtz
Gabbro
Shearing
EOH 600'
Section from 7+60N/36+90E Railway Grid
at 346°
DDH 85-34
Collar 7+60N/36+90E
Dip -45°
Azimuth 346°
Depth 600'
0
50 feet



Section at 0+61N RR Grid

DDH	85-35	85-36	85-39
Collar	38+00E/0+61N	37+80E/0+61N	38+20E/0+61N
Dip	-90°	-90°	-90°
Azimuth	-	-	-
Depth	281'	281'	271'

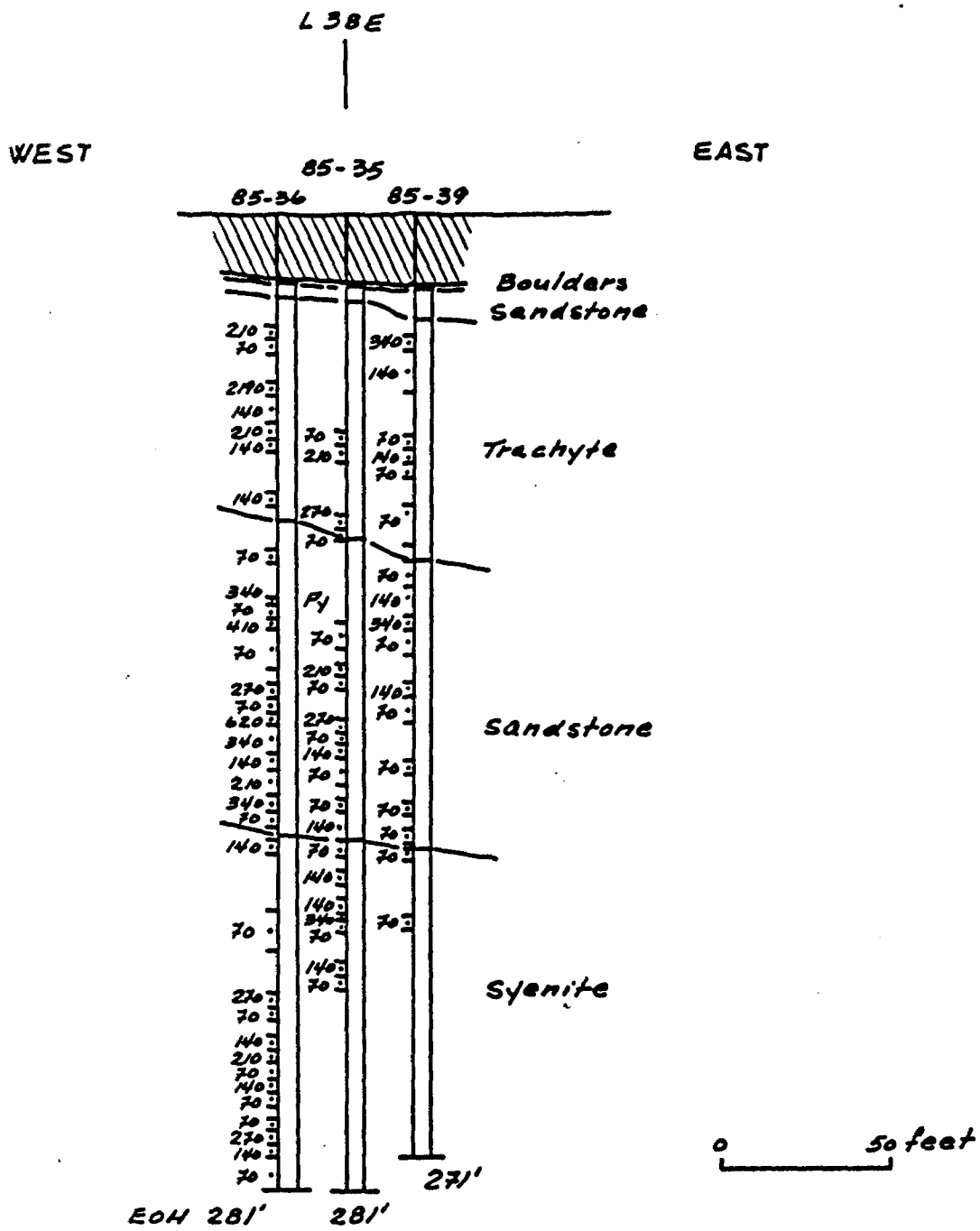




Section at 0+81N RR Grid

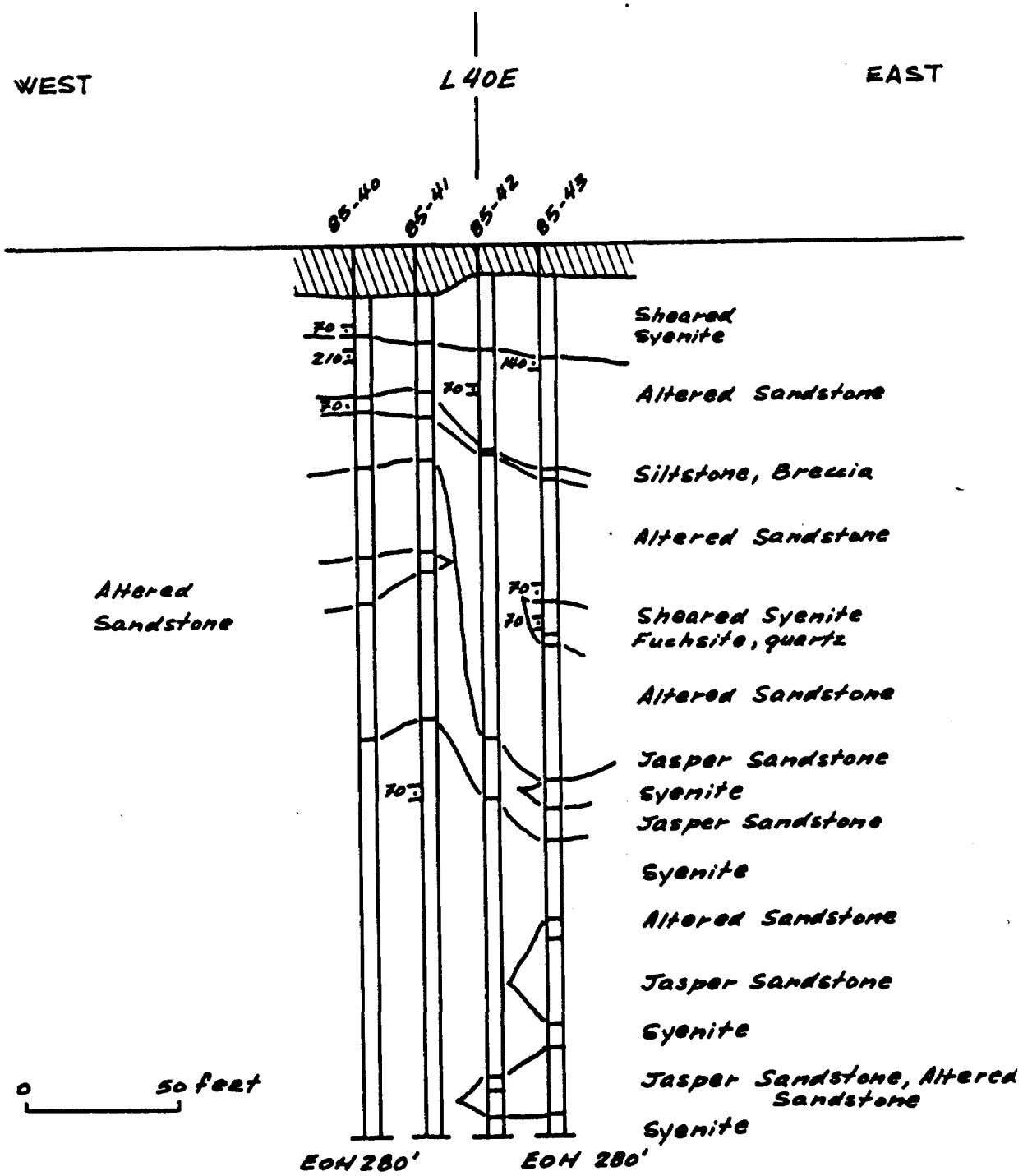
DDH	85-37	85-38
Collar	38+00E/0+81N	38+20E/0+81N
Dip	-90°	-90°
Azimuth	-	-
Depth	280'	350'

0 ——— 50 feet



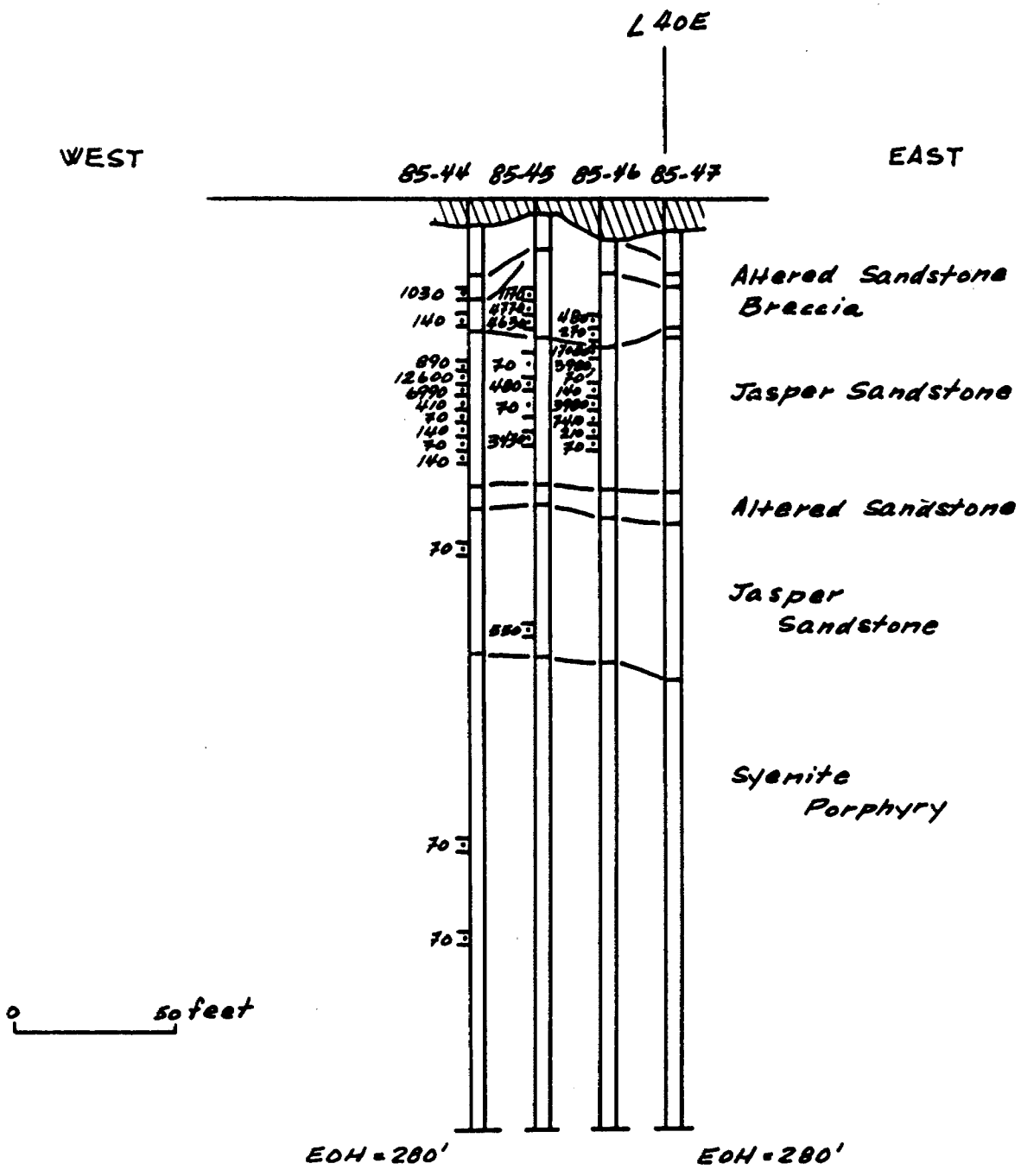
Section at 0+61N RR Grid

DDH	85-35	85-36	85-39
Collar	38+00E/0+61N	37+80E/0+61N	38+20E/0+61N
Dip	-90°	-90°	-90°
Azimuth	-	-	-
Depth	281'	281'	271'



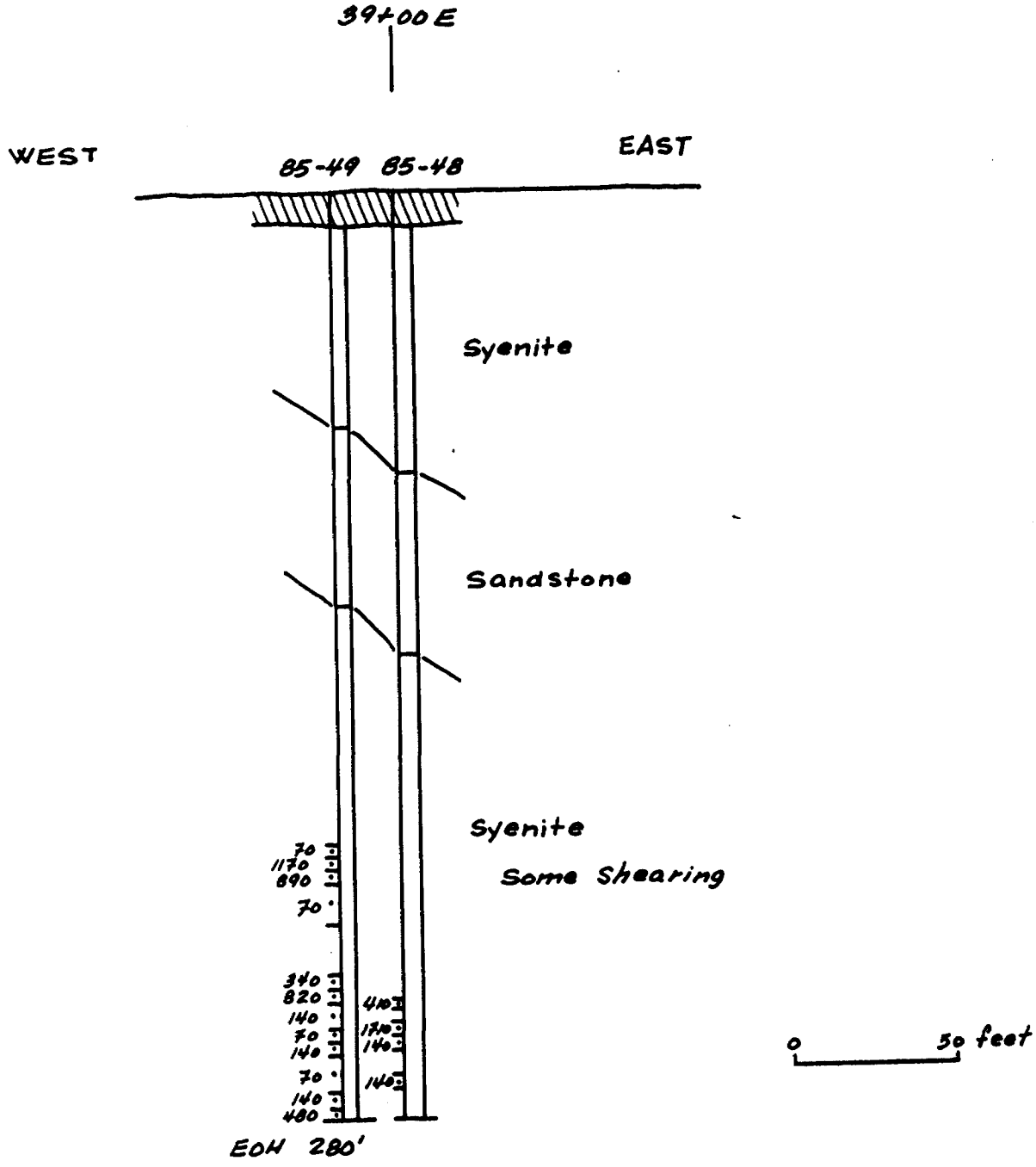
Section at 0+61N RR Grid

DDH	85-40	85-41	85-42	85-43
Collar	39+60E/0+61N	39+80E/0+61N	40+00E/0+61N	40+20E/0+61N
Dip	-90°	-90°	-90°	-90°
Azimuth	-	-	-	-
Depth	280'	280'	280'	280'



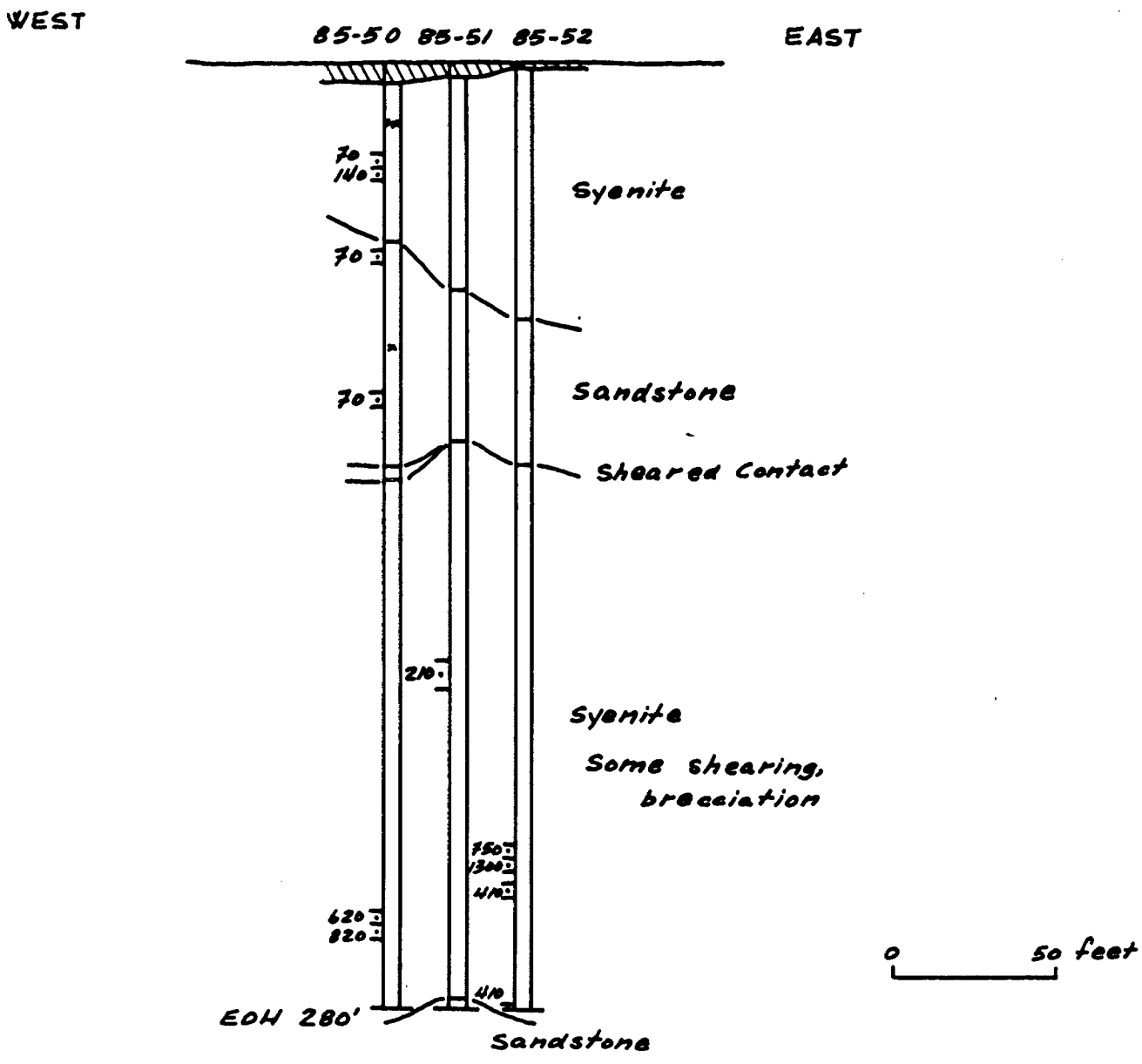
Section at 0+81N RR Grid

DDH	85-44	85-45	85-46	85-47
Collar	39+40E/0+81N	39+60E/0+81N	39+80E/0+81N	40+00E/0+81N
Dip	-90°	-90°	-90°	-90°
Azimuth	-	-	-	-
Depth	280'	280'	280'	280'



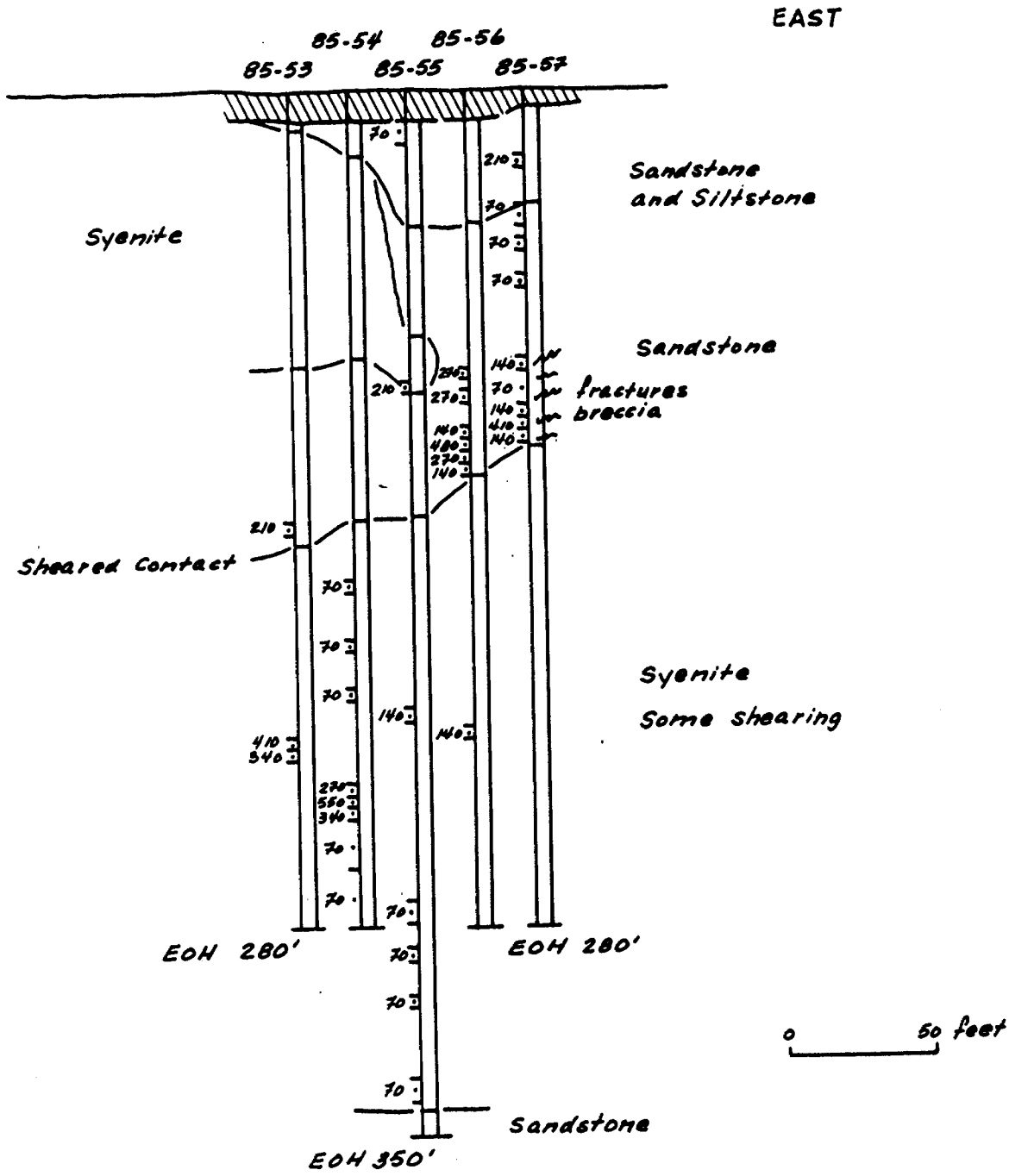
Section at 1+21N RR Grid

DDH	85-48	85-49
Collar	39+00E / 1+21N	38+80E / 1+21N
Dip	-90°	-90°
Azimuth	-	-
Depth	280'	280'



Section at 1+41N RR Grid

DDH	85-50	85-51	85-52
Collar	38+80E/1+41N	39+00E/1+41N	39+20E/1+41N
Dip	-90°	-90°	-90°
Azimuth	-	-	-
Depth	280'	280'	280'



Section at 1+01 N RR Grid

DDH	85-53	85-54	85-55	85-56	85-57
Collar	38+80E/1+01N	39+00E/1+01N	39+20E/1+01N	39+40/1+01N	39+60E/1+01N
Dip	-90°	-90°	-90°	-90°	-90°
Azimuth	-	-	-	-	-
Depth	280'	280'	350'	280'	280'

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

Hole No. 85-1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: AUG. 17, 1985
DATE COMPLETED: AUG. 19, 1985
DATE LOGGED: Sept. 20, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 41+75 W / 2+50 S; Instant Pond Grid
TRUE BEARING: 190 deg.
TOTAL FOOTAGE 353.00
CLAIM NUMBER: L 721136
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 44 @ 185; 43 @ 353
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	4.00	Casing				
4.00	76.50	Altered Diorite	Grey-green, medium-grained, slightly calcareous. Mafic minerals are chloritized. Non-magnetic.		70	32-36
			8-9 Quartz-carbonate vein, fractured, broken-up leucoxene, mylonitic.			
			12, 12.5, 17-18, 25 Quartz-carbonate-serpentine vein. Fracturing.			
			8-31 Crystals are less well-defined and anhedral. Cataclastic texture?			
			Large chloritic pyroxenes, pyrite 1-2%. Carbonate filled fractures are common usually at 50, 0, 80 deg.. Fairly uniform below 31, massive.	50,0, 80		
			47.5-48.5 Fracturing.			
			60 1/2" quartz vein.			
			63 Olive green band, 2-3", silicified, mylonite? Oriented at 52 deg.	52		
			66 Chloritic, talcose fractures at 42 deg..	42		
76.50	80.50	Breccia	Olive green, very silicic, fine-grained matrix with quartz-chlorite. Rounded quartz grains up to 1". Pyrite, pyrrhotite, tr. chalcopyrite. Fractures with hematitic carbonate. Some banding at 85 deg. Intrusive Breccia?	85		
80.50	88.00	Feldspar Porphyry-Crackle Breccia	Green with pink, sub-rounded, 1/8" feldspar phenocrysts. Angular unrotated porphyry fragments in a pale, olive-green fracture filling. Fine pyrite, non-calcareous, non-magnetic.			
88.00	91.00	Gouge-Breccia	Angular to rounded clasts of quartz, feldspar and feldspar porphyry in matrix of ground talc and chlorite. Also white calcite, epidote, serpentine and red carbonate. Shearing at 54 to 60 deg..	54-60		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
91.00	164.50	Altered Diorite	Grey-green with white plagioclase. Pyroxene clots altered to chlorite. Pyrite-pyrrhotite 2%. Fractures with chlorite, talc, quartz, and calcite are common and oriented at 41,54,58,10 deg.. Some with slickensides. Amount of chlorite is variable.	41,54, 58,10		
			107 Core is broken-up, 1/4" quartz veining at 10 to 20 deg.	10-20		
			127 Quartz-chlorite shears at 80 deg..	80		
			131.5 1/2" Quartz-chlorite-talc vein at 26 deg.	26		
			134 Fracture at 5 deg. with orange-red carbonate.	5		
			145.5 Breccia zone as at 76.5 to 80.5			
			148-150 Fractures with serpentine, epidote, chlorite and carbonate at 14 to 23 deg., up to 20% of the core.	14-23		
			Below 150 - White carbonate-filled fractures at 54 deg.. Up to 1/4". Some with slickensides.	54		
			160 1/2" carbonate, talc, chlorite fracture fill.			
164.50	168.00	Syenite Porphyry	Purple brown with white, 1/4", feldspar phenocrysts. Also 1/4" clots of olive green epidote-serpentine. Non-calcareous, non-magnetic. Bottom contact is oriented at 30 deg. Fine carbonate veinlets near bottom contact at 5, 20 deg.. Fine, disseminated pyrite.	30 5,20		
168.00	187.00	Altered Diorite	Chloritized as at 91 to 164.5. Chloritic fractures at 50, 40, 44 deg.. More chloritic, greener downhole.	50,44, 40		
187.00	204.00	Syenite Porphyry	Pink with serpentine-epidote as previous. Phenocrysts are calcareous at upper contact. Non-magnetic. Fine, white, calcareous fracturing at 24, 34, 29 deg.. Fine, disseminated pyrite. Minor unaltered pyroxene.	24,34, 29		
			194-198.5 Zone of brecciation. Angular quartz, carbonate, chlorite diorite. With fine, disseminated pyrite.			
			199.5-202 Talcose fractures.			
204.00	212.00	Altered Diorite	Chloritized as at 91 to 164.5. First 3' is broken-up, chloritic fractures at 10, 33 deg..	10,33		
212.00	231.50	Breccia	Fractured, sheared, chloritic diorite. Calcareous, talcose. Quartz-carbonate veining at 67 deg.	67		
			Shearing at 57 deg.	57		
			222-227.5 Core is broken-up.			
231.50	249.50	Altered Diorite	Chloritized like previous diorites. Pale green, non-calcareous, non-magnetic. Disseminated pyrite - 2%. Chlorite-carbonate veining common at 32, 19,		140	232-236

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Altered Diorite (cont.)	56 deg. with hematitic carbonate. Some irregular fractures with slickensides.	32,19, 56		
249.50	257.00	Breccia	Carbonated, sheared diorite and feldspar porphyry.. Dark green. Red, 1/4", carbonate nodes, in bands at 35 to 40 deg., possibly porphyroblasts. The feldspar porphyry is grey and likely originally syenitic.	35-40		
257.00	291.50	Syenite Porphyry	Pink, with epidote-serpentine clusters as previous. Calcareous, non-magnetic. Massive, medium-grained. Minor chloritic xenoliths. Flow foliation at 43 deg. Fine fracturing at 19, 38, 44 deg. with slickensides.	43 19,38, 44		
			262-271.5 Red-brown. Pyroxenes up to 1/4". Chloritic xenoliths up to 1". Upper contact at 262 is broken-up. 271.5 Grey with grey and white feldspar phenocrysts up to 1/2". Minor pyroxene, disseminated, pyrite, some epidote. 282 Start to get more serpentine, epidote, bottle green. Bottom 3' is brecciated. 288.5 3" quartz, carbonate, chlorite vein.			
291.50	308.50	Altered Diorite	Carbonated, chloritic, fractured, sheared. Calcareous, non-magnetic. Quartz-carbonate veins. Disseminated pyrite. Sheared at 44 deg. Chloritic fractures with slickensides at 23, 17 deg. Some brecciation.	44 23,17		
308.50	353.00	Diorite	Grey, medium-grained, equigranular, non-calcareous non-magnetic. Chloritization around fractures with chlorite, quartz and serpentine. Fractures at 47, 58, 5 deg.	47,58, 5		
353.00		End of Hole	All core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

HOLE NO. 85-2

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Aug. 20 1985
DATE COMPLETED: Aug. 21, 1985
DATE LOGGED: Aug. 22, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 43+91 W / 4+28 S; Instant Pond Grid
TRUE BEARING: 345
TOTAL FOOTAGE 500.00
CLAIM NUMBER: L721136
PROPERTY NAME: AZA
HOLE DIP TESTS: 46.5 @ 0; 46.5 @ 100; 47 @ 200; 46 @ 300; 46 @ 400; 46 @ 500
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	6.00	Casing				
6.00	9.00	Altered Diorite	Dark grey-green, chloritized mafic minerals. Non-magnetic, non-calcareous, pyritic, leucoxene. Irregular fracturing Calcareous fracturing at 45 deg.	45		
9.00	56.00	Syenite Porphyry	Grey-red with white calcareous phenocrysts up to 1/2". Chloritic xenoliths up to 1". Fine epidote-carbonate fractures at 22,47,8 deg. Foliation at 50 deg. 36 Becomes grey and calcareous. The bottom and top of this unit are brecciated.	22,47 8 50		
56.00	63.50	Breccia	Altered distorted chloritic diorite. Non-magnetic, calcareous zones. Quartz-carbonate veining generally at 15, 42 deg. Also talc, serpentine and red carbonate.	15,42		
63.50	371.00	Altered Diorite	Similar to 6-9' but with variable amounts of chlorite. An- to subhedral crystals. Chlorite, serpentine, calcite filled fractures are common at 25, 50, 46 deg. Grain size is variable. Core is broken-up at 77-78, 91-92, 121-123 Veined, sheared at 145,150.5,175,179,157-159, 196.5-198. 222 - 3" quartz-carbonate-epidote vein, some shearing at 46 deg., minor serpentine. 242 Becomes calcareous, greener.	25,50 46 46		

* - Planar feature is measured relative to core axis

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
			Fracturing and shearing with quartz-carbonate veining at 19 and 49 deg.:232-234, 236.5, 246.5, 241, and 244-245.	19,49		
			254-256.5 Calcareous, distorted and sheared at 61 deg.. With quartz-carbonate, chlorite sericite, leucoxene and serpentine.	61		
			277.5 Coarser grained 279-280 Shear zone at 39 deg.	39		
			281 1/2" quartz vein at 19 deg.	19		
			280-288 Light and dark, 1" banding at 35 deg.	35		
			288 Quartz veining increases, non-calcareous. Veining is 5-10% of core. Silicification.	55-60		
			Talcose, chloritic, slightly calcareous fractures at 293 and 295. Core is broken-up.			
			317.5 3" quartz vein 326.5-328 MYLONITE-Pale green, silicic. Angular diorite fragments up to 1"in a fine-grained matrix. Foliated at 60 deg.. 327 Leucoxene in 1/4" clumps below this point. 335 Carbonate filled fractures start. 340 Diorite becomes calcareous in patches. 342.5 Finer-grained, recrystalized? 342.5-349 Brecciated. 347.5-349 Calcareous, chloritic, foliated at 62 deg. 349 Plagioclase crystal up to 3/4" long Carbonate veins at 60, 48 deg. 366.5 Calcareous again 367.5-368.5 Sheared at 60 deg. with red, hematitic carbonate, chlorite and talc.	60 62 68, 40		
371.00	381.00	Feldspar Porphyry (Syenite)	Grey with pink subhedral feldspar phenocrysts. Sericite, epidote alteration of phenocrysts. First 2' are very altered. Calcareous, non-magnetic, upper contact is at 38 deg.. Minor mafics, 1" chloritic xenoliths. Relatively massive.	38		
381.00	400.00	Breccia	Distorted, fractured and chloritic diorite. Some feldspar porphyry fragments near upper contact. Variable calcite content, non-magnetic. Chlorite, talc and red hematitic calcite fractures at 30-40 deg.	30,40		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
400.00	416.00	Altered Brecciated Diorite	Calcareous around quartz-carbonate veining. Carbonatization indicated by dark green colour.		270	405-409
			402.5 Breccia, carbonate veining at 13 deg.	13		
			414-416 Chlorite-carbonate vein, breccia.		210	413-416
			Veins at 38,16,0 deg.	38,16 0		
416.00	438.00	Altered Diorite	As at 6- 9' More fractured. 418 6" of shearing at 40 deg. Chlorite, carbonate. Irregular carbonate veining.	40		
438.00	500.00	Carbonatized Diorite	Pale green, chloritic. Brecciation is common, first 6' especially Anhedral pyroxene, disseminated pyrite 1%. 477-448 1" serpentine nodes 448 Gouge, slickensides. Ground talc, calcite chlorite. 443-450 1/8-1/4" clumps of leucoxene			
			Fracturing is irregular or at 60, 0, 22 deg. Often hematitic.	60,0, 22		
			456-488 Pyroxene clumps visible again. 480 Not as calcareous			
			488 Shear zone, very calcareous, chloritic, leucoxene, fractured with carbonate filling.. 494 Gouge 494-500 Core boken-up, talcose, chlorite, leucoxene, no pyrite?			
500.00		End of Hole	All drill core was split and assayed for gold Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-3
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Aug. 22, 1985
DATE COMPLETED: Aug. 24, 1985
DATE LOGGED: Aug. 25, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 35+85 W / 5+56 S; Instant Pond Grid
TRUE BEARING: 345
TOTAL FOOTAGE 607.00
CLAIM NUMBER: L531700
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 44 @ 100; 44 @ 200; 43 @ 300; 43 @ 400; 43 @ 500; 41.5 @ 600
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	8.50	Casing				
					70	8-10
8.50	66.00	Altered Diorite	Medium grained, grey-green, massive, relatively uniform. Patches where mafic minerals have altered to chlorite. Non-magnetic.		70	16-24
			20-22 Calcareous with calcite veining at 35, 40 12 deg..	35,40 12		
			26-21 Paler green, carbonate veining at 7 deg., some red carbonate. Shearing at 23 deg..	7 23		
			43.5-45.5 Chloritic and slightly sheared at 42 deg.. Also occurs near bottom contact.	42	210 340 70 70	40-52 52-56 56-60 64-72
66.00	71.50	Feldspar Porphyry	Grey-pink, medium grained. Pink-white feldspar phenocrysts. Calcareous, non-magnetic.		270 70	72-76 76-84
			Foliated at 50 deg.	50	70	88-90
			Top contact at 42 deg..	42		
			Bottom contact at 78 deg..	78		
			Fine calcareous fractures at 22 and 15 deg.	22,15		
71.50	90.50	Altered Diorite	Chloritic as at 8.5 to 66. Non-calcareous, non-magnetic, irregular carbonate fractures.			
90.50	131.50	Feldspar Porphyry	Similar to 66 to 71.5		140	130.5-135.5
			90.5-93 Calcareous with large chunks (6") of chloritic diorite			
			Irregular upper contact, flow foliation at 46 deg. Disseminated pyrite	46		
			104.5-131.5 Calcareous			
			Lower contact sheared at 50 deg.	50		
131.50	382.00	Altered Diorite	Possibly gabbroic. Chloritic alteration is variable. Calcite-rich zones.		270 70 70 70	143.5-147.5 159-163 175-179 183-187

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
			generally non-calcareous, non-magnetic carbonate fractures at 38, 9, 33 deg.	38,9 33		
			170-171 Yellow-green shear zones at 54 deg.	54		
			194.5 Fractures with talc and serpentine at 30 deg..	30	70 140	191-195 195-199
			208.5, 205.5, 212.5 Fractures with red carbonate talc.		70	203-207
			217-224 Fracturing with carbonate and sericite Pyrite-pyrrhotite 2%	15,26		
			230-232 Brecciation, fracturing with carbonate, serpentine, red carbonate and talc.			
			234-240 Broken-up, fracturing,shearing, bleached brecciated. Olive green. Quartz-carbonate veining, fractures at 24,42 deg Disseminated pyrite, serpentine.	24,42		
			249-250, 251-252, 260-262 Chlorite, serpentine shear zones at 28, 40 deg..	28,40	70	259-263
			Fracturing common at 24, 14, 56, 34 deg. with slickensides	24,14 56,34		
			286-292 Carbonate veins at 50 deg..	50		
			308-310 Brecciation and shearing at 31 deg. Fractures with serpentine at 31, 13 deg.	31 13,31	70	323-327
			334 Serpentine fracturing at 18,28 deg..	18,28		
			341.5-356 Core boken-up, talcose fractures at 9, 20, 24, 26 deg.	9,20 24,26	140 70	335-339 355-363
			355, 360 3-4' buff green shears at 49 deg..	49	70	367-371
382.00	442.50	Fracture Zone	Fracturing in altered diorite.	34,29		
			With talc, carbonate and serpentine	11,0		
			Fractures at 34, 29, 11, 0, 8, 24 deg.	8,24		
			392-398 High chlorite content, dark coloured.			
			398-407 Pale green, red carbonate on fractures, Fine disseminated pyrite.			
			409-411 Gouge, ground talc, chlorite and calcite.			
			427 1/4' quartz-carbonate veins at 24 deg..	24		
			around a 6' shear zone with quartz, talc and serpentine. At 62 deg..	62		
442.50	491.50	Silicified Gabbro?	Grey, medium grained, non-calcareous, non-magnetic.			
			Clots of pyroxene. Pyritic 1-2%, white leucoxene.			
			Fracturing with talc and serpentine at 18, 36, 50 deg..	18,36 50		
			469-471.5 Epidote-chlorite alteration centred about a 1' calcite vein at 67 deg..	67		
			Light and dark banding at 44 deg..	44		
491.50	494.00	Mylonite	Yellow, calcareous, banding at 45 deg..	45		
			1/4' red carbonate porphyroblasts			
			Diorite fragments, epidote. Gouge at 491.5			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
494.00	496.50	Altered Gabbro	Dark green, medium grained, chloritized, epidote, leucoxene 1/4" carbonate veining and shearing at 36 deg..	36		
496.50	504.50	Syenite	Dark red feldspar, non-magnetic. Becomes darker and calcareous at 502 Fine calcareous fractures at 56, 44 deg. Disseminated pyrite.	56,44		
504.50	511.00	Shear Zone	Chlorite, sericite, calcareous, disseminated pyrite. Well-foliated at 31 deg..	31		
511.00	512.00	Syenite	As previously at 496.5-504.5			
512.00	519.00	Brecciated Diorite	Non-calcareous.			
519.00	520.50	Gouge	Ground-up calcite, talc, chlorite, red carbonate. Brecciated diorite, syenite fragments. Lower contact transitional into syenite over 3".			
520.50	549.00	Syenite	Red-brown. Similar to previous at 496.5-504.5 Disseminated pyrite. Carbonate, epidote fractures at 21,10,44 Lower contact is oriented at 45 deg..	21,10 44 45		
549.00	593.25	Altered Gabbro	Carbonatized. Dark green to black, some pyrite. 1/4" disseminated blebs of pyrite and pyrrhotite. Shearing and carbonate veining 15, 23, 42 deg.. 570-577 Red calcareous porphyroblasts 593.5 Gouge oriented at 70 deg.	15,23 42 70		
593.25	607.00	Syenite	Similar to 520.5-549. Grey-red, calcareous, non-magnetic, some epidote alteration.			
607.00		End of Hole	All core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-4
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Aug. 24, 1985
DATE COMPLETED: Aug. 25, 1985
DATE LOGGED: Aug. 26, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 32+00 W / 6+00 S; Instant Pond Grid
TRUE BEARING: 345
TOTAL FOOTAGE 607.00
CLAIM NUMBER: L531700
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 43 @ 100; 43 @ 200; 43 @ 300; 42.5 @ 400; 43 @ 500; 43 @ 600
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	7.00	Casing				
7.00	180.25	Altered Diorite	Grey, chloritic, medium grained, anhedral grains. Varying amounts of chloritization. Pyritic. Fractures with carbonate at approximately 30 deg.	30		
			15-23.25 Brecciated, distorted.			
			21.25-23.25 Mylonitic, pale green, silica, chlorite, pyrite, quartz veining. Oriented at 32 deg.	32		
			22.75-23.25 Core broken-up.			
			67-85 Grey, lose crystal boundaries completely			
			81.5-96 Distorted, grey-green. Carbonate bands at at 24 deg.. More chloritic.	24		
			Dark and light banding at 32 deg..	32		
			110-115 Calcareous, yellow-green. Shearing at 40,18 deg.. Quartz veining, epidote.			
			123 Start to get serpentine-talc coated fractures at 50,42,26,6 deg..	50,42 26,6		
180.25	242.00	Feldspar Porphyry	Medium-grained, pink-grey, 10% pyrite, flow foliation at 38 deg.	38		
			Calcareous fractures at 4,56,38 deg..	4,56, 38		
			228.25 Breccia-mylonite zone. Pale green with 1/4" angular fractures. With slickensides and calcareous.			
			239.5 Becomes calcareous.			
242.00	259.00	Breccia	Chloritic, carbonatized, fractured diorite. Medium-grained, green-grey. Fractures are irregular or at 20,60,55 deg..	20,60 55		
			250.5 1"-6" shear-mylonite zones. Fine-grained pale green, calcareous. Fragments of diorite and feldspar porphyry. Oriented at 20 deg..	20		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
259.00	284.00	Altered Diorite	As previous at 7 - 180.25. Pyrite 1-2%			
284.00	349.00	Fracture Zone	Fractured, altered diorite. Fractures have talc, serpentine, red calcite, chlorite, white carbonate and slickensides. Core is broken-up. Fractures are oriented at 35,68,0,65,33 deg.. First foot is gouge.	35,68 0,33 65		
			302 2" of gouge (talc, chlorite, calcite). 304 Core is not as broken-up but the rock is still very fractured and sheared. 315 Shearing at 25 deg..	25		
			313-318 Paler green. 346 Sheared, sericitic, foliated at 39,46 deg.	39,46		
349.00	407.00	Altered Diorite	Similar to 7 - 180.25 Chloritized, medium-grained, non-calcareous, non-magnetic, anhedral grains, fine pyrite, green to grey			
			358, 362, 382, 387-388, 395 Shearing with talc, serpentine, chlorite, carbonate and slickensides. Oriented at 14 and 39 deg..	14,39		
			Irregular carbonate-talc fractures are also common.			
407.00	417.00	Fracture Zone	Similar to 284-349 Shearing with carbonate veins at 32, 48, 51 deg.. Irregular talc, red calcite, serpentine fractures Fine pyrite.	32,48 51		
417.00	437.50	Altered Diorite	Chloritized as at 349-407 Chlorite, talc, serpentine fractures oriented at 50, 40 deg..	50,40		
437.50	492.00	Fracture Zone	As at 284-349		270	437.5-441.5
			441-443 Mylonite zone, green, calcareous, pyritic At 40 deg..	40		
			460-480 Less shearing and fracturing but the core is still broken-up. 487-492 Mylonitic, as at 441-443. Oriented at 42 deg..	42		
492.00	587.50	Diorite	Pale grey with black spots. Slightly chloritic pyroxenes. Subhedral, medium-grained crystals. Fine pyrite.			
			Still have some zones of fracturing, especially in the first 10' of the unit.			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
			Fractures with serpentine, carbonate and chlorite as follows:			
			498.75-501 At 80 deg., minor chalcopyrite.	80		
			506.5-509 Oriented at 18 to 20 deg..	18-20		
			539 At 10-20 deg.	10-20		
			544-546 At 10-20 deg.	10-20		
			560-566.5 With red calcite. Oriented at 36 deg..	36		
587.50	599.00	Aplite?	Fine-grained, grey feldspar, chlorite, massive. Non-calcareous, non-magnetic. Fine calcareous fractures.			
599.00	607.00	Gabbro	Foliated, sheared. Dark grey-green. White, 1/4" leucoxene clots.			
			Foliated at 43 deg.			
			Fractures with calcite, serpentine and talc are common. Oriented at 43 and 0 deg..	43,0		
607.00		End of Hole	All core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

HOLE NO. 85-5

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Aug. 26, 1985
DATE COMPLETED: Aug. 27, 1985
DATE LOGGED: Aug. 28, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 33+38 W / 1+74 S; Instant Pond Grid
TRUE BEARING: 345
TOTAL FOOTAGE 507.00
CLAIM NUMBER: L721134
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 42 @ 100; 43 @ 200; 42 @ 300; 41 @ 400; 42 @ 500
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	11.00	Casing				
11.00	70.75	Altered Gabbro	Chloritic, dark to pale green, non-magnetic, non-calcareous, medium-grained. Disseminated pyrite 2%. Carbonate filled fractures at various angles, 1-2% of core.			
			41.5 Shearing with carbonate veining at 49 deg.. Medium-grained clumps of leucoxene	49		
			56.5 Dark coloured.			
			59 4" Carbonate vein with 1% chalcopyrite at 38 deg.			
			59.5 Becomes calcareous, dark, anhedral grains, uniform.			
70.75	82.00	Feldspar Porphyry	Carbonatized, grey with barely visible white feldspar phenocrysts. Calcareous, non-magnetic.		270	78-82
			79.5-82 Gouged and sheared. Calcite veins 30-40% at 48 deg..	48		
82.00	197.50	Altered Gabbro	Chloritic. Similar to 11-70.75		70	155-159
			Pale. Difficult to distinguish crystals down to 102. Calcareous down to 102. Non-magnetic.		140	183-187
			109 2' of carbonate veining at 19 deg..	19		
			115 Vein with chlorite, carbonate, and red calcite. Oriented at 12 deg..	12		
			The gabbro is calcareous, darker, has leucoxene and is foliated at 50 deg..	50		
			122.5 Sericitic fractures at 90 deg..	90		
			119-122 Folded, dark, sericitic, chloritic and irregular carbonate veins.			
			122 Becomes non-calcareous.			
			136.5-140.5 Calcareous with sericite, epidote and carbonate veins up to 1" thick. Oriented at 36,24,0 deg..	36,24 0		
			146.5 Red calcite, epidote fractures at 55 deg..	55		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
			151.5 Becomes difficult to identify pyroxenes. Paler, very calcareous, slightly foliated at 44 deg. parallel to 1/2" calcite veins.	44		
197.50	253.00	Syenite	Carbonatized syenite intrusion. Upper contact		140	197.5-201.5
			oriented at 45 deg..Grey to red-brown.Chloritic	45	210	201.5-205.5
			xenoliths to 2" up to 10% of core.		70	205.5-213.5
			Calcareous fractures and veins up to 1/4" oriented		70	229.5-233.5
			at 0, 45. Some red calcite.	0.45	210	233.5-237.5
					70	237.5-249.5
			226-228 Fractured at 9 deg.. With pink and white calcite, chlorite and talc.	9		
253.00	337.00	Altered Gabbro	Chloritic, carbonated. Pale to dark green, medium-grained, some leucoxene clumps.		70	273-277
			Calcite filled fractures, 5-10% of the core at 0,	0,5,	70	285-297
			5,36,59. Some irregular brecciation. No pyrite?	36,59	70	317-329
337.00	385.50	Altered Gabbro	Chloritic, non-calcareous, non-magnetic, dark green. Minor carbonate veins at 20 deg..	20		
					70	337-349
			357 Chloritic fractures at 30 deg.	30	140	353-357
			377-379 Black, very chloritic. Talcose fractures		70	357-361
			at 17 deg..	17	140	361-365
			380-382 Calcareous, chloritic fractures at 38 deg	38	70	365-377
385.50	397.00	Fracture Zone	Chloritic Core is broken-up, black, talcose, calcareous.			
			Brecciated, angular fragments. Disseminated	32,30		
			pyrite-pyrrhotite 5%. Fractures at 32,30,0 deg..	0		
397.00	493.00	Gabbro	Chloritic as at 11 to 70.5		70	417-421
			Some clumps of leucoxene. Carbonate, chlorite		70	437-441
			filled fractures at 409.5, 417, 424 ft. Oriented		70	457-461
			at 20 deg..	20	70	477-481
			Minor calcareous patches. Pyrite-pyrrhotite 1-2%.		70	485-489
493.00	507.00	Altered Gabbro	Carbonatized as previous. Dark green.		70	497-501
			493-494 Shear zone. Carbonate, chlorite with gouge at 60 deg. Gouge at 493 Clumps of leucoxene.			
507.00		End of Hole	All core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-6
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Aug. 28, 1985
DATE COMPLETED: Aug. 29, 1985
DATE LOGGED: Aug. 30, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 35+51 W / 1+47 S; Instant Pond Grid
TRUE BEARING: 345
TOTAL FOOTAGE 507.00
CLAIM NUMBER: L 721134
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 43 @ 100; 42 @ 200; 42 @ 300; 43 @ 400; 43 @ 500
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	7.00	Casing				
7.00	95.25	Altered Syenite	Carbonatized. Dark grey-green, fine to medium-grained. Calcareous zones. Chloritic xenoliths up to 3". Fine, disseminated pyrite up to 10%. Calcareous fractures at 25,52,31 deg.	25,52 31		
			14.5 3" calcareous vein breccia at 25 deg..	25	70	15-19
			36-37 1/4" epidote, carbonate, red calcite fractures. Orange potassium alteration.		70	23-39
					70	43-47
			69.5 3" calcite vein.		70	67-71
			63-64, 55.5, 87-88 Calcite vein breccia at 62 deg	62	70	51-55
			66.5 1/2" pink calcite vein at 49 deg.	49		
			79, 82 1-2" pink and white calcite veins at 58 deg..	58		
			82-89 Irregular chloritic fractures at 0-40 deg.	0-40		
95.25	154.00	Gabbro	Grey, medium-grained, non-magnetic, non-calcareous. Pyrite-Pyrrhotite 1-2%. Clumps of white leucoxene down to 100 ft.			
			100-102.5 Breccia. Chloritic, almost black. Calcareous, epidote shear at 38 deg.	38		
			110-111 1/2" Calcareous veins at 61 deg.			
			120-121 with yellow carbonate aureoles.	61		
			121.5-122.5			
			141-142 Pale green, silicified, 1/2" quartz veins at 42 deg.	42		
			142-143 3" white calcite vein with a calcareous aureole.			
154.00	155.00	Syenite	Similar to 7 to 95.25 ft.. Slightly calcareous.			
155.00	163.50	Gabbro	Similar to 95.25 to 154. Slightly epidote rich.			
163.50	165.00	Syenite	Similar to 7 to 95.25 ft.			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
165.00	395.50	Gabbro	Similar to 95.25 to 154 ft..			
			170, 174, 176.5 1° carbonate, chlorite shearing at 24 deg.	24		
			1/2° Calcite veins with yellow carbonate aureoles as follows: 181-182			
			201.5-204.5 Oriented at 38, 20 deg.	38,20		
			206.5-207.5 Oriented at 47 deg.	47		
			231-234 Serpentine fractures at 5 deg.	5		
			239-242 Folded, distorted, epidote rich.			
			268.5-271.5 Some shearing at 36 deg.	36	70	261-269
			249 Epidote-rich fractures at 19 deg.	19		
			284 1° gouge. Ground chlorite, talc and calcite.			
			282-285 Fractured, broken-up, mostly at 50 deg. Paler, silicic.	50	70	281-285
			309-317.5 Bleached, calcareous. Thin calcite, chlorite filled fractures at 56 deg..	56		
			310.5 1/2° Serpentine-epidote fracture at 32 deg.			
			310.75 1° white quartz-carbonate vein.			
			319.5-325 Fine chloritic fracture at 25-60 deg.. Pyrrhotite-pyrite up to 10%	25-60		
			326 1/2° vein of chlorite, calcite and epidote at 18 deg.	18		
			326-327 Calcareous, slightly bleached.			
			327.5-330 Slightly calcareous, 1/8° quartz-calcite veins with chalcopyrite at 28 deg.	28		
			337 6° pale green, bleached calcite-quartz vein.			
			358,360 Foliated at 56 deg., chloritic.	56		
			360-362 Bleached. Pyrrhotite 5%, clumps of leucoxene.			
			362-371.5 Calcareous			
			362-365.5 Coarse-grained. White, irregular, calcite veins. Brecciation. At 20,28 deg.	28,20		
			366-371.5 Fine-grained, bleached, leucoxene, fractured at 18,46 deg.	18,46		
			375-376 Epidote, chlorite, calcite up to 1/2° at 47 deg. Some serpentine.	47		
			388-395.5 Calcite breccia veins up to 2° at 19, 10 . Chloritic, coarse-grained.	19,10		
395.50	435.00	Feldspar Porphyry	Grey-orange-pink, non-calcareous, non-magnetic, flow foliation at 47 to 56 deg.. Chloritic xenoliths to 1 1/2°. Disseminated pyrite to 10%. Epidote alteration. Fine calcareous fractures oriented at 22 deg.	47-56		
				22	70	423.5-427.5
			429-435 calcareous zones.		140	427.5-431.5
435.00	497.50	Gabbro	Identical to 95.25 to 154 ft.			
			435-443 Chloritic fractures mostly at 55, 11, 29 deg..	55,11 29	70	443-447
			450 1/4° calcite veins oriented at 17 deg.	17		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
			453 Chlorite, serpentine, calcite vein 1/4".		70	451-455
			480 Start to get calcareous zones, bleaching, leucoxene and/or epidote-sericite alteration.		70	463-467
			494.5-497.5 Very calcareous.			
			485.5 Chalcopyrite in a fracture oriented at 9 deg.	9	70	483-487
497.50	507.00	Feldspar Porphyry	Similar to 395.5 to 435 ft. except for 1/2", epidote-rich, rounded, feldspar phenocrysts. Flow foliated at 52 deg.	52		
			497.5-498.5 Calcareous.			
507.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-7

DRILLING CO.: Midwest
DATE STARTED: Aug. 30, 1985
DATE COMPLETED: Sept. 2, 1985
DATE LOGGED: Sept. 2, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 16+00 W / 7+08 N; Railway Grid
TRUE BEARING: 342 deg.
TOTAL FOOTAGE 507.00
CLAIM NUMBER: L 428743
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 44 @ 100; 44 @ 200; 44 @ 300; 44 @ 400; 43 @ 500
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	5.00	Casing				
5.00	75.00	Gabbro	Medium-grained, dark grey-green, euhedral grains.		70	5-13
			Pyrite-pyrrhotite 1% as disseminated blebs.		70	21-29
			Massive, slightly chloritic. Fractures with carbonate, serpentine and minor pyrite at 64, 74 deg..	64,74		
			16.5-23 Fracturing, core is broken-up. Filled			
			34-35 with serpentine, talc, red and white calcite. Slickensides. Oriented at 53,50, 71 deg.. The gabbro is also slightly bleached.	53,50 71		
			75-118 Irregular chloritic fracturing and the feldspars become more leucocratic and dioritic.			
75.00	507.00	Diorite	Similar to the previous unit, except lighter coloured. The diorite is relatively uniform and and massive but has been disturbed by a great deal of fracturing and veining.			
			78-80 Calcareous, sheared at 52 deg.	52		
			89-91 Core is slightly broken-up			
			91.5-98 Shearing with chlorite and carbonate veining at 48-60 deg..	48-60		
			102 Calcareous zones.		70	105-109
			117-130 Finer-grained, foliated at 66 deg..	66		
			Greenish, 1/2" quartz-carbonate veining at 40 deg.	40		
			157.5-165 Paler, calcareous, bleached, centred about quartz-calcite filled fractures at 159 and oriented at 10 and 41 deg..	10,41		
			Chlorite, serpentine, carbonate zones of shearing at : 202-204			
			210.55-211.5			
			221-222		70	213-217
			211.5-213 Massive, white, quartz vein			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Diorite (cont.)	Shear zones, greenish, silca rich, serpentine and talc at : 234-234.5 oriented at 50 deg.	50		
			238-239 oriented at 7 deg.	7		
			243 oriented at 53 deg.	53		
			251-255 oriented at 53 deg.	53		
			275 oriented at 38 deg.	38		
			277 oriented at 44 deg.	44		
			286-287.5 oriented at 30 deg.	30		
			293-294 oriented at 47 deg.	47		
			308.75-309.75 oriented at 47 deg.	47	140	309-313
			321 with 1/2" amethyst vein.		210	313-317
			387-388 with amethyst veining.		140	317-321
			332.5-343 Quartz-chlorite shear zones up to 6" thick about 1' apart.		70	321-325
					140	325-329
			428-431, 444.5-446 Greenish quartz, white carbonate breccia zone at 14 to 44 deg..		70	329-333
				14-44	140	333-337
					70	337-341
			450 Quartz-filled fractures common at 40 deg.	40	140	341-345
			447-457.5 Silica-chlorite rich shear at 80 deg..	80	70	345-349
			461.5 1" shear with quartz, carbonate, talc		140	349-353
			486.5-487.5 Quartz, talc, calcite, pyrite veins. at 25 deg.		70	353-369
				25		
			493.5-507 1/4" serpentine, talc, calcite filled fractures oriented at 60 deg. approximately every foot	60		
507.00		End of Hole	All of the drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-8
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Sept. 2, 1985
DATE COMPLETED: Sept. 3, 1985
DATE LOGGED: Sept. 4, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 16+75 W / 7+08 N; Railway Grid
TRUE BEARING: 342 deg.
TOTAL FOOTAGE 301.00
CLAIM NUMBER: L 428743
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 42 @ 100; 42 @ 200; 42 @ 300
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	14.00	Casing				
14.00	301.00	Diorite	Grey, medium-grained, equigranular, massive and slightly chloritic. Non- magnetic, non-calcareous. Generally uniform but subject to a great deal of veining and fracturing.			
			14-15 1/2" calcite veins, some shearing, pink and white, quartz-carbonate veins. All oriented at 60 deg.	60		
			21.5-22.5 Quartz-carbonate-serpentine vein at 5 deg.	5		
			27-34 Irregular, 1/4", quartz-chlorite veins with some brecciation.			
			34-61 Quartz-carbonate-chlorite veins with minor pyrite about every 6". Oriented at 28-37 deg..	28-37	140 70	34-38 38-42
			51-55 Paler. Serpentinized mafic minerals (green) Serpentine fractures at 36 deg.	36	340 70	50-54 58-62
			52.75-53.5 Quartz-calcite vein with shearing at 33 deg.. With euhedral, medium-grained pyrite..	33		
			Quartz, serpentine, minor calcite, talc shears at 44 deg. occur as follows: 73.25	44		
			74-75			
			85			
			87			
			95 at 24 deg.	24		
			123 at 80 deg.	80		
			177 Vein with quartz, chlorite and serpentine at 20 deg.	20		
			182 Quartz in fractures at 54, 27 deg., becomes bleached.	54, 27	70	182-186
			183.5-185.5 Brecciated, folded. Chlorite, quartz and carbonate filled fractures. Fractured at 51 deg..	51		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Diorite (cont.)	187-197 Calcareous, grey, fine anhedral grains. Calcite-filled breccia. Foliated at 50 deg.	50		
			197-200 Bleached as at 182. Fractures filled with chlorite, quartz and carbonate. Fractures oriented at 35 deg.	35		
			Spots of calcite.		70	214-222
			242.5 2° carbonate-serpentine shear at 25 deg. with slickensides.	25		
			248-251 Brecciated with 1/4° quartz-carbonate veins			
			248 Strong shearing at 44 deg.	44		
			270.75 Talcose gouge at 17 deg.	17		
			270.75-277 Grass green. Pyrite 5-10%			
			272.5-274 Breccia with quartz-carbonate veins up to 3° thick, pale white to green.			
			277.25 1/2° shear with serpentine, talc and blue quartz. Oriented at 34 deg.	34	70	278-282
301.00		End of Hole	All drill core was split assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-9

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Sept. 3, 1985
DATE COMPLETED: Sept. 4, 1985
DATE LOGGED: Sept. 5, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 15+15 W / 7+08 N; Railway Grid
TRUE BEARING: 342 deg.
TOTAL FOOTAGE 307.00
CLAIM NUMBER: L 428743
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 42 @ 100; 42 @ 200; 41 @ 300
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	10.00	Casing				
10.00	112.00	Gabbro	Grey to white plagioclase, greater than 50% mafics, Chloritic, euhedral medium-sized grains. Pyrrhotite 1-2%. Non-magnetic, non-calcareous.			
			27 4-5" of sheared quartz-carbonate vein at 73 deg..	73		
			28 4" of breccia with irregular quartz veins.			
			39-41 1/4" quartz and carbonate veins, brecciation, chlorite. Minor pyrite.			
			Fractures with quartz filling are common at 42 deg	42		
			72 Fractures with chlorite, and serpentine become common.			
			70 Shearing at 73 deg.	73		
			75 4" Calcite, pyrite vein at 50 deg.	50		
			86.5-87.5 Shearing at 34 to 56 deg. with talc and carbonate.	34-56		
			98.5-101 Shearing at 36 deg. with carbonate, talc and serpentine.	36		
			94 Fracture at 4 deg.	4		
			106.5-108 Irregular chloritic fractures.			
112.00	307.00	Diorite	Similar to the gabbro but with less than 50% mafic minerals.			
			114-115.5 Breccia with calcite filling. Breccia tends to 35 deg.	35		
			Shears with carbonate and chlorite at 50 to 60 deg as follows: 120.5-121.5, 122.5, 128.5-129.75, 131, 137, 142	50-60		
			Irregular chloritic veining common.			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Diorite (cont.)	Shearing with chlorite-carbonate veins at 40 to 54 deg. as follows: 160-162 173-174 178 182 197 202 215.5 222			
			185 Less chloritic fracturing.			
			237-239 1/4" Veins with calcite, quartz, serpentine and chlorite at 40 deg.	40		
			239.5 1" Quartz-carbonate with galena at 30 deg.	30		
			259-260 Very chloritic. Fractures with carbonate veins at 10, 30 deg.	10,30		
			Chloritic fractures common at 40 deg.	40		
			262.5-264 Pale green shearing with carbonate vein 50 deg..	50		
			275-275.5 Core is broken-up. Fractures with talc and red carbonate. Oriented at 20 deg..	20		
			282.5-284.5 Massive white carbonate vein			
			295-296 Shear with calcite and chlorite. Oriented at 27 deg.. Pyrrhotite up to 5% as blebs	27		
			Chlorite-calcite filled fractures at 65 deg.	65		
307.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-10
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Sept. 4, 1985
DATE COMPLETED: Sept. 5, 1985
DATE LOGGED: Sept. 6, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 10+80N / 2+86.5W Railway Grid
TRUE BEARING: 110 deg.
TOTAL FOOTAGE 307.00
CLAIM NUMBER: L 428749
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 43.5 @ 100; 43 @ 200; 43 @ 300
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	4.00	Casing				
4.00	102.75	Magnetite Gabbro	Dark greeen, medium-grained and equigranular and chloritic. Pyrite-pyrrhotite 5%, as disseminated blebs. Magnetite occurs as black euhedral crystals, 1/8" in size, disseminated and making up to 20% of the gabbro. Calcareous fractures are common at 72, 33 and 89 deg..	72,33, 89		
			13.5-24.5 Calcareous zones associated with epidote alteration.			
			19.5 One inch fracture zone with calcite and chlorite at 38 deg.	38		
			21-21.5 Chlorite-calcite filled shear with an aureole of white leucoxene altered magnetite. Shear is oriented at 50 deg.	50		
			40.5-42 Coarse-grained, white plagioclase.			
			42 Breccia with calcite fillings 1/2" thick.			
			42.5 Shear with calcite, chlorite and epidote. at 33 deg..	33		
			54 3" calcite-filled shear, with a 6" leucoxene alteration aureole at 76 deg..	76		
			59-61.25 Wandering epidote rich zone at approximately 5 deg..	5		
			60-61.25 Calcareous, chloritic fractures at 43 and 36 deg..	43,36		
			80-81 Epidote rich zone at 18 deg.	18		
			87 1" shear with carbonate and epidote at 30 deg Calcareous aureole, 6" to either side.	30		
			92 1/2" calcite vein with a 6" leucoxene alteration aureole.			
			94.75- 96.25 Calcarous zone centred about a leucoxene-calcite rich shear at 105.5.			
			101.75-102.75 Calcareous, calcite vein breccia.			
102.75	132.00	Feldspar Porphyry (Syenitic)	Red to grey. White plagioclase phenocrysts. Calcareous. Chloritic xenoliths up to 2" in dia. Fine disseminated pyrite. Flow foliated at 50 deg.	50		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Feldspar Porphyry (cont.)	Fine calcareous fractures at 84 and 59 deg.	84,59		
132.00	171.50	Magnetite Gabbro	Identical to previous gabbro at 4 to 102.75 132-133.5 Calcareous. Epidote alteration zones usually at 25 deg. as follows: 137.5 142 147.5-148.5 140.50 162 Breccia zone with epidote, carbonate, chlorite with 15% pyrrhotite. Serpentine shear at 28 deg..	25 28		
171.50	176.75	Feldspar Porphyry (Syenite)	Identical to porphyry at 102.75 to 132 Calcareous. Fine disseminated pyrite. Flow foliation at 54 deg. Grey. 171.5-172.5 Angular breccia with calcite infilling.	54		
176.75	307.00	Magnetite Gabbro	Similar to gabbro at 4 to 102.75 but generally more epidote rich. 205-206 Quartz, talc and calcite vein at 11 deg.. 215-218.5 Calcareous. 228-230 Wandering carbonate, chlorite vein, 1/2" thick. With leucoxene alteration aureole 237-237.5 Calcareous, leucoxene alteration. 243 Breccia with calcite infilling. Breccia tends to 25 and 70 deg. 252 Fractures with calcite and quartz veins. 253.25-258 Leucoxene alteration centred about a 2" calcite-quartz vein at 256. 293.5 1" Calcite quartz and chlorite vein at 64 deg.	 11 25,70 64		
307.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-11

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Sept. 5, 1985
DATE COMPLETED: Sept. 7, 1985
DATE LOGGED: Sept. 8, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 13+47 N / 1+42 W; Railway Grid
TRUE BEARING: 143 deg.
TOTAL FOOTAGE 532.00
CLAIM NUMBER: L 428751
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 43 @ 100; 42 @ 200; 42 @ 300; 41 @ 400; 40 @ 530
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	17.00	Casing				
17.00	257.00	Magnetite Gabbro	Dark green, medium-grained, euhedral grains, chloritic. Pyrrhotite blebs up to 5% of core. Magnetite occurs as black, 1/8", euhedral disseminations to 15%. Fractures with calcite and minor epidote are common and are oriented at 55 deg..	55		
			Calcite-epidote-chlorite fractures occur at the following footages: 22 oriented at 12 deg.	12		
			28-30 oriented at 9 deg.	9		
			32.5-33 oriented at 61 deg.	61		
			37 oriented at 3 deg.	3		
			45-47 oriented at 26 and 6 deg.	26,6		
			31-32 oriented at 70 deg	70		
			49 oriented at 34 deg.	34		
			54 oriented at 49 deg.	49		
			62-63 oriented at 62 deg.	62		
			74.5 oriented at 54 deg.	54		
			88-89 oriented at 74 deg.	74		
			Calcite veins with leucoxene alteration aureoles occur at 58.75 (48 deg.) and 66.4-67.5(32 deg.).	32		
			The leucoxene is in pale grey clumps replacing the magnetite.	48		
			There is less fracturing below 75 but calcareous patches start to occur.			
			78-80.5 Epidote-chlorite fractures at 27 deg.	27		
			102-124 Epidote fractures at 0-10 deg.	0-10		
			123.5-125.5 Coarse-grained, very epidote rich.			
			155.5 1" Carbonate-serpentine vein with a leucoxene alteration aureole.			
			158.5, 160 1" quartz-calcite vein with 15% blebs of chalcopyrite, oriented at 41 deg.	41		
			166 Quartz vein, 1/4" thick oriented at 31 deg.	31		
			169.5-170.5 Coarse-grained.			
			189.5 Calcite vein, 1/2" thick, at 53 deg	53		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Magnetite Gabbro (cont.)	Calcite, chlorite, epidote fractures occur at the following footages: 184-185.5 oriented at 9 deg.	9		
			197-198.5			
			209 oriented at 57 deg.	57		
			213 oriented at 31 deg.	31		
			220 oriented at 34 deg.	34		
			206.5-207 Calcite veins, 1/4", oriented at 70 deg	70		
			230 The number of epidote-calcite fractures increases. They are oriented at 30 to 55 deg.	30-55	140	236-240
257.00	281.00	Feldspar Porphyry (Syenite)	Red to grey, medium-grained with white plagioclase phenocrysts. Disseminated pyrite. Calcareous. Chloritic xenoliths up to 2" dia.. Fine epidote-rich fractures. Non-magnetic.			
			276 Becomes non-calcareous.			
			281 Lower contact is oriented at 41 deg.			
281.00	322.00	Magnetite Gabbro	Identical to 17 to 257			
			Epidote rich fractures oriented at 57, 7 and 15 deg., often with some calcite and/or pyrrhotite.	57,7,15		
			286.5-288 Calcareous, leucoxene alteration aureole			
			311-322 Fracturing and shearing, calcareous, leucoxene alteration. Core is mostly calcite veins oriented at 60 deg. Also some shearing.	60		
			314-322 Black with pale green, calcareous pseudomorphs of plagioclase.			
322.00	532.00	Altered Gabbro	Similar to the previous gabbros but non-magnetic, more chloritic and epidote rich. Faint outlines of leucoxene pseudomorphs of magnetite. Non-magnetic. Still have the epidote-filled fractures of the previous gabbros.		70	337-341
			385-393 Calcareous and darker. The leucoxene alteration becomes more obvious.. Shearing with chlorite and epidote at 2 to 18 deg.	2-18	70	389-393
			401-409.5 Calcareous. Shearing at 34 deg.	34	70	405-409
			413-414.5 Shearing at 21 deg. with epidote, calcite and chlorite.	21		
			437.5-438.5 Irregular breccia with calcite and chlorite filling.			
			439-453 Fracturing at 6 deg.. Filled by talc, epidote, white and red calcite.	6	70	453-457
			470 Foliated at 38 deg. Becomes massive again at the 475 point.	38		
			475-486 Fractures with calcite, epidote at 10 to 15 deg. approximately every foot.	10-15		
			491-492 Shearing at 65 deg.	65		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Altered Gabbro (cont.)	499.5-501 Calcite veins up to 3" thick with 2-5% pyrite and chalcopyrite. 499-513 Core is broken-up. Fractures with talc, serpentine and red calcite at 3-10 deg.. More chlorite and epidote alteration. 527.5 White calcite vein, 6" thick. With a 6" epidote alteration aureole. Chalcopyrite blebs, 10%.	3-10		
532.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-12
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Sept. 8, 1985
DATE COMPLETED: Sept. 9, 1985
DATE LOGGED: Sept. 10, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 12+98 N / 0+27 E; Railway Grid
TRUE BEARING: 151 deg.
TOTAL FOOTAGE 357.00
CLAIM NUMBER: L 428751
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 44 @ 100; 44 @ 200; 43 @ 300
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	10.00	Casing				
10.00	61.00	Magnetite Gabbro	Dark green with 1/8", black, euhedral, magnetite disseminations, up to 20%. Non-calcareous, chloritic. Irregular blebs of pyrrhotite up to 10%. Fractures filled with epidote are common, usually at 40 to 50 deg.	40-50		
			10-25 Irregular, chloritic fractures.		70	10-22
			15 Fracture with chlorite, epidote and calcite. Oriented at 24 deg.	24		
			25 Finer pyrrhotite, less chloritic.			
			55-55.75 Breccia-shear with leucoxene pseudomorphs of magnetite. Veins of calcite, serpentine and epidote. Generally oriented at 23 deg.	23		
			61 Lower contact at 41 deg.	41		
61.00	106.50	Feldspar Porphyry (Syenite)	Calcareous, non-magnetic, grey to red. Chloritic xenoliths up to 1" dia. Flow foliation at 50 deg. Fine disseminated pyrite. Fine calcareous fractures at 8, 0, 25, 50 deg.	50 8,0,25, 50		
			81.5-85 Shearing and brecciation with up to 20% carbonate veins. Veins are up to 1" thick and are oriented at 34 deg..	34		
			92.75-93.5 Green, fine-grained, calcareous inclusion. Gabbro?			
106.50	138.00	Magnetite Gabbro	Identical to gabbro at 10 to 61			
			106.5-107 Leucoxene alteration.			
			106.5-111.5 Calcareous.			
			106.5 Quartz-calcite vein, 1", oriented with contact at 55 deg.	55	70	106.5-110.5
			122.5-123 Brecciated carbonated veins with a leucoxene alteration aureole 1' to either side.			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Magnetite Gabbro (cont.)	127-129 Strong shearing with epidote and carbonate veining. Oriented at 15 to 30 deg..	15-30		
138.00	156.25	Feldspar Porphyry (Syenite)	Similar to previous porphyry at 61 to 106.5 Grey, calcareous. Fine white, calcareous fractures 46 and 18 deg.	46, 18		
			152-157 Wandering vein of calcite and epidote. Roughly oriented at 0 deg.	0		
156.25	357.00	Magnetite Gabbro	Similar to gabbro at 10 to 61. Strong epidote alteration zones usually related to calcite veining. Veins are oriented at 5-26 deg.	5-26		
			182 Coarse-grained magnetite and pyrite.			
			183 Start to get irregular chloritic and calcareous fractures.		70	196-200
			202-206 Brecciated, irregular calcite veins. Fragments are up to 3/4".		70	204-212
			206-211 Calcareous. Leucoxene alteration. Foliated at 55 deg.. Brecciated carbonate veins up to 15%	55	70	216-236
			221.5 Serpentine-calcite filled fracture at 32 deg..	32		
			229 Serpentine-epidote fracture with chlorite alteration. Fracture oriented at 15 deg.	15		
			Fractures with epidote at 40 deg. For example at: 234,243,232, and 251.	40	70 70 70	240-244 248-256 260-276
			262-263.5 Leucoxene alteration centred about strong epidote alteration with quartz-carbonate veins. Oriented at 45 deg.	45		
			266.5-267.5 Leucoxene alteration and carbonate veining. Some shearing. All oriented at 64 deg..	64		
			268-297 Few fractures.			
			297-304.5 Carbonate veins and shearing with leucoxene alteration. Oriented at 45 deg.	45	70 70	280-284 292-304
			335-339.5 Calcareous, leucoxene alteration.		70	336-340
			337-338.5 Breccia with calcite, quartz, epidote and serpentine.			
			342.5-344 Calcareous with epidote alteration.		70	348-352
			352-355.5 Leucoxene alteration around a breccia with serpentine quartz, calcite. Some shearing at 56 deg.	56		
357.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

HOLE NO. 85-13

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Sept. 10, 1985
DATE COMPLETED: Sept. 12, 1985
DATE LOGGED: Sept. 13, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 0+50 S / 67+37 E; Railway Grid
TRUE BEARING: 323 deg.
TOTAL FOOTAGE 600.00
CLAIM NUMBER: L 441459
PROPERTY NAME: AZA
HOLE DIP TESTS: 60 @ 0; 56 @ 100; 54 @ 200; 53 @ 300; 52 @ 400; 51 @ 500; 50 @ 600
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	44.00	Casing				
44.00	110.50	Altered Sandstone	Dark, green-grey. Very chloritic. Generally medium grained with up to pea-sized, flattened grains of grey chert. Some grains are calcareous and may be altered tuff fragments. Slightly calcareous with minor calcite veining. Well-foliated at 33 deg..	33		
			44-55 Core is broken-up by talcose fractures, parallel to the foliation.			
			47, 63.75 Gouge composed of talc, chlorite and calcite		70	60-72
			67-71, 85-87 Zone of pea-sized chert and/or carbonate.			
			87 5° band of green mudstone.		70	100-104
110.50	116.50	Conglomerate	Pink to black, flattened pebbles, up to 1° long in an altered sandstone matrix. Most of the pebbles are composed of chert, but some seem syenitic or are just calcite. Foliated at 37 deg..	37		
116.50	164.00	Altered Sandstone	Similar to sandstone at 44 to 110.5 but more uniform and finer grained.		70	128-132
			120 Foliated at 30 deg..	30		
			144 Foliated at 6 deg..	6		
			The number of irregular calcite-filled fractures increases towards 161.5			
			161 1° gouge with talc, chlorite and calcite.			
			161.5 Shear with veins of quartz-carbonate and chlorite. Oriented at 48 deg..	48		
164.00	172.00	Syenite Intrusion	Grey, magnetic, medium-grained, calcareous. Chloritic xenoliths up to 2°.			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite (cont.)	Fine disseminated pyrite. Irregular, calcareous fractures.			
172.00	323.00	Altered Sandstone	Similar to 44-110.5. Grey with reddish zones. Fine to medium-grained. The foliation is variable down to 230 where it is at 36 deg..	36	70	180-184
			Minor calcareous patches usually associated with calcite fractures oriented at 11, 68 and with irregular fractures.			
			Slightly magnetic. Reddish tinge and magnetism suggest a tuffish component to the sandstone,.			
			226 2" chert pebble.			
			236-238 20% green chert and red jasper pebbles.			
			243-248 Irregular talc, calcite fractures. Trending at 0 deg..	0		
			246.5 Quartz vein with disseminated chalcopyrite. Vein is 1/4" thick and oriented at 23 deg..			
			251 The rock becomes generally calcareous.			
			263.5 Red and white carbonate, quartz and chlorite-filled shear. Oriented at 22 deg.	22		
			282 Zone of grey chert pebbles.			
			277 Becomes more sheared. Fractures with calcite chlorite oriented at 25 deg..	25		
			Foliated at 22 deg..	22		
			299 Gouge oriented at 26 deg. with quartz-carbonate veins, 2" thick.	26		
			After the gouge, calcite veins make up 5% of the core and are usually oriented parallel to the foliation at 24 deg..	24		
			290-323 Non-magnetic.			
323.00	339.50	Tuff	Possibly trachytic. Grey with reddish tinge. Strongly foliated at 42 deg.. Red and white calcareous nodes up to 1/4" dia.	42		
			Calcareous, magnetic. Calcite fractures are irregular or are oriented parallel to the foliation. Veins make up to 10-15% of the core.			
			Talcose joints, trace of pyrite.			
339.50	402.00	Altered Sandstone	Similar to the previous sandstone but more chloritic.			
			Calcareous, trace of pyrite, talcose joints.			
			Foliation is variable, but mostly strong at 38-50 deg..	38-50		
			347.5 Gouge composed of talc, chlorite and talc. Oriented at 67 deg..	67		
402.00	432.50	Tectonic	Very chloritic sandstone. Brecciated. Carbonate veining 5%. Brecciated. Foliated at 39 deg..			
			421 Gouge at 39 deg.. 1/8" disseminated spots of calcite.			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Tectonite (cont.)	425-426 Quartz-carbonate veins oriented at 72 deg..	72		
432.50	448.50	Syenite Porphyry	Red to purple. Phenocrysts of white, subhedral, zoned feldspars. Non-calcareous. Magnetic.		70	432.5-436.5
			Foliated at 48 deg..	48		
			Quartz-dolomite veins: 1/4" thick, orinted at 46 and 61 deg.. Magnetic. No pyrite?	46,61		
448.50	453.00	Tectonite	Identical to 402 to 432.5			
453.00	461.00	Syenite Porphyry	Identical to 432.5 to 448.5			
461.00	511.00	Fractured Syenite Porphyry	Pale pink to grey. Non-magnetic and non-calcareous. Sericitic and pyritic. Foliated at 46 deg..	46		
			Medium-grained. Similar to the previous porphyries			
			469.5 Quartz vein, 1/4", with 10% chalcopyrite. Oriented at 46 deg..	46	70	475-483
			490 Start to get 1/4" flecks of mariposite.		3220	483-487
			Elongated parallel to foliation. Rock is		70	487-499
			generally paler and yellowish.		70	503-507
511.00	512.00	Sheared Syenite	Sericite, chlorite and mariposite and up to 50% coarse quartz-feldspar veining. Fine, dissiminated pyrite.			
512.00	516.75	Vein	Massive white quartz-vein, minor calcite. Zone of brecciated syenite with mariposite and sericite.			
			Shearing at 62 deg..	62		
516.75	523.00	Tectonite	Sheared, veined, chloritized sediment.		70	516.75-521
			Approximately 60% quartz-feldspar-carbonate veins oriented parallel to the foliation at 63 deg..	63		
			Some brecciation. Talcose fractures.			
			Alteration products include chlorite, sericite, serpentine and mariposite.			
			Slightly calcareous. Minor chert pebbles.			
			Some fracturing at 0 to 10 deg..	0-10		
523.00	553.00	Altered Sandstone	Chloritized. Quartz-feldspar veins 10-15% of core, mostly parallel to foliation at 40 deg.. Also some	40		
			iregular veins. Talcose joints. Last 3' have sericite, chlorite and mariposite, very sheared			
			veins of quartz-feldspar, 80%.	60		
553.50	555.00	Altered Syenite Intrusion	Grey, dolomitic. Fractures with chlorite and sericite oriented at 56 to 90 deg..Fine pyrite, disseminated.	56-90		
555.00	561.50	Tectonite	Veined, sheared. Similar to 516.75 to 523			
			Veins of quartz-feldspar, 60%. Sericitic.			
			Yellow grey. Sheared at 45 to 55 deg..	45-55		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
561.50	569.75	Grey Intrusion	Similar to 553.5 to 555 but not as fractured. Non-magnetic, non-calcareous, minor mariposite. Fine disseminated pyrite. Foliated at 37 deg.	37		
			562 Chloritic phenocrysts - 1/4".			
569.75	595.00	Jasper Sandstone	Bleached, medium-grained, angular quartz and feldspar. Minor flecks of jasper. Fine disseminated pyrite. sericite. Foliated at 51 deg..	51	70 70 140	569.75-582 586-590 590-594
			Pale grey.		210	594-595
595.00	600.00	Syenite Porphyry	Grey. Foliated at 31 deg.. Disseminated, euhedral pyrite, up to 1/4". Rounded phenocrysts of sericite, chlorite and feldspar. Non-magnetic and non-calcareous.	31		
600.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

HOLE NO. B5-14

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Sept. 12, 1985
DATE COMPLETED: Sept. 15, 1985
DATE LOGGED: Sept. 16, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 69+55 E / 0+50 S; Railway Grid
TRUE BEARING: 323 deg.
TOTAL FOOTAGE 850.00
CLAIM NUMBER: L 441459
PROPERTY NAME: AZA
HOLE DIP TESTS: 60 @ 0; 58 @ 100; 58 @ 200; 58 @ 300; 57 @ 400; 55 @ 500; 54 @ 600; 46 @ 700; 42 @ 800
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	43.00	Casing				
43.00	311.50	Altered Sandstone	Dark grey, medium-grained, calcareous. Fine, disseminated pyrite. Chloritic. Talc jointing is common. Up to 30% calcite veining. Well-foliated at 48 deg..	48		
			63-65 Broken-up. Talcose, calcareous fractures.			
			73 Becomes more uniform. Fewer calcite veins. Angular chert pebbles, up to 2" diameter,			
			78-101 Magnetic.			
			1/4" calcite veins are common.			
			150 Foliated at 29 deg..	29		
			170 Foliated at 20 deg..	20		
			175-204.5 White spots of calcite up to 1/2", elongated parallel to foliation, calcite vein porphyroblasts.			
			204.5-232 Non-calcareous except for reddish spots.			
			209 2" Red calcite pebble - Altered Syenite?			
			214-288 Magnetic, reddish tinge.			
			259 1/2" spots of white calcite.			
			295 Foliated at 42 deg..	42		
311.50	317.50	Syenite Porphyry	Grey to black. Phenocrysts possibly represented by white, 1/4" spots of calcite. Black stretched pyroxenes and chloritic xenoliths oriented at 44 deg.. Calcareous and magnetic. Fine, disseminated pyrite.	44		
317.50	336.50	Altered Sandstone	Identical to previous sandstone at 43 to 311.5.			
336.50	342.50	Syenite Porphyry	Identical to syenite at 311.5 to 317.5. Calcareous, magnetic, disseminated pyrite. Foliated at 41 deg..	41	70	340.5-342.5

* - Planar feature is measured relative to core axis

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
342.50	508.00	Altered Sandstone	Similar to previous sandstone at 43 to 311.5 Calcareous. Talcose joints are common.		140 70	354.5-358.5 386.5-394.5
			410.5 6" vein of quartz, chlorite and talc. Oriented at 78 deg..	78	70	410.5-422.5
			412 Gouge with talc, chlorite and calcite. Oriented at 40 to 50 eg..	40-50		
			425-426 Reddish, magnetic. White, calcareous spots, 1/4". Foliated at 48 deg.. Fine, disseminated pyrite. Tuffaceous?	48	70	426.5-430.5
			437 Disseminated, calcareous, 1/8" spots begin. Very calcareous.			
			467-468 Pink-orange calcite veins at 5 deg.. Stretched chert pebbles.			
			470 Foliated at 5 deg..			
			484 Talc, red and white carbonate-filled fractures oriented at 0 to 5 deg. Foliated at 19 deg	0-5 19		
508.00	541.00	Tectonite	Chlorite, up to 80 % carbonate veins and/or porphyroblasts. Foliated at 36 deg.. First 10' has irregular quartz veins. Accompanied by 1" silicification zones.	36		
			524.5-538.5 Irregular breccia with chlorite, quartz and white or orange calcite. Disseminated pyrite.			
			537 Gouge.			
541.00	565.00	Altered Sandstone	Similar to previous altered sandstones. Approximately 20% quartz-carbonate veining. Veins are mostly at 0 or 42 deg.. Foliated at 40 deg..	0,42 40	140 140	558.5-562.5 566.5-570.5
565.00	579.50	Tectonite	60-70% quartz-carbonate veining mostly parallel to foliation. Sericitic. Foliated at 44 deg..	44	70	578.5-579.5
579.50	760.00	Jasper Sandstone	Greenish with angular quartz and feldspar plus flecks of jasper. Sericitic. Fine, disseminated pyrite. Non-magnetic and non-calcareous. Minor grey chert and yellow mudchip fragments. The first 20' section is bleached to a pale yellow and has about 10%, 1/4", quartz-filled fractures. Foliated at 57 deg..	57		
			584-587 Sheared with 1/4" calcite nodes. Pale green-yellow. Pyrrhotitic fracture at 12 deg.. Sheared at 55 deg..	12 55	210	583-587
			640-649 Fractures filled by calcite and quartz. up to 1/4". Oriented at 18, 9, 53 and 22.	18,9 53,22		
			690-690.5 Quartz-feldspar veins 1" thick. Oriented at 18 deg.. Some bleaching.	18		
			743.5 Quartz vein with silicification at 19 deg..	19		

* Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Jasper Sandstone (cont.)	750 Marposite chip, 1/2".			
760.00	781.00	Fractured Syenite Porphyry	Pale brown, sericitic. Non-magnetic. Fractures are randomly oriented and filled by quartz, calcite and/or chlorite. Slightly calcareous. Fine, disseminated pyrite, less than 2%.			
			778 2" quartz, calcite, chlorite and feldspar vein oriented at 51 deg..	51		
781.00	796.75	Fractured Jasper Sandstone	Identical to jasper sandstone at 579.5-760 but with 10% quartz-feldspar-chlorite-sericite filled fractures increasing downhole to lower contact. Foliated at 57 deg..	57		
796.75	850.00	Syenite Porphyry	Grey-red with white, 1/4", amorphous feldspar masses. Medium-grained, non-magnetic, non-calcareous. Fine, euhedral, white dolomite flecks.		140 70	821-825 833-837
			Chloritic xenoliths, 5%. Rotated, euhedral, 1/4" pyrite. Foliated at 40 deg..	40	270	837-841
			Orange and white quartz-feldspar veins common at 58 deg.. Fine disseminated pyrite.	58	410 280	841-845 845-850
			The first ten feet are grey and fractured as at 760 to 781			
850.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-15
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Sept. 20, 1985
DATE COMPLETED: Sept. 24, 1985
DATE LOGGED: Sept. 25, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 69+00 E / 0+55 N; Railway Grid
TRUE BEARING: 323 deg.
TOTAL FOOTAGE 700.00
CLAIM NUMBER: L 441459
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 43 @ 100; 42 @ 200; 42 @ 300; 39 @ 400; 36 @ 500; 34 @ 600; 31 @ 700
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	21.00	Casing				
21.00	23.00	Silicified Syenite	Bluish-grey, non-calcareous, non-magnetic. Fine, white disseminated pseudomorphs of magnetite. 1/4", green, silicic pseudomorphs of feldspar phenocrysts. Massive.		70	21-31
23.00	213.00	Altered Sandstone	Chloritized sandstone. Medium-grained, dark green, slightly magnetic. Talcose joints are common. Minor stretched mudstone pebbles. Sheared carbonate veins-5% of the core. Well-foliated at 60 deg..	60		
			46.5-50 Conglomeratic, with 20% pebbles of red and white calcite, 1", stretched.			
			50 Becomes generally finer-grained.			
			58-58.5 White spots similar to pebbles at 46.5 to 50			
			69-70 1/4" pink and white calcite veins.			
			90-104 Non-calcareous.			
			97 Becomes non-magnetic.			
			104-107 Whitish, very calcareous.			
			112.25 Red, calcareous band at 50 deg..	50		
			117 2" calcite-quartz vein at 56 deg..	56		
			119 Calcite veining to 10 %			
			131-132 Shearing with carbonate veins. Oriented at 40 deg..	40		
			133.25 Gouge, 1/4" with talc, chlorite and calcite. Oriented at 38 deg..	38		
			135 Red and white, calcite-filled fractures oriented at 40 and 13 deg..	40,13		
			140 Foliated at 47 deg..	47		
			150 Becomes non-calcareous except for white calcite-filled fractures.			
			152.5-153 Reddish-grey.			
			164.5-165 Broken-up, gouge at 57 deg..	57		
			161-165.5 3" calcite-filled shear. Oriented at 63 deg..	63		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Altered Sandstone (cont.)	173.5-175,180.5-181.5,185.5-186.5,190 Conglomeratic, grey-green mudstone and calcareous syenite porphyry pebbles. Foliated at 48 deg..	48		
			204-205 Shearing with carbonate filling. Shears at 55-90 deg..	55-90		
213.50	244.75	Syenite Porphyry	Grey-red, calcareous, magnetic, chloritic. Pyrite? Red and white amorphous masses of carbonate, 1/2". Chloritic xenoliths up to 1".			
			239-244.75 Up to 30% sheared calcite veins at 22 and 46 deg..	22,46		
244.75	266.50	Altered Sandstone	Identical to previous sandstone at 23 to 213.5 Calcareous patches and non-magnetic.			
266.50	307.50	Syenite Porphyry	Identical to previous porphyry at 213.5 to 244.5 but with fine, disseminated pyrite. Slightly foliated at 49 deg.. Thin calcareous shears and fractures are common and are oriented at 16, 70 and 3 deg..	49 16,70 3		
307.50	357.00	Altered Sandstone	As at 244.75 to 266.5. Calcareous, non-magnetic. Talcose with talcose jointing.			
			345 Foliated at 45 deg..	45		
357.00	374.00	Breccia	Sheared and fractured altered sandstone and quartz-carbonate-feldspar veins. Talcose, non-magnetic, calcareous.			
			359,360 Gouge with talc. Oriented at 42 and 70 deg..	42,70		
374.00	380.00	Fractured Syenite	Pink-grey, relatively massive, medium-grained. Quartz veining at 16 and 12 deg.. Chloritic fractures at 85 deg.. Some sericitic shears at 66 deg.. Trace of pyrite.	16,12 85,66		
380.00	390.00	Syenite Tectonite	Similar to 374 to 380 but with quartz-chlorite and carbonate-filled fractures, up to 70% of the core. Disseminated, euhedral pyrite, 1/4", rotated. Sericite shears at 66 deg.. Carbonate fractures at 31 deg..	66 31		
			390 Gouge with calcite and sericite at 46 and 80 deg..	46,80		
390.00	396.00	Jasper Sandstone Tectonite	Up to 80%, grey and pink quartz-carbonate veins oriented at 60 deg.. Sericitic shears at 56 deg.. Green, medium-grained, sericitic matrix to the veining. Appears to be a veined version of the following unit.	60,56	410	390-394

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
396.00	700.00	Jasper Sandstone	Green, medium-grained, angular quartz and feldspar. Pyritic and sericitic. Minor flecks of jasper. Minor grey mudstone and rounded chert pebbles. Some talc and calcite fractures. Foliated at 60 to 65 deg..	60-65	70	412-416
			430 Flecks of black slate begin and continue downhole.	-		
			396-409 Still some fracturing and carbonate veining carried over from the previous unit. Especially at 405-409 (at 59 deg.) Talcose, sericitic.	59		
			407 Gouge at 63 deg.	63		
			435 Start to get minor mariposite chips.			
			464-468, 478-480 Conglomeratic. Up to 20% pebbles of chert and mudstone with minor grey porphyry and mariposite. More slate chips.			
			530 1/2" quartz-pyrrhotite vein. Oriented at 52 deg..	52		
			536 1/4" pyrite band at 71 deg..	71		
			574-577 Conglomeratic. Foliated at 65 deg..	65	70	592-596
			589 Sericitic shears at 52 deg..	52		
			603-605.5 Quartz-veins at 35 to 40 deg.. Up to 1/2". With chlorite and pyrite.	35-40		
			637.25 2" quartz, chlorite, sericite, pyrite vein. Some brecciation. Oriented at 49 deg..	49		
651.50	652.50	Aplite	Grey, fine-grained, felsic, uniform, sericitic contacts at 81 and 43 deg..	81,43		
652.50	680.00	Breccia	Jasper sandstone criss-crossed by quartz, sericite, chlorite and talc fractures.			
			657 Gouge at 40 deg..	40		
			661 Gouge at 29 deg..	29		
			662.5 Gouge at 16 deg..	16		
			680 3-4" pink carbonate vein at 62 deg..	62		
			679-682 Fine-grained, dark grey-green mudstone, silicic, pyrite.			
700.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-16
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Sept. 15, 1985
DATE COMPLETED: Sept. 18, 1985
DATE LOGGED: Sept. 19, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 0+50 S / 72+83 E; Railway Grid;
TRUE BEARING: 323 deg.
TOTAL FOOTAGE 802.00
CLAIM NUMBER: L 720953
PROPERTY NAME: AZA
HOLE DIP TESTS: 60 @ 0; 56 @ 100; 56 @ 200; 56 @ 300; 52 @ 400; 47 @ 500; 43 @ 600; 42 @ 700; 38 @ 800
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	38.00	Casing				
38.00	300.50	Altered Sandstone	Dark green, chloritic, slightly calcareous. Minor grey chert pebbles. Foliated at 39 deg. Calcite-filled fractures are common. Trace of fine, disseminated pyrite. Talcose jointing.	39		
			40-42 Core is broken-up due to talcose fractures with slickensides.			
			48 Thin gouge of calcite, talc and chlorite. Oriented at 42 deg.	42		
			58-72 Slightly magnetic Calcite occurs in bands parallel to the foliation or in white spots up to 1/2" dia.	40		
			80-81 Stretched grey chert pebbles.			
			89 Thin gouge at 25 deg.	25		
			92-104 Grey, uniform, little fracturing. Slightly magnetic			
			104 Start to get white calcite-filled fractures again. Slightly magnetic. Reddish tinge. Foliated at 34 deg.	34		
			104 Becomes non-magnetic.			
			155-156.5 Quartz-calcite veins, with talc and chlorite.			
			155.5 Gouge of ground chlorite, talc and calcite. Oriented at 38 deg.	38		
			159-173 Disseminated calcareous, white spots. Grey mudstone pebbles.		70	174-178
			156-180 Slightly magnetic.			
			195-233 Slightly magnetic.			
			188 1/2" calcareous fractures at 70 and 0 deg.	70,0		
			222.5-230.5 Conglomerate, 80% gravel-size pebbles red (syenite?) and grey mudstone and chert pebbles. Oriented at 40 deg.	40		
			Calcite veins up to 3" thick at 70 deg.	70		
			259-260 Mudstone pebbles flattened parallel to the foliation at 43 deg.	43		
			270-273 Grey mudstone pebbles.			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
300.50	302.50	Syenite Porphyry	Intrusive, reddish grey. Red and white, 1/4", calcareous, amorphous phenocrysts. Fine disseminated pyrite. Magnetic. Calcareous. Calcareous fractures, 10%, oriented at 16 and 62 deg.	16,62		
302.50	504.25	Altered Sandstone	Identical to sandstone at 38 to 300.5 Foliated at 60 deg. Calcareous zones associated with 5% calcite veining (1/4" dia.). Otherwise non-calcareous.	60		
			302.5-408 Slightly magnetic.			
			361.5-362.5 Broken-up by talcose fractures and calcite veins. Oriented at 28,50 and 60 deg.	28,60 50		
			370 Starts to become generally calcareous.			
			463-471.5 Quartz-carbonate veins, 5".			
			483 Calcite veining - 5% generally. Becomes more chloritic. Foliated at 59 deg.	59		
			486-496.5 White dolomitic spots, up to 1/4", 60% of core.			
			471 Gouge at 36 deg.	36		
504.25	513.25	Syenite Porphyry	Intrusive. Pink-grey with pink amorphous phenocrysts. Foliated at 50 deg.. Calcareous, magnetic and fine, disseminated pyrite.	50		
513.25	550.00	Altered Sandstone	Similar to previous altered sandstones. Chloritic, fine pyrite. Dark-grey to red-grey. Calcareous. Foliated at 45 deg. Magnetic down to 525.	45	140	520-524
550.00	592.00	Tectonite	Medium-grained chlorite and calcite. Pink to dark green. Disseminated pyrite. Well-foliated at 52 deg. Brecciated and fractured quartz-carbonate-feldspar veins, up to 50% of the core. Talc, sericite and chlorite breccia matrix.	52	70	552-554.5
			554.5-555.5, 560.25-565 Pink, less chloritic, non-magnetic, fine disseminated pyrite, calcareous. Phenocrysts? This could be originally a syenite.			
			565 Becomes non-calcareous.			
			575 Appears to become a sheared, altered jasper sandstone. Paler, less chloritic.			
			583-592 Fine-grained, yellowish, brecciated mudstone.		820 750	581-585 585-589
			583 Foliated at 57 deg.	57	210	589-592
			587 Foliated at 42 deg.	42		
			590 Foliated at 63 deg.	63		
592.00	802.00	Jasper Sandstone	Green, medium-grained. Angular quartz and feldspar. Non-calcareous, non-magnetic, sericitic, disseminated pyrite. Relatively massive.			
			611 1" quartz-carbonate-sericite vein oriented at 52 deg. Minor rounded, 1" chert pebbles	52	140	620-624

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
			708-725 Mariposite chips, up to 2" long.			
			736 Chloritic fractures, oriented at 72 deg..	72		
			729, 747 Grey, quartz vein, 2". Oriented at 36 deg..	36	70	740-744
			750 Quartz vein and gouge oriented at 69 deg..	69		
			757-761 Fracturing with quartz-feldspar veining. Sericite alteration.		70	756-760
			767 3" quartz vein with sericite and dolomite. Oriented at 42 deg..	42	70	764-768
			796-802 Conglomeratic. Scattered black chips of slate, green mariposite, grey mud and chert. Foliated at 48 deg..	48		
802.00		End of Hole	All core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

HOLE NO. 85-17

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Sept. 18, 1985
DATE COMPLETED: Sept. 20, 1985
DATE LOGGED: Sept. 21, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 0+50 N / 62+93 E; Railway Grid;
TRUE BEARING: 323 deg.
TOTAL FOOTAGE 607.00
CLAIM NUMBER: L 720953
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 42 @ 100; 35 @ 200; 31 @ 300; 30 @ 400; 28 @ 500; 26 @ 607
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	34.00	Casing				
34.00	362.00	Altered Sandstone	Dark green, medium-grained, chloritic with disseminated pyrite. Talcose joints are common. Well-foliated at 38 deg.. Minor flattened, grey-green pebbles of mudstone, up to 2". Slightly calcareous. Calcite-filled fractures are also common at 50 deg. Some white calcareous spots up to 1/2".	38 50		
			36 1" rounded syenite porphyry pebble with white phenocrysts of feldspar. Calcareous.			
			46 Band of grey mudstone pebbles.		140	42-50
			49 Band of grey mudstone and syenitic pebbles.		70	50-54
			Syenite have calcite rims containing		140	54-58
			pseudomorphs of feldspars.		70	58-70
			78.5-86.5 1/4" to 1/2" pebbles of grey mudstone and calcareous nodes. Nodes are likely altered syenite.		70	78-82
			86.5 Gouge of calcite, chlorite and talc at 47 deg..	47	270	86-90
					140	90-94
			95-105 Magnetic		70	94-98
			101-104 Gravel-size calcareous spots.			
			103.5 Gouge as at 86.5		70	102-106
			107-110 10% sheared calcite veins parallel to foliation.	38	70	114-118
					140	118-122
			110-113 Core is broken-up by talcose fractures.			
			125-128.5 Gravel-size calcareous spots.			
			176.5-177 Carbonate veining at 36 deg.	36		
			182 Quartz-carbonate veining at 55 deg..	55		
			191-215 Slightly magnetic.			
			195-196 White, 1/4", calcareous spots.			
			220-225 Foliation wanders. Calcite-filled fractures at 62 deg..	62		
			225 Stretched, flattened mudstone pebbles.			
			240 Calcite veining parallel to foliation at 50 deg..	50		
			251.5-252.5, 253 Stretched mudstone pebbles.			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Altered Sandstone (cont.)	259-260 Core is broken-up by talcose fractures. some gouge at 40 deg..	40		
			275 Foliated at 63 deg.	63		
			Very uniform, black and talcose.			
			317-353 Magnetic			
			325 Foliated at 78 deg.	78		
362.00	442.50	Tectonite	Sheared talc, chlorite and carbonate veins parallel to foliation at 62 deg..	62		
			Up to 70% calcite veins.			
			362.5 Thin chlorite, calcite and talc gouge at 62 deg..	62		
			Calcareous down to 402.			
			387-388.5, 391-392.75 Fractured, brecciated porphyry component. Reddish grey, magnetic. Fine disseminated pyrite. White, amorphous calcareous masses up to 1/2". Carbonatized.		70	387-388.5
			406 Gouge of calcite, talc and chlorite. The tectonite becomes non-calcareous, but still mostly brecciated quartz-carbonate veining. Gouge is oriented at 78 deg..	78		
			412.5-413.5, 414.5-423.5 Fractured syenite porphyry component as before but paler and non-magnetic.			
			423.5-442.5 Sericitic, paler. May be a tectonized jasper sandstone. Disseminated pyrite.		820	431.5-435.5
			Bottom 2' is fine-grained and yellowish.		210	435.5-439.5
			Shearing is at 66 deg..	66	410	439.5-443.5
442.00	602.00	Jasper Sandstone	Green. Angular quartz and feldspar with flecks of jasper. Relatively massive, and uniform. Sericitic. Disseminated pyrite, 5%. Non-calcareous and non-magnetic.			
			The first 5' is bleached to a yellow-grey.			
			455-456 Sericite, chlorite and carbonate shears at 64 deg.	64		
			492-493 Irregular calcite fractures.			
			498.75 Sericite-pyrrhotite vein at 56 deg., 1/4"	56		
			460 Start to get black flecks of slate.			
			509 Start to get minor mariposite chips, up to 1".			
			512 Minor grey chert and yellow mudchips up to 2".			
			540 1" white quartz vein at 74 deg.	74		
			540.5 Pink carbonate vein, 1", at 74 deg.	74	340	547-551
			548.5-552 Chlorite, sericite fractures. Minor quartz-carbonate veins. Slightly sheared at 64 deg.	64	70	551-555
			562-570 Talcose fractures, irregular.		70	566-570
			577-578 Quartz-carbonate-chlorite-filled fractures mostly at 35 deg.	35		
			564 Blue, 1/4", quartz vein. Oriented at 9 deg.	9		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Jasper Sandstone (cont.)	587 Pebbles of grey chert and mudstone with minor mariposite and grey porphyry. Up to 20% pebbles.		70 70	586-590 602-607
607.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Sept. 26, 1985
DATE COMPLETED: Sept. 27, 1985
DATE LOGGED: Sept. 28, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 17+50 N / 0+20 W; Instant Pond Grid
TRUE BEARING: 302 deg.
TOTAL FOOTAGE 500.00
CLAIM NUMBER: L 721137
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 46 @ 100; 45 @ 200; 44 @ 300; 43 @ 400; 42 @ 500
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	6.00	Casing				
6.00	71.00	Basalt Flows	Dark grey-green. Fine-grained, slightly magnetic. Non-calcareous. The upper part of this unit is generally very fractured with calcareous-epidotic filling. Also specular hematite and/or stringers of chalcopyrite in the fractures. Fractures are oriented at 0 to 80 deg.	0-80		
					70	6-10
			Chalcopyrite stringer, up to 1" long, in fractures		70	14-22
			at: 7-8, 16, 33, 39.5, 40.5.		210	30-34
					70	38-42
			Becomes finer grained towards what appears to be a flow contact at 45.5			
			Chalcopyrite stringers at 53, 56-57			
			50-51.5 Core broken-up by hematitic, calcite fractures.		70	50-58
			57-72 Core is broken-up by hematitic, calcitic fractures or chloritic fractures oriented 0, 37, 57 deg.	0,37 57		
			64.5 Plagioclase? phenocrysts up to 1/4". Pale green.			
			68, 76-77 Chalcopyrite stringers.		550	74-78
			76 Core is broken-up by hematitic calcite-filled fractures.			
71.00	105.50	Basalt Flow Breccia	Fine-grained basalt, rounded masses in coarser grained basalt. Otherwise similar to the previous unit.			
			74 Angular basalt fragments in a calcite vein. 6" thick.			
			83-84 Breccia with epidote alteration and 10% stringers of epidote.		680	82-86
			86.5, 88, 87.5, 94 Stingers of chlacopyrite.		70	86-90
			96.5-97.5 Core broken-up by hematitic calcite fractures			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
			90-91 Fractured at 35 deg. with 10% chalcopyrite.	35		
			103.5 1" quartz vein. Very fine-grained to either side - flow contact?			
105.00	122.50	Basalt Flows And Flow Breccia	Similar to the previous two unit but the core is less broken-up. Still have calcite and hematite-filled fractures, mostly at 37 and 11 deg.	37,11		
			119.5-122.5 Fine-grained angular basalt fragments in paler epidotic basalt.			
122.50	147.25	Altered Syenite.	Green-grey to red. Medium-grained, uniform, black pyroxenes. No pyrite, non-calcareous, slightly magnetic. Chloritized xenoliths of gabbro. Calcite-filled fractures are common at 40 deg.	40		
			130-132 Calcite veins at 40 deg. up to 1" thick. Syenite is pinkish. Some brecciation.	40		
147.25	177.00	Basalt Flows And Flow Breccia	Similar to unit at 105-122.5 but less calcareous fractures. Evidence of flow brecciation down to 164. Fine-grained, pale green basalt in coarser, dark green basalt. Non-calcareous, non-magnetic. White flecks of leucoxene.			
177.00	191.75	Quartz Vein	White, massive quartz vein with inclusions of angular, chloritic basalt fragments. Percentage of fragments seems to increase downhole.			
			Some calcareous fractures at 10 deg..	10		
			Lower contact oriented at 34 deg.	34		
			177.5-180 Gouge of ground quartz, chlorite and calcite			
191.75	228.50	Basalt Flows	Similar to basalt flows in previous units. slightly magnetic, non-calcareous.			
			191.75-203.5 Some tectonic brecciation. 10% irregular quartz veins at 58, 78,and 35 deg.			
			203.5 2" quartz vein with an angular basalt fragment.	58,78,35		
			218-224 Calcite-chlorite veins, 1/4", 20%. At 18, 0, and 54 deg.	18,0,54		
			225.5-228.5 Quartz veins, 20% of core. 1/4". Oriented mostly at 53 deg..	53		
228.50	236.75	Altered Syenite	Identical to previous altered syenite. Considered altered because of the dark colour of the feldspars. Non-calcareous and non-magnetic. No pyrite. Little calcareous fracturing. Inclusions of leucoxene, chloritized gabbro.			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
236.75	344.00	Basalt Flows And Flow Breccia	Similar to previous flow units but more uniform. Non-calcareous, slightly magnetic. Minor calcite-filled fractures at 35 and 50 deg..	35,50		
			236.75-237.5 Tectonic Breccia with chlorite-calcite gouge.			
			251-270 Large rounded basalt fragments in fine-grained basalt. Matrix 10%. Some masses have epidotic rims.			
			267 Start to get carbonate-filled fractures at 5 and 30 deg..	5,30		
			275-277 Finer-grained, breccciated. Likely a flow contact.			
			278-280 Bleached and epidotic, bleached and fractured. Fractures at 51 and 5 deg.	51,5		
			280-280.5 Quartz-carbonate vein - flow contact.		70	277-281
			283 1" Calcite-specularite vein.		140	309-313
			297.25-301.5 Flow breccia similar to 250-270			
			305 Chlorite-pyrrhotite fracture at 23 deg..	23		
			307.5 Pillow selvage?			
			321.5-325 Fine-grained some flow breccia.			
			325-325.25 Carbonate selvage at 60 deg..	60		
			329-334 Yellow and white carbonate fractures.			
			341-344 Finer-grained towards a flow contact at 344			
344.00	373.50	Pillowed Basalt	Fine-grained masses of basalt delineated by very fine-grained bands, up to 2" thick every 1-3'. Bands are likely selvages.			
			367.5 Selvage with chalcopyrite.		140	365-369
			Yellow carbonate at lower contact.			
373.50	399.25	Basalt Flows	Uniform basalt similar to previous flow units. Slightly magnetic, non-magnetic. Large yellow-green masses to 1/4", likely feldspar. These masses common.			
399.25	411.00	Tectonic Breccia	Grey-green, carbonatized. Fine quartz veins and many hairline fractures. Calcareous. Appears shattered. Originally basalt.			
			341 Quartz veins at 52 deg..	52		
			400 Quartz veins at 36 deg..	36		
			409.5 Stringer of chalcopyrite in quartz-carbonate vein. Oriented at 20 deg..	20		
			405-406.5 Irregular quartz veining with dolomitic rims.			
			405.5 Thin, chloritic gouge at 36 deg.. Yellow carbonate fractures are common after the gouge.	36		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
411.00	433.50	Basalt Flows	Similar to basalt flows up-hole. 417.5-419 Paler, calcareous. 418-427.5 Calcareous, paler with white calcite veins up to 1/2" thick at 66 deg. Green chlorite-carbonate veinlets with a trace of chalcopyrite, oriented at 64 and 35 deg.			
433.50	484.00	Tectonic Breccia	Very fractured basalt with 2-3% stringers of chalcopyrite in matrix and in fractures tending to 14 deg.. Amount of chalcopyrite depends on the degree of brecciation.		820 410	433.5-437.5 442-446
			439-442 Little chalcopyrite or brecciation. 451-453 Fine-grained, yellow-green, epidote alteration. 445, 45.5 Quartz-carbonate veins oriented at 52 deg.. 454.5 1/4" carbonate-specularite vein 461.5 1/2" chalcopyrite-pyrrhotite vein at 32 deg. End of chalcopyrite. 459-470.5 Calcareous carbonatized zone. Pale brown-grey. Centred on a yellow, sericite-quartz mylonite zone. Shearing at 55 to 655 deg..		890 210	458-461 461-465
			Near the lower contact the basalt becomes more brecciated. Basalt fragments with a chloritic matrix.		210	477-481
484.00	500.00	Feldspar Porphyry	Red-grey, medium-grained with white plagioclase phenocrysts. Massive with fine disseminated pyrite. Inclusions of basalt and/or chloritic masses up to 2" dia. 491.5 Fine fractures with chalcopyrite at 28 deg..			
500.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-19
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Sept. 27, 1985
DATE COMPLETED: Sept. 28, 1985
DATE LOGGED: Sept. 29, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 16+50 N / 0+10 W; Instant Pond Grid
TRUE BEARING: 302 deg.
TOTAL FOOTAGE 357.00
CLAIM NUMBER: L 721137
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 45 @ 100; 43 @ 200; 43 @ 300
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	20.00	Casing				
20.00	85.00	Feldspar Porphyry	Red, medium-grained with hematitic stained laths of plagioclase and minor phenocrysts of zoned k-spar. Magnetic. Flow foliated at lower contact at 52 deg. Minor disseminated pyrite and chalcopyrite. Chloritic xenoliths of gabbro. Calcite-filled fractures at 55,5,22 deg.	55,5,22		
			52-55.5, 60-61, 64-64.5 Calcareous, grey.			
			60-64.5 Carbonatized, pale grey-green, very altered.			
			62 1/2" white calcite vein, chloritic.			
			62 Blebs of pyrite. 1/4" quartz vein, some shearing at 44 deg..	44		
			85 Bottom contact is oriented at 85 deg..	85		
85.00	90.00	Basalt	Massive, green, fine-grained, slightly magnetic. Hematitic fractures at 52 deg.. Epidote rich fractures at the upper contact oriented at 19 deg..	52,19		
			87.5 Bleb of chalcopyrite.			
90.00	105.50	Basalt	Similar to previous basalt at 85-90 With yellow-green, 1/4" phenocrysts-plagioclase? At 92-94 Epidote rich fractures are common and are oriented at 34 deg.. Irregular chalcopyrite blebs in fractures at 80,73,29 deg., about every foot.	34 80,73 29		
105.50	126.25	Syenite	Similar to the matrix of the previous feldspar porphyries, but lacking the red-stained plagioclase. Grey to dark orange-red. Fine disseminated pyrite. Chloritic xenoliths. Non-magnetic, non-calcareous.			
			114.5-116 Basalt-inclusion.			
			122-124.5 Irregular fractures with calcite-chlorite-pyrite. Centered at 123			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
126.25	149.00	Basalt	Similar to the previous basalt flows but the first 2 feet appear flow brecciated. Slightly magnetic.			
			126.5 Chalcopyrite in a carbonate-filled fracture oriented at 48 deg..	48		
			136-139.5 Crackle-breccia with white calcite matrix filling.			
			140 Start to get calcareous zones. Calcite-filled fractures are common.			
			141 Many fine, white calcareous fratures at 29 deg.	29		
149.00	193.50	Feldspar Porphyry	Fractured, sheared and veined but otherwise similar to the porphyry at 20 to 85. Unsheared zones tend to be magnetic and hematitic. The sheared zones are usually greyer, calcareous and non-magnetic.			
			173.5-188 Not too sheared, reddish.			
			149-150.5 Grey, calcareous.			
			151 Shearing at 21 deg..	21		
			163 Strongly foliated at 40 deg.. Carbonate veining at right angles to the foliation at 29 deg	29		
			152, 155, 156, 165, 166-167, 176.5-180, 181.5-185,		70	185-189
			191.5-193.5 Calcareous and grey		620	189-193.5
			149-168 10-20% quartz-carbonate veins at 30 deg..	30	270	193.5-197.5
			Irregular blebs of chalcopyrite in calcareous fractures increasing to 3% by lower contact. Magnetism depends of amount of shearing.			
193.50	339.00	Basalt Flows	Similar to previous basalt flows. Grey-green, fine-grained and uniform.			
			193.5-200 Minor chalcopyrite in calcite-filled fractures at 52 and 19 deg.	52,19		
			193.5-195.5 Calcareous.			
228.00	232.25	Breccia	Calcareous. Yellow-green epidote-carbonate zone containing rounded basalt fragments. Minor chalopyrite in the matrix at 228-228.5.			
			241.5 Chloritic shear at 50 deg..	50		
			241.5-247 Slightly brecciated. Chlorite matrix. Fractured at 18 and 69 deg..	18,69		
			262.5, 274 Talc-carbonate-chlorite filled shears at 52 deg.. Trace of chalcopyrite.			
			307-308 Irregular chloritic fractures.			
			337-339 Calcareous fractures at 7 deg.. Core broken-up.	7		
339.00	357.00	Syenite	Similar to the syenite at 105.5 to 126.25. Grey with a reddish tinge. Massive, non-magnetic, slightly calcareous.		70	351-355

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite (cont.)	349-353 Yellow carbonate-epidote breccia as at 228-232.5. Minor chalcopyrite, calcareous.			
357.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-20
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Oct. 1, 1985
DATE COMPLETED: Oct. 2, 1985
DATE LOGGED: Oct. 3, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 12+17 N / 0+20 W; Instant Pond Grid, Line 0 ref.
TRUE BEARING: 154 deg.
TOTAL FOOTAGE 300.00
CLAIM NUMBER: L 531698
PROPERTY NAME: AZA
HOLE DIP TESTS: 47 @ 0; 47 @ 100; 48 @ 200; 47 @ 300
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	17.00	Casing				
17.00	22.00	Basaltic Intrusion	Sub-volcanic basalt intrusion. Fine to medium-grained plagioclase laths. Non-magnetic and non-calcareous.			
22.00	50.00	Fracture Zone	Very fractured basalt. Broken-up, pebble-size fragments due to numerous calcite-hematite-filled fractures. The fractures are mostly oriented at 3, 34, and 46 deg.. Slightly calcareous.	3, 34 46		
50.00	95.50	Basalt Flows	Dark grey-green, fine-grained. Calcite veins up to 1/2" are common and are usually accompanied by epidote alteration aureoles.		270 3300	50-54 54-58
			72.5, 82 Blebs of chalcopyrite with epidote and calcite, up to 1".		70 70	74-78 82-90
			93.25-95.5, 107, 108 Brecciation with calcite-chlorite filling. With blebs and stringers of pyrite and chalcopyrite up to 5%. Breccia is surrounded by calcite and chlorite alteration.		70 210	95.5-107.5 107.5-111.5
95.50	300.00	Pillowed Basalt	The basalt is similar to basalt in the previous unit but divided by selvages every 1-4 feet. The selvages are oriented at various angles and are composed of carbonate, chlorite and minor pyrite and chalcopyrite. The pillows have finer-grained margins and some calcareous variolites. Uniform, calcareous and magnetic. Calcareous fractures common at 24 deg..	24	70 70 140 70 270 70 140 10330 680	111.5-120 124-132 136-140 140-144 144-152 152-156 156-164 164-168 168-172
			170 Grey, calcareous selvage.		140	172-176
			171-172 Flow breccia. Epidote-rich, calcareous. Chlorite and minor pyrrhotite.		70 410	176-180 180-184
			189 5" quartz-carbonate-feldspar vein with shearing at 79 deg.. Grey calcareous zone 2.5 feet above and below.	79	210 2190	184-188 188-192

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Pillowed Basalt (cont.)	200-201 Chalcopyrite-pyrrhotite-filled fractures with epidote alteration.		1440 2050	196-200 200-204
			221 4" quartz-carbonate vein oriented at 28 deg. 2-3" grey, calcareous alteration aureole.	28	140 480	204-208 208-212
			222-223 Silicification, breccia, grey. Quartz veins and shears at 40 deg.. Disseminated euhedral pyrite.	40	140 70 70	212-216 216-224 228-240
			Still have pyrite in selvages. Also epidote alteration around the selvages.		140 70	240-244 244-256
			241-242, 251-252 Breccia with a clear dark quartz vein. Epidote-rich basalt chips and disseminated euhedral pyrite, blebs of chalcopyrite.			
			253-300 Pillow basalt, uniform. Near the 300' mark the selvages are spaced at every 5'.			
300.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-21
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Sept. 29, 1985
DATE COMPLETED: Sept. 30, 1985
DATE LOGGED: Oct. 1, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 15+02 N / 0+20 W; Instant Pond Grid, line 2 W ref.
TRUE BEARING: 334 deg.
TOTAL FOOTAGE 300.00
CLAIM NUMBER: L 721137
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 46 @ 100; 46 @ 200; 46 @ 300
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	12.00	Casing				
12.00	300.00	Basalt Flows	Dark green, slightly magnetic, non-calcareous, minor chlorite-filled flow brecciation.			
					140	12-16
			18-30 Calcite-filled fracture at 0 deg..	0		
			20 6" ground-up, missing.			
			30 Chalcopyrite with a epidote-calcite bleb.		70	28-32
			54 Flow contact. 2-3" quartz-carbonate with 2-3'		140	32-36
			of fine-grained basalt to either side.		270	36-40
			Calcareous with many fine calcite-filled		140	52-56
			fractures at 59 and 74 deg..	59,74	70	56-72
			66-67 Shattered and sheared with chlorite.			
			Oriented at 12 deg..	12		
			Fine to 1/2" Calcite-epidote-filled fractures at 64			
			deg.. are common.	64		
			69-72 Irregular fractures with epidote, chlorite,			
			calcite and chalcopyrite. Epidote alteration			
			aureole.			
			66-77 Calcite-hematite-filled fractures at 0 deg.	0		
			76-77 Flow breccia. Rounded basalt masses with			
			fine-grained rims. Interstitial pyrite and			
			chalcopyrite.			
			Irregular chloritic fractures are common.			
			114-117 Becomes calcareous. Fine white flecks may			
			be leucoxene. Irregular calcite-filled			
			fractures.			
			118-122 As at 114-117			
			145-146.5 Chlorite shears at 45 deg.. Some	45		
			brecciation. Non-calcareous and fine,			
			disseminated pyrite.			
			149-152 Calcite-epidote-filled fractures with a			
			calcareous aureole. Blebs of chalcopyrite.			
			159.75-163 Breccia. Angular, yellow-green basalt			
			in a matrix of chlorite, epidote and basalt			
			Epidote fractures have stringers of		210	159.75-163
			chalcopyrite.			

* - Plane feature is core [illegible] to core axis

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Basalt Flows (cont.)	Irregular chloritic fractures become common after 163			
			173.5, 187, 190, 191 Epidote-carbonate-filled fractures at 56 deg.. Epidote alteration.	56		
			192-194.5 Flow breccia. Fine-grained basalt fragments with a calcite-epidote matrix. Fine, disseminated pyrite. Fractures at 32 deg..	32		
			Slightly magnetic to non-magnetic.			
			202-204.5 Epidote-carbonate alteration-breccia. Yellow-green with irregular masses of basalt. Calcareous.			
			204.5 1" Calcite-chlorite vein at 18 deg..	18		
			204.5-207 Hematite staining associated with hematite-calcite-filled fractures.			
			204.5-211 Irregular, wandering epidote-chlorite-carbonate-filled fractures.			
			227-229 1/2" Calcite-filled fracture at 47 deg..	47		
			233.5-261.5 Irregular chlorite zones separates the basalt into rounded masses of basalt. Pyrrhotite-pyrite in chlorite, 2%.			
			258 Very brecciated. Foliated at 0-20 deg..	0-20		
			268.5-273 Finer grained. Shattered texture. Chips of angular basalt with calcareous zoning towards the centre of the chips. Wandering fractures. Calcareous.			
			282-284 1/2" Calcite veins at 16 deg.. Serpentine	16		
			284-291 Alot of irrregular chloritic fractures.			
			299-300 Calcite-epidote alteration, grey.		70	293-297
300.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-22
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Sept. 27, 1985
DATE COMPLETED: Sept. 29, 1985
DATE LOGGED: Sept. 30, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 1+92 W / 15+02 N; Instant Pond Grid;Line 2 ref.
TRUE BEARING: 334 deg.
TOTAL FOOTAGE 300.00
CLAIM NUMBER: L 721137
PROPERTY NAME: AZA
HOLE DIP TESTS: 47 @ 0; 47 @ 100; 47 @ 200; 46 @ 300
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	52.00	Casing				
52.00	73.50	Basalt	Dark green, fine-grained, pyritic. Calcite-hematite and epidote-filled fractures are common usually at 3, 61, 18 deg.. Non- calcareous, slightly magnetic.	3,61		
			52.5-54 1/4" calcite-fractures at 58 deg..	58	70	52-56
			73.5 Contact oriented at 34 deg.	34	70	60-64
73.50	216.00	Feldspar Porphyry	Red-grey, Stained red, magnetic. Medium-grained, white-red plagioclase laths and 1/4" zoned k-spar zoned phenocrysts, subhedral. Upper contact is finer grained, chilled. At 57 the unit is flow-foliated at 60 deg. Chloritic xenoliths up to 1". Slightly calcareous. Fine white flecks of calcite and calcite-filled fractures. Calcite-epidote fractures are common and oriented at 47, 73, 60, 0 deg..	60 47, 73 60, 0		
			87.25 Chalcopyrite stringer, 1" long.		210	85-89
			Hematite stain is associated with fine fractures at 28 deg..	28		
			133.5-115.5 Core is broken-up by chloritic, calcareous fractures oriented at 15 and 76 deg..	15 76		
			116.25-122 Grey with white feldspars			
			118 core is broken-up.			
			118.5 1/2" white quartz vein, green silicification aureole. Also calcite veining oriented at 60 deg..	60		
			135-136, 139.5-140.5 Calcareous fractures with chlorite-calcite alteration aureole.			
			146.5 1/2" calcite veins at 12 deg..	12		
			154.5-156, 175-176 Chlorite-calcite veins. Core is broken-up.		210	153-157

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Feldspar Porphyry (cont.)	177.5 Turns grey, calcareous and non-magnetic. 211 Becomes more calcareous to a pale red-grey at the lower contact.		70	213-216
216.00	240.00	Brecciated Basalt	The basalt is similar to the basalt at 0 to 52 feet. The degree and form of brecciation is variable. Upper contact is oriented at 63 deg.. Calcite-filled fractures up to 2" mostly at 55 deg.. Also irregular chloritic fractures. Some gouge on fractures. Basalt is fine-grained, dark-green, massive, uniform, slightly magnetic, no visible pyrite, non-calcareous	55		
			216-219 Very brecciated, chlorite matrix. 220 Shearing at 25 deg.. 239-240 Very brecciated. Fractures tend towards 68 deg..	25 68		
240.00	241.00	Augite Syenite	Dark red k-spar, magnetic with black, euhedral hypersthene. 40% hypersthene. Calcareous. Lower contact is oriented at 70 deg..	70		
			241 Gouge at 66 deg., 2". Ground chlorite and quartz.	66		
241.00	252.50	Brecciated Basalt	Similar to previous at 216-240. Non-calcareous, slightliy magnetic.			
			241-243 Quartz vein and shearing at 66 deg.. 1" white carbonate stringers.	66		
252.50	262.00	Basalt Intrusion.	Sub-volcanic intrusion. Fine-grained but coarser than the flows. Plagioclase phenocrysts? Slightly magnetic and non-calcareous. Irregular calcareous fractures 5%. Fine white flecks could be leucoxene pseudomorphs of magnetite.			
			252.5 Foliated at 90 deg.. 262 Foliated at 20 deg..	90 20		
262.00	277.75	Basalt Flows	Similar to basalt at 52-73.5			
			Some quartz veining with pyrrhotite oriented at 53, 20, 28 deg..	53, 20 28		
277.75	300.00	Brecciated Basalt	Chlorite with angular to rounded fragments of basalt.			
			282-285 Irregular quartz veins, 1/4".Some are oriented at 21 and 61 deg.. 287 Quartz-carbonate vein, 2" thick, oriented at 30 deg.. 294-300 Blebs of pyrite up to 1/4".	21,61 30		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
300.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-23
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Oct. 2, 1985
DATE COMPLETED: Oct. 5, 1985
DATE LOGGED: Oct. 6, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 11+88 N / 1+93 W; Instant Pond Grid, Ref. Line 2W
TRUE BEARING: 302 deg.
TOTAL FOOTAGE 503.00
CLAIM NUMBER: L 721137
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 45 @ 100; 45 @ 200; 46 @ 300; 46 @ 400; 46 @ 500
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	5.00	Casing				
5.00	67.00	Pillowed Basalt	Dark green, fine-grained, magnetic, non-calcareous basalt. Separated into pillows by calcite-chlorite-selvages with minor chalcopyrite and pyrite. Minor calcareous, epidote-rich zones. Calcite-filled fractures are common at 49 deg..	49		
			26 Hematite-calcite-filled fractures.			
			8.5-10 Small flow breccia zone with angular to rounded fragments of basalt in salvage material.			
			38, 42-45 Darker, calcareous zones.			
67.00	82.00	Breccia and Flows	Every 5' there is a cycle of flow breccia similar to 8.5-10, grading into massive basalt in the bottom 2-3' of the interval.			
82.00	122.00	Flow Breccia	Similar to the breccia zones in the previous units but continuous. The matrix has calcareous inclusions. Very magnetic. Calcareous zones.			
122.00	210.00	Basalt Flow and Flow Breccia	Similar to previous basalt units generally calcareous and with a trace of disseminated pyrite.			
			131.5-136 Shearing at 43 deg..	43		
			131.5 6" grey quartz-chlorite vein with 1% chalcopyrite and oriented at 45 deg..	45		
			136 Similar quartz-chlorite vein oriented at 41 deg..	41		
			135-137, 141.5-143.5, 154-157, 174-175 Flow Breccia zones with stringers of chalcopyrite.			
			180-181 Shearing with 1/2" white carbonate veins oriented at 54 deg..	54		
			185 Start to get calcite-epidote fractures at 14 deg..	14	70	190-194
			200, 202 1" calcite veins at 90 deg..	90		
			207-209 Flow breccia			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Basalt (cont.)	Zones of calcite-epidote alteration.			
210.00	233.50	Pillowed Basalt	Identical to pillows at 5 to 67			
			211.5 3" Carbonate vein at 69 deg.. Grey, sheared and calcareous for 2' above and below.	69		
233.50	242.50	Syenite?	Red to grey intrusion with chilled margins. Mostly k-spar with irregular masses of chlorite, 1/2". Slightly foliated at 46 deg.. Non-magnetic and non-calcareous. Red hematite stain associated with fracturing. Bottom contact is oriented 40 deg..	46 40		
242.50	392.00	Pillowed Basalt	Identical to previous at 5-67.		70	250-254
			Non-calcareous with minor calcareous zones.		70	274-278
			Stringers of chalcopyrite in selvages.		270	282-286
			289.5 Chlorite-calcite veins and shearing at 64 deg.. Has a 2' grey calcareous alteration zone to either side.	64		
			Calcareous fractures common at 64 deg.. Minor fractures at 0 deg..	64 0		
			311.5 Similar to veining at 289.5. With stringers of chalcopyrite.			
			315-316.5 Intrusion, possibly the same rock as at 233.5-242.5. Grey, medium-grained, no pyrite, foliated at 36 deg.. Non-calcareous, and non-magnetic.	36	70 270	321-325 325-329
			325.5, 336 1-1/2" carbonate vein at 64 deg..	64		
			334.5-336 Calcareous.			
			336-342 Grey, fine-grained, irregular calcareous fractures up to 1/4".			
			339.5 2" calcite vein at 38 deg..	38		
			346-355 minor hematitic fractures at 32 deg..	32	140	341-349
			362.5-363, 366.5-367 Flow breccia zones		340	361-365
			366.5, 371.5 1/2" carbonate veins with hematite and epidote. There are also epidote-rich fractures surrrounding the vein at 58 deg.	58	70	369-377
			388-388.5 Broken-up by gougey fractures at 47 deg..	47		
392.00	417.50	Fracture Zone	Basalt with irregular calcite, chlorite and dolomite filled fractures up to 1.2" thick. Degree of fracturing is variable but increases downhole.			
			402.5-412 Calcareous, greyer.			
			403-417.5 Blebs of pyrrhotite, 5%, with minor stringers of chalcopyrite associated with the chloritic fractures only.		70	413-417
417.50	419.25	Pyroxene Syenite	Similar to pyroxene syenite in 85-22. Grey-red feldspar with black, euhedral hypersthene. Non-calcareous, magnetic, inclusions of			

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite (cont.)	serpentinized gabbro.			
419.25	419.50	Gouge	Green, ground chlorite, talc, serpentine, quartz and calcite. Oriented at 46 deg..	46		
419.50	459.00	Fracture Zone	Chloritized basalt. Non-magnetic, calcareous. Thin gouge zones about every 3-4' at 67 deg.. Irregular calcite-chlorite fractures amd blebs of pyrrhotite.	67	70	433-437
459.00	503.00	Basalt Intrusion	Likely sub-volcanic or a thick flow unit. Possibly start at 434, in the fracture zone.		140	489-493
			Slightly magnetic, calcareous, uniform.		70	493-497
			Pyrrhotite in chlorite-calcite-filled fractures,		890	497-501
			2%. Fine to medium-grained.		70	501-503
			Fine carbonate-filled fractures at various angles are common.			
503.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Oct. 5, 1985
DATE COMPLETED: Oct. 7, 1985
DATE LOGGED: Oct. 7, 1985
LOGGED BY: R. Anderson / R. Burkhart
GRID LOCATION: 16+75 N / 0+50 W; Instant Pond Grid, Line 0 ref.
TRUE BEARING: 302 deg.
TOTAL FOOTAGE 496.00
CLAIM NUMBER: L 721137
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 46 @ 100; 47 @ 200; 45 @ 300; 45 @ 400; 46 @ 496
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	28.00	Casing				
28.00	75.00	Basalt Flow	Dark green, fine-grained, slightly chloritic and trace of pyrite. Non-magnetic and non-calcareous.		70	28-32
			Varying degrees of epidote alteration associated with epidote-carbonate fractures oriented at 22, 54 and 8 deg..	22,8 54	140	32-36
			37 1/2" bleb of chalcopyrite.			
			55-56 Hematite-calcite-filled fractures up to 1/4" at 28 deg..	28	70	40-44
			60-62 Carbonate veins with chalcopyrite, 1/4". Oriented at 20 to 30 deg. Some chlorite and epidote. Chlorite occurs as blebs and stringers, 5-10%.			
			62-75 1/4" white calcite veins with specularite. About every foot and oriented at 27, 38 and 54 deg.	27,38,54	210	60-64
75.00	181.00	Feldspar Porphyry	Red to grey, medium-grained, non-calcareous. Plagioclase laths and k-spar phenocrysts are stained red. Disseminated pyrite, 2%. Slightly foliated at 45 deg.. Calcite-hematite-filled fractures are common, 1/4-1/2" and oriented at 0 and 50 deg.. Xenoliths of fine-grained syenite and irregular chloritic masses up to 1". Slightly magnetic.	45 0,50		
			81-84 Epidote alteration of plagioclase laths.			
			85-88 Grey, carbonatized.			
			94.5 3" quartz-calcite vein with angular chips of feldspar porphyry.		140	123-127
					70	127-131
			134.5, 137 As at 94.5 but without the calcite.			
			126 Stringers of chalcopyrite 1-2" long in chlorite calcite fractures oriented at 35 deg..	35		
			139-140, 148-150 Grey, chloritic and carbonatized.			
			150 Starting from this point, the porphyry becomes increasingly greyer, more carbonate rich and the mafic minerals go to chlorite.			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Feldspar Porphyry	Quartz veins are common at 37 deg., 5%.	37		
			158-181 Fractures at 0 and 22 deg. They are slightly chloritic and calcareous and extensively break up the core.	0,22		
181.00	197.00	Basalt Flows	Similar to flows at 28-75 but fractured and very chloritic.			
			193 Gouge of chlorite and calcite at 37 deg..	37		
			196.5 Gouge of chlorite and calcite at 64 deg..	64		
197.00	198.50	Grey Feldspar Porphyry	As at the bottom of 75 to 181. Chloritized and carbonatized.			
198.50	201.00	Basalt Flows	Chloritized basalt, as at 181-197.			
201.00	202.50	Pyroxene Syenite	Grey-red feldspar with black euhedral hypersthene. Calcareous and magnetic.			
			201, 201.5 - Chloritic gouge oriented at 70 deg.	70		
202.50	204.00	Quartz Vein	Massive, clear-white quartz with angular chloritic inclusions.			
204.00	211.50	Grey Feldspar Porphyry	As at 197-198.5. Chloritic and carbonatized. 1/4" quartz-filled fractures are common at various angles			
			207.75 - 3" quartz-filled fracture at 59 deg..	59		
211.50	213.00	Basalt Flows	Chloritized, as at 181-197			
213.00	216.50	Feldspar Porphyry	Non-magnetic, non-calcareous. Less alteration than the previous feldspar porphyries but still grey, carbonatized and with chloritized mafics. Irregular quartz veins 5-10%.			
216.50	272.50	Basalt Flow and Flow Breccia	The basalt is similar to the basalt at the top of the hole, non-magnetic, non calcarous, fine-grained and dark-green. Also has 5-10% irregular carbonate-filled fractures. The flow breccia zones have rounded, fine-grained and pale fragments of basalt in a matrix of coarser, chloritic and darker basalt. Fractures with chlorite and talc are common at a range of angles. Some with slickensides. The dominant orientation of the fractures is between 25 and 45 deg..	25,45		
			253 Start to get 1/2" blebs of pyrrhotite, 3%			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Flow Breccia (cont.)	Fine to medium-grained, mostly rounded fragments up to 6" dia. Weakly magnetic and finely fractured at various angles but mainly at 90 or 0 deg.. Quartz-carbonate veinlets less than 1/4" thick, 5%. Hematite as fracture staining. Pyrite-pyrrhotite 2%, some as finely disseminated crystals but mainly as blebs, 3/16" or less in size, between breccia fragments.	90,0		
			263 Minor shear.			
272.50	287.00	Basalt Flow	Fine-grained, pillowed with minor flow breccia. Weakly fractured, moderately magnetic. Quartz-carbonate veinlets, 2%, as above. Hematite as above. Pyrrhotite-pyrrite, 3%, as blebs to 1/4", in breccia zones.			
			274.5 Specularite vein, 1/3".			
287.00	384.00	Altered Basalt Pillows	Fine-grained, pillowed. Weakly to mderately altered. Weakly calcareous in more altered intervals. Weakly to moderately magnetic. Lightly fractured. Vesicles are filled by medium green mineral, usually softer than the basalt. Pyrite-pyrrhotite, 1%, mostly distributed as blebs or as squarish masses to 3/16". In 3 places to 5% in 1" or less thick rim zones, with minor chalcopyrite.			
			288, 302 1/3" specularite vein at 70 deg..	70	70	304-308
			312 6" Fracture zone with 2" massive then fine ramifying quartz-carbonate and chlorite veining.		70	320-324
			334 6" fracture zone with thick hematite coatings.		480	340-344
			354, 375 4" zones as at 312		70	344-348
					480	352-356
384.00	466.00	Altered Basalt Pillows	Fine-grained. Moderate fracturing with 3% quartz veinlets, 1/16" or less wide. Carbonate now confined to rims in 1/16" veinlets and decreasing downwards. Weakly to moderately magnetic down to 445 then non-magnetic to 466. Few 1" to 6" breccia or inter-pillow zones are light grey to greenish made up of fine veinlets, mostly quartz, with minor epidote and carbonate. Minor hematite fracture staining. Pyrrhotite-pyrite, 1-2% scattered throughout interval, as blebs to 1/8" or squarish masses of similar size and to 5% in rim zones as irregular patches.		70	388-396
					70	400-404
			436.5-437.5 Brown weathered zone of fracturing with quartz-carbonate veining.		70	432-436.5
					70	437.5-441
			456 1/4" Slickensided shear			

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
466.00	496.00	Syenite Porphyry	Feldspars are grey to pinkish, generally 1 mm wide by 3 mm long. Zoned. Upper 4' dark green groundmass with 10% scattered fine feldspar laths. Central typical zone changes to medium green altered, fractured rock at 485, with 8% veins to 1/4" thick and at various angles, of quartz, epidote and minor hematite. Non-magnetic. < 1% pyrite as fine specks		70	478-482
496.00		End of Hole	All core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-25
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Oct. 8, 1985
DATE COMPLETED: Oct. 10, 1985
DATE LOGGED: Oct. 10, 1985
LOGGED BY: R. Burkhart
GRID LOCATION: 29+45 N / 5+20 E; Instant Pond Grid
TRUE BEARING: 196 deg.
TOTAL FOOTAGE 401.00
CLAIM NUMBER: L 721139
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 44 @ 100; 44 @ 200; 43 @ 300; 42 @ 400
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	12.00	Casing				
12.00	43.00	Basalt	Massive flows, medium-green, altered, fine to medium-grained. Non-magnetic. Heavy fracturing with minor shear slickensides, at various angles, but mostly 70-80 or 0-10 to core. 7% vein fracture fillings, mainly carbonate with minor epidote, hematite and quartz. Pyrite 1% as fine sprinklings on fractures or in fine veinlets and blebs.	70-80 0-10	70 210	12-16 16-20
43.00	100.50	Syenite	42-73 Dark green. Trachytic. Minor pinkish hematite staining around epidote and carbonate filled fine fractures. Groundmass is aphanitic to fine-grained About 8% scattered dark green fragments, probably rip-up clasts from depth. Some rounded, some squarish, others shard-like. Unevenly scattered. Weakly magnetic. Pyrite,1-2%, as scattered blebs and patches, or fine veinlets.			
			73-85 Upper contact is gradational. Reddish, porphyritic. Even-grained, with phenocrysts mainly medium-grained feldspars. Weakly fractured, with carbonate on fractured or in 1% scattered veins to 1/8". Weakly magnetic. Pyrite <1%, with rare arsenopyrite, on fractures.		70	77-81
			85-94 Dark green mafic syenite or trachyte. Sharp contacts at top and bottom. 8% dark crystals or crystal fragments, probably hornblende, weakly flow oriented at 55 deg. Lightly fractured with 3% hematite-coated, 1/4", carbonate veins. Weakly to moderately magnetic. Pyrrhotite, scattered blebs, 2%.			
			94-100.5 Reddish. Porphyritic, aphanitic groundmass. Feldspar and hornblende phenocrysts, medium to coarse-grained. Feldspars are mostly pink stained. Blocky, fractured, some rubbly core. 4% carbonate veining at 90 or 25 deg.. Few dark green xenoliths. Weakly to moderately magnetic.	90,25		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite (cont.)	Pyrrhotite <1% mainly in fine clusters near the top contact.			
100.50	108.50	Basalt	Massive flow. Dark to medium-green. Both contacts are sharp. Possibly a xenolith. Weakly magnetic. Highly fractured. Minor gouge. Some rubbly core. 5% carbonate veins to 1/4", mostly 70-80 deg.. Pyrite <1% on fractures only	70-80		
108.50	190.00	Syenite	108.5-141 Massive, reddish, porphyritic. Phenocrysts mostly reddish to light grey medium-grained feldspar with minor hornblende. Few dark green xenoliths to 3" dia.. Weakly to moderately magnetic. Lightly fractured, 1% carbonate veins, 1/16", <1% fine-grained, interstitial pyrite.		70	116.5-120
			141-154 Dark green, porphyrytic. Weakly oriented hornblende crystals at 60 deg.. Upper contact is sharp, lower is gradational. Lightly fractured, with 1-2% fine carbonate veins to 1/16" Minor hematite on fractures. Moderately magnetic. Pyrite <1%, as fine clusters or fracture fillings.	60		
			154-190 Same as from 108.5 to 141, but 2% carbonate veins to 1/4", with minor epidote. Sharp lower contact.			
190.00	194.00	Basalt	Massive, medium-grained. Same as from 100.5 to 108.5, probably a xenolith.			
194.00	401.00	Syenite	194-201.5 Reddish, massive, porphyritic. Aphanitic groundmass, Phenocrysts are mostly grey feldspar, with a few hornblende. Moderately fractured with 8% carbonate veins to 1/4". Also calcareous gouge on some fractures and some rubbly core. Weakly magnetic. Pyrite <1%, as crystal masses.			
			201.5-219 Dark greenish grey rock, massive. Porphyritic with sparse scattered phenocrysts of medium to coarse-grained feldspar and hornblende. Fracturing, veining and gouge same as from 194-201.5 Probably part of syenite but contacts are rubbly and obscure. Non-magnetic. Pyrite as rare fine specks.			
			219-271 Reddish, massive and porphyryitic. Aphanitic groundmass with phenocrysts mainly feldspar, few hornblende, both are mostly medium-grained with scattered coarse-grained. Fractures, veining and gouge same as from 201.5 to 219, down to 245. Moderate fracturing from 245 to 271, with 2% carbonate veins to 1/16" at various angles. Non- to weakly magnetic. Rare small clusters			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite (cont.)	of pyrite 271-372 Mixed. Grey to slightly to very reddish stained. No internal contacts, but variably: a) Porphyritic with evenly scattered medium-grained feldspar phenocrysts. b) Porphyritic with even mix of feldspar and hornblende phenocrysts. c) Trachytic with dark green crystals or randomly scattered rip-up clasts, weakly oriented at 70 deg..	70		
			Weak to moderate fracturing with 5% carbonate and minor quartz and epidote veins to 1/4" at various angles. Hematite coatings on some fractures. Non- to weakly magnetic. Rare fine pyrite.			
			372-401 Moderate to severe fracturing with rock type, pyrite and magnetism as above. Preferred fracture orientation approx. 40 deg., some offsets along fractures. Also minor shearing.	40		
			393 1" gouge in a very weathered zone.			
			Few thin veins of hematite. Basalt xenoliths to 2'.		70	396-400
401.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Oct. 10, 1985
DATE COMPLETED: Oct. 13, 1985
DATE LOGGED: Oct. 14, 1985
LOGGED BY: R. Burkhart
GRID LOCATION: 29+60 N / 7+20 E; Instant Pond Grid
TRUE BEARING: 196 deg.
TOTAL FOOTAGE 472.00
CLAIM NUMBER: L 721139
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 45 @ 100; 44 @ 200; 44 @ 300; 42 @ 400; 39 @ 470
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	6.00	Casing				
6.00	23.40	Basalt	Calc-alkalic. Medium green, aphanitic. Probably fracture filling around fragments of variable size and composition, including adjacent syenite. Lightly fractured. Minor epidote and hematite on fractures. Non-magnetic except near some sulphides. Py/po <1% as fracture fillings and small patches. Sharp but uneven contact.			
23.40	242.00	Syenite	Sequence of related syenitic rocks. All are lightly fractured and fairly fresh, with exceptions as noted.			
			23.4-58 Reddish, massive, porphyritic. Phenocrysts are mostly feldspar with some hornblende. Mainly medium-grained but with a few scattered coarse-grained. Feldspars are grey to pinkish. Few dark green angular rip-up clasts to 1". Minor carbonate on fractures. Minor hematization near fractures. Very weakly magnetic. Pyrite, 1%, in scattered grains and patches. Sharp lower contact at 80 deg.	80		
			40 Minor shearing in brown weathered zone.			
			58-76 Mafic syenite, dark green, 10% irregularly scattered darker, green, rounded clasts and spicules which in places show weak flow foliation at 75 deg.. Lower 2' have more feldspar phenocrysts	75		
			Xenoliths to 1 1/2' size of enclosing syenite and medium greyish-green breccia. 1% carbonate and chlorite veining at 45 deg.. Weakly magnetic. Pyrite, 1%, in patches. Gradational lower contact.	45		
			76-85 Same as from 23.4 to 58. Gradational lower contact.			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite (cont.)	85-125 Dark greenish grey, massive. Porphyritic Phenocrysts even mix. Fine to medium-grained feldspar and hornblende. Some feldspars red altered near fractures. 3% scattered, rounded dark green clasts to 8 mm. 3% carbonate-chlorite veins to 3/16" Mostly at 45 deg. but a few are irregular, ramifying, fine. Weakly magnetic. Pyrite, 1% as scattered grains and fracture fillings. Lower contact, over 1', appears to be this rock filling fractures in the next.			
			125-134 Same as from 23.4-58, but slightly larger phenocrysts. Lower contact is obscure, may be digestion effect on stoped fragments of this rock in chill margin of the next.			
			134-144 Same as from 85-125 but with only 1-2% chlorite-carbonate-filled fractures to 1/8". At about 70 deg.. Veins mostly chlorite. Lower contact is distict and uneven. Two rock types look the same except for the difference in grain size.	70	140 820 70	134-138 142-144 144-148
			144-205 Reddish, massive, porphyritic. Phenocrysts mainly feldspar with lesser hornblende, Medium-grained with few scattered coarse-grained. Continues fresh and lightly fractured as for this entire interval from 23.4. But bottom 5' becoming more reddish, fractured. 3% Rip up clast xenoliths, to 1 1/2", angular. 1% fine chloritic veining, with little or no carbonate. Weakly magnetic. Rare fine pyrite.			
			225-242 Rock type as above but very reddish and highly fractured, with some shearing and gouge. 209-210.5 50% sandy gouge and slickensided fragments. Chloritic. Weakly calcareous.. 218-225.5 20% sheared, fragmented core with shear slickensiding and minor gouge. Chloritic and calcareous in broken zones. Pyrite is highest in the two above broken intervals but still <1%, as fine grains, patches and veinlets Few grains in one carbonate vein. Sharp, very uneven lower contact.			
242.00	254.50	Basalt	Calc-alkalic. Medium green, aphanitic. Probably apophysis into syenite. Texture abscured by moderate fracturing healed by 4% carbonate-chlorite veins to 1/4". Syenite xenolith, 6". Non to weakly magnetic. Rare speck of pyrite. Lower contact, sharp, uneven.		70	245-253
254.50	271.00	Syenite	Same as from 205-242. Rare speck of pyrite, rubbly boundary.		70	254-258

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite (cont.)	254.5-255.5 Broken, rubbly. 257.5, 259 2" Rubble 270-271 Broken, rubbly with minor shearing.			
271.00	292.00	Basalt	Calc-alkalic. Medium green to greenish grey. Aphanitic groundmass. Porphyritic in central part with 1-2 mm feldspar phenocrysts. Finely fractured with 4% carbonate-chlorite veins to 3/16", anastomosing, ramifying. Non-magnetic. Pyrite, <1% as fine specks and small patches, mainly on fractures. Chill margin at bottom with a sharp, uneven contact			
292.00	297.50	Syenite	Reddish, massive, porphyritic, non-magnetic. Lightly fractured with 2% carbonate-chlorite veins at 0 or 70 deg.. Scattered fine pyrite <1%. Slight concentration at lower contact, which is sharp, uneven.	0 70		
297.50	334.00	Basalt	Calc-alkalic. Same as from 271-292. Large block of syenite from 321-329.5. Lower contact sharp at 70 deg..	70		
334.00	375.00	Syenite	Reddish, massive, porphyritic. Phenocrysts are medium-grained, mostly feldspar, some hornblende. Lightly fractured with 1% carbonate-chlorite veins to 1/8" at various angles. 2% irregularly scattered, rounded and angular, dark green clasts to 3/4", Non-magnetic. 1/2" chill margin at upper contact, unexpected. Possibly altered by basalt. Rare speck of pyrite. Sharp but uneven lower contact. Looks like fine-grained chill margin in basalt with minor alteration effect in the syenite.			
375.00	472.00	Basalt	Calc-alkalic. Greenish grey, massive, porphyritic. Aphanitic groundmass with 1-2 mm feldspar phenocrysts. Some intraformational 1-2' long segregations entirely aphanitic or darker grey with 2-3% scattered fine dark green (pyroxene?) crystals. Moderate chloritization. Lightly fractured, with 4% carbonate veins at mostly 50 deg.. Gougey shear at 401.5. Also some quartz-healed fractures. Minor epidote, Non-magnetic. Pyrite, 2%, as blebs to 5mm or grains or fracture fillings, mostly evenly scattered throughout core, but some clustering to 5%. 456.5-459 3% rounded cavities to 4 mm perhaps from altered and removed mafics now filled with quartz, chlorite remnants and occasional pyrite.	50		
472		End of Hole	All core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-27
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Oct. 13, 1985
DATE COMPLETED: Oct. 16, 1985
DATE LOGGED: Oct. 16, 1985
LOGGED BY: R. Burkhart
GRID LOCATION: 29+53 N / 8+93 E; Instant pond Grid
TRUE BEARING: 196 deg.
TOTAL FOOTAGE 510.00
CLAIM NUMBER: L 721139
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 44 @ 100; 44 @ 200; 43 @ 300; 41 @ 400; 39 @ 510
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	8.00					
8.00	44.50	Syenite	8-19.5 Dark green, mostly slightly reddish stained. In places weak, variable flow orientation of 6% blackish mineral grains or rounded and angular clasts, irregularly scattered, to 8 mm. chloritic. Moderately fractured with 3% carbonate fracture-filling veins, to 1/8". Weakly magnetic. Pyrite, 1-2%, as fine grains, blebs to 3 mm and fine vein fillings. Lower sharp contact, uneven. 19.5-34 Grey syenite. Mostly massive, but in places obscure flow orientation. Porphyritic.Medium-grained feldspar phenocrysts. Reddish alteration, confined to near fracture zones and contacts. Some chlorite alteration. 7% scattered dark green rip-up clasts, mostly angular. Moderate fracturing with 3% carbonate and chlorite veins to 1/8", various angles. Weakly magnetic. <1% scattered fine pyrite. Lower contact is obscure. 34-44.5 Same as from 8-19.5, but carbonate veins 5%, to 1/4" and <1% pyrite. Rock change is distinct but lower contact obscure.			
44.50	62.00	Basalt	Calc-alkalic. Medium to light mottled green, chloritic. Porphyritic, but rock is mainly aphanitic groundmass with fine-grained feldspar phenocrysts only occasionally visible. May be partly autoclastic breccia. Moderate fracturing at various angles with 3% veins of carbonate and chlorite to 1/8". Also quartz with minor pyrite filling some irregular fractures to 1/4". Non-magnetic. Pyrite 1% with quartz and blebs to 3 mm. Lower contact distinct, uneven.		70	44.5-48
62.00	78.50	Syenite	62-65 Block of reddish, porphyritic, massive. Medium-grained feldspar and hornblende phenocrysts			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
			with few scattered coarse-grained feldspar. Rare fleck of pyrite.			
			65-67 Possibly basalt with syenite and basalt xenoliths. 8% carbonate veins to 1/4" at 80 deg.. Rare speck pyrite.	80		
			67-78.5 Syenite as from 62-65 in central massive part. Grades to 2' zone on both contacts which is dark green, only about 15% phenocrysts (as opposed to crowded above), and flow orientation at 80 deg.	80		
			Moderate fracturing with 2% carbonate and chlorite veins to 1/16" at 80 deg.. Weakly to moderately	80		
			magnetic. Rare speck pyrite. Upper contact very uneven but lower is sharp at 80 deg..	80		
78.50	117.00	Basalt	Calc-alkalic, medium to light greyish green.		210	82.5-86
			Aphanitic except for few inches long porphyritic		140	102-106
			intervals showing fine green altered feldspar phenocrysts. Syenite xenoliths to 2' dia.			
			Mottling may indicate 10% autoclastic breccia.			
			Moderate fracturing with 3% carbonate and chlorite veins to 1/4" with preferred orientation 60 deg.:	60		
			Minor hematite on the fractures. Groundmass is non-magnetic. <1% pyrite as fine patches and fracture veins except see below.			
			115-117 1/4" vein, 95% pyrite, 5% carbonate at		70	110-115
			115.5		140	115-117
			1/8" vein 15% pyrite 85% carbonate at 116.5			
			Lower contact is sharp at 55 deg..	55		
117.00	150.00	Syenite	Reddish, massive, porphyritc. Groundmass is aphanitic. Phenocrysts mainly feldspar, lesser hornblende, crowded, medium to coarse-grained.			
			3% dark green rip-up clasts to 1 1/2".			
			Lightly fractured with 1% carbonate and chlorite veins to 1/16" at various angles. Weakly magnetic.			
			Rare speck of pyrite. Lower contact is sharp at 80 deg..	80		
150.00	162.00	Basalt	Same as from 78.5 ito 117 but only 1% carbonate/ chlorite veins. Minor quartz veins/ Pyrite <1% as scattered fine patches.			
162.00	236.00	Syenite	Same as from 117-150 but more coarse-grained		140	162-166
			Phenocrysts of feldspar. Fracturing is now moderate,		140	195-203
			with 4% carbonate-chlorite veins to 1/4". And		550	203-207
			increased pyrite but still <1%.		70	207-211
					70	219-223
			178.5-179 Includes a 3" vein of quartz and			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite (cont.)	carbonate with 5% blebs of brassy pyrite, 6° intense hematization either side. Lower contact sharp at 75 deg..	75		
236.00	270.00	Syenite	Dark green, in places slightly reddish. Massive, porphyritc. Aphanitic to fine-grained groundmass. Phenocrysts are mostly feldspar. Lesser mafic mineral, about 30%, even-grained, medium-grained (about 1x2mm), evenly scattered. Highly fractured in places but otherwise moderately fractured with 4% veins carbonate and minor chlorite, to 1/4", preferrred orientation 65 deg.. Very weakly magnetic Hematite on some fractures. < 1% pyrite as grains and patches.	65	70	236-239.5
			239.5-240.5 Sheared rubble and gouge.		210	239.5-240.5
			255.5-270 Moderate to severe fracturing with about 5% sheared rubble. 1/2" gouge at 256.		140	240.5-244
			Rock change distinct but lower contact in rubble hard to pinpoint.			
270.00	291.50	Basalt	Calc-alkalic, Medium green, aphanitic, massive. Moderate fracturing with 8% carbonate and chlorite veins, fine to 1/8". Minor hematite veining. Non-magnetic. <1% pyrite as fine blebs and fracture fillings, increasing to 1% in lower 2'.			
291.50	306.00	Trachyte	Mafic. Medium to dark green, 10% darker green to blackish clasts, angular, fragmental, irregularly scattered, to 3/4". Also a few scattered light grey or mafic altered clasts. Groundmass aphanitic to fine-grained. Possible weak flow foliation in places but unit is mostly massive Chloritization. Lightly fractured with 2% carbonate-chlorite veins to 3/16". Minor hematite on fractures. Weakly magnetic. Pyrite <1% as blebs in carbonate veins. Lower contact is ragged at 90 deg..	90		
306.00	322.00	Basalt	Calc-alkalic Medium-green, massive. Mostly aphanitic but about 10% porphyritic with fine-grained feldspar phenocrysts. Patchy chloritic alteration. 2' xenolith mafic trachyte. Lightly fractures with 3% carbonate veins. Pyrite <1% as scattered fine grains and blebs.		70	278-282

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
322.00	333.50	Trachyte	Mafic. Same as from 291.5 to 306			
333.50	338.00	Syenite	Block of reddish, massive, porphyritic. Phenocrysts, medium-grained feldspar and hornblende with a few scattered coarse-grained. Continues lightly fractured. Not magnetic. Pyrite <1% as fine grains. Upper and lower contacts sharp, very uneven.			
338.00	356.00	Basalt	Calc-alkalic. Same as from 306-322. Pyrite still <1%, but some as fine veinlets. Lower contact sharp but very uneven.		70 210 70	350-354 354-356 356-360
356.00	399.00	Syenite	Reddish, massive, porphyritic. Phenocrysts of medium-grained feldspar and hornblende, crowded. 5% dark green clasts to 6". Mostly rounded. Minor chloritic alteration. Lightly fractured with 1% carbonate veins to 1/8", at various angles, except for 1" vein in 2' very reddish interval from 379-381. Weakly magnetic. <1% scattered fine pyrite. Lower contact sharp and irregular.		70 70 70 210 70 680	364-368 372-376 385-389 389-393 393-397 399-403
399.00	440.00	Basalt	Calc-alkalic. Medium greyish-green, but uneven, mottled due to chloritic alteration and silicification in places. Mostly aphanitic but porphyritic in places with fine-grained mafic or feldspar phenocrysts. Light to moderate fracturing. Mostly healed with fine carbonate and chlorite veining. Minor hematite on fractures. Non-magetic. Pyrite, 1% as fine grains, blebs and veinlets. Lower contact at 40 deg..	40	70	403-407
440.00	454.00	Syenite	Dark reddish grey. Could be logged elsewhere as mafic trachyte. Massive, medium-grained, with 10% scattered blackish green clasts, angular to rounded to 1/2". Lightly fractured with 2% carbonate-chlorite veins to 1/8" at various angles. Non-magnetic. Pyrite 1%, as scattered grains. Lower contact uneven, indistinct.		70 70	444-452 454-462
454.00	474.50	Basalt	Same as from 399-440', But <1% pyrite. Xenoliths syenite. Lower contact shows this unit as flow around syenite fragments.			
474.50	495.00	Syenite	Reddish, massive, Porphyritic. Aphanitic groundmass with 30% phenocrysts fine to medium-grained feldspar and hornblende, few scattered coarse-grained feldspar. 2% angular clasts to 1/4". Two xenoliths 6" and 2' dia. of massive tholeitic basalt. Lightly fractured with 1% fine			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite (cont.)	Carbonate-chlorite veining, except 8% to 1/8" in thaleitic basalt. Non-magnetic. 1% pyrite as scattered veins or patchy contratioons near fractures Notable bleaching and chloritization near both contacts. Lower contact sharp at 45 deg..			
495.00	510.00	Basalt	Calc-alkalic. Medium green, massive, mostly aphanitic but in places distinctly porphyritic, with fine-grained feldspar phenocrysts. Upper 2' show chloritization, silicification and minor epidote. Moderate fracturing with 2% fine chlorite-carbonate and hematite veins. Non-magnetic. Pyrite, <1% as fine clumps in fractures.			
510.00		End of Hole				

* - Planar feature is measured relative to core axis.

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Oct. 16, 1985
DATE COMPLETED: Oct. 17, 1985
DATE LOGGED: Oct. 18, 1985
LOGGED BY: R. Anderson / R. Burkhart
GRID LOCATION: 7+84 E / 32+00 N; Instant Pond Grid
TRUE BEARING: 180 deg.
TOTAL FOOTAGE 351.00
CLAIM NUMBER: L 721139
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 43 @ 100; 42 @ 200; 41 @ 300
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	8.00	Casing				
8.00	82.00	Basalt	Calc-alkalic, medium-grained, green and massive. Ground-mass is aphanitic but 10% short intervals porphyryitic with F.G. feldspar or mafic phenocrysts. Most feldspars are light green altered. Mottling due to chloritization and silicification. Xenoliths are dark reddish syenite with 30% phenocrysts and 10% dark green clasts at 18-27.5, 32-32.5, 49-52, plus a few smaller blocks. Also one xenolith of F.G. massive tholeitic basalt. Moderate fracturing with 4% veins of mostly quartz and chlorite with minor carbonate. Fine to 1/4". No preferred orientation.		70	12-16
					70	27.5-32
					70	38-42
					140	46-49
					70	49-60
			58.5 2" silicified fractured zone, 1/2". Vein with quartz, chlorite and carbonate at 33 deg...	33		
			72.5 2" silicified zone, minor shearing.			
			Non-magnetic.Pyrite 1%, mostly as blebs in fractures Lower contact at 75 deg., indistinct.	75		
82.00	100.50	Trachyte	Mafic, dark green with 10% blackish, angular fragments to 3/16". Fairly regularly scattered. Some chloritic alteration. Moderate fracturing with 3% quartz-chlorite-carbonate veins to 1/4". Minor hematite on fractures. Non to weakly magnetic. Pyrite <1% as irregularly scattered, blebby concentrations. Lower contact is obscure and uneven		70	86-90
			99-99.5 Sheared at 40 deg.. Quartz-carbonate-chlorite veins, 80%. No sulphides.	40		
100.50	117.00	Syenite	Reddish, massive, porphyritic. 60% phenocrysts. F.G. feldspar and hornblende. Some chloritic alteration. 3% rip-up clasts, dark green, rounded, to 1/2". Moderate fracturing with 1% veins of quartz-chlorite-carbonate. Weakly magnetic. Rare speck of pyrite. Lower contact is sharp and uneven at approximately 90 deg..	90		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
117.00	163.50	Trachyte	Mafic, same as at 82 to 100.5, but lightly fractured with 2% veining.			
			151-163.5 Pyrite 3%, as blebs, patches and fine veins.			
163.50	164.50	Contact Zone	Brecciated and healed. 3% pyrite.			
164.50	172.00	Basalt	Calc-alkalic, medium-grained and aphanitic, chloritic, siliceous and pyritic. Minor hematite on fractures. Some healed tectonic breccia. Later fracturing is light with 2% quartz-chlorite veins to 1/8". Non-magnetic. Pyrite is 3% in scattered grains or irregular fracture veins to 1/4". Lower contact is sharp at 40 deg..	40		
172.00	217.00	Trachyte	Mafic, same as at 82-100.5 but light fracturing with 2% veins to 1/8". Three xenoliths, reddish, porphyrytic syenite to 4'. Weakly magnetic. Pyrite 1-2% as scattered patches.			
			193-193.5 3% bright brassy pyrite in veinlets in syenite xenoliths.		140	193.5-197
217.00	268.00	Breccia	Silicified, bleached, brecciated basalt. Aphanitic. Broken-up by chloritized trachyte or fine-grained syenite. The amount of brecciation and/or trachyte matrix is variable. Basalt fragments are rounded to angular. The trachyte is often epidotic and hematite stained. Slightly magnetic, non-magnetic. Pyrite 2%. White carbonate-filled fractures 1-2% oriented at 60, 14, 16 deg..	60,16 14		
			245 Brecciation example: 2" green trachyte vein intruding into basalt. Aureole, 6" to either side. Aureole is brecciated, bleached pyritic and rehealed. Vein is oriented at 72 deg..	72		
			254-257 Matrix has white, 1/4" feldspar phenocrysts			
268.00	279.50	Syenite Porphyry	Intrusion, Red to grey with white phenocrysts of feldspar in a matrix of finer feldspar and chloritic hornblende. Greyer, fewer phenocrysts near the contacts. Minor chloritic xenoliths and disseminated pyrite. Some thin calcareous fractures at 42 and 34 deg.. Magnetic and non-calcareous.	42 34		
279.50	292.75	Breccia	Identical to breccia at 217-268. Magnetic and non-calcareous. Up to 10% pyrite-pyrrhotie, especially near lower contact.			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Breccia (cont.)	289-293.5 Up to 20% white carbonate fractures. Irregular and angular but tending to 27 deg. mostly.	27		
292.75	299.50	Syenite Porphyry	Intrusion, identical to 268-279.5. 3% thin calcareous fractures at 31 deg..	31		
			297.5, 298.5 Pyrite veins, 1/4", oriented at 76 deg..	76		
299.50	328.50	Breccia	Identical to breccia at 217-268			
			301-302 Carbonate-quartz vein with angular brecciated basalt fragments. Oriented at 11 to 19 deg..	11-19		
			Magnetic and non-calcareous.			
328.50	351.00	Syenite Porphyry	Similar to previous intrusions but fresher looking, not as chloritic. Less veining, non-calcareous and magnetic. Flow foliated at 78 deg..	78		
			Chloritic xenoliths up to 1" dia.			
			338 Calcite-epidote-filled fracture with a hematite stain aureole.			
			348 Calcite-filled fractures, gouge at 29 deg.. Hematite stain aureole, 1' to either side	29		
351.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. B5-29
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Oct. 18, 1985
DATE COMPLETED: Oct. 19, 1985
DATE LOGGED: Oct. 20, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 33+40 E / 4+30 N; Railway Grid
TRUE BEARING: 346 deg.
TOTAL FOOTAGE 501.00
CLAIM NUMBER: L 428853
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 44 @ 100; 44 @ 200; 43 @ 300; 42 @ 400; 42 @ 500
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	8.00	Casing				
8.00	74.50	Trachyte	Fine to medium-grained, reddish, fine disseminated pyrite. Rounded chloritic xenoliths up to 2". Magnetic, non-calcareous			
			9,11 Chlorite-hematite fractures at 23 deg..	23		
			17-30 Greenish coloured - Chloritic? Clusters of epidote. Slightly foliated at 44 deg..	44		
			22 Chloritic shear oriented at 66 deg.. The foliation wanders slightly to either side.	66		
			26-28 Chloritic fractures at 4 deg..	4		
			28-30 Carbonate-filled fractures at 8-36 deg..	8-36		
			33 Start to get 10% irregular white carbonate masses with chloritic rims			
			33-53 Becomes slightly calcareous due to fine, white dolomite? flecks.			
			45 Foliated at 45 deg..	45		
			50 Massive			
			60 Foliated at 44 deg..	44		
			65 Becomes paler, rose coloured and then green by 70			
			70 Chlorite-quartz-carbonate shear at 50 deg.. Minor chalcopyrite.	50		
			70-74.5 Sericitic fractures at 56 deg..	56		
74.50	255.50	Jasper Sandstone	Green, medium-grained, angular quartz, chert and feldspar and minor flecks of jasper. Relatively massive. Disseminated pyrite 3%. Non-calcareous and non-magnetic.			
			84-86 Yellow sericitic mudstone bands, 1/4". 20% of core and foliated at 46 deg.. Sandstone is very chloritic.	46		
			86-94.5 Up to 90% quartz-chlorite-carbonate veins. Irregular, core is very broken-up. Gougey fractures at 5 and 30 deg..	5,30		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Jasper Sandstone (cont.)	Some calcite filled fractures at 85 and 28 deg..	85,28		
			127 3" quartz-carbonate vein.			
			127-127.5 Yellow, sericitic mudchips.			
			136-161 Conglomeratic with rounded pebles of red jasper, grey chert, mudstone and porphyry. Pinkish stain on porphyry pebbles increases downhole. Up to 50% sandstone supported pebbles.			
			138 Yellow, bleached and slightly sheared at 30 deg..	30		
			200.75,211,212 1/2" Chlorite-carbonate-quartz-filled shear. Oriented at 66 deg.. Slight bleaching.	66		
			228.5-300 2" quartz, minor calcite veins			
			255-257 Conglomeratic with 20% pebbles.			
			263-264 Conglomerate with 90% pebbles.			
255.50	288.50	Conglomerate	Similar to previous conglomeratic zones but with 50-95% matrix supported pebbles. Rounded pebbles of grey mudstones and cherts, dark volcanics and rose porphyry. Pebbles up to 2" in jasper sandstone. Pyrite 2-3% in matrix and pebbles.			
			256 Gouge at 44 deg.. Ground chlorite and calcite with quartz-carbonate veins up to 1" thick to either side.	44	70	267-275
			275-277.5 Sericitic fractures, minor fuchsite and quartz-carbonate veins. Foliation at 40-50 deg..	40-50		
			283-285 Medium-grained bleached syenite with xenoliths of conglomerate, jasper sandstone and chlorite.			
			287 Foliated at 62 deg.	62		
288.50	302.00	Altered Trachyte	Green. chloritic, similar to the upper part of unit at 8-74.5. Slightly magnetic and slightly calcareous. Irrecular white calcareous masses and zoned, clayey feldspar phenocrysts.			
			292 2" white calcite vein at 22 deg..	22		
			291-292 Very calcareous.			
302.00	354.00	Jasper Sandstone	Identical to previous jasper sandstone			
			302-304 Conglomeratic with 40% pebbles and slate chips.			
			306-307.5 Conglomeratic with 40% pebbles			
			312-314 Coarse grained, gravelly.		70	314-318
			338.5-343 Conglomeratic with 20% pebbles and gravelly. Foliated at 68 deg..	68		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
354.00	358.00	Altered Trachyte	Green, as at 288.5-307 Slightly calcareous, non-magnetic, no pyrite, massive			
358.00	381.00	Jasper Sandstone	Identical to previous jasper sandstone.			
			366 Start to get scattered, yellow 3" mudchips			
			367-368 Conglomerate 90% pebbles, foliated at 62 deg..	62		
			370.5-372 Intrusion, possible altered leucoxene gabbro. Chloritic, massive, medium-grained. Non-magnetic, non-calcareous. 2% blebs of pyrite.			
			378-381 Yellow mudstone bands up to 3" thick at 50-60 deg.. Trace of fuchsite.	50-60		
			379.5 Chlorite-carbonate-filled fractures and veining at 52 deg.. Fine disseminate pyrite 5%, 6" to either side.	52		
381.00	406.50	Syenite Porphyry	Massive, medium-grained, grey to pink, non-magnetic minor calcareous zones. White to grey, altered K-spar phenocrysts, rounded. Fine chloritic fractures at 55 deg..	55		
406.50	409.75	Altered Trachyte	As at 288.5-307			
409.75	443.00	Syenite Porphyry	As previous syenite porphyry at 381-443			
			419-422 Chloritic, talcose fractures, core is broken-up Oriented at 27, 12, and 68 deg..	27, 12		
			Irregular carbonate veins	67		
			429 4" Altered trachyte.		70	437-441
			443 Bottom contact oriented at 22 deg..	22		
443.00	455.50	Jasper Sandstone	As previous jasper sandstones			
455.50	475.00	Altered Trachyte	Similar to 354 to 358 467.5-475 Calcareous with 1/4", irregular masses.			
475.00	492.00	Jasper Sandstone	As previous jasper sandstones and with siltstone and chert pebbles at 490-492			
			487.5-489 2" Quartz veins at 62 deg..	62		
492.00	501.00	Altered Trachyte	Similar to 354 to 358			
501.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-30
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Oct. 20, 1985
DATE COMPLETED: Oct. 21, 1985
DATE LOGGED: Oct. 22, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 33+40 E / 4+30 N; Railway Grid
TRUE BEARING: 323 deg.
TOTAL FOOTAGE 501.00
CLAIM NUMBER: L 428853
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 44 @ 100; 43 @ 200; 42 @ 300; 41 @ 400; 39 @ 500
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	18.00	Casing				
18.00	21.00	Boulders	Grey trachyte and coarse-grained leucoxene gabbro			
21.00	44.50	Altered Trachyte	Green to reddish. medium to fine-grained, chloritic and slightly magnetic. Non-calcareous. Minor 1", rounded, chloritic xenoliths, massive and no pyrite.			
			41-44.5 Broken-up, silicic. Sericitic and chloritic fractures oriented at 0 and 63 deg..	0,63		
			42 Quartz vein, 1", controlled by dilated fracture.			
44.50	68.00	Porphyritic Trachyte	Altered, greenish and foliated at 52 deg. near the margins. Pink in the middle. White, 1/4" masses of feldspar, 5-10%. Chloritic xenoliths. No pyrite.	52		
			46.5-49 Sub-intrusion, green, coarser-grained. Feldspar phenocrysts are 1/4", grey, zoned and rounded. Hornblende is chloritized. No pyrite.			
68.00	193.75	Jasper Sandstone	Green, medium-grained quartz, feldspar and chert. Minor flecks of jasper. Relatively massive. Sericitic fractures are common at 60 deg.. Non-calcareous and non-magnetic.	60		
			65.5, 69, 82.5, 86.5, 88.5, 150 Gougey chlorite-carbonate shears at 60 deg.. 1/2 to 2" thick.	60		
			117 Quartz vein, chlorite.			
			155-177 10% rounded pebbles of jasper, grey to pink porphyry, grey and green chert and siltstone. Up to 1/2" dia..			
			191, 193, 214 Altered trachyte? Masses of chlorite and talc, 2-6" thick.			
193.75	202.00	Altered Trachyte	Similar to previous altered trachyte but with xenoliths of leucoxene gabbro up to 2". Non-magnetic.			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
202.00	305.50	Jasper Sandstone-Conglomerate	Similar to previous sandstone at 68 to 193.75 but more conglomeratic.			
			215-236 Bands of conglomerate. Grading indicates tops to be uphole. Up to 95% pebbles approximately every 3'.			
			249, 253.5 1-2" bands of chlorite and talc. Oriented at 55 deg..	55		
			247 20% pebbles			
			249-250 Quartz vein, 1/2", oriented at 32 deg..	32		
			249-252 Sericitic shears at 33 deg..	33		
			268 Quartz vein, 3/4, oriented at 60 deg..	60		
			272-280.5 Up to 90% pebbles.			
			284-287 10% white quartz veins. Oriented at 34 deg..	34		
			287.5-295 Brecciated sandstone. Centred at 290. 10% chlorite matrix with angular to rounded sandstone clasts. Core is broken-up. Chloritic fractures at 0 and 22 deg..	0,22		
			298.5-301 Gabbro precurser. Dark-green and chloritic, chilled margins, non-calcareous and non-magnetic. Well foliated at 31 deg..	31		
305.50	366.25	Leucoxene Gabbro	Dark green, chloritic with 20% white, leucoxene pseudomorphs of magnetite, 1/8". Pyrrhotite as irregular blebs, 5%. Slightly foliated at 60 deg. near the upper contact. Non-magnetic and non-calcareous.	60		
			305.5 Gougey, intrusive contact Oriented at 66 deg..	66		
			305.5-306.5 Paler, silicic, fine-grained. Quartz veins at 49 deg..	49		
			Amount of chlorite is variable.		140	325-329
			347-349 Talcose fractures at 54 deg..	54		
			366.25 2" quartz-calcite veins oriented at 49 deg..	49		
366.25	501.00	Magnetite Gabbro	Less chloritic. White plagioclase is obvious. Disseminated black, euhedral magnetite, 1/8". Minor hematitic fractures. Carbonate fractures are common, up to 1/2" with chlorite. Oriented at 18, and 23 deg..	18,23		
			379-379 Chloritic, leucoxene rich. Sheared at 65 deg..	65		
			407 Epidote alteration.			
			423-428 Chloritic, leucoxene rich.			
			427 2" calcite vein oriented at 42 deg..	42		
			449 Epidotic shar at 22 deg..	22		
			449-452 1/4" epidote-filled fracture at 4 deg..	4		
			448.5-457 Chloritic, leucoxene rich. Centred about talcose shears at 469-470 anf 478. Oriented at 54 deg..	54		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
501.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-31
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Oct. 22, 1985
DATE COMPLETED: Oct. 23, 1985
DATE LOGGED: Oct. 24, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 33+90 E / 3+75 N; Railway Grid
TRUE BEARING: 346 deg.
TOTAL FOOTAGE 500.00
CLAIM NUMBER: L 428853
PROPERTY NAME: AZA
HOLE DIP TESTS: 60 @ 0; 59 @ 100; 57 @ 200; 57 @ 300; 56 @ 400; 54 @ 500
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	10.00	Casing				
10.00	21.50	Jasper Sandstone	Grey-green, medium-grained, relatively massive. Angular quartz and feldspar with flecks of jasper. Slightly sericitic. 2-3% disseminated pyrite. Slightly sheared at 44 deg., but otherwise relatively massive.	44		
21.50	77.25	Trachytic Intrusion	Grey, fine to medium-grained. Trace fine disseminated pyrite. Uniform. Minor, white, 1/8", carbonate masses, foliated at 40 deg.. Chloritized hornblende and minor chloritic xenoliths. Non-magnetic and non-calcareous.	40		
			21.5-25.5 Chloritic fractures at 18 deg..	18		
			36-37 15-20%, 1/4", white spots.			
			46-47 Chloritic shears and fractures at 0 deg..	0		
			55 1" quartz-carbonate vein at 70 deg. Contact?	70		
			62-64, 65.5 10-20% White, angular, massive, 1/2" pale grey and dirty carbonate phenocrysts.			
			55-77.25 Massive.			
			77.25 1" quartz vein at 76 deg..	76		
77.25	165.50	Jasper Sandstone	Identical to previous sandstone but with conglomeratic zones.			
			95.5-96 Shear at 55 deg. with slickensides.	55		
			102-121, 136.5-138 Chlorite shears, sericite increases to 20-30%. Oriented at 53 deg.. parallel to thin carbonate veining, minor.	53		
			135 Minor pebbles up to 1" start. Composed of grey chert and siltstone.			
			147-149 Conglomerate, 80-90% pebbles of white quartz, grey-green chert and siltstone, porphyry, jasper.			
			150-155 Sericitic fractures at 3 deg.. Fine calcareous fractures at 43 deg..	3 43		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Sandstone (cont.)	151.5-157.5 Sericite clots, bleaching. Silicification.			
165.50	175.50	Intrusion	Grey-green, non-calcareous, non-magnetic, no pyrite, very chloritic. Quartz veins, 1/4", at 14 deg.. Medium-grained, foliated at 50 deg..	50		
			109-171 Grey-pink, 1/2" irregular quartz masses. 173.5 2" quartz-feldspar veining.			
175.50	196.50	Jasper Sandstone	As at 77.25-165.5.			
			185 Thin gouge with carbonate, at 56 deg,,	56		
			194 Chloritic gouge at 54 deg.	54		
196.50	233.00	Fractured Syenite Porphyry	Talc-chlorite shears every 1-2' in a chloritic syenite porphyry. Shears are oriented at 50 and 14 deg.. The porphyry is grey with faded, 1/4" feldspars. Feldspars are scattered in bands. Non-calcareous, non-magnetic, trace of fine disseminated pyrite. Silicified? Bottom 6" are brecciated by irregular chloritic fractures.	54,14		
233.00	235.75	Intrusion	Green, chloritic, possible altered trachyte. White, clusters of sericite. Medium-grained and massive. Lower contact at 47 deg..	47		
235.75	289.00	Jasper Sandstone	As previous but more conglomeratic.			
			233 Chloritic shear at 43 deg.	43		
			256.5 Shear with slickensides at 80 deg..	80		
			257-260 Up to 70% pebbles.			
			260 Approximately 10% pebbles downhole from this point.			
			273.5-277 Up to 90% pebbles.			
			284-286 Up to 10% pebbles.			
			288 Mariposite chip.			
289.00	296.00	Leucoxene Gabbro	Green, coarse-grained, non-magnetic, non-calcareous, massive. Very chloritic with large leucoxene pseudomorphs of leucoxene. Medium blebs of pyrite 2-3%. Inclusions of sandstone and porphyry.			
296.00	337.50	Fractured Syenite Porphyry	Similar to 196.5-233 but with out the regularity of the talc-chlorite shears. Chloritic xenoliths. Trace of fine disseminated pyrite. Intensity of fracturing is variable but the core remains competent. Usually just irregular chloritic fractures with some tending to 56 deg..	56		
			Ends in a 2" quartz-carbonate veins at 39 deg..	39		
337.50	392.75	Leucoxene Gabbro	Similar to the previous leucoxene gabbro but medium grained. Leucoxene 0-20%, Non-magnetic and			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Leucoxene Gabbro (cont.)	non-calcareous. Very chloritic, Minor shears and fractures at 41 deg.. Pyrrhotite-pyrite 2%.	41		
			345.5 2" quartz-chlorite vein.			
			375.5-376 Quartz vein breccia and sheared at 42 deg. to either side.	42		
			379.5 2" quartz vein at 66 deg..	66		
			379.5-380.5 Gougey, chloritic fractures at 16 deg	16		
392.75	406.50	Intrusion	Green, chloritic, paler near centre. Well-foliated at 40 deg.. Up to 20% disseminated 1/4" quartz-carbonate porphyryblasts. Pyrite, 2%.	40		
406.50	500.00	Leucoxene Gabbro	Identical to 337.5-392.75. The first foot is silicified. Very uniform.. Minor variations in chlorite. Minor fractures at 40 deg..	40		
500.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

HOLE NO. 85-32

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Oct. 24, 1985
DATE COMPLETED: Oct. 26, 1985
DATE LOGGED: Oct. 27, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 34+15 E / 1+90 N; Railway Grid
TRUE BEARING: 295 deg.
TOTAL FOOTAGE 602.00
CLAIM NUMBER: L 428853
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 44 @ 100; 43 @ 200; 41 @ 300; 39 @ 400; 37 @ 500; 37 @ 600
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	37.00	Casing				
37.00	132.50	Jasper Sandstone	Green-grey, medium-grained, non-magnetic and non-calcareous. Fine to medium-grained disseminated pyrite, 2-3%. Angular quartz feldspar and chert. Minor chloritic fracturing at 46 deg.. Minor, 1/4" quartz veining at 45 and 18 deg..	46 45,18	70	57-61
			90-91.5 Core broken-up, sericitic, bleached, quartz-chlorite veining at 30 and 55 deg..	30,55		
			96 1/2" quartz vein at 43 deg..	43		
			105.5 gougey fracture with 1/4", carbonate vein at 42 deg..	42		
132.50	230.00	Syenite Porphyry	Grey, fractured, medium-grained, non-calcareous, non-magnetic, chloritic xenoliths to 1" and chloritized hornblende. Feldspar phenocrysts are 1/4", white to grey and rounded, apear reabsorbed in places. Fractures tend to 50 deg. and can be chloritic, calcareous and talcose. Trace of fine, disseminated pyrite.	50		
			141 broken-up with a 1" a gougey, chlorite, talc sub-intrusion. Oriented at 45 deg..	45		
			147.5-148.5 Quartz-feldspar vein, 1", wandering.			
			150.5-151.5, 155.5-156.5 Core broken-up, very fractured.			
			160-169 Pinkish-grey.			
			190 Gouge at 44 deg.. 1/2" quartz vein at 14 deg.	44,14		
			220-221, 222-223, 224-225 Core broken-up by chlorite, minor talcose fractures. Usually with 1/4-1/2" quartz-veins at 64 deg..	64		
230.00	236.00	Green Intrusion	Chloritized mafic intrusion. White clayey pseudomorphs. Non-magnetic, non-calcareous, slightly flow foliated at 60 to 90 deg..	60-90		
			236.5 1" shear with quartz, chlorite and carbonate.			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Intrusion (cont.)	Rounded chloritic clasts to 1/4" and one angular chert fragment, 1/2".			
236.00	285.00	Syenite Porphyry	Grey, fractured as at 132.5-230. Quality of the phenocrysts is variable: black to white to clear, up to 20%. Also have green green, chloritic xenoliths to 1".			
			254.5 1/2" pink carbonate vein, start to get yellow sericitic fractures oriented at 28 deg., carbonate-chlorite-filled fractures at 56 deg..	56		
			279 Becomes foliated at 68 deg..	68		
285.00	305.50	Leucoxene Gabbro	Medium-grained, very chloritic, 15% leucoxene pseudomorphs of magnetite. Slightly foliated at 74 deg.. Pyrite, 2-3%, as blebs. Non-magnetic, Non-calcareous.	74		
			285-291 Feldspars are pinkish. Due to syenite? 296, 299 Carbonate veins with angular, 1/4" clasts of hematite. Contacts appear to be gradational over 1-2".			
305.50	320.50	Syenite Porphyry	Grey and fractured as at 132.5-230 1/8" carbonate veins at 86 deg. and 20 deg..	86,20		
320.50	383.00	Leucoxene Gabbro	As previous at 285-305.5 Chlorite-carbonate veins, up to 1/2", oriented at 50 deg.. Some are hematitic.	50		
			335-337.5 340-343 347.5-348.5 Magnetic, no leucoxene, just the original magnetite.			
			374-379 Rose colored, as at 285-291 376.5 Carbonate vein with shearing at 50 deg..	50		
383.00	388.00	Shear Zone	Strongly foliated leucoxene gabbro with stretched leucoxene and folding. Foliated at 70 to 80 deg..	70-80		
388.00	394.00	Jasper Sandstone	As at 37-132.5.			
			388.5-389.5 Brecciated and fractured quartz veins. At 40 deg. up hole and 41 deg. downhole.	40,41	70	388-392
394.00	398.00	Leucoxene Gabbro	As previous No chilled margins.			
398.00	407.00	Conglomeratic Sandstone	Similar to the jasper snadstone but with up to 20% pebbles of grey chert and siltstone.			
			398.5-399.5 Sericitic, broken-up, quartz-carbonate			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Sandstone (cont.)	veins. Fractures at 70 and 38 deg.. 403.5 1" long fuchsite pebble. Oriented at 76 deg..	70,38		
407.00	532.50	Leucoxene Gabbro	As previous The gabbro seems to be stoping into the sandstone as there are 3-4" inclusions of jasper sandstone in the upper part of the unit. Minor 1/2", white quartz veins. Fractures oriented at 60 deg.. Uniform, non-calcareous, non-magnetic.	60		
			467.5 1" quartz-calcite vein. 513.5-515, 520-528.5 Finer grained sub-intrusion of gabbro. Contacts are oriented at roughly 80 deg..	80		
			528.5-532.5 Broken-up by gougey fractures at 36 and 49 deg.. Irregular quartz veining and very chloritic.	36 49		
532.50	602.00	Leucoxene-Magnetite Gabbro	Fresher looking. Less chlorite, Pale plagioclase. 1/4" carbonate-chlorite-hematite-filled fractures are common. Oriented at 17, 38 deg.. Magnetite gabbro lacks the leucoxene pseudomorphs but is otherwise very similar to the leucoxene gabbro.	17,38		
			572-575 Carbonate-hematite-filled fracture, 1/4" Oriented at 2 deg..	2		
			559-580.5 Magnetite gabbro. 589-595 Magnetite gabbro with a chilled margin at upper contact and grading into a leucoxene gabbro at the lower.			
602.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

HOLE NO. 85-33

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Oct. 26. 1985
DATE COMPLETED: Oct. 28, 1985
DATE LOGGED: Oct. 29, 1985
LOGGED BY: R. Anderson / R. Burkhart
GRID LOCATION: 35+90 E / 7+60 N; Railway Grid
TRUE BEARING: 346 deg.
TOTAL FOOTAGE 602.00
CLAIM NUMBER: L 428853
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 44 @ 100; 43 @ 200; 42 @ 300; 40 @ 400; 38 @ 500; 37 @ 600
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	17.00	Casing				
17.00	108.00	Jasper Sandstone	Green, medium-grained, angular quartz feldspar and chert, non-magnetic, non-calcareous, Minor flecks of jasper. Pyrite, 2-3%, disseminated. Flecks of yellow sericite. Slightly foliated at 73 deg.. Minor pebbles of rounded grey chert and siltstone, green volcanics and angular fragments of jasper. Up to 1" long. 34-39 Up to 20% pebbles. 50-52 Irregular quartz veins and chloritic fractures. 52-53 Up to 50% matrix supported pebbles. Up to 2". 58 3" silica-feldspar vein oriented at 20 deg.. Brecciating into the sandstone to either side. 79.5 Sheared with quartz, chlorite and carbonate veins, 1/4". Oriented at 48 deg.			
108.00	119.50	Jasper Conglomerate	Up to 80% pebbles supported in jasper sandstone. Pebbles include grey quartz, chert, siltstone, green volcanics and jasper. Up to 2" dia. Pink or grey porphyry. Grading indicates tops is uphole.			
119.50	197.25	Jasper Sandstone	As at 17 to 108 121,130 3" angular, brown mudchips. 145.5 Shear with quartz and chlorite, 1" Oriented at 78 deg.. 147-170 Scattered thin chloritic fractures oriented at 38 deg.. 189-197 Scattered pebbles, 10-20%, Yellow mudchips, grey porphyry and chert. 197-197.25 Dark green chlorite-talc zone. Altered trachyte?		70	193-197.25

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
197.25	251.50	Syenite Porphyry	Slightly greenish, medium-grey. Stained reddish from 207 to 212. Massive, aphanitic ground mass. Feldspar, 10%, as phenocrysts, unevenly scattered, well-defined to obscure, mostly 2-5 mm. Weakly fractured, but also minor shearing. Minor carbonate on fracture surfaces and scattered quartz carbonate patches to 5 mm. About 1% fine chlorite veins. Rare fine pyrite. Bottom contact sharp at 50 deg..			
251.50	302.50	Jasper Sandstone	Medium to light grey. Weakly conglomeratic. Minor flecks of jasper. Matrix is medium grained. Conglomerate clasts 2%. Mostly yellow claystone chips to 1 1/2" long. Few rounded other felsic clasts to 1/4". Moderate fracturing with minor shearing, mainly at 70 deg. 3% quartz veining with minor carbonate, to 1/2".		140 70	251.5-255.5 275-279
			279-280.5 Rubbly core, minor gouge.		70 70	280.5-284 284-288
			Non-magnetic. <1% scattered fine pyrite. Patches of chalcopyrite in some quartz veins. Gradational contact.			
302.50	309.00	Sandstone	Light grey. Conglomeratic. Medium to coarse-grained matrix. Polymictic. Clasts are mostly rounded but some angular, mostly felsic with few mafic, of granules and pebbles to 15 mm. Also few yellow claystone chips, mostly long, narrow, dark grey laminations to 2 mm. seen in some fragments light fracturing with minor quartz veining. <1% pyrite as fine scattered grains. Gradational contact.		70	302.5-306.5
309.00	353.50	Jasper Sandstone	Medium to greenish grey, few jasper grains. Medium-grained, uniform. Moderate fracturing. 3% quartz veins with minor carbonate and chlorite, at various angles, to 3/8" Minor shearing, with occasional quartz vein offset < 1/2". Non-magnetic. Pyrite, <1% as fine scattered grains, with rare concentration to 4% in < 1/8" bedding layer, or with quartz in fractures. Gradational contact.			
353.50	364.00	Conglomerate	Matrix as from 209 to 353.5. 25% clasts. Bedding at 80 deg.. Few felsic granules, but clasts almost all yellow claystone, mostly long, narrow, angular fragments, to at least 80 mm. Dark grey laminations to 2 mm. seen in some fragments. Light facturing, with minor quartz veining. <1%, pyrite as fine scattered grains. Gradational contact.	80		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
364.00	375.00	Sandstone	Same as from 309.5 to 353.5 but less fractured and quartz veins 1%. Pyrite <1%. Sharp lower contact at 90 deg..	90		
375.00	376.50	Slate	Dark blackish grey. Rubbly core. Two 1/4" quartz veins, vuggy, with minor carbonate and chlorite. Rare pyrite crystal is visible. Sharp lower contact at 70 deg..			
376.50	410.50	Jasper Sandstone	Medium greenish grey. Rare jasper. Conglomeratic. Bedding at 75 deg.. Matrix is medium-grained. Clasts as sporadic concentrations over lengths to 2', of yellow claystone, mostly long, narrow, angular fragments, Fracturing is moderate. 3% veins some fine yellowish, from clay mineral alteration, and some to 1 1/2", of quartz with minor carbonate and chlorite, Non-magnetic. Pyrite, <1%, as scattered grains, but rare concentrations to 5% over 1/8" in bedding layers or with quartz veins. Lower contact is sharp at 58 deg..	58	70	400-404
410.50	420.00	Intrusive Rock	Medium greenish grey. Porphyritic. Pyritic. Weak flow foliated. Up to 5% whitish mica groundmass light grey, aphanitic to fine-grained. Phenocrysts dark green, rounded, may be pyroxenes, 15%, uniformly scattered, mostly 1-2 mm. Quartz granules 5% (?), or vug fillings to 4 mm. 1% rounded dark green fragments to 5 mm. The phenocrysts' and 'fragments' may be the same or at least related. Moderate fracturing. Quartz veins 6%, to 1 1/2" wide, some very irregular veining with minor carbonate. Non-magnetic. Pyrite <1% from 410.5 to 418.75 418.75-420 Pyrite, 4%, as blebs and cubes to 3 mm.			
420.00	439.00	Sandstone and Yellow Claystone	Chaotic mixed zone. Medium grey. Medium to coarse-grained jasper sandstone with claystone debris. 35% sandstone, 65% claystone as fragments from brittle fracture, as blocks to 8" showing plastic deformation and as blocks to 2' showing alternating dark grey and yellow laminations (layers - 2 mm.) Moderate fracturing with 3% irregular veining to 1", of quartz with minor carbonate. Minor healed claystone breccia. Non-magnetic. <1% fine scattered pyrite in the sandstone. Sharp lower contact at 75 deg.			
439.00	447.00	Intrusive Rock	Same as 410.5 to 420. Quartz veining is the same. Pyrite, 4%, as blobs and cubes to 5 mm, from 439 to 441. And <1% scattered, from 441 to 447. Sharp lower			

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
			contact at 50 deg..			
447.00	466.00	Sandstone and Yellow Claystone	Similar to 420 to 439 but sandstone 60%, claystone, 40%, in blocks and porportionately smaller . Sandstone is bedded at 80 deg. Light fracturing with 1% veining. Pyrite 1%, as fine scattered grains and fine bedding layers in sandstone or as blebs near fractures.			
466.00	487.50	Sandstone	Dark greenish grey. Fine to medium-grained, 15% xenoliths to 8" of claystone rhythmites, (laminae yellow and dark grey, 1-2 mm.) leucoxene gabbro and syenite porphyry. Some alteration to yellowish clay minerals. Moderate to severe fracturing with shearing on about half and some rubbly core. 4% veining, mainly at 45 deg., of quartz with minor chlorite. Non-magnetic, including all xenoliths, rare speck of pyrite. Lower contact is sharp and convoluted.	45		
487.50	549.50	Trachyte	Tuff breccia. Murky medium dark green, variably stained faintly to notably reddish. Groundmass aphanitic to fine grained. 15% darker green mafics, mostly altered to chlorite, as crystals or fine fragments mostly 1-2mm. Few scattered dark green rip-up clasts to 15mm. Mafics show weak, variable flow orientation. Fracturing is moderate to severe, with shearing as above. Veins, 3%, to 1" and very irregular, of quartz with minor carbonate and chlorite. Rare fine pyrite. Lower contact is obscure. 534-544.5 Inclusion block of sandstone and leucoxene gabbro. 2% blebby pyrite in the sandstone.		70	544.5-548
549.50	558.00	Fault and Fracture Zone	In leucoxene gabbro. Dark green, medium-grained, massive. Mostly shattered, with 15% quartz vein healing. Some sheared, rubbly core. Mostly gouge from 550 to 550.5. Minor carbonate on fractures. Non-magnetic. Pyrite, <1% as fine blebs.			
558.00	602.00	Gabbro	Dark green. Massive. Medium to coarse-grained. Magnetite, 15%, altered to greyish leucoxene. Light to moderate fracturing with 3% irregular veins to 1/2" and some minor fracture zone healings			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
			of quartz with minor chlorite. Non-magnetic and non-calcareous. Pyrite, 1/2%, as blebs to 2 mm.			
602.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-34
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Oct. 29, 1985
DATE COMPLETED: Oct. 31, 1985
DATE LOGGED: Oct. 31, 1985
LOGGED BY: C.R. Burkhart
GRID LOCATION: 36+90 E / 7+60 N; Railway Grid
TRUE BEARING: 346 deg.
TOTAL FOOTAGE 600.00
CLAIM NUMBER: L 428853
PROPERTY NAME: AZA
HOLE DIP TESTS: 45 @ 0; 45 @ 100; 43 @ 200; 43 @ 300; 43 @ 400; 41 @ 500; 40 @ 600
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	38.00	Casing				
38.00	53.50	Sandstone	Medium, greenish grey. Medium-grained matrix with rare jasper grains. Conglomeratic. Polymictic with 3% clasts to 20 mm of rounded felsics and mafics Minor yellowish clay alteration. Light to moderate fracturimg, with minor shearing. 3% irregular veins of quartz with minor carbonate. Non-magnetic. <1% fine scattered pyrite			
53.50	67.00	Trachyte	Dark grey. Groundmass aphanitic to fine-grained. Mostly massive, but some orientation of carbonate crystals. About 2% carbonate (possibly dolomite). Crystals, light grey, to 2 mm., unevenly scattered. Some chloritic alteration of few fine dark green mafics Light fracturing with 1% veining to 1/4", Of quartz with minor carbonate. Non-magnetic. Rare fine pyrite. Lower contact sheared at 85 deg..	85		
67.00	168.50	Sandstone	Medium greenish grey. Jasper grains. Weakly conglomeratic and with conglomerate layers. Matrix mostly medium-grained with coarse-grained in conglomeratic intervals. Outside of conglomerate the rock has 1-2% rounded felsic clasts, in sporadic clusters, mostly longish rounded yellow claystone granules and pebbles to 10 mm.. Bedding 75-80 deg., constant.	75-80	140	79-83.5
			79.5-83.5 Conglomerate, 60% rounded clasts to 15mm, mostly felsic sediments, few intrusives. Clast supported in places. 1% pyrite as blebs and fracture fill.			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
			110.5-117 Conglomerate, 60% rounded clasts to 120 mm., most of a lighter (than matrix) greenish grey sandstone. Few other felsics and mafics. Matrix supported. < 1% fine scattered pyrite			
			163.5-165 Conglomerate, 30% clasts to 30 mm, of felsics and mafics. Largest clasts of fine-grained, light greenish sandstone. < 1% fine scattered pyrite			
			Rock all lightly fractured. Veins about 1 per 10 ft. to 1/2" and at 70 to 90 deg. of quartz with minor carbonate. Most veins show slickensiding from minor movement. Non-magnetic. Pyrite, <1%, fine, scattered, in sandstone. Lower contact is sharp at 80 deg..	70-90 80		
168.50	220.00	Syenite Porphyry	Massive. Groundmass medium greenish grey, some faintly reddish, aphanitic. Phenocrysts light grey feldspar, mostly 2-4 mm in variable concentrations to 25%. 2% dark green rounded to fragmental xenoliths to 15 mm.. Few scattered angular dolomite fragments over 1' at 210. 2% veins of quartz with minor carbonate and chorite, very irregular to 3/8". Also scattered minor quartz vug fillings to 4 mm. Non-magnetic. Rare, fine, scattered pyrite. Lower contact in broken rock, obscure.			
220.00	243.00	Sandstone	Greenish-grey. Jasper grains. Fine to medium-grained. Weakly conglomeratic. 2% rounded clasts to 30 mm. of felsics. Largest are of fine-grained light greenish grey sandstone. Lighly fractured. 1% veins of quartz with minor carbonate to 1/8", various angles. Slickensiding on a few fractures (subsequent to veining). Non-magnetic. 1% fine scattered pyrite. Lower contact obscure.			
243.00	247.50	Trachyte	Faintly reddish dark green. Aphanitic. Minor fine quartz fracture veining and speckling from vug fillings, a few with carbonate. Non-magnetic. No mineralization. 1 1/2" quartz vein at lower contact which is sharp, at 65 deg..	65		
247.50	387.00	Sandstone	Medium greenish to light grey. Jasper grains. Weakly conglomeratic or with conglomerate intervals. Mostly medium-grained but coarse in the conglomerate. Bedding uniform at 75-80 deg.. 1% rounded felsic clasts, to 8 mm.	75-80		

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
			253-263 Conglomeratic with 10% angular to rounded felsic clasts, to 35 mm, mostly fragments of yellow claystone, some of which are rhythmites, with dark grey laminae, approx. 1 mm..			
			295.5-300 Conglomerate. 35% rounded clasts to 35 mm, of sediments and intrusives and volcanics, felsic to mafic.		70	295.5-299
			335.5-341 Conglomerate . 55% angular clasts to 1' of yellow claystone including few rhythmites.			
			364.5-387 Conglomeratic, with 12% angular yellow claystone, to 6"			
			Rock is all lightly fractured, with 3% veins at various angles, to 1", of quartz with minor carbonate. Non-magnetic. <1% fine pyrite, including conglomerate intervals. Lower contact obscure.			
387.00	395.00	Intrusive Rock	See equivalent in DDH 85-33. May be a sediment. Dark greenish grey, "very fine-grained" or "aphanitic", flecked with up to 5% whitish mica. Texture obscure. No bedding. Not magnetic. Lightly fractured, with 1% quartz veinlets and few vug fillings. Rare fine pyrite except for: 394.5-395 3% pyrite in cubes to 4 mm.			
			Lower contact is obscure.			
395.00	442.50	Sandstone Siltstone Claystone	Sandstone is medium to fine-grained. Jasper grains. Medium to dark greenish grey. Mostly gradational interlayering of beds. Bedding is fairly constant. 77 deg at 434. About half the interval is claystone, probably slumped, color grading from medium grey to yellowish, from wisps to pieces 1' wide. Plastic deformation evident in some. Light fracturing with irregular quartz veining to 1/8". Non-magnetic. Pyrite averages 1%, mostly sparse, but some clustering in layers in sandstone or near quartz veins or siltstone edges. Lower contact is obscure.	77		
442.5	563.00	Trachyte	Distinct change from above although contact can't be spotted. Dark green, in places slightly reddish. Groundmass is aphanitic. 3% dark green rip-up clasts, to 20 mm. Clasts altered to chloritic and show sporadic flow orientation.			

* - Planar feature is measured relative to core axis

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	ANGLE* (deg.)	ASSAY (PPB)	INTERVAL (ft.)
		Trachyte	442.5-443.75 2% pyrite cubes to 4 mm. 468-470.5 Broken, rubbly core. Some gouge. Minor quartz and carbonate veining. Sparse, if any mineralization. 506.5-520.25 xenoliths, with cobbles and boulders of leucoxene gabbro and fine-grained sandstone. Only 15% recognizable host. Moderate to severe fracturing, with 7% irregular rehealing veins, to 1", of quartz with minor carbonate. 513-514.25 8% pyrite and pyrrhotite in blebby swirls in or around fractured gabbro. 516-520.25 3% pyrite and pyrrhotite as above and pyrite as fine speckles in yellowish clayey quartz. Outside of the above intervals, rock is moderately fractured with 3% irregular veins, to 1", of quartz with minor carbonate and chlorite. Some speckling from quartz vug fillings. Specularite on fractures from 524 to 528. Non-magnetic except near the pyrrhotite. Rare fine pyrite outside of above intervals. Lower 5' is bleached. Sharp lower contact at 57 deg..	57		
563.00	600.00	Gabbro	Dark green, altered. Medium to coarse-grained. Leucoxenes. Massive, but shear lineation at 30 to 40 deg., from roughly 569 to 582, with some rubbly core. Veins of quartz, 4%, with some carbonate and minor chlorite, to 1", irregular, some as fine networks. Weakly calcareous. Non to weakly magnetic. < 1% mineralization, as patches pyrrhotite and pyrite or brassy pyrite in one vein.	30-40		
600.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature in core and relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-35
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Oct. 31, 1985
DATE COMPLETED: Nov. 1, 1985
DATE LOGGED: Nov. 2, 1985
LOGGED BY: C.R. Burkhart
GRID LOCATION: 38+00 E / 0+61 N; Railway Grid; ref. L 38 E
TRUE BEARING: —
TOTAL FOOTAGE 281.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0;
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	20.00	Casing				
20.00	21.00	Boulders	Sandstone and trachyte.			
21.00	26.00	Sandstone	Medium green. Fine-grained with darker silty layers. Bedding at 28 at 22 feet. Fractured and sheared along bedding. Mostly broken, rubbly core, with some core loss Non-magnetic. 2% fine quartz veining, to 1/8", mostly conformable with minor carbonate, <1% pyrite, Murky contact.	28		
26.00	93.50	Trachyte	Medium, slightly brownish green. Bleached lighter brownish near contacts. Groundmass aphanitic, with 3% dark greeb sandstone xenoliths, to 50 mm. 5% vugs quartz, with minor carbonate, to 5mm, some rimmed with chlorite. sporadic incipient shearing, 36 deg, at 52 deg.. 38 at 78 feet. Irregular brittly fracture imposed on shearing, with 1% veins to 1/8", of quartz with minor carbonate and chlorite. Non-magnetic. Persistently shot through with fine pyrite to 1%., but usually much less. Some on fractures. and some correlation of pyrite with shearing. Lower contact distinct but rubbly.	36,52	70 210 270 70	62-66 66-70 86-90 90-93.5
93.50	181.00	Sandstone	Medium dark to light green. Rare jasper. Medium to coarse-grained. Bedding 46 deg. at 103 and 36 deg. at 176 Lightly fractured at various angles with quartz and minor carbonate veins, fine to 1/8", rare to 1/4", about 1 per foot. Minor vein offsets and minor shear fracturing- much less evident than in trachyte. Non-magnetic.	46,36	70 210 70 270 70 140 70 70 140	117-125 129-133 133-137 145-149 149-152 152-156 156-164 168-172 172-181

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
			Pyrite, <1%, fine scattered, or to 10% in few bedding layers to 1/8". Lower contact sharp, at 30 deg..	30		
181.00	281.00	Trachyte	Medium brownish mauve. Groundmass aphanitic		70	181-185
			Major part shows flow orientation of 3%		140	189-193
			sandstone xenoliths which range		140	197-201
			to 25 mm dia., except for one 2 foot block		340	201-203
			from 201-203		70	203-207
			Few intervals of 3 feet of less in central part		140	215-219
			are weakly porphyritic with 8%. Medium-grained		70	219-223
			brownish feldspars.			
			Very rare fine crystals of soft, faintly			
			bluish, flakey mineral, no streak, not identified.			
			Moderate to severe, brittly fracture, with			
			incipient shearing over few inches			
			in places. Vein offsets to 1". Slickensides			
			on 20% of the fractures.			
			About 5% ragged to rounded vugs filled			
			with quartz (often hematite stained) or chlorite.			
			Fracture veins, 4%, irregular, some ramifying,			
			fine to 1/4", of quartz with minor carbonate and			
			chlorite. Some all chlorite.			
			Very weakly magnetic.			
			Pyrite to 1%, but usually much less, to 26-93.5'			
			Persists to 250, then almost disappears by EOH			
			Pyrite often in fractures.			
281.00		End of Hole	All drill core was split and assayed for gold.			
			Assays greater than 70 PPB are indicated.			

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-36
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 1, 1985
DATE COMPLETED: Nov. 2, 1985
DATE LOGGED: Nov. 3, 1985
LOGGED BY: C.R. Burkhart
GRID LOCATION: 37+80 E / 0+61 N; Railway Grid; ref. L 38 E
TRUE BEARING: —
TOTAL FOOTAGE 281.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 87 @ 281
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	18.00	Casing				
18.00	20.00	Boulders	Trachyte and sandstone, rubbly.			
20.00	24.00	Sandstone	Medium green. Fine-grained with darker silty layers. Bedding at 34 deg. at 21 feet. Light fracturing, irregular and conformable. 2% fine quartz veining to 1/8", mostly conformable. Non-magnetic. <1% fine pyrite. Murky irregular lower contact.	34		
24.00	88.00	Trachyte	Medium, slightly brownish green		210	32-36
			Groundmass is aphanitic. 3% dark green sandstone		70	36-40
			xenoliths to 50 mm., showing flow orientation..		2190	48-52
			5% vugs quartz to 5 mm., some rimmed with chlorite.		140	52-60
			Moderate brittly fracture. Minor		210	60-64
			healed tectonic breccia. Some vein offsets, < 1"		140	64-68
			2% irregular veins, to 1/2", of quartz with		140	80-84
			minor carbonate. Some chlorite, usually along edges. Non-magnetic.			
			Shot with < 1% fine pyrite. Continuous across xenoliths. Lower contact sharp, at 38 deg..	38		
88.00	179.50	Sandstone	Medium dark to light green. Rare jasper.		70	96-100
			Upper 3' fine-grained with silty and clayey		340	110-111.5
			laminae to 5 mm. Lower 4' is coarse-grained.		70	111.5-115.5
			Central part fairly uniformly medium-grained		410	115.5-119
			Bedding somewhat variable and usually		70	119-131
			indistinct. Oriented at 35 deg. at 89,	35	270	135-139
			at 28 deg. at 106 and 45 deg. at 112.	28;45	70	139-143
			Light brittly fracture with three inches long		620	143-147
			intervals healed tectonic breccia.		340	147-155
			Fractures along bedding or irregular.		140	155-159
			3% quartz veins, fine to 1/8" and rarely		210	159-167
			to 1". Few vein offsets, < 1".		340	167-172
			Some fine blackish veins.		70	172-176
			Slickensiding on 10% of fracture surfaces. Non-magnetic. Average <1%, fine scattered or concentrated to 10% in bedding layers to 1/8"			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Sandstone (cont.)	110-111.5 Pyrite average 3%, mainly in series of bedding layers.			
			Lower contact sharp at 27 deg..	27		
179.50	281.00	Syenite	Shallow intrusive or flow.			
			Called a trachyte in hole 85-35, 20' away.		140	180-184
			Light to dark green, partly brownish		70	200-212
			or faintly purplish stained. Bleached		270	224-228
			to light brown in lower 8'		70	228-232
			Variably weak to non-porphyritic, with		140	236-240
			fine to medium-grained feldspar and hornblende		210	240-244
			phenocrysts. 5% xenoliths, mostly < 10 mm., but one of 10" and one of 18" of sandstone, showing flow orientation.			
			Moderate brittly fracture increasing to incipient shearing.			
			irregular fracture veins, 6%, to 1/2", of mainly quartz, with minor carbonate and chlorite. Some all chlorite.			
			244-263 Some shearing, minor gouge		70	244-248
			Slickensiding and rubbly core. Vein		140	248-252
			offsets 1" or less.		70	252-256
			Irregular and rounded vugs, to 5%, but		70	260-263
			sometimes absent, filled with quartz,		270	263-267
			(often hematite stained), or chlorite.		140	267-271
			Non to weakly magnetic.		70	271-281
			Pyrite to 1% but usually much less, in cubes to 1mm., scattered or in fine fractures. Absent in lower 20 feet.			
281.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

HOLE NO. 85-37
PAGE 1

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 2, 1985
DATE COMPLETED: Nov. 3, 1985
DATE LOGGED: Nov. 4, 1985
LOGGED BY: C.R. Burkhart
GRID LOCATION: 38+00 E / 0+81 N; Railway Grid; ref. L 38 E
TRUE BEARING: -
TOTAL FOOTAGE 280.00
CLAIM NUMBER: L 428854
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 82 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	10.00	Casing				
10.00	66.00	Trachyte	Medium slightly brownish green. Groundmass aphanitic. 5% xenoliths green sandstone to 10 mm. showing flow orientation at about 35 deg.. Quartz vugs, to 5% with ragged or round outlines, white speckly to clear and indistinct. Light brittle fracture. 4% veins, fine to 1 1/2", of quartz rimmed with chlorite. Few all chlorite. Minor vein offsetting <1/2", and about 10% of fractures show slickensiding from minor movement. Non to weakly magnetic. Fine cubes of pyrite, down to 40', < 1%, and very rare from 40-66. Lower contact is sharp and irregular.	35		
66.00	144.50	Sandstone	Medium green. Rare jasper. Mostly fairly uniform, medium-grained.		70	90-94
			Upper 6'is fine-grained, light grey and dark green, laminae, with some conformable but irregular blobby claystone. Lower 5' coarse-grained.		70	98-106
			Bedding somewhat variable, 45 deg. at 68, 32 deg. at 132'.	45 32	270	130-134
			Light brittly fracturing, irregular and conformable, with 4% quartz veining, fine to 1\4" Minor slickensiding from some movement along conformable fractures. Non-magnetic Pyrite, <1%, mostly fine scattered but to 7% in < 1/8" bedding layers. Lower contact obscure.		70	142-144.5
144.50	280.00	Syenite	Brownish to slightly reddish medium green Becomes lighter brown with increasing fracturing.		70	160-168
			Shallow intrusive or flow.		70	196-200
			Non to weakly porphyritic with sporadic		70	208-212
			sparse clusters of reddish feldspar		140	228-232
			or chlorite-altered dark green mafic.		70	232-240

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite (cont.)	Groundmass mostly aphanitic, some fine-grained. 3% sandstone xenoliths: to 40 mm. Phenocrysts and xenoliths show flow orientation. Moderate to severe brittle fracture, with preferred orientations at about 70 deg. and about 0 deg.. The 0 deg. fractures are tension cracks. Incipient shearing shown by fine close-spaced (10 to 15 per inch) fractures. Sparse scattering of quartz blebs or vugs to 10mm.	70 0		
			249-272.5 Tectonic effects noted above are more severe with 10% veins, some are healed breccia and increased slickensiding.		70	261.5-262.5
			Non to very weakly magnetic. Pyrite <1%, as fine cubes, with few blebs or cubes to 1 mm.			
			271.5-272.5 1% pyrite in quartz-healed tectonic breccia.		70	266-280
280.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

HOLE NO. 85-38

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 3, 1985
DATE COMPLETED: Nov. 5, 1985
DATE LOGGED: Nov. 5, 1985
LOGGED BY: C.R. Burkhart
GRID LOCATION: 38+20 E / 0+81 N; Railway Grid; ref. L 38 E
TRUE BEARING: -
TOTAL FOOTAGE 350.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 84 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	6.00	Casing				
6.00	71.00	Trachyte	Medium, slightly brownish green. Groundmass aphanitic. 5% green sandstone xenoliths, to 25 mm, show flow orientation, 45 deg at 28 feet.	45	70	14-18
			Quartz blebs or vugs, to 5 mm., in variable concentrations to 5%.		70	38-42
			Light brittle fracturing. 2% veins, fine to 1/4", of quartz rimmed with chlorite and with minor carbonate. Some finer veins all chlorite. 10% of fractures show slickensiding. Non to very weakly magnetic. < 1% fine pyrite, scattered or on fractures. Lower contact sharp, at 42 deg..	42		
71.00	146.00	Sandstone	Medium green, rare jasper. Upper 4' are fine-grained, light grey with dark green interbeds and few conformable wisps and gobs of light greenish claystone. Central part fairly uniform medium-grained. Lower 4' coarse-grained. Bedding 36 deg. at 72 and 35 deg. at 121.	35		
			Light fracturing, irregular or conformable, with veins of quartz and minor carbonate fine to 1/4", about 3%. Few slickensided fractures. Non-magnetic. Pyrite <1%, fine scattered, of on fracture surfaces with quartz. Few concentrations to 8% in bedding layers < 1/8".		70	70-71
					70	95-146
			142-146 1% pyrite, coarser, to 1 mm.			
			Lower contact is sheared and indistinct.			
146.00	308.50	Syenite	Medium green, mostly slightly reddish, changing to light brown with increasing fracturing and shearing.		70	162-166
					70	174-186

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite (cont.)	Non to weakly porphyritic. Phenocrysts of feldspar and dark green chlorite altered mafics, mostly 1-2 mm. 3% sandstone xenoliths to 60 mm. Phenocrysts and xenoliths show flow orientation. Up to 5% quartz vugs, to 4 mm, some rimmed with hematite. Moderate to severe brittly fracture with occasional inches-long zones showing incipient shearing (10-15 fine fractures per inch)	on		
			4% veining of quartz with minor carbonate, to 3/4", some rimmed with chlorite. Some finer veins all chlorite. Veining is irregular or with preferred orientation at 60 to 70 deg. or at 10-20 deg. Many of latter are tension cracks. Few vein offsets <1/2" and some fractures slick and smooth from minor movement.	60-70 10-20	70 70 210 70	206-210 214-218 218-222 222-230
			251-272 Tectonic effects noted above more severe. 6% veins, increased slickensiding, few inches healed breccia and minor shearing.		270	251-255
			Weakly magnetic at top, changing to non-magnetic at bottom. Pyrite <1% fine scattered or coarser in clusters near fracture veins. Continuous through xenoliths. Lower contact is sharp at 45 deg.	45	70	267-276
308.50	350.00	Sandstone	Medium to dark green. Rare jasper. Medium-grained. 1% claystone (yellow) chips, to 10 mm.			
			308.5-334 Zone of moderate to severe network fracturing, brecciation and shearing, 5% veins, mostly at 60 deg., others irregular to 1/2 ", of carbonate with quartz and chlorite rims. Many finer veins all chlorite	60	340 1230 140 480 480	316-320 320-322.5 322.5-324 324-328 328-332
			Matrix weakly to distinctly calcareous, from fine veinlets and fracture coatings. Also few scattered carbonate vugs rimmed with chlorite. Non-magnetic. Pyrite, 1%, fine scattered, or blebby with veins, to 1 mm.			
			322.5-324 Includes 2 veins 1 mm thick, mostly pyrite.			
			334-350 Lightly fractured. Two 1/2" veins same as above. <1% fine pyrite.			
350.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

HOLE NO. 85-39
PAGE 1

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 5, 1985
DATE COMPLETED: Nov. 5, 1985
DATE LOGGED: Nov. 6, 1985
LOGGED BY: C.R. Burkhart
GRID LOCATION: 38+20 E / 0+61 N; Railway Grid; ref. L 38 E
TRUE BEARING: —
TOTAL FOOTAGE 271.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 84 @ 271
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	20.00	Casing				
20.00	21.00	Boulder	Intrusive texture. Dull olive green. 1-2 % coarse pyrite.			
21.00	31.00	Sandstone	Medium green or light grey to dark green interlaminated (< 1 cm.) Fine-grained. Bedding 28 deg. at 30'.	28		
			Moderate to severe conformable fracturing, with 3% veins fine to 1/4" of quartz with minor carbonate. Some with chlorite rims.			
			25-26 50% quartz veins with carbonate, in healed breccia and gouge.			
			Non-magnetic. Rare fine pyrite. Lower contact sharp, at 45 deg..	45		
31.00	99.50	Trachyte	Medium slightly brownish green.		340	35-39
			Groundmass aphanitic, with 3% dark green sandstone		140	39-51
			xenoliths, to 15 mm.. Showing flow orientation.		70	63-67
			To 5% quartz blebs or vugs, to 5 mm.		140	67-71
			with minor carbonate, some rimmed with chlorite.		70	71-75
			Light brittle fracturing.		70	83-95
			4% veins, fine to 1/4", of quartz with minor carbonate and chlorite rims.			
			Some of finer veins all chlorite. Non-magnetic.			
			<1% fine, scattered pyrite. Lower contact obscure.			
99.50	182.50	Sandstone	Medium green. Rare jasper.		70	99.5-107
			Upper 2' fine-grained light grey with dark		140	107-115
			green interbeds, and one 1/2" light greenish		340	115-119
			claystone layer.		70	119-127
			Central part fairly uniform, medium grained.		140	135-139
			Lower 2' coarse-grained.		70	139-146
			Lightly fractured, with 3% irregular or conformable veins, fine to 3/4", of quartz with minor carbonate.			

* Plane [illegible] is core axis relative to rock axis

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Sandstone (cont.)	142-153.5 Moderate to severe fracturing, with some quartz-healed tectonic breccia. Minor shearing. Average 1% pyrite, some coarse, to 2 mm..		70 70 70	157-161 169-173 177-181
			Few slickensided fracture surfaces. Non-magnetic. Pyrite <1%, fine scattered or to 8% in few bedding layers to 1/8". Lower contact sharp, uneven.		70 70	182.5-186 202-205.5
182.50	271.00	Syenite	Slightly reddish, medium green, changing to light brown with increasing fracturing. Groundmass aphanitic, to fine-grained. Few intervals of 3' or less are weakly porphyritic, with very few brownish feldspars, up to 7% chlorite-altered dark green mafics, size 1-2 mm. 8% sandstone xenoliths to 1 1/2'. Xenoliths and phenocrysts show flow orientation. Up tp 5% quartz vugs, some hematite-rimmed, to 4 mm Moderate to severe brittle fracture with occasional inches-long zones showing incipient shearing (10-15 fine fractures per inch) 4% veins of quartz with minor carbonate, fine to 1", some chlorite-rimmed vein offsets to 1/2". Minor slickensiding.			
			182.5-205.5 Tectonic effects noted above are more severe, with minor shearing, some healed breccia and increased slickensiding.			
			Non to weakly magnetic. Pyrite <1%, fine scattered or coarser, to 1mm, near veins.			
271.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

HOLE NO. 85-40

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 9, 1985
DATE COMPLETED: Nov. 10, 1985
DATE LOGGED: Nov. 11, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 39+60 E / 0+61 N; Railway Grid; ref. L 40 E
TRUE BEARING: —
TOTAL FOOTAGE: 280.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 88 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	16.00	Casing				
16.00	28.50	Sheared Syenite Porphyry	Grey to orange, medium-grained with grey stretched phenocrysts of feldspar to 1/4". Dolomitic with minor mariposite. Pyrite as medium, euhedral grains. Shearing oriented at 37 deg.. Distinctive orange-weathered carbonate fractures. Non-magnetic.	37	70	24-28.5
28.50	47.50	Altered Sandstone	Typical. Green, chloritized, medium-grained. Pyrite, 1-2%. Light and dark banding, 1/8 to 1/2". Porphyroblasts of pale siltstone. Quartz-carbonatee veinlets oriented at 34 and 70 deg.. Non-calcareous and non-magnetic.	34,70	210	32-36
47.50	52.50	Siltstone	Pale green, non-calcareous. The first 2', have porphyroblasts of carbonate veins. Also have quartz veining at 16 to 40 deg. parallel to the foliation Bottom foot of the unit is orange and calcareous.	16-40	70	47.5-52.5
52.50	70.00	Altered Sandstone	Identical to altered sandstone at 28.5-47.5 down to 61.5, where it becomes calcareous and ceases to have porphyroblasts of siltstone.			
70.00	98.50	Jasper Sandstone	Gradational upper contact with the advent of fine flecks of jasper. Mostly angular quartz and felspar. Green, medium-grained. Pyrite, 5%, in sedimentary bands oriented at 58 deg.. Calcareous down to 83. Relatively uniform. Non-magnetic. Minor quartz-carbonate veining at 58 and 10 deg..	58 58,10		
			91.5 Slate chip, 1".			
98.50	113.00	Altered Sandstone	Chloritic, similar to 28.5-47.5.			
			109-113 Porphyroblasts of carbonate veins, 5-10%.			

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
113.00	155.50	Jasper Sandstone	Similar to the previous jasper sandstone but with high carbonate content, especially in the first 2'. Less pyrite than previously. Sericite is foliated at 41 deg.. Minor quartz-carbonate veinlets mostly parallel to the foliation.	41		
			127 Zone of fine, irregular carbonate-filled fractures.			
155.50	280.00	Syenite Porphyry.	Red, magnetic, generally calcareous. White dolomitic flecks. Pinkish white phenocrysts of feldspar. Medium-grained. Paler, rip-up clasts of jasper sandstone at various stages of recrystalization. Red, calcite-filled fractures, 5-10%, oriented at 67 or 25 deg., a few at 6 deg..	67, 25 6		
			255 Change to white, dolomitic fractures. Rock is greyer and only slightly calcareous.			
			267 2" pink, quartz-carbonate vein at 20 deg..	20		
			267.5-270, 274-276.5 Sub-intrusions with stretched 1/4", feldspar phenocrysts, 20%. Foliated at 20 to 25 deg.. Also get quartz-feldspar veining oriented at 27 deg..	20-25 27		
280.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

HOLE NO. B5-41

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 8, 1985
DATE COMPLETED: Nov. 9, 1985
DATE LOGGED: Nov. 10, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 39+80 E / 0+61 N; Railway Grid; ref. L 40 E
TRUE BEARING: —
TOTAL FOOTAGE 280.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 84 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	15.50	Casing	Boulders of weathered syenite.			
15.50	30.50	Sheared Syenite	Could be called a carbonate tectonite. Green to orange, well-foliated at 43 deg.. Dolomite as fine flecks and irregular masses. Medium-grained with stretched, 1/4", phenocrysts of feldspar. Quartz-feldspar veining, 5-10%, up to 2" thick, usually parallel to sub-parallel to foliation. Fractures with distinctive orange, ferro-dolomite weathering. Non-magnetic, slightly calcareous. Pyrite as euhedral grains, < 2%.	43		
			30.5 2" zone of quartz porphyroblasts, rounded.			
30.50	46.00	Altered Sandstone	Green, medium-grained. Light and dark banding, 1/8" to 1" thick. Yellow-green, rounded balls up to 1" long, likely porphyroblasts of siltstone. More veining than in the previous unit, oriented at 20 deg.. Quartz-carbonate veins. Non-calcareous, non-magnetic.	20		
46.00	54.00	Breccia	Chlorite, mariposite, quartz, orange carbonate. Brecciated. Well-foliated at 63 deg.. Pyrite, 1%..	63		
			49.5-52 Well foliated siltstone with sericite, mariposite. Oriented at 28 deg..	28		
			52-54 Quartz vein breccia, 80% quartz matrix of chlorite, mariposite, fuchsite and sericite. Becomes mostly pink calcite by 54	54		
54.00	67.50	Altered Sandstone	Similar to 30.5-46 but lacking the siltstone porphyroblasts. Calcareous, non-magnetic. Pyrite, 2-3%.			
			67.5 1" quartz-carbonate-chlorite vein at 10 deg.	10		

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
67.50	96.50	Jasper Sandstone.	Dark green, medium-grained, angular quartz and feldspar plus flecks of jasper. Calcareous veinlets at 55 deg.. Sericitic fractures at 23 deg Minor irregular chips of dark siltstone. Disseminated pyrite. Calcareous and non-magnetic.	55 23		
96.50	107.50	Altered Sandstone	Chloritized, non-calcareous, non-magnetic, similar to previous altered sandstone. Fractures, 1/4", calcite-chlorite, parallel to foliation. Fractures define the contacts. Banding, 1/8"-1/2". Pale porphyroblasts of siltstone.			
107.50	149.75	Jasper Sandstone	As at 67.5-96.5. Minor quartz-feldspar veining at 50 deg.. Becomes lighter green, foliated at 20-30 deg.. 147 Becomes pinkish with fractures coming from next unit below. Fractures have chlorite, quartz and feldspar. Up to 1/4" and oriented at 19 deg..	50 20-30 19		
149.75	280.00	Syenite Porphyry	Fresh, red, magnetic, medium-grained, slightly calcareous. Pinkish, 1/4", phenocrysts of feldspar, 20%. Paler, recrystalized, rip-up clasts of jasper sandstone. Various stages of re-crystalization. Quartz-carbonate-chlorite veining, 5%, oriented at 25 or 49 deg.., Substituted by pink calcite at 180 Good intrusive contact, flow foliated at 41 deg.. Flecks of dolomite, fine. 201.5-239 Calcareous. 228-232 Pink quartz-calcite veins oriented at 10 to 20 deg..	 25,49 41 10-20	70	170-174
280.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

HOLE NO. 85-42

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: NOv. 7, 1985
DATE COMPLETED: Nov. 8, 1985
DATE LOGGED: Nov. 9, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 40+00 E / 0+61 N; Railway Grid; ref. L 40 E
TRUE BEARING: —
TOTAL FOOTAGE 280.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 88 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	8.00	Casing				
8.00	9.50	Boulder	Grey, tholeitic basalt			
9.50	32.50	Sheared Syenite Porphyry	Pink to green, well foliated due to shearing at 32 deg.. Rusty carbonate weathering along fractures.	32		
			This unit could also be called a carbonate tectonite. Two sets of quartz-carbonate veins at 0-4 deg. or parallel to foliation. Veining is	0-4		
			5-10 % of the rock. Magnetic and slightly calcareous Pyrite as euhedral grains to 1/8". Stretched, dark to pale phenocrysts of feldspar, 1/4".Some mariposite. Sericitic.			
			9.5-10.5 Band of mariposite, green.			
32.50	64.75	Altered Sandstone	Chloritized, green, medium-grained. Light and dark banding, 1/8" to 1" thick. Well-foliated at 10 to 70 deg.. Some brecciated, 1/4", quartz veins. Distorted and folded near the upper contact. Siltstone porphyroblasts up to 1/2", in bands, pale.	10-70		
			46-47 Quartz veins with brecciation. Matrix of chlorite, fuchsite and fine pyrite. Tends to 24 deg..	24	70	44-46
			52 2" quartz veins, start to get minor calcareous zones.			
			62-64 Fine-grained, siltstone and mudstone.			
64.75	66.00	Breccia	Rounded balls of quartz, 1", with a matrix of fuchsite, chlorite, pyrite and sericite.			
66.00	156.50	Altered Sandstone	Identical to 32.5 to 64.75			
			94-105 Relatively massive, unbrecciated, no veining.			
			114 Well-foliated at 24 deg..	24		

* Planar feature is measured relative to core axis

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
			118-145 Foliated at 0-10 deg.. Brecciated bands of pale mudstone up to 1" thick, 20-40% of the core.	0-10		
156.50	173.50	Jasper Sandstone	Distinct rose colour. Medium-grained, angular quartz and feldspar. Minor flecks of red jasper. Relatively massive. Disseminated pyrite, 2-3%. Bands of chloritized sandstone up to 6" thick, Foliated at 33 deg.. Minor quartz-carbonate veinlets at 34 deg..	33 34		
173.50	261.00	Syenite Porphyry	Fresh, red, magnetic, medium-grained, slightly calcareous. Pinkish, 1/4" phenocryst, 20%. Paler recrystalized xenoliths of sandstone. Especially near the lower contact. Trace of fine disseminated pyrite. Flecks of dolomite. Quartz-carbonate veins, 1/4", 5%, Oriented parallel or at 9, 21 deg.. Could be called a porphyritic trachyte. Uniform and more massive away from the contacts. Xenoliths up to 5" throughout.	9,21		
			256 Start to get more irregular fractures.			
261.00	265.25	Contact Zone	Inter-layered chloritized sandstone, pink jasper sandstone and syenite.			
265.25	274.00	Altered Sandstone	As previous chloritized sandstone. Non-calcareous except for carbonate porphyroblasts, up to 1". Foliated at 15 deg..	15		
274.00	280.00	Syenite Porphyry	Identical to syenite at 173.5-261			
280.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* Plane features in perpendicular relation to core axis.

HOLE NO. 85-43

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 6, 1985
DATE COMPLETED: Nov. 7, 1985
DATE LOGGED: Nov. 8, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 40+20 E / 0+61 N; Railway Grid; ref. 40 E
TRUE BEARING: -
TOTAL FOOTAGE 280.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 87 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	10.00	Casing	Boulders, gabbro			
10.00	35.50	Fractured Syenite Porphyry	Pink to grey, medium-grained. Dark grey to white feldspar phenocrysts, 1/4". Non-magnetic. Slightly calcareous due to fine, white flecks of dolomite. Fine pyrite, 2%. Strongly fractured, foliated at 35-50 deg.. Quartz-carbonate veins, 1/4", 5-10%.	30-50		
			Also a second set of quartz-carbonate veins at 17 deg..	17		
			10-13.5 Up to 30% quartz veining and inclusions of jasper sandstone, weathered.			
			13.5-14.5 Fuchsite rich band, bright green, oriented at 50 deg..	50		
			26-27 Very chloritic dark green, minor sericite. Fractured at 12 deg..	12		
35.50	113.50	Altered Sandstone	Green, medium-grained, non-magnetic, non-calcareous. Well foliated at 46 deg.. Chloritized. Minor fine-grained zones are stretched siltstone pebbles.	46		
			35.5, 43, 61 Quartz veins with minor orange carbonate, fuchsite and pyrite. Oriented at 20-25 deg..	20-25	140	35.5-39
			70-87 Calcareous.			
			71-74 Cataclastic texture with 50% shattered carbonate veins. Sericite, fuchsite matrix			
			99-113 Veins of carbonate, chlorite, pyrite, sericite. 1/4", oriented at 0-5 deg..	0-5	70	107-113.5
113.50	123.00	Fractured Syenite Porphyry	Identical to syenite at 10-35.5. Heavily chloritized zones at contacts and at 116-117		70	117-121
			123-126 Sericite, chlorite, fuchsite and 80-90% quartz veins oriented at 24 deg.. Pyritic.	24		

* Plane feature is normal relative to core a

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
126.00	168.00	Altered Sandstone	Similar to previous altered sandstone but with brecciated pale mudstone and siltstone bands up to 3" thick. Foliated at 0 to 45 deg.. Non-magnetic and non-calcareous.	0-45		
168.00	177.00	Syenite Porphyry	Magnetic, hematite stained, non-calcareous, slightly pyritic. Medium-grained with pinkish, 1/4" phenocrysts, 10%. Carbonate-chlorite fractures, oriented at 39 deg..	39		
177.00	187.50	Jasper Sandstone	Stained red. Medium-grained, angular quartz and feldspar. Disseminated pyrite 2%. Non-calcareous, non-magnetic. Quartz-feldspar veinlets oriented at 42 deg.. common.	42		
			179 Chlorite, pink calcite vein, 1/4" Oriented at 20 deg..	20		
187.50	212.00	Syenite Porphyry	As at 168-177. Chloritic fractures, slightly foliated at 40 deg.. Fractures, 5-10%. Magnetic. Grey phenocrysts, 5-10%, 1/4". Other sets of fractures at 32 and 4 deg.. Fine flecks of dolomite	40 32,4		
212.00	218.00	Altered Sandstone	As previous.			
			212 1" chlorite-calcite-carbonate vein at 16 deg. Up to 5%, fine pyrite.	16		
218.00	245.00	Jasper Sandstone	As previous but green. Relatively massive. Non-calcareous, non-magnetic.			
			242-244 1", pinkish, quartz vein. Oriented at 4 deg..	4		
245.00	252.00	Syenite Porphyry	Similar to previous. Purple-pink. Grey, 1/4", 10-20%. Fine white dolomitic flecks. Flow foliated at 47 deg.. Intrusive contacts. Magnetic.	47		
252.00	274.00	Jasper Sandstone	Identical to sandstone at 218-245. Carbonate-quartz fractures, 1/8", 5%. Oriented at 20 to 33 deg.. More calcareous fractures at lower contact.	20-33		
274.00	280.00	Syenite Porphyry	As previous. Grey, rounded, 1/4" phenocrysts 20-30% Flow foliated at 28 deg.. Less fractured. No pyrite.	28		
280.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

HOLE NO. 85-44

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 11, 1985
DATE COMPLETED: Nov. 12, 1985
DATE LOGGED: Nov. 13, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 39+40 E / 0+81 N; Railway Grid; ref. L 40 E
TRUE BEARING: -
TOTAL FOOTAGE 280.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 88 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	9.00	Casing				
9.00	23.00	Altered Sandstone	Green, medium-grained, chloritized, stretched siltstone chips to 1". Disseminated pyrite, 3%. Well-foliated at 38 deg. Calcareous, orange, carbonate stain along fractures parallel to foliation	38		
			14-15, 21-22, 25.5 Quartz-carbonate veins up to 1" thick. Some brecciation.			
23.00	30.00	Breccia	Irregularly fractured siltstone and altered sandstone Chloritic fractures and irregular quartz or carbonate veins. Tending to be oriented at 40 deg.	40	1030	26-30
30.00	39.50	Altered Sandstone	Similar to previous with light to darlk banding, 1/8-1/2" thick. Non-magnetic and non-calcareous. Foliated at 55 to 70 deg.. No pebbles.	55-70	140	34-38
39.50	87.00	Jasper Sandstone	Typical. Green, medium-grained quartz and feldspar with minor flecks of jasper. Pyrite up to 5% in sedimentary bands oriented at 60 deg.. Quartz-carbonate veins oriented at 40 and 15 deg., 1/4". First foot appears to be bleached and pale. Uniform	60 40,15	890 12600 6990 410 70 140	47-51 51-55 55-59 59-63 63-67 67-71
87.00	93.00	Altered Sandstone	Banded, slightly mobilized sandstone. Jasper is bleached. Siltier. Foliated at 40 deg..	40	70 140	71-75 75-79
93.00	136.25	Jasper Sandstone	Identical to previous jasper sandstone.		70	103-107
136.25	280.00	Syenite Porphyry	Red, medium-grained. Pinkish-white phenocrysts of feldspar. Magnetic. Flecks of dolomite. Quartz-carbonate veins, 5%. Rounded, jasper sandstone xenoliths. First 6' is grey, well-foliated at 40 deg., chloritic.	40		

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite Porphyry (cont.)	152-155, 173-175, 181-185 Increase in irregular carbonate-chlorite fractures. Core is broken-up in places.			
			180 Start to get pink, carbonate veins. Trace of chalcopyrite. Pink, quartz-carbonate vein oriented at 3 deg..	3	70	192-196
			203 1" brecciated quartz-carbonate-chlorite vein. Oriented at 24 deg..	24	70	220-224
			Greyer downhole, non-calcareous.			
			249 6" zone of fracturing, quartz-feldspar-chlorite veins at 75 deg..	75		
			256-260 Zone of fracturing with quartz-feldspar-chlorite veins at 0 to 10 deg..	0-10		
			263 Foliated at 18 deg..	18		
			278-280 Sub-intrusion. Matrix is redder. Foliated at 26 deg.. Larger, grey, stretched feldspar phenocrysts.	26		
			Upper contact is oriented at 46 deg..	46		
280.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Plane feature is perpendicular to core axis.

HOLE NO. 85-45

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 13, 1985
DATE COMPLETED: Nov. 15, 1985
DATE LOGGED: Nov. 16, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 39+60 E / 0+81 N; Railway Grid; ref. L 40 E
TRUE BEARING: —
TOTAL FOOTAGE 280.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 88 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	5.00	Casing				
5.00	14.00	Shreared Syenite Porphyry	Medium-grained. Well-foliated at 35 deg.. Pale green to orange. Orange due to weathering of ferro-carbonate along fractures. Disseminated pyrite, 2%. Non-magnetic, non-calcareous. Grey, 1/4", phenocrysts of feldspar up to 25%. Quartz-carbonate veining about 5%, 1/4. Could be called a carbonate tectonite.	35		
			9-10.5 Quartz-carbonate veining tends to 26 deg.. Fine, disseminated pyrite, 2%	26		
14.00	41.00	Altered Sandstone	Green, medium-grained. Light and dark banding, 1/8-1/2". Porphyroblasts of siltstone up to 1". Pyrite in vein-like zones, 1/4" or disseminated. Carbonate veining, 5-10%, parallel to foliation at 42 deg.. Orange weathering on fractures down to 25 feet. Chloritized.	42	1170 4770 4630	26-30 30-34 34-38
41.00	85.50	Jasper Sandstone	Typical. Green, medium-grained, angular quartz and feldspar. Pyrite, up to 5% in sedimentary bands oriented at 47 deg.. Slightly calcareous. Quartz-carbonate veinlets, minor, at 42 and 20 deg.. Bottom foot has sericitic fractures at 40 deg..	47 42, 20 40	70 480 70 3430	45-53 53-57 57-65 69-73
85.50	91.50	Altered Sandstone	Similar to previous altered sandstone. Well-foliated at 64 deg.. No porphyroblasts and little banding.	64		
91.50	137.50	Jasper Sandstone	Similar to previous jasper sandstone. First foot is bleached and pale. Well-foliated at 36 deg. and recrystalized starting at about 3' from the lower contact.	36	550	127-131
137.50	280.00	Syenite Porphyry	Red, medium-grained, uniform. First 40' relatively chloritic. Fine, flecks of dolomite. Slightly calcareous. Rip-up clasts of re-crystalyzed jasper sandstone, up to 1' long. Fine disseminated			

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite Porphyry (cont.)	pyrite, 2%. Pinkish white to grey phenocrysts, 5-10%. Quartz-carbonate fractures down to 157 oriented at 42, 5 and 25 deg.. Slightly foliated at 42 deg.. Magnetic.	42,5,25 42		
			147-190 Fractures are pink calcite-filled. Syenite is calcareous.			
			208-212 Fracture zone with white quartz-carbonate filled fractures, 20%. Tending to 23 deg..	23		
			Rock becomes greyer, coarser. Quartz veins up to 1" thick at 60 and 18 deg.. Foliated at 22 deg..	60, 18 22		
			253-256 Fracturing with 1" quartz veins. Tending to 22 deg..			
			273.5-280 Sub-intrusion. Orangey with stretched, grey phenocrysts. Upper contact oriented at 46 deg..	46		
280.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar features in core and relative to core axis

HOLE NO. 85-46

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 13, 1985
DATE COMPLETED: Nov. 14, 1985
DATE LOGGED: Nov. 15, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 39+80 E / 0+81 N; Railway Grid; ref. L 40 E
TRUE BEARING: -
TOTAL FOOTAGE 281.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 88 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	12.00	Casing				
12.00	22.00	Sheared Syenite Porphyry	Typical. Medium-grained. Sheared at 44 deg.. Pale green to orange. Orange due to weathering of ferro-carbonate along fractures. Disseminated pyrite, 2%. Non-magnetic and slightly calcareous. Grey, 1/4", stretched phenocrysts of feldspar. Some irregular quartz veins. Could be called a carbonate tectonite.	44		
22.00	43.50	Altered Sandstone	Green, medium-grained. Light and dark banding, 1/8" to 1/2" thickness. Orange weathering of fractured carbonate veins at 36 deg. down to 27. Chloritized	36	480 270 17080	34-38 38-42 42-43.5
			26.5-27.5 Siltstone, greenish due to mariposite content. 27.5-43.5 Porphyroblasts of carbonate veins and siltstone up to 1". 43 1" angular slate chip.			
43.50	86.50	Jasper Sandstone	Green, medium-grained angular quartz and feldspar with flecks of jasper. Pyrite as sedimentary bands oriented at 40 deg.. First foot is bleached.	40	3980 70	43.5-47 47-55
			Minor quartz veins at 32 deg..	32	140 3980	55-59 59-63
			43.5-45.5 Quartz veins, 1/2", oriented at 32 deg.	32	7410 210	63-67 67-71
86.50	95.50	Altered Sandstone	Similar to previous altered sandstone. Well foliated at 40 deg.. No porphyroblasts and little banding. Chloritic fractures at 0 to 4 deg..	40 0-4	70	71-75
95.50	139.00	Jasper Sandstone	Identical to previous jasper sandstone. First foot is bleached.			
139.00	281.00	Syenite Porphyry	Red, medium-grained, first 40' are relatively chloritic. Fine flecks of dolomite. Rip-up clasts of recrystalized sandstone up to 1'. Upper contact is oriented at 50 deg.. The first 3' is chloritized	50		

* - Planar feature is measured relative to core axis

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite Porphyry (cont.)	and well-foliated at 26 deg.. Fine disseminated pyrite, 2%. Pinkish to grey phenocrysts of feldspar, 10%. White carbonate veinlets at 50 deg. Irregular, clear, pinkish quartz veins to 1". Uniform.	26 50		
			162-193 Pink calcareous fractures.			
			189-258 Generally calcareous.			
			193 White calcite fractures.			
			Above fractures are oriented at 50, 8, 33 80 and 65 deg..	50,8,33 80,65		
			264-272 Fracture zone. White carbonate and quartz veins and chloritic fractures. Same orientation as the previous fractures but more intense.			
			272.5 2" shear with chlorite, carbonate and quartz, brecciation. Oriented at 56 deg.. Greyer below this point, chloritized.	56		
			279.5 Sub-intrusion. Upper contact oriented at 43 deg.. Orangey. Grey stretched feldspar phenocrysts foliated at 70 deg..	43 70		
281.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* = Planar feature is measured relative to core axis

HOLE NO. B5-47

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 14, 1985
DATE COMPLETED: Nov. 15, 1985
DATE LOGGED: Nov. 15, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 40+00 E / 0+81 N; Railway Grid; ref. L 40 E
TRUE BEARING: —
TOTAL FOOTAGE 280.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 89 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	10.00	Casing				
10.00	22.00	Syenite Porphyry	Dark red to purple. Foliated parallel to slight sericitic fractures at 45 deg.. Quartz-carbonate veins also parallel to foliation. Medium-grained, Non-magnetic. Flattened, grey, 1/4" feldspar phenocrysts. Chloritic. Fine flecks of dolomite. Fine disseminated pyrite.	45		
22.00	26.00	Sheared Syenite Porphyry	Essentially the same as the previous unit but greenish, paler, stronger foliation at 45 deg.. Fine disseminated pyrite, 3%. Non-magnetic and non-calcareous.	45		
			24.5 Brecciation with mariposite and up to 80% quartz veins and quartz-carbonate porphyroblasts.			
26.00	37.50	Altered Sandstone	Green, medium-grained, chloritized. Light and dark banding, 1/8"-1/2". Pyritic. Bottom 3-4' silty, up to 50% carbonate veins.			
			31-33 Quartz-carbonate veining, orange carbonate, chlorite, sericite and fuchsite. Some brecciation. Foliated at 40 deg.. Pyritic.	40		
37.50	39.50	Syenite?	Pale green with stretched, chloritic masses, oriented at 33 deg.. Mostly fine-grained. Non-magnetic and calcareous. Medium hematite clasts. Pyrite, disseminated. Looks like the margin zone of a syenite unit.	33		
39.50	86.50	Jasper Sandstone	Typical. Green, medium-grained, angular quartz and feldspar with flecks of jasper. Pyrite up to 2% as disseminations and in sedimentary bands oriented at 45 deg.. Slightly mobilized down to 45' with siltstone and chert chips, flattened. Non-magnetic and calcareous down to 48.	45		

* - Planar feature is measured relative to core axis

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Jasper Sandstone (cont.)	Some 1/4" quartz-carbonate veins at 45 and 16 deg.	45, 16		
			58, 79 Black, angular slate chips, 2".			
86.75	97.00	Altered Sandstone	Similar to previous altered sandstone. Slight banding and minor porphyroblasts. Well defined upper contact oriented at 66 deg..	66		
97.00	144.00	Jasper Sandstone	Identical to previous jasper sandstone. The first foot is bleached and pale.			
144.00	280.00	Syenite Porphyry	Red, medium-grained, magnetic. Pinkish-white, feldspar phenocrysts. Large recrystalized sandstone xenoliths, up to 1.5', especially in the first 40 feet. White or pink calcite and dolomite-filled fractures oriented at 23, 16 and 50 deg.. Don't have zones of different types of fracture-filling as in other holes. Up to 10% veining.	23,16 50		
			158-162 Chloritic fractures at 32 deg..	32		
			235 1' zone of yellowed syenite, with a carbonate vein with 25% angular fragments of syenite. Vein is oriented at 30 deg.	30		
280.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis

HOLE NO. 85-4B

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 15, 1985
DATE COMPLETED: Nov. 16, 1985
DATE LOGGED: Nov. 16, 1985
LOGGED BY: R. Anderson / R. Burkhart
GRID LOCATION: 39+00 E / 1+21 N; Railway Grid; ref. L 40 E
TRUE BEARING: -
TOTAL FOOTAGE 280.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 84 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	10.00	Casing				
10.00	84.00	Syenite Porphyry	Pinkish grey, medium-grained with irregular (reabsorbed?) feldspar phenocrysts. Fine disseminated pyrite. Chloritic xenoliths, 5%, up to 1" dia., Mostly angular. Also masses of what could be recrystalized sandstone. Well foliated at 45 deg.. Reacts slightly to acid possibly due to dolomite content. Minor quartz-carbonate veinlets parallel to foliaton or at 18 deg..	45 45, 18		
			13.5 Orange carbonate with fractures parallel to foliation.	45		
			59.5 1" quartz-carbonate vein oriented at 20 deg.	20		
84.00	139.00	Jasper Sandstone	Typical. Green, medium-grained quartz and feldspar with flecks of jasper. Foliation and fine sericitic fractures are oriented at 44 deg. Minor quartz-carbonate veins oriented at 45 or 10 to 14 deg.. Increase in sericitic fractures near lower contact.	44 44 10-14		
139.00	280.00	Syenite Porphyry	Similar to previous syenite porphyry down to 149: slightly calcareous, non-magnetic, well-foliated at 48 deg.. Perhaps fewer chloritic xenoliths. Quartz-carbonate fractures at 44 deg..	48 44		
			149 Becomes redder, magnetic.			
			156 Becomes generally calcareous with pink calcite-filled fractures up to 1/2" thick. Oriented at 13, 52, 19, and 70 deg..	13,70,		
			177-280 dark grey, occasionally brownish.	52,19		
			porphyritic. Phenocrysts (in variable concentrations) of dark green. Chlorite-altered mafics, 1-2 mm., or feldspars to 4 mm. Both show distinct flow orientation. Most feldspars indistinct, some pinkish.			

* - Plane of [illegible]

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite (cont.)	1% xenoliths, to 2" and rounded, of dark green rock more magnetic than host. Moderately fractured. 3% veins, fine to 1/2", of orange carbonate and quartz and very few rimmed with chlorite. Sporadic incipient brecciation and shearing. Minor vein offsets <1/2" Weakly to moderately magnetic. Mineralization, trace of 1% pyrite, much of it well crystallized, down to 240'.			
					410	243-247
			240-280 Pyrite up to 2%, but usually less, some scattered, some in clusters near fractures.		1710	251-255
					140	255-259
					140	267-271
280.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* = Plane, that is to read perpendicular to core axis

HOLE NO. 85-49

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 16, 1985
DATE COMPLETED: Nov. 17, 1985
DATE LOGGED: Nov. 17, 1985
LOGGED BY: C.R. Burkhart
GRID LOCATION: 38+80 E / 1+21 N; Railway Grid; ref. L 40 E
TRUE BEARING: 000 deg.
TOTAL FOOTAGE -
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 86 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	10.00	Casing				
10.00	71.00	Syenite	Or Trachyte Medium greyish green, some with faintly purplish cast. Brown stained near some fractures. Mostly aphanitic to fine-grained groundmass, with sporadic concentrations to 5% of 1-2 mm. dark green chlorite-altered phenocrysts. Few 1-2' fine-grained intervals show speckling from carbonate patches to 4 mm. Xenolithic, with 4% ragged dark green chlorite-altered clasts, to 40 mm. Clasts and phenocrysts cannot be distinguished from each other but are believed to be two populations because of the uniformity of the phenocrysts. Both show flow orientation. 10-61 Moderate fracturing, with 1% veining, fine to 1/8", of quartz with minor carbonate and chlorite. 61-71 Moderate to severe fracturing with minor healed tectonic breccia. Weakly magnetic. < 1% fine scattered pyrite. Sharp lower contact at 42 deg..	42		
71.00	125.00	Sandstone	Medium green. Jasper grains. Fairly uniformly medium-grained. 71-78 Severe fracturing with some rubbly core, minor slickensiding and minor healed breccia. 120-125 Sheared, with some healed brecca and minor slickensiding. Outsice of above intervals, rock is lightly to moderately fractured, with 3% very irregular veining, fine to 2", of mostly			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Sandstone (cont.)	carbonate with minor quartz. Some carbonate slightly orange. Non-magnetic. <1% fine scattered pyrite. sharp lower contact at 42 deg..	42		
125.00	280.00	Syenite	Medium to dark greyish green. Texture variable. Few <3' intervals near massive, weakly porphyritic, pinkish greyer intervals are fine to medium-grained, even-grained with some carbonate speckling. Other intervals have aphanitic groundmass with chlorite-altered dark green phenocrysts, and sometimes also show few pinkish indistinct feldspars.		70	197-201
					1170	201-205
			Few sandstone xenoliths to 6" down to 160'		890	205-209
			Sporadic and variable flow orientation obscured		70	209-221
			by pervasive fracturing, incipient		340	237-241
			shearing, minor shearing (Up to 15 fine fractures		820	241-245
			per inch) and some slickensiding on fractures.		140	245-253
					70	253-257
			7% veins, very irregular, from fine		140	257-261
			to 2", of mainly white or orange		70	261-273
			carbonate to 150', and from 150 to 280		140	273-277
			some quartz and carbonate, some faintly orange.		480	277-280
			Also few fine chlorite veins. Some vein offsets < 1/2".			
			Tectonic effects decrease only slightly in severity with depth. Non to weakly magnetic. Pyrite <1%, with occasional clustering to 1% along or near fractures.			
280.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

HOLE NO. 85-50

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 17, 1985
DATE COMPLETED: Nov. 18, 1985
DATE LOGGED: Nov. 19, 1985
LOGGED BY: C.R. Burkhart
GRID LOCATION: 38+80 E / 1+41 N; Railway Grid; ref. L 40 E
TRUE BEARING: —
TOTAL FOOTAGE 280.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 87 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	6.00	Casing				
6.00	55.00	Syenite	Or trachyte Medium to dark green, mostly slightly brownish. Porphyritic, with 1-2 mm. phenocrysts of dark green chlorite-altered mafic. 3% xenoliths. Clasts are ragged, elongated, to 30 mm. Also chlorite-altered and of same		70	27-31
			dark green colour as phenocrysts.		140	31-35
			Flow orientation 40 deg at 32, fairly constant.	40		
			Moderate fracturing, irregular, but mostly roughly at 0 to 20 deg..	0-20		
			3% veining, to 1/2", of quartz and carbonate, with some chlorite. Carbonate mostly white, but with minor orange. Minor speckling from quartz vugs or angular patches.			
			17.5-19.5 Severe fracturing, brown weathering.			
			Non to weakly magnetic. <1% fine, scattered pyrite, with most in or near fractures. Lower contact in broken rock.			
55.00	119.50	Sandstone	Medium to dark green. Jasper grains.		70	55-59
			Most medium-grained but grades to coarse-grained		70	98-102
			over few 1-2' intervals. Bedding uniform, 32 deg. at 101	32		
			Light to moderate fracturing. 2% veins quartz, with minor carbonate, fine to 1/4", at various angles, but with preferred orientations at 0 and 50 deg..	0,50		
			85-85.5 Healed breccia and gouge.			
			Non-magnetic. < 1% fine scattered pyrite.			

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
119.50	123.50	Fractured Contact Zone	Sheared, slickensided, minor gouge, broken rubbly core. In sandstone. Veining all fine, mostly carbonate. Mineralization as from 55 to 119.5			
123.50	280.00	Syenite	Dark greyish green. Reddish throughout but decreasing in intensity downwards. Probably a shallow intrusive. Texture variable, with generally coarsening grain size downwards, but interrupted by occasional internal flow contacts. Groundmass aphanitic at upper and other flow contacts, to coarse-grained at bottom. Sporadically, weakly porphyritic, with sparse indistinct reddish feldspars. Pervasive, dark green chlorite-altered mafics 1-2 mm.. Both phenocryst types show lineation and partial destuction from incipient shearing. Very few medium green xenoliths, to 3". Looks like syenite. Moderate fracturing throughout. 5% veins, fine to 1/2", most fairly regular, at preferred orientations 0, 15, 50 deg.. Minor brecciation and minor slickensiding on fractures, but no severe tectonic effects. Few vein offsets < 1/2".	0,15,50		
			123.5-147 Groundmass calcareous. 123.5-170 Veins quartz and orange carbonate with minor chlorite. 170-280 Veins mainly quartz with lesser carbonate and minor chlorite.		620 820	251-255 255-259
			Weakly magnetic. Trace of pyrite, in or near fractures.			
280.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

HOLE NO. 85-51

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 18, 1985
DATE COMPLETED: Nov. 19, 1985
DATE LOGGED: Nov. 20, 1985
LOGGED BY: C.R. Burkhart
GRID LOCATION: 39+00 E / 1+41 N; Railway Grid; ref. L 40 E
TRUE BEARING: -
TOTAL FOOTAGE 280.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 85 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	4.00	Casing				
4.00	67.00	Syenite	Very shallow intrusion or flow. Brownish medium green, some with a faintly purplish cast. Variably aphanitic to medium-grained, with finer grained intervals showing dark green chlorite-altered crystals 1-2 mm, and similar clasts, ragged and elongated, to 30 mm. Flow orientation 20 deg. at 32.	20		
			Some carbonate speckling, to 10 mm. Light to moderate fracturing, with fracture veins, fine to 1/4", of quartz with white and orange carbonate. Some veins have chlorite rims. Brown carbonate weathering in some veins down to 67 feet. Non to weakly magnetic. Trace of pyrite, mostly fine, in fractures. Lower contact in rubbly broken core.			
67.00	112.00	Sandstone	Medium green. Rare scattered jasper grains. Most medium-grained, with a few 1-2' intervals coarse-grained. Some sharp internal grain size changes. Bedding 36 deg. at 86, fairly constant.	36		
			Moderate fracturing, mostly at 0, 35, and 60 deg.. 35 deg. are the latest, probably 60 deg. the earliest.	0,35,60		
			3% veins of quartz and white or orange carbonate, most fairly regular, to 1/4", in lowest 5'. Slickensiding on few fractures. Increased fracturing, to incipient shearing, in lowest 5'. Non-magnetic. Fine, scattered pyrite, <1%. Lower contact obscure.			
112.00	278.00	Syenite	Dark grey, most faintly pinkish. Some brown-stained. Texture variable. Crystals and clasts show flow lineation.			

* - Please [illegible]

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite (cont.)	Rock all consistently moderately fractured, with no notable severe tectonic effects.			
			112-165 Border zone, aphanitic to fine-grained, with sporadic ten-foot long intervals weakly porphyritic with pinkish feldspars to 7 mm. Pervasive 1-2 mm. dark green chlorite-altered crystals throughout, about 4%. Also 1% clasts, to 15 mm, of similar composition. Few sandstone xenoliths, to 1 1/2'.			
			165-269.5 Grain size increases from medium-grained to coarse-grained over first 20' and continues coarse to 269.5. Mostly even-grained, but weakly porhyritic in places with feldspars. Crystals outlines indistinct due to incipient shearing.		210	177-185
			269.5-278 Brownish border zone similar to 112-165, but with 8% hematite-stained quartz vugs, to 8 mm.			
			Few fractures slickensided. Fracture orientations as from 67-112, but more irregular breaks from brittly fracture. 5% veins of quartz and carbonate, to 1/2". Often with chlorite rims. Carbonate white with minor orange and decreasing down section. Few vein offsets less than 1/2". Weakly magnetic. Trace of pyrite, as fine crystals, most noticeable near fractures. Lower contact sheared, at 25 deg..	25		
278.00	280.00	Sandstone	Medium green. Medium to coarse-grained. Fine, scattered pyrite, <1%.			
280.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* Plane feature in core - relative to core axis

HOLE NO. 85-52

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 19, 1985
DATE COMPLETED: Nov. 20, 1985
DATE LOGGED: Nov. 21, 1985
LOGGED BY: C.R. Burkhart
GRID LOCATION: 39+20 E / 1+41 N; Railway Grid; ref. L 40 E
TRUE BEARING: -
TOTAL FOOTAGE 280.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 88 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	2.00	Casing				
2.00	76.50	Syenite	Shallow intrusive or flow. Medium green. Brown weathered near fractures. Occasionally a faintly purplish cast. Aphanitic to fine-grained with flow orientation of 5% dark green chlorite-altered fragments, to 35 mm, and in similar, pervasive 1-2 mm crystals. Few rounded sandstone xenoliths, to 25 mm Light to moderate fracturing at mainly roughly 0, 37, and 77.	0,37,77		
			3% veins, some with chlorite rims of quartz and white or orange carbonate veins to 1/4". Few fine veins all chlorite. Relationships between vein sets inconsistent. Minor offsets, less 1/2". Non to weakly magnetic. Trace of pyrite. Mainly fine grains in fractures. Lower contact is obscure			
76.50	119.00	Sandstone	Medium green. Rare jasper grains. Medium to coarse-grained. Bedding 43 deg. at 98, Fairly constant.	43		
			Few internal contacts show sharp grain size changes. Light to moderate fracturing. 4% veining, conformable or irregular, of mainly quartz with some carbonate. Vein offsets less than 1/2". Conformable appear to be the youngest. Minor slickensiding of fractures, but no notable tectonic effects, even near lower contact Non-magnetic. Fine, scatterd pyrite, less than 1%. Lower contact sharp at 51 deg..	51		
119.00	280.00	Syenite	Medium to dark green, brown or reddish stained. Texture variable. Roughly the upper half is aphanitic to			

* - Planar texture is measured relative to core axis

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
			fine-grained, occasionally weakly porphyritic with pinkish feldspars to 5 mm. Pervasive 1-2 mm. crystals of chlorite-altered dark green mafic sandstone xenoliths to 4".			
			Roughly the lower half is medium-grained to coarse-grained. Weakly porphyritic with indistinct partly destroyed feldspars. Very faintly reddish.		750 1300 410	231-235 235-239 243-247
			Moderate fracturing, at 0, 20 and 55 deg., other less pronounced sets. 0 deg. fractures create blocky drilling conditions.	0,20,55	410	279-280
			Brecciation and incipient shearing at 45 to 60 deg. Associated with the 55 deg. fractures are responsible for shear lineation. Some slickensiding of fracture surfaces.			
			4% veins to 1/2", most at above fracture angles, but some irregular, ramifying, of quartz with white and orange carbonate. Orange decreases down section. Many veins chlorite-rimmed. Brecciated and sheared intervals have fine all-chlorite veins, mostly in upper 40 feet.			
			Weakly magnetic. Pyrite mostly <1% as fine to medium-grained crystals in or near fractures. Occasionally increasing to 1% in the coarse-grained rock, over few 2' or less intervals, still near fractures.			
280.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - [illegible] feature is measured relative to core axis.

HOLE NO. 85-53

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 20, 1985
DATE COMPLETED: Nov. 21, 1985
DATE LOGGED: Nov. 22, 1985
LOGGED BY: C.R. Burkhart
GRID LOCATION: 38+80 E / 1+01 N; Railway Grid; ref. L 40 E
TRUE BEARING: -
TOTAL FOOTAGE 280.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 87 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	10.00	Casing				
10.00	12.50	Sandstone	Medium greyish green. Fine-grained. Bedding about 20 deg., Somewhat contorted. 5% conformable quartz and carbonate veins to 1/8" Trace of fine pyrite.	20		
12.50	92.50	Syenite	Shallow intrusive or flow. Medium green, usually slightly brownish. Occasionally has a slightly purplish cast. Flow lineation fairly constant, 31 deg at 22. Aphanitic to fine-grained. Occasionally weakly porphyritic, with indistinct feldspars. Sporadic vugs and angular patches, to 10 mm. of quartz and lesser carbonate. 3% ragged elongated xenoliths, to 25 mm. 3%, 1-2 mm. dark green chlorite-altered crystals absent in places Similar to xenoliths. Xenoliths and crystals may belong to the same population, with the larger fragments simply crystal clumps. Light to moderate, fracturing, with main directions at 0 and 45 deg., fewer fractures at 20-30 deg. 4% veins, to 1/2", of quartz and white, with minor orange, carbonate. Some veins have chlorite rims and some finer veins all chlorite. Non to weakly magnetic. Fine pyrite, less than 1%, sometimes shot through, Sometimes more noticeable in or near fractures. Sharp but irregular lower contact.	31 0,45 20-30		
92.50	152.00	Sandstone	Medium green. Rare jasper grains. Medium to coarse-grained. Bedding 27 deg. at 113, slightly variable, often obscure. Light to moderate fracturing. 3% quartz and carbonate (mostly white, with some orange) veins, fine to 1/2", at 0-10 deg.,	27 0-10	210	145-149

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Sandstone (cont.)	conformable at 25-35, and third set at 65 to 70 deg Shear lineation at 35 deg, in lowest 3 feet.	65-75		
			Non-magnetic. Fine, scattered pyrite, less than 1%	35		
152.00	280.00	Syenite	Medium to dark green. Faintly to distinctly reddish. Texture variable. Roughly the upper 60 feet and lower 20 feet are aphanitic to fine-grained, sometimes porphyritic with indistinct pinkish feldspars. Pervasive throughout and in some aphanitic intervals the only recognizable crystals present are 1-2 mm. dark green, chlorite altered mafics. Roughly the middle 50' is very faintly reddish, medium to coarse-grained, weakly porphyritic with indistinct feldspars. Sandstone xenoliths to 8", to 222'. Strong shearing in upper 2'. Below that, moderate fracturing, occasionally increasing to incipient shearing. Main directions of fracture are 0, 35 and 55 deg. Those at 0 deg. are tension cracks.		410 340	216-220 220-224
			Some fracture surfaces slickensided. Few vein offsets less than 1/2". 5% veins to 1/2", of quartz, white and orange carbonate and chlorite rims. Few fine veins all chlorite. Orange carbonate decreases down section and almost disappears. Weakly magnetic. Fine pyrite, <1%, mostly in or near fractures.			
280.00		End of Hole	All drill core was split and assayed for gold. Assays greater thab 70 PPB are indicated.			

HOLE NO. 85-54

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 21, 1985
DATE COMPLETED: Nov. 23, 1985
DATE LOGGED: Nov. 24, 1985
LOGGED BY: C.R. Burkhart
GRID LOCATION: 39+00 E / 1+01 N; Railway Grid; ref. L 40 E
TRUE BEARING: -
TOTAL FOOTAGE 280.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 87 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	10.00	Casing				
10.00	22.00	Sandstone	Dark to greyish green. Fine to medium-grained, variable, with interlaminations (1 cm. or less) of different grain sizes. Fining downwards. Dip steepens downwards, 45 deg. at 13,	45		
			31 deg. at 19.	31		
			Carbonate grains visible in coarser parts. Brown weathering on fractures. Light fracturing, mostly conformable. 2% quartz and carbonate veins, to 1/8". Non-magnetic. Trace of very fine disseminated pyrite. Lower 6" are bleached. Lower contact sharp, at 35 deg. with 1/8",	35		
			quartz vein.			
22.00	90.00	Syenite	Shallow intrusive or flow Medium green, usually faintly brownish. Top 3' and other short intervals reddish. Mostly aphanitic, some fine-grained. Flow lineation of 2% chlorite altered dark green xenoliths, to 25 mm.. Also in occasional clusters, 1-2 mm. crystals of same. Sporadic quartz and carbonate vugs and patches, to 8 mm., many with chlorite rims. Light to moderate fracturing with 2% veining, to 1/4", of quartz with lesser carbonate and minor chlorite as rims or fine veins. Most veins straight but some slightly contorted, with few offsets less than 1/2". Slight movement shown by few slickensided fracture surfaces. Brown carbonate weathering seen, in some veins to 77 Faint sprinkling fuchsitic green in vein near upper contact. Non to weakly magnetic.			

* - Plane of fracture is measured relative to core axis

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite (cont.)	Pervasive trace of fine pyrite, with little noticeable concentration near fractures. Lower contact sharp, irregular.			
90.00	144.50	Sandstone	Greyish to dark green. Rare jasper. Mostly medium-grained, minor coarse-grained and with fine-grained in upper few feet. Changes gradational Bedding somewhat variable, obscure, hard to tell from imposed lineation where most distinct. Lightly fractured, but weak shear lineation in upper and lower 3' Very few slickensided fractures. 2% veins, fine to 3/8", of quartz with minor carbonate and chlorite, and traces hematite. Vein angles 30 to 70 deg.. Mostly probably conformable. Non-magnetic. Pyrite averages 1% as fine, scattered grains or coarser (to 1mm) fracture-related blebs, or very rarely to 10%, in < 1/4" conformable layers. Lower contact indistinct, sheared.	30-70		
144.50	280.00	Syenite	Colour and texture variable.			
			144.5' to roughly 220 - medium to dark green, mostly stained brownish or slightly reddish.			
			Aphanitic to fine-grained.		70	164-168
			Sporadically porphyritic with 7% indistinct reddish feldspars, sometimes coincident with 3% 1-2 mm. dark green chlorite-altered ctystals.		70	184-188
			1% clasts or crystal clumps, to 15 mm, of same dark green.		70	200-204
			Xenolithic with sheared sandstone blocks to 2'			
			220-262.5 Dark green, usually slightly reddish		270	232-236
			Weakly porphyritic with partly destroyed feldspars. Some quartz and Carbonte patches, to 10 mm.		550	236-240
					340	240-244
					70	244-260
			Sharp internal lower contact.		70	270-280
			262.5-280 Light brown, aphanitic. Speckled with 15% rounded, grey, opaque mineral softer than host. No acid reaction			
			Tectonic effects consistent throughout. Moderate fracturing, often increasing to incipient shearing. Minor actual shearing and minor brecciation. Variable shear lineation. Slickensiding on a few fracture surfaces. 4% veining at various angles but mainly in sets at 0, 45, and 65 deg.. Also			

* - Plane [illegible]

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite (cont.)	few irregular, ramifying. Veins are quartz, white or orange carbonate and minor chlorite, fine to 1" (rarely 1"). Some fine veins all chlorite. Non to weakly magnetic. Pyrite, <1%. Tends to be shot through. Fine-grained in finer grained intervals and coarser (to 1 mm), more clearly fracture-related, in coarse-grained intervals.			
280.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relati to core axis.

HOLE NO. 85-55

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 23, 1985
DATE COMPLETED: Nov. 25, 1985
DATE LOGGED: Nov. 25, 1985
LOGGED BY: C.R. Burkhart
GRID LOCATION: 39+20 E / 1+01 N; Railway Grid; ref. L 40 E
TRUE BEARING: -
TOTAL FOOTAGE 350.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 86 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	10.00	Casing				
10.00	45.50	Sandstone Siltstone	Grey or medium to dark green. Rare jasper grains. Sandstone fine-grained and fining upwards. Interlaminations (1 cm or less) and fine interbedding of two types. Some siltstone chips in sandstone at 25-26. Bedding distinct. 30 deg. at 16, 32 deg. at 40. Minor slumping. Light fracturing, mainly at 0 deg. and conformable with 2% veins of quartz with minor corbonate. Non-magnetic. Pyrite usually less than 1%, fine scattered or concentrated near fractures or in bedding layers. 35.75-37.5 Pyrite average 5%, to 50% in one 1/2" layer. Lower contact is gradational, somewhat arbitrary.	30 32 0 30	70	10-18
45.50	82.50	Sandstone	Medium to dark green. Rare jasper grains. Medium-grained, generally fining upwards, to fine-grained. Bedding indistinct. Light to moderate fracturing, with some lineation from incipient shearing, increasing slightly toward lower contact. 2% veins as from 10-45.5'. Non-magnetic. Pyrite is less than 1%, usually fine and scattered.			
82.50	101.50	Syenite	Shallow intrusive or flow. Medium green, light brownish near contacts. Aphanitic to fine-grained. Sporadic sparse 1-2 mm dark green chlorite-altered crystals. <1% clasts, Less than 10 mm of the same dark green. Flow lineation 40 deg. at 96, fairly constant Fracturing same as from 45.5 to 82.5, except that chlorite forms some fine veins and	40		

* - Plane fabric is measured relative to core axis

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
			rims others. Non-magnetic. Pyrite is less than 1%, fine scattered, or to 1 mm. as fracture related clusters.		210	98-101.5
101.50	143.00	Sandstone	Same as from 45.5-82.5, but only a trace of pyrite. Weak shear lineation at 25 deg. for few feet before lower contact and continues across for 2 feet.			
143.00	342.00	Syenite	Variable colour and texture.			
			143-198 Aphanitic to fine-grained, medium green stained brownish or reddish. Weakly porphyritic over few scattered intervals 2 feet or less long, with pinkish feldspars. More prevalent, over about 70%. If the interval are 1-2 mm dark green chlorite-altered crystals, to 7% Also very rare crystal clumps or fragments to 10 mm of same dark green. Sheared magnetic greyish-green coarse xenoliths (questionably sandstone) to 1 1/2'			
			198-277(approx.) Dark green slightly reddish. Medium to coarse-grained with shear lineation at 35-40 deg. Throughout are 2-3 mm smeared crystals of dark green, chlorite-altered mineral.		140	207-211
			Rock usually weakly porphyritic with partly destroyed feldspars. Also sporadic patched quartz, to 8 mm.		70	271-279
			277-342 Starts out as brownish to reddish border zone same as from 143 to 198, but turns mixed between two above types and some fine-grained medium green unstained intervals. Shear lineation continues.		70 70 70	287-291 303-307 331-339
			Tectonic effects are more severe than in Hole 85-54 Moderate fracturing throughout, increasing to severe over several few-feet long intervals, with brecciation, incipient shearing, and some shearing. Ground very blocky to drill when on 0 deg. fractures. 6% veins of quartz, white or orange carbonate, often rimmed with chlorite and many finer veins all chlorite. Orange carbonate decreases with depth. Veins to 1/2' (rarely), some as networks in breccia zones and others at various angles. Sets not identified except for 0 deg. Pinchouts, evidence of tension cracks seen at 0 deg. and some other angles.	0		

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
			Frequent vein offsets to 1" Minor slickensiding of fracture surfaces. Weakly to moderately magnetic. Pyrite less than 1%, some as fine scattered, some in weak concentrations near fractures.			
342.00	350.00	Sandstone	Dark green. Rare jasper. Medium-grained. Lightly fractured, much less than syenite above. 6" of weak shearing obscures contact. Bedding indistinct. 2% veins to 1/8", most at 80 deg., and mostly quartz with minor carbonate. Non-magnetic. Pyrite, less than 1%.	80		
350.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

HOLE NO. 85-56

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 25, 1985
DATE COMPLETED: Nov. 26, 1985
DATE LOGGED: Nov. 26, 1985
LOGGED BY: C.R. Burkhart
GRID LOCATION: 39+40 E / 1+01 N; Railway Grid; ref. L 40 E
TRUE BEARING: —
TOTAL FOOTAGE 280.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 88 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	10.00	Casing				
10.00	45.00	Sandstone Siltstone	Grey or medium to dark green. Sandstone fine-grained, fining upwards Interlaminations or fine interbedding of two types. Bedding distinct, 47 deg. at 14 and 47 deg. at 38, but some variation, wrinkling, minor slumping. Light fracturing, with 2% veins to 1/4", mostly conformable, of quartz with minor carbonate. Non-magnetic. Pyrite, less than 1%, fine, scattered except over 6" at 44 where it increases to 5% in several bedding layers 1/8" or less. Gradational lower contact.	47		
45.00	129.00	Sandstone	Medium to dark green. Rare jasper grains. Medium to coarse-grained, generally fining upwards. Continuation of above unit, but bedding becomes obscure. Weak shear lineation over last 2 feet. Distinct joint sets at 0 deg. (partly tension cracks)		270	93-97
			and 70 to 80 deg.. Some at other angles	70-80	270	101-105
			3% veins, to 1/4", of quartz, white or orange carbonate and some chlorite		140	113-117
					480	117-121
			Minor slickensiding on fractures. Non-magnetic.		270	121-125
			Pyrite, less than 1%, fine scattered.		140	125-129
129.00	280.00	Syenite	Variable colour and texture. 129-200(approx.) Border zone. Medium green, stained brownish to reddish. Aphanitic to fine-grained. Scattered zones to 3 feet long with up to 5% indistinct feldspars. Over most of interval are dark green 1-2 mm chlorite-altered crystals. 1% clasts or crystals clumps of same, to 10 mm.			

* - Planar feature is measured relative to core axis.

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
		Syenite (cont.)	Xenoliths to 2' dia., mainly in upper 40 feet, of magnetic, sheared coarse-grained greyish green rock. Weak shear lineation.			
			200-274 (distinct change) Medium to dark green, stained reddish to faintly purplish. Medium to coarse-grained. Weakly porphyritic, with mafics, as above but 2-3 mm, and indistinct feldspars, both partly destroyed, smeared. Sporadic patches quartz and carbonate flecks, to 4 mm.		140	213-217
			274-280 Aphanitic to fine-grained border zone similar to 129-200, but no dark green clasts.			
			No localized severe tectonic effects, consistently moderate to severe fracturing, with sets at 0-20, 60-75 and others at various angles.	0-20 60-75		
			Fracturing increases sporadically to incipient shearing over < 1 foot. Zones throughout, shown by networking or ramifying fracture and veinlet clusters 4% veins of quartz, white or orange carbonate and some chlorite rims or fine veinlets. Veins fine to 1/4" except:			
			246-271 8% veins, with the 0-20 deg. set to 1/2" Shear lineation somewhat variable. Some slickenside fracture sufaces and some vein offsetting < 1/2".			
			Non to weakly magnetic. Pyrite, less than 1%, fine, scattered, with some weak concentrations, coarser to 1 mm. to 1% in and near fractures.			
280.00		End of Hole	All drill core was split and assayed for gold. Assays greater than 70 PPB are indicated.			

* - Planar feature is measured relative to core axis.

DIAMOND DRILLING LOG - MCGARRY RESOURCES INC

HOLE NO. 85-57
PAGE 1

CORE SIZE: BQ
DRILLING CO.: Midwest
DATE STARTED: Nov. 26, 1985
DATE COMPLETED: Nov. 27, 1985
DATE LOGGED: Nov. 27, 1985
LOGGED BY: R. Anderson
GRID LOCATION: 39+60 E / 1+01 N; Railway Grid; ref. L 40 E
TRUE BEARING: -
TOTAL FOOTAGE 280.00
CLAIM NUMBER: L 428754
PROPERTY NAME: AZA
HOLE DIP TESTS: 90 @ 0; 88 @ 280
TOWNSHIP: McGarry

FROM (ft.)	TO (ft.)	ROCK TYPE	DESCRIPTION	PLANE ANGLE* (deg.)	GOLD ASSAY (PPB)	ASSAY INTERVAL (ft.)
0.00	6.00	Casing				
6.00	38.00	Sandstone Siltstone	Green, fine to medium-grained, angular quartz. Usually interbedded. Minor grey 1" pebbles. Bedding at 48 deg..	48		
			5-10% porphyroblasts and fractured Quartz-carbonate veins up to 1" thick		210	22-26
			usually at 48 deg. Minor veining at 0-10 deg.	48		
			Pyrite, up to 5%, as disseminations or as irregular vein like concentrations.	0-10		
			Non-calcareous.			
38.00	119.50	Jasper Sandstone	Typical. Green with angular quartz and feldspar with minor flecks of jasper.			
			Sericitic, foliated at 62 deg..	62		
			Non calcareous. Pyrite, 2-3 %, disseminated.			
			The first 6' is slightly bleached.		70	38-46
					70	50-54
			55 becomes calcareous.		70	62-66
			80 density of sericitic fractures increases and start to get zones that are non-calcareous.			
			85 Sericitic fractures become irregular.			
			90.5-91 All brecciated by sericitic		140	90-94
			99-104 fractures and quartz-carbonate veins		70	94-106
			107-109 oriented at 58 deg.. 107-109 has	58	140	106-110
			118.5-119.5 quartz veining oriented at 17 deg.	17	410	110-114
					140	114-118
119.50	280.00	Syenite Porphyry	Orange to purple. Medium-grained Slightly calcareous due to fine flecks of dolomite or 1/4" phenocrysts of dolomite. Also rounded, pinkish-grey feldspar phenocrysts. The first 40 feet has xenoliths of altered jasper sandstone up to 1.5'. Orange colour is related to irregular quartz-carbonate veining up to 1" thick. Orange colour mostly in the upper part of the unit.			

* - Planar feature is measured relative to core axis.

1985 BASAL LODGMENT TILL EXPLORATION FOR GOLD ON AZA PROPERTY, McGARRY TOWNSHIP, ONTARIO

On Behalf of

McGarry Gold Partnership Inc.
and its General Partner
McGarry Resources Inc.

By

Lee Geo-Indicators Limited
94 Alexander Street, Box 68
Stittsville, Ontario K0A 3G0
Telephone (613) 836-1419

August, 1985

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Telephone (613) 836-1419

August, 1985

SUMMARY

Basal lodgment till exploration was carried out by Lee Geo-Indicators Limited for McGarry Gold Partnership on the latter's Aza property in McGarry Township, Ontario. The work was done in 1985 during the period of May 15 to June 22 for sampling, and into July for the processing studies and reports. All of this was completed in time for diamond drilling to commence in early August of the same year. In this work basal lodgment till is strictly defined and adhered to as that bottom-most (basal) till directly on bedrock and having lodgment till characteristics.

Out of 114 bulk till samples collected and processed in 1985, 27 of them alone turned out to be anomalous in gold with 5 pieces or more per cubic-foot. These anomalous gold samples delineate at least 6 new gold trains, and it now brings the total on the Aza property to 14. These trains have been grouped into target sites for testing by direct diamond drilling. Recommendations are here made for the drilling of 21 holes of 500 to 800 foot-lengths. Three other target sites are selected for biogeochemical spruceneedle duff sampling before testing by diamond drilling.

Additional detailed basal lodgment till sampling is here recommended to be centred on 34 anomalous gold localities which derive from both the 1985, and previous, till sampling results. In addition to the above, a program of open till sampling is recommended where gaps have been left from the 1985 program.

To protect the western extension of the northwestern target site, "Sweat Pond", it is here recommended that 5 mining claims be staked-out to the west in adjacent McVittie Township, and this to be done prior to drilling.

As a spin-off from the exploration for gold, pathfinder minerals from suspected kimberlites, as host rock for diamonds, and some suspected diamonds have been saved. It is here recommended that definitive mineralogy be done on these saved minerals and rock specimens to confirm diamond, pyrope, and chrome-diopside. If positive identification is attained, then a quantitative approach designed for diamond exploration is here recommended.

TABLE OF C

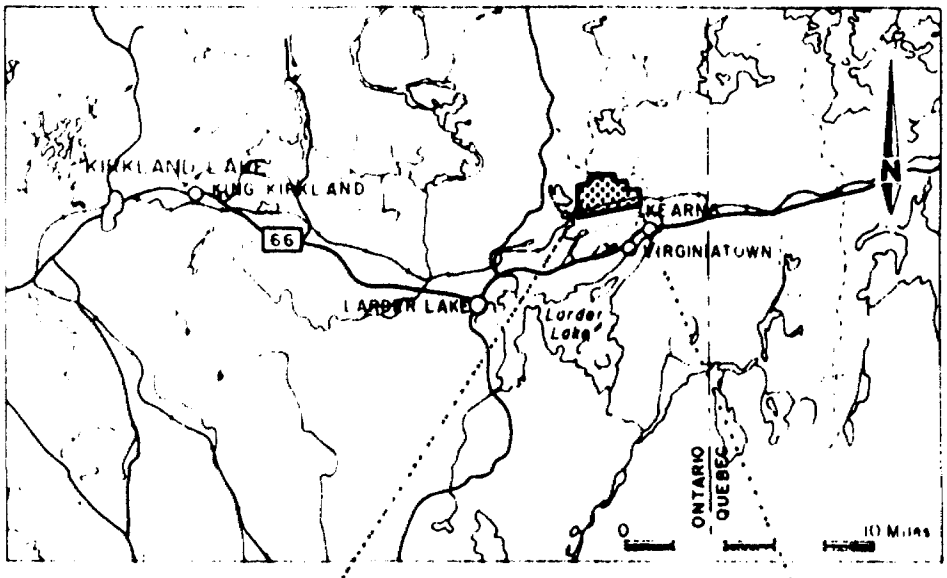

Figure 1. Key map

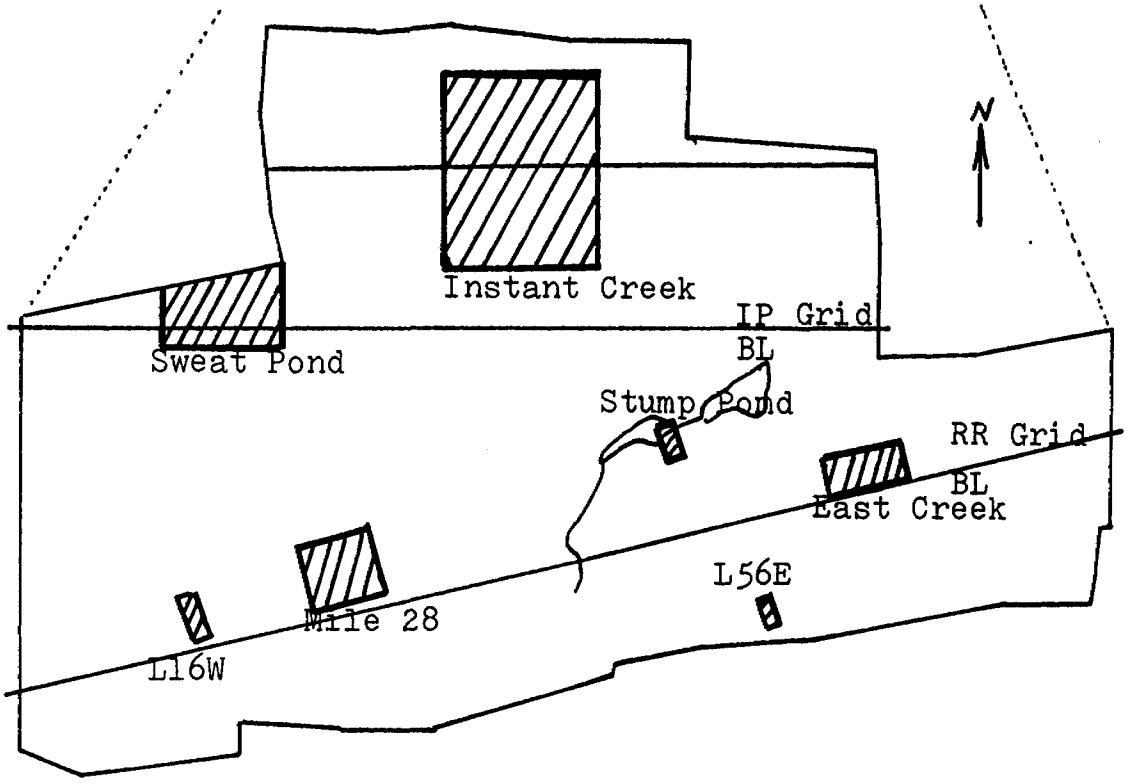

Figure 2. Target sites selected for diamond drilling

1985 BASAL LODGMENT TILL EXPLORATION ON AZA PROPERTY OF MCGARRY GOLD PARTNERSHIP INC.

PREAMBLE

The purpose of this lodgment till exploration survey is to find gold targets which can be directly tested in bedrock for ore or gold mineralization by diamond drilling.

Basal lodgment till exploration was done over the Aza property of McGarry Gold Partnership Inc. during the period of May 15th to June 22nd, 1958. The property is situated about two kilometres north of Virginiatown in the Larder Lake Mining Division of Ontario. It is shown on the key map of Figure 1.

The work was done under the direction of Lee Geo-Indicators Limited as operators and Managers of Exploration and under the authority of the approved budget of McGarry Gold Partnership Inc. dated March-April, 1985.

The field sampling crew was made up of geologist R. Anderson, explosive blaster Claude Jacques, geological technician Michel Mongrain. The gold panning crew consisted of prospector, Theodore Miron, and the superpanning-mineralogy crew consisted of geologist-mineralogist, Hulbert A. Lee.

STRATIGRAPHY

The Quaternary stratigraphy affecting the lodgment till sampling below Humus is:

Rubble and colluvium

Glaciolacustrine clay-silt, or sand

Glacial boulders and ablation till

Lodgment till

Precambrian bedrock

The bedrock was shaped by glaciation into roches moutonées with their stoss ends facing north-northwest. This is where most of the basal lodgment till was deposited. The wave-washing by the former glacial lake has covered this lodgment till by washing down clay, sand, rubble – whichever pre-existed locally – and it covered any ablation till and boulders which were already on top of the lodgment till. Our sampling is done, below this wave-washed zone and ablation till within the very thin substratum of undisturbed lodgment till.

Besides the wave-washing, postglacial groundwater tables must also be considered at each sample site. A normal cycle of groundwater is one of a high watertable in the springtime and a low-one in the fall and winter.

During standstills of the water table in this cycle, groundwater and oxidation have attacked the mafic minerals and the sulphides along joints and fractures in the bedrock. Iron is released and it goes into the groundwater both in solution and as colloids, and then seeps laterally downhill into the Quaternary sediments coming to rest as exotic limonite where it forms ortstein, or hardpan, or placon. Such ortstein represents an impregnation of the till, or washed till by exotic limonite and makes these into hard cemented agglomerations that are impossible to properly pan or to superpan, hence in our sampling the ortstein is purposely avoided.

PROCEDURES

The basal lodgment till is an unique process-layer formed under the base of the former ice-sheet next to bedrock and represents dominantly local transport

along straight lines. It allows for total prospecting of the exposed and covered bedrock surface more than any other exploration method.

Basal lodgment till is strictly defined and its identification criteria are adhered to in this program so that direct diamond drilling will be successful to locate bedrock sources. Whenever the sample collected fails to meet any of the strict criteria the sample is termed PS and results from it are treated with caution. After all, as already mentioned, direct drill targets are selected from data extracted from the lodgment till, and much expense, effort, and ultimate success in predictions and assays depend on its correct identification.

The pentinent criteria that are looker for and met in the lodgment till samples for the Aza property are:

At the field locality

- rests directly on glacially polished bedrock
- sub-rounding of most clasts
- restriction of large clast size, primarily to pebble size
- compact
- fissile
- clasts break clean from the matrix and leave a perfect cast
- full range of particle sizes
- free of ortstein; this is important to sample processing

During Panning

- The 4 to 8 mm size range of clasts includes a full suite of local bedrock lithologies.

During Superpanning

- full suite of heavy minerals, primarily magnetite and garnets
- wide textural gradation of grain sizes.

The tables which follow in this report summarize the local conditions for each sample locality, while the maps show distribution of samples and results. Any poor samples, PS are identified on the map.

Not only was the sampling of lodgment till controlled, but so were the procedures of panning and superpanning. The latter two followed the manuals set-out in procedures used by Lee Geo-Indicators Limited prepared after exhaustive testing and use (Internal Company Reports). All the above controls on sampling and extraction of data are essential for drill control and permit a valued weighing of data at this stage of interpretation, judgment, and prediction.

RESULTS FOR GOLD EXPLORATION

General

Reference is made here to the map "Gold Pieces in Basal Lodgment Till", at a scale of 1 inch to 400 feet. The data plotted on the map comes from quantitative measurements of clasts (particles or pieces) of gold in the standardized one cubic-foot volume sample. The gold clasts were counted under the microscope on the pan concentrate before removal from the superpan. This data, fully controlled during sampling and analysis, permits the delineation of the gold train boundaries as shown on the map.

Eight distinct gold trains, ranging from just over background at 4 pieces of gold per cubic-foot up to 44 pieces per cubic-foot, are identified from the 1985 program alone. This now brings the total identified gold trains on the Aza property to 14.

Using only the 1985 data, the gold trains are here grouped by target sites for purposes of either direct drilling where there are sufficient samples, or for detailed biogeochemical sampling and analysis where there is less sampling control, and then direct drilling.

Further discussion of the detailed data that were extracted from 1985 lodgment till sampling will now be by target sites, which have been named for drilling purposes as Sweat Pond, Line 36W RR Grid, Mile 28, Instant Creek, Stump Pond, and Line 56E RR Grid.

DRILL SITES SELECTED

Sweat Pond Site of Instant Pond Grid

Table 1. Sweat Pond Site

Summary of Geo-Indicators for Gold Mineralization from Lodgment Till Samples:

A. Down-Ice Gold Anomaly

Sample No.	No. of gold clasts and predicted source: No. V.G. Clasts	Pyrite	Local Shear	Qtz. Vein	Local Undetermined	Long Distance	Pathfinders with Description
E78	12	12	0	0	0	0	Tabular fg dark green basalt and tabular veined fractured gabbro-basalt. FANA* assay 4PPB. Abundant epidote. Blue-black quartz vein with inclusions of fine grained tourmaline needles.
E79	4	1	2	0	1	0	Jasper and hematite
E83	4	1	0	0	3	0	Red garnets abundant. Tabular dark black to pale green fg basalt with FANA assay of 16 PPB. Undetermined red rock that is fractured, hematized (volcanic?) with FANA assay of 4PPB.

Table 1 (continued)

E84	5	1	0	1	3	0	Epidote is abundant
E88	5	0	1	0	4	0	Minor mica
E90	11	4	0	0	7	0	Pink feldspars in abundance. Predict syenite.
E92	16	4	0	0	12	0	Polished section reflective microscope on magnetic concentrate shows intergrowth of magnetite-ilmenite-hematite which assays by FANA at 21 ppm (0.9 oz/ton) silver. No silver mineral seen by microprobe search. A fractured sheared basalt with chlorite-quartz-feldspar vein and diorite with veining assays by FANA at <1 ppb Au. A probable basalt with fine chlorite fractures that is pyritic, red and rusty; assays by FANA at 3 ppb Au.
E93	12	4	1	1	6	0	Hematite stain on vein quartz. Veined and fractured volcanics assay by FANA at 23 ppb. Undetermined red stone that is fractured and stained (likely volcanic) assays by FANA at <1 ppb.

B. Cut-Off Up-Ice

E3	1	
E4	0	
E17	0	Pyrite
E18	1	
E19	0	
E20	1	
E21	0	
E72	6	Source target is off claims
E76	3	

C. Cut-Off To East

E91	0	

D. No Cut-Off To West

* FANA Fire Assay – Neutron Activation

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Table 2a.

CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 78 **Size:** One cubic foot **Location:** 35+35W/1+55S IP Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae	North — South
Yes	Yes	Yes	Yes	160°	0-4" washed fill 4"-7" lodgment till 7" + Diorite; hematitic, pyritic

PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. High moderate in heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance	
Garnet:	Pink - moderate	Grass - stain green epidote
Magnetite:	high moderate	Piece of blue-black quartz with fine
Hornblende:	moderate	tourmaline needles
Pyroxene:	low moderate	
Sulphides:	nil	
Others:	Apidote abundant	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
12	Yellow	0.05x0.05x0.05	Smooth			Pyrite indicated source, local

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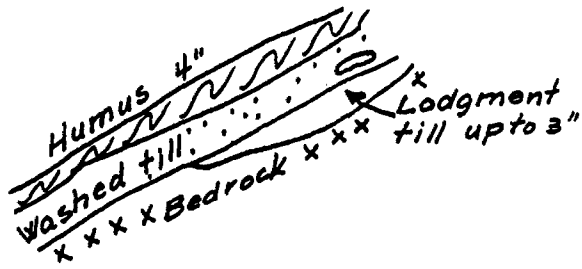
Table 2b. **CERTIFICATE OF MINERALOGY**
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 79 **Size:** One cubic foot **Location:** 36+20W/3+50S IP Grid

---

SITE: North South



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Yes	Wet	Yes	-

PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. Low moderate in heavy minerals.

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet: Orange and Pink - moderate
Magnetite: Low
Hornblende: Low
Pyroxene: Moderate
Sulphides: Nil
Others: Jasper, Hematite alteration

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.1x0.1	smooth easy to pick up		Ridged	Shear - indicated source, local
1	Yellow	0.2x0.1x0.1	smooth easy to pick up			Shear or pyrite - indicated source, local
1	Yellow	0.05x0.05x0.05	smooth hard to pick up		Dumbell	Pyrite - indicated source
1	Yellow	0.05x0.05x0.05	smooth			local

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Table 2c.

CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

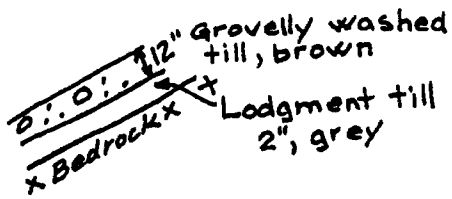
Sample No: E 83 **Size:** One cubic foot **Location:** 40+50W/4+40S IP Grid

---

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Yes	Yes	Yes	160°

North South



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. Low moderate heavy minerals. Tail of pyroxene and hornblende.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange and pink and red - Abundant
Magnetite:	High moderate
Hornblende:	High moderate
Pyroxene:	High moderate
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.1x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth		Hackly	Local
1	Yellow	0.05x0.05x0.05	Smooth		Crescent	Local
1	Yellow	0.05x0.05x0.05	Smooth		Dumbell	Pyrite-indicated source, local
4						

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Table 2d. **CERTIFICATE OF MINERALOGY**
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

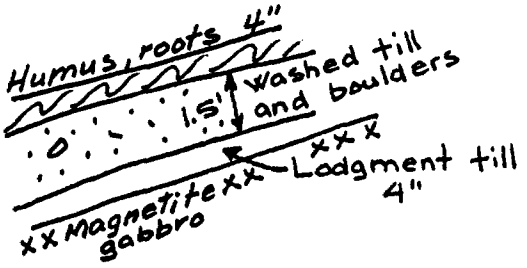
Sample No: E 84 **Size:** One cubic foot **Location:** 34+95W/1+00N IP Grid

---

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Good	Yes	Good	159°

North South



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. High moderate heavy minerals. Tails of epidote green.

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet: Pink - moderate
Magnetite: Moderate
Hornblende: Moderate
Pyroxene: Moderate
Sulphides:
Others: Epidote moderate Zircons high

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.2	Smooth			Pyrite-indicated source, local
1	Yellow	0.2x0.2x0.2	Hackly			Shear or quartz-indicated source, loc
1	Yellow	0.1x0.1x0.1	Smooth			
1	Yellow	0.1x0.05x.005				
1	Yellow	0.1x0.05x0.05				
5						

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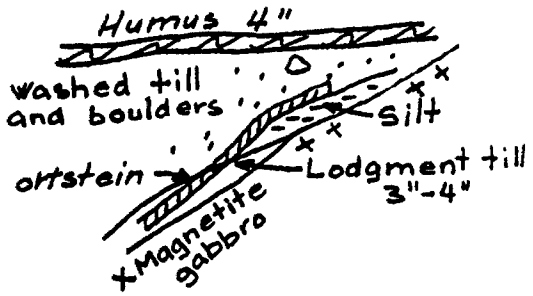
Table 2e. **CERTIFICATE OF MINERALOGY**
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 88 **Size:** One cubic foot **Location:** 41+10W/9+70S IP Grid

---

SITE:

North South



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
-	Very	Good	Good	-

PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. Low moderate heavy minerals. Sample is dark reddish brown ortstein stain.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and few orange
Magnetite:	Low moderate
Hornblende:	Low moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.1	Smooth	⊕	ridged difficult to pick up	Shear or pyrite-indicated source, local
1	Yellow	0.1x0.1x0.1	Smooth	○		Local
1	Yellow	0.1x0.1x0.1		○		Local
1	Yellow	0.1x0.1x0.1		○		Local
1	Yellow	0.2x0.1x0.1		○		Local
5						

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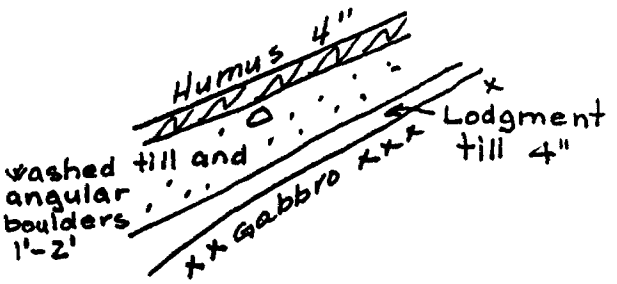
Table 2f. **CERTIFICATE OF MINERALOGY**
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 90 **Size:** One cubic foot **Location:** 43+95E/4+10S IP Grid

---

SITE: North South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Good	Very	Yes	159°



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. High moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance	
Garnet:	Orange and pink - moderate.	Pink feldspars more common that usual
Magnetite:	Moderate	indicates syenite
Hornblende:	Moderate	
Pyroxene:	Moderate	
Sulphides:	Nil	
Others:	-	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.1x0.1	Smooth			Local
1	Yellow	0.2x0.1x0.1	Smooth		Dumbell	Pyrite-indicated source, local
1	Yellow	0.2x0.1x0.1	Smooth		Dumbell	Pyrite-indicated source, local
1	Yellow	0.1x0.1x0.1	Smooth		Hard to	Pyrite-indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth		pick up	Local
1	Yellow	0.05x0.05x0.05	Smooth		Dumbell	Pyrite-indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth			Pyrite-indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth		Dumbell	Local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth			Local
+1	Yellow	0.05x0.05x0.05	Smooth			Local

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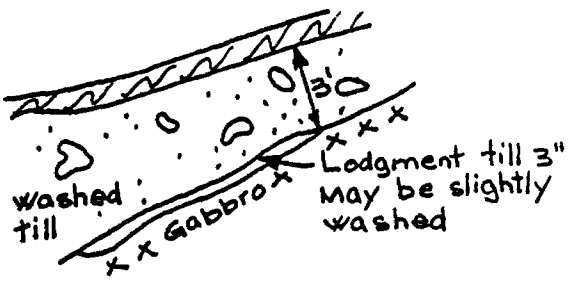
Table 2g. **CERTIFICATE OF MINERALOGY**
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 92 **Size:** One cubic foot **Location:** 33+50W/1+70S IP Grid

SITE:



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Most	Fair	Good poor sorting		156°

PANNING:

SUPERPANNING:

Physical: Pans well. High in heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orangy red. Abundant
Magnetite:	Abundant
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	

Magnetic concentrate made into polished section. "Magnetite" is mixed magnetite - ilmenite - hematite. Concentrate assays by neutron activation at 21 ppm Ag. No. silver mineral found by microprobe.

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.3x0.3x0.2	Smooth			Local
1	Yellow	0.1x0.1x0.05	Smooth			Local
1	Yellow	0.1x0.1x0.05	Smooth			Local
1	Yellow	0.2x0.1x0.1	Smooth		Dumbell	Pyrite-indicated source, local
1	Yellow	0.1x0.05x0.05	Smooth			Local
1	Yellow	0.1x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth		Dumbell	Pyrite-indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth		Dumbell	Pyrite-indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.1x0.1x0.5	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth		Dumbell	Pyrite-indicated source, Local
3	Yellow	0.005x0.005x0.005	Smooth			Local x3

T6

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Table 2h.

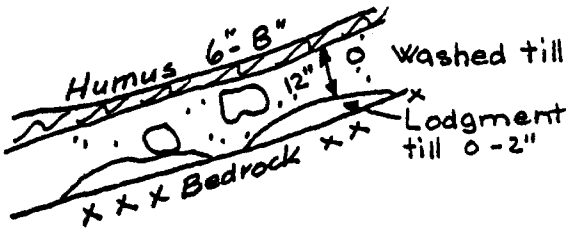
CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 93 **Size:** One cubic foot **Location:** 32+10E/5+50S IP Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Good	Good	Excellent	161°

North South



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavy minerals. Green tail of pyroxene and epidote.

Common Minerals	Est. Abundance, Alteration, Association, Significance	
Garnet:	Orange and pink - High moderate	
Magnetite:	Moderate	Some hematite stain on vein quartz
Hornblende:	High Moderate	
Pyroxene:	High Moderate	
Sulphides:	Nil	
Others:	Minor brown mica, phlogopite	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.2	Smooth		Diamond	Pyrite-indicated source, local
1	Yellow	0.2x0.1x0.1	Smooth		Dumbell	Pyrite-indicated source, local
1	Yellow	0.1x0.05x0.05	Smooth			Pyrite-indicated source, local
1	Yellow	0.2x0.1x0.1	Smooth		Dumbell	Pyrite-indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.005	Smooth			Local
1	Yellow	0.1x0.1x0.05	Smooth			Local
1	Yellow	0.1x0.1x0.05	Smooth			Local
1	Yellow	0.3x0.2x0.2	Smooth		Ridged	Shear-indicated source, local
1	Yellow	0.1x0.05x0.05	Smooth		Wire	Quartz-indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth		Arrow tip	Local

12

Table 3. Sweat Pond Site

Lithology Counts from Lodgment Till on the
4 to 8 mm Size Fraction

Down-Ice Gold Anomaly

Sample E78 — 35 + 35W/1 + 55S IP Grid
(Twelve clasts of gold/one cubic-foot sample of lodgment till)

Percent	Counts	Rock Types and Descriptions
34	41	Granodiorite
14	17	Fine-medium grained basalt with plagioclase specks. Five are magnetic
13	16	Gabbro
2.5	3	Magnetic gabbro
7.5	9	*Fine grained, dark green, tabular basalt
0.5	1	White to grey, coarse-grained quartz
12	14	*Veined, fractured, tabular gabbro, basalt
14	17	Feldspar porphyry, siliceous
2.5	3	Undetermined, fine-grained, tan coloured, pyritic fractures
100	121	

* Grouped and assayed by FANA at 4 ppb Au.
Fana = Fire assay and neutron activation analysis.

Sample E83 — 40 + 50W/4 + 40S IP Grid
(Four clasts of gold/cubic-foot sample of lodgment till)

Percent	Counts	Rock Types and Descriptions
12	18	Fine- to medium-grained, fleshy coloured feldspar (reabsorbed?)
2	3	Fine- to medium-grained, fleshy coloured feldspar (reabsorbed) contact with fine- to medium-grained gabbro

Table 3. (continued)

4	6	Undetermined rock, red colour, fractured, hematized volcanic? Assays at 4 ppb.
1	2	Medium- to coarse-grained diorite
18	27	Fleshy coloured feldspar, granodiorite? Some 19 of the 27 are magnetic
5	7	Fine grained, pale grey-green; feldspar phenocrysts, amygdules
10	14	Gabbro, angular to sub-rounded clasts
2	3	Basalt, fractured and veined
17	25	Basalt dark black, fine grained; clasts are tabular to subrounded of the 25 clasts some 11 are magnetic
29	43	Basalt, pale green, fine grained; clasts are tabular to subrounded
100	148	The dark black to pale green basalt assays at 16 ppb.

Sample E92 — 33 + 50W/1 + 70S IP Grid
(Sixteen clasts of gold/cubic-foot sample of lodgment till)

Percent	Counts	Rock Types and Descriptions
4	7	Fractured, sheared basalt flows, chl-qtz-fsp vein, 1 diorite with veining. Assays as 92 B by FANA at <1 ppb Au.
3	4	Most likely basalt with fine chlorite fractures. Pyritic, red, rusty. Assays as 92A by FANA at 3 ppb.
1	2	Altered gabbro-grass green and black pyroxene. Calcareous?
22	33	Granodiorite, pink feldspars
22	33	Gabbro
32	48	Basalt, sub-angular to subrounded
7	10	Magnetic gabbro,
5	8	Bleached, fine grained. Flow margins?
1	1	Rhyolite, pyritic
3	5	Distal intrusives, long transport. Two are syenite porphyry
100	151	

Table 3. (continued)

Sample E93 — 32 + 10E/5 + 50$ IP Grid
(Twelve clasts of gold/one-cubic foot sample of lodgment till)

Percent	Counts	Rock Types and Descriptions
4	7	Porphyry: fine grained, pale green with pink feldspar phenocrysts 3-4 mm.
9	18	Amygdaloidal basalt: fine-grained, pale green with white-grey filled vugs
3	6	Undetermined redstone, fractured stained-volcanic. Assays as E93 B by FANA at <1 ppb Au.
2	4	Mottled basalt, amygdules are being re-absorbed?
7	14	Diorite, subrounded, Ten pieces are magnetic
13	24	Granodiorite with fleshy feldspars, subrounded. Sixteen are magnetic
40	77	Basalt: fine grained, pale to dark green, subrounded. Twenty-five are magnetic
11	21	Gabbro: medium grained, dark, subrounded. Nine are magnetic
11	20	Veined and fractured volcanics. Assays as E93 A by FANA at 23 ppb Au.
	1	Tabular, feldspar porphyry
	1	Coarse grained orthoclase
100	191	

DRILL SITES SELECTED

Sweat Pond Site

Reference is made to the Sweat Pond Site map. "Gold in Lodgment till, Sweat Pond of IP Grid, scale off 1 inch to 100 feet. Recorded on this map for each locality are the number of gold clasts per cubic-foot of lodgment till, their arrangement as to probable source conditions, and notes on associated rocks and alterations. A more detailed break-down of this data is given in Table 1 and Table 3 while Table 2 shows characteristics of the gold as seen under microscope along with details of sample site.

From this data certain generalities can be made. First on the nature of the gold. It is all yellow gold. It is all fine grained. It is all of local origin. A moderately high component shows the gold to have dumb-bell shapes characteristic of pyrite source. Looking for pyrite source in rock clasts, one observes pyrite only in samples E92 and B35. Some of the gold is cross-ridged and presumably comes from shears. Looking for evidence of shears in bedrock, one sees photo-lineaments that cross the area in a westerly trend and presumably indicate shear zones. Some of the gold is wire-gold and presumably comes from quartz veins. The only quartz-vein material seen in the samples comes from E78, E13, E93, and B35. It should be noted that E13 carries the much favoured blue-black vein quartz with tourmaline, an association characteristic of Lamaque, Sigma, Giant Yellowknife and other gold ore bodies.

Serpentine vein material comes from E85 and E87 and could be from metamorphosed pyroxenes and amphiboles.

Amygdaloidal basalt shows in sample E93 and could indicate a stratigraphic marker horizon.

Hematized rock clasts are common in E83, E99, E92, E93, E79, and E88. A polished section of magnetic concentrate from E92 reveals an ex-solution intergrowth of magnetite-ilmenite-hematite. It seems that the hematite is a result of increased metamorphism. It has been recognized as a common alteration in gold from the new gold camps of Harker-Holloway gold (OGS Abstracts, Geoscience Research Seminar and Open House '86, Dec. 1985). There is also strongly anomalous silver in this magnetite-ilmenite-hematite intergrowth at locality E92 which assays at 21 ppm (0.9 troy oz/ton).

Certainly the bedrocks at Sweat Pond Site when examined in outcrop and in drill core are expected to be altered and metamorphosed. It is clear cut that some of the bedrock will carry gold. However the structural controls for that gold is not yet clear.

Not all the Sweat Pond Site has been explored by the 1985 lodgment till sampling survey. The mining rights on land to the north is patended and held by others which has restricted sampling in this program. The extreme western part of the Aza Property has not yet been explored because of both insufficient available time, and funds.

From the data available at the time of this report, recommendation is here made to test the bedrock with five drill holes laid out as shown on the Sweat Pond Map. Hopefully this testing will be adequate to isolate in bedrock the cause of the gold in lodgment till. If it does not, then an option should be taken on the adjacent claim block farther north, and exploration persued over it as well as doing lodgment till sampling and analysis farther to the west.

Because the land to the west is open for staking, five claims should be staked-out over extension westward of the co-existing magnetic and VLF anomalies.

DRILL SITES SELECTED

Line 16 West Site, Railway Grid

Table 4. Line 16W Site of RR Grid
Summary of Geo-Indicators for Gold Mineralization
from Lodgment Till Samples

Sample No.	No. V.G. Clasts	Down-Ice Gold Anomaly: No. of gold clasts by predicted source					
		Pyrite	Local Shear	Qtz. Vein	Local Undetermined	Long Distance	
E110	44	-	-	-	44	10	Gold is very intricate in shape, hackly and very fresh yellow which makes it unusual in till. Black ilmenite or possibly specularite. Fractured veined, sheared gabbro and quartz veined diorite together assay by FANA at 4 ppb Au.
E111	4	-	-	-	4	0	
E112	10	2	-	-	8	0	Brown coloured sand matrix which is not ortstein. Sheared, fractured silicified diorite, angular edges. Assays by FANA at 20 ppb Au. Silicified diorite is abundant.
D599	19						Bleaching alteration. Qtz-carbonate vein in gabbro clast. Schist of trachyte with sericite alteration. Porcelanic quartz or feldspar.
		Up-Ice Cut-Off					
None		(None for 1200 feet)					
		Western Cut-Off					
E103	0	0	0	0	0	0	
		Eastern Cut-Off					
None							

LEE GEO-INDICATORS LIMITED
(613) 836-1419

94 Alexander Street
Box 68
Stittsville, Ontario, Canada
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Table 5a. **CERTIFICATE OF MINERALOGY**
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

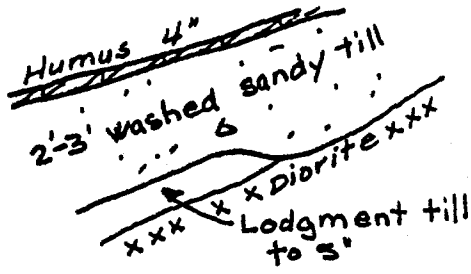
Sample No: E 110 **Size:** One cubic foot **Location:** 16+15W/7+50N RR Grid

---

SITE:

Clasts	Fissile	Compact	Casts	Striae
Sub-rounded				
Good	Good	Loosened	Yes	154°

North South



PANNING: C. Jacques

SUPERPANNING:

Physical: Pans Well. All sizes. High moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and few orange - Moderate
Magnetite:	High Moderate
Hornblende:	Low Moderate
Pyroxene:	High Moderate
Sulphides:	Nil
Others:	Black ilmenite or possibly specularite

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
22	Yellow	0.1x0.1x0.1				
10	Yellow	0.05x0.05x0.05				
4	Yellow	0.1x0.1x0.05				Gold is very
1	Yellow	0.1x0.1x0.05			Ridged	intricate, hackly
2	Yellow	0.1x0.1x0.05				very fresh yellow
1	Yellow	0.05x0.05x0.05				appearance. All
2	Yellow	0.05x0.05x0.05				local
1	Yellow	0.05x0.05x.05				
1	Yellow	0.01x0.05x0.05	Hackly			
44						

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Table 5b. **CERTIFICATE OF MINERALOGY**
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 111 **Size:** One cubic foot **Location:** 16+50W/4+00N RR Grid

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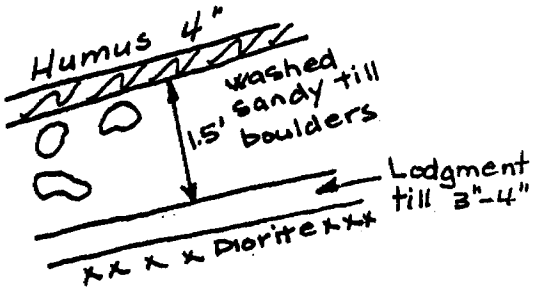
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Most	Good	Very	Good	165°

North South



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange and occ red - High Moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.1x0.05	Smooth	◇		Local
1	Yellow	0.05x0.05x0.05	Smooth	◇		Local
1	Yellow	0.1x0.05x0.05	Smooth	⬭		Local
1/4	Yellow	0.05x0.05x0.05	Smooth	⬭		Local

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Table 5c. **CERTIFICATE OF MINERALOGY**
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

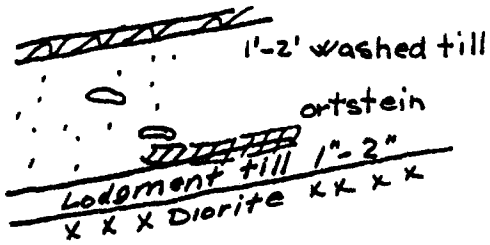
Sample No: E 112 **Size:** One cubic foot **Location:** 16+10W/1+50N RR Grid

---

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Yes	Fair	Fair	167°

North South



PANNING: C. Jacques

SUPERPANNING:

Physical: Pans well, brown but not ortstein. High in fine sand. Moderate in heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange - High Moderate
Magnetite:	High Moderate
Hornblende:	Low
Pyroxene:	High Moderate
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.1x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05				Local
1	Yellow	0.1x0.1x0.1				Local
1	Yellow	0.05x0.05x0.0	Smooth			Local
1	Yellow	0.3x0.05x0.05	Smooth			Local
1	Yellow	0.1x0.1x.005			End of Dumbell	Pyrite indicated source, local
1	Yellow	0.05x0.05x0.05				Pyrite indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05				Local
1	Yellow	1x.05x0.05	Smooth			Local

TO

Table 6. Line 16W Site of RR Grid
Lithology Counts from Lodgment Till

Down-Ice Gold Anomaly

Sample E110 — 16 + 15W/7 + 50N RR Grid
(Forty-four clasts of gold/one cubic-foot of lodgment till)

Percent	Counts	Rock Types with Descriptions
1	1	Syenite
3	3	Gneiss, 1 felsic and 2 gabbro-related
6	7	Diorite-syenite transition
3	4	Diorite with fleshy feldspar
8	10	Fine grained gabbro-basalt with white feldspar phenocrysts
42	50	Fine grained basalt
18	22	Gabbro
2	2	Magnetite gabbro
8	10	Diorite
9	11	Fractured, veined, sheared gabbro and qtz-veined diorite together assay as E110 by FANA at 4 ppb Au.
100	120	

Sample E112 — 16 + 10W/1 + 50N RR Grid
(Ten clasts of gold/one cubic-foot of lodgment till)

Percent	Counts	Rock Types with Descriptions
1	1	Sheared gneissic gabbro, long distance transport
3	4	Diorite with fleshy fledspars
19	23	Gabbro
3	4	Magnetite gabbro
1	1	Aplite

Table 6. (continued)

8	10	Sheared, fractured, silicified diorite, angular. Assays as E112 by FANA at 20 ppb Au.
34	41	Diorite to gabbro
31	38	Silicified diorite, difficult to identify
100	122	

Line 16 West Site, of Railway Grid

Reference is made to the 1 inch to 400 feet general map "Gold Pieces in Lodgment Till", and to the 1 inch to 100 feet map "Gold in Lodgment Till, Line 16W Railway Grid".

The gold train anomaly is defined by till sites E110, E111, E112, and D599 with 44, 4, 10, and 19 pieces of gold respectively per cubic-foot of lodgment till. No effective northern cut-off of the till train has been established, only as less than 1200 feet. This poor cut-off is partly due to a swamp immediately north of site E110, but chiefly due to lack of time, funds and available personnel to carry out additional till sampling.

Silicification of the rock clasts in the till is common in altered diorite and gabbro (see Table 4). There is also some sericite and bleaching alteration and some specular hematite.

The gold train so far established is still open to the north and to the east. Three short drill holes are recommended while the drill rigs are still on the Property, in order to heck out the outcrop where 44 pieces of gold occur in the till and also to test up-former ice flow for a short-distance. These drill holes will not give exhaustive testing, but rather will establish the local stratigraphy and provide preliminary testing.

The counts and nature of the gold in the lodgment till is given in Table 5, and the lithology counts for till sample E110 and E112 are given in Table 6.

There is some increase in gold for the sheared silicified diorite for E112 which assays 20 ppb Au. Diorite with flesh feldspars and diorite-syenite transition are noted in E110 and E112.

DRILL SITE SELECTED

Mile 28 Site of RR Grid

Table 7. Mile 28 Site of RR Grid
Summary of Geo-Indicators for Gold from Lodgment Till Samples

Sample No.	No. V.G. Clasts	Down-Ice Gold Anomaly: No. of gold clasts by predicted source: Pyrite	Local Shear	Qtz. Vein	Local Undetermined	Long Distance	Pathfinders by Associations
E114	5	-	-	-	5	0	High in magnetics. Likely poor sample
D611	15	-	-	-	15	0	Gold is 6 coarse and 9 fine under high power of microscope. Rocks include: quartz vein attached to pink syenite; sericite-quartz schist, porcelanic quartz or feldspar, and bleached alteration.
D704	20	-	-	-	20	0	Gold is 8 coarse and 12 fine under high power of microscope. Quartz-carbonate veins, white quartz veins, brecciated andesite, white micaceous dyke rock. Some bronzite or vermiculite.

Table 7. (continued)

B. Up-Ice Cut-Off

D605	0	0	0	0	0	0	Mixed ablation and lodgment till. May be poor sample.
D707	81	-	-	-	-	0	Gold is 1 coarse and 7 fine but only under high power of microscope. Quartz-limonitic vein, porclanic quartz or feldspar vein.
B.O	2	-	-	-	2	0	

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Table 8. **CERTIFICATE OF MINERALOGY**
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

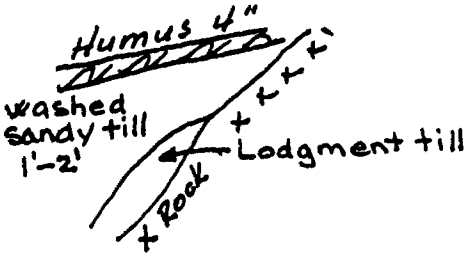
Sample No: E 114 **Size:** One cubic foot **Location:** 8+45W/1+00N RR Grid

---

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Poor	Fair	Good	-

North South



PANNING:

SUPERPANNING:

Physical: High in fine sand. High in heavy minerals. Poor sample ?

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange - Low moderate
Magnetite:	High
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.4x0.3x0.2	Smooth			Local
1	Yellow	0.1x0.1x0.05	Smooth			Local
2	Yellow	.1x0.05x0.05	Smooth			Local x 2
1	Yellow	0.05x0.05x0.05				Local
5						

Mile 28 Site of Railway Grid

Reference is made to the 1 inch to 400 feet general map "Gold Pieces in Lodgment Till" and to the 1 inch to 100 feet biogeochemical map.

The gold train in lodgment till is indicated, but not yet delineated, by till samples D704 with 20 pieces of gold per cubic foot, and E114 with 5 pieces of gold per cubic foot, and E114 with 5 pieces of gold per cubic-foot.

In Table 7, the associated rock types with the gold include quartz veins attached to syenite, a micaceous rock, and quartz carbonate veins in brecciated andesite.

The gold trains were not pursued with close spaced pits at this time because of time, costs and personnel alloted to the till work. Instead the follow-up to establish drill targets was assigned to the biogeochemical crew and further discussion of Mile 28 in the selection of drill targets is referred to the report of S.A. Scott (1985 in preparation).

DRILL SITE SELECTED

Instant Creek Site of Instant Pond Grid

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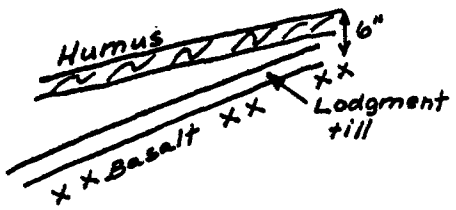
Table 9a. **CERTIFICATE OF MINERALOGY**
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 12 **Size:** One cubic foot **Location:** 3+25W/13+45N IP Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Slight	Yes	Yes	178°

North South



PANNING:

SUPERPANNING:

Physical: Good panning

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	1 purple pyrope
Magnetite:	3 black ilmenites
Hornblende:	1 chrome diopside
Pyroxene:	much white sand
Sulphides:	significance are kimberlite indicators
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.3x0.2x0.2	Not turned		Ball + 2 ends	Located pyrite - indicated source
1	Yellow	0.3x0.2x0.2	Very slightly turned		Ridged	Shear - indicated source local
1	Yellow	0.1x0.05x0.05				Pyrite - indicated source
1	Yellow	0.5x0.05x0.05				Pyrite - indicate source, local
1	Yellow	0.05x0.05x0.05				
1	Yellow	0.05x0.05x0.05			Dumbell	Pyrite - indicated source, local
1	Yellow	0.1x0.05x0.05				
1/8	Yellow	0.05x0.05x0.05				

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May/June 1985

Table 9b. **CERTIFICATE OF MINERALOGY**
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 22 **Size:** One cubic foot **Location:** 0+25E/9+85N IP Grid

---

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Wet	Wet	Yes	161°

North South

0-6" humus and roots
6"-1' brown sandy till, washed
1-1.5' greenish lodgment toll may be slightly washed

PANNING: 60% greasy feeling clay; 30% sand; 10% mud

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and few orange. Moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Low
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.1	Smooth		Triangle	Pyrite-indicated source, local
1	Yellow	0.1x0.1x0.1	Smooth		Triangle	Pyrite-indicated source, local
1	Yellow	0.1x0.1x0.1	Smooth		Ridge	Pyrite-indicated source, local
1		0.1x0.1x0.1				Pyrite-indicated source, local
5		0.1x0.1x0.1	Smooth			
2		0.1x0.1x0.1				
1	Yellow	0.4x0.3x0.05			Leaf	
12						

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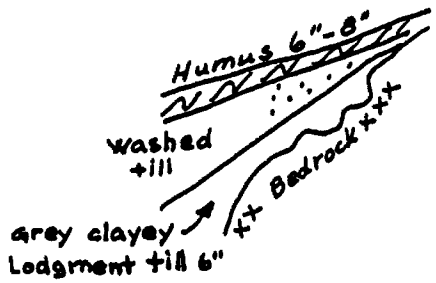
Table 9c. **CERTIFICATE OF MINERALOGY**
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 25 **Size:** One cubic foot **Location:** 3+40E/24+45N IP Grid

---

SITE: North South

Clasts	Fissile	Compact	Casts	Striae
Sub-rounded				
Yes	Yes	Yes	Fair	168°



PANNING: 50% sand, oxidized; 50% angular rock

SUPERPANNING:

Physical: Pans well. All sizes. Low moderate.

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet: Pink and orange - moderate
Magnetite: Moderate
Hornblende: Moderate
Pyroxene: Moderate
Sulphides: Nil
Others:

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.1				Local
1	Yellow	0.1x0.1x0.1				Local
1	Yellow	0.1x0.1x0.1				Local, Pyrite-indicated source
1	Yellow	0.1x0.1x0.1				Local, Pyrite-indicated source
1	Yellow	0.2x0.1x0.1				Wire gold local - quartz indicated source, local

5

Table 10. Instant Creek Site, Lithology Counts

A. Sample E12 — 3 + 25W/13 + 45N IP Grid
(Eight clasts of gold/one cubic-foot volume of till)

Percent	Counts	Rock Types with Descriptions
24.5	41	Basalt, brown-grey, six are magnetic
19	32	Basalt, black green, some are rusty, eleven are magnetic
29	48	Basalt, pale green to buff pink
4	6	*Basalt, sheared, angular
3	5	*Metasediment?, angular, tan-coloured, slightly rusty
0.5	1	*Intrusive dyke, magnetic
0.5	1	*Quartz phenocrysts, orange-brown, fine grained
15.5	2.6	Pyroxene syenite, fine- to medium-grained, two are gneissic
2	4	Granites
2	4	Mafic intrusive, green, epidotized, disseminated pyrite
100	168	

*Assayed together at 2 ppb

Table 10. (continued)

B. Sample E22 — 0 + 25E/9 + 85N IP Grid
(Twelve clasts of gold/ore cubic volume of lodgment till)

Percent	Counts	Rock Types with Descriptions
37	82	Basalt, sixteen are magnetic
17	38	Basalt, feldspar phenocrysts
7	16	Basalt, grey with dark vesicles or zeolites
6	13	*Basalt, eleven as flow breccia and two as red fine grained sediment
4	9	*Basalt, fractured, tabular, angular, fine veinlets, one is magnetic
6	12	Gabbro, three are magnetic, one is with leucoxene
2	4	Diabasic
2	4	Dioritic magnetic
1	3	Pyroxene syenite
15	34	Granite? No quartz. Likely syenite
3	7	Granite, with quartz, feldspar, hornblende
100	222	

* Assayed together gives 2 ppb Au.

C. Sample E25 — 3 + 40E/24 + 45N IP Grid
(Five clasts of gold/one cubic-foot of lodgment till)

Percent	Counts	Rock Types with Descriptions
20	28	Basalt, fine grained, fine magnetic, one is vuggy
6	8	Basalt, fine to medium grained, pink to grey, one is magnetic, fragments are rounded to tabular

Table 10. (continued)

2	3	Diorite
8	11	Diorite, finer-grained
29	42	Trachyte, pink, fine- to medium-grained
29	42	Syenite, pink, medium grained; some are porphyritic
2	3	Angular fractured, tabular. One is metasediment. One is tabular syenite and one is weathered syenite
2	3	Meta-sediment? Medium grained, red-brown, subrounded. Assayed at <1 ppb
2	3	Single mineral Angular quartz or feldspar.
100	143	

Instant Creek Site

Reference is made to the 1 inch to 400 feet general map "Gold Pieces in Lodgment Till" and to the 1 inch to 100 feet biogeochemical map.

The gold dispersion in lodgment till is indicated, but not yet delineated, by the till samples E12 with 8 pieces of gold , E22 with 12 pieces, A110 with 5 pieces, and E25 with 5 pieces. The obtaining of closer spaced sample sites was hindered through flooded-areas.

As given in Table 9a, the gold in till sample E12 is primarily pyrite-indicated source. There is much white quartz sand in the till and there are kimberlite indicators. The associated rock clasts at E12 are chiefly basalt and pyroxene syenite. Some sheared, magnetic, and orange-brown rocks were grouped and they assayed low at 2 ppb.

At till sample site E25, the gold is mixed wire gold, as if from quartz veins, and pyrite-indicated source gold. The associated rock clasts from the same till sample include basalts, syenites and trachytes. A group of altered syenite and altered sediment assayed low at <1 ppb Au.

For more detailed sampling to obtain diamond drill targets see the biogeochemical report of Scott, 1985.

DRILL SITES SELECTED

Stump Pond Site - No. 2 Stripped Area

Table 11. Stump Pond Site, No. 2 Stripped Area.
Summary of Geo-Indicators for Gold from Lodgment Till Samples

Down-Ice Gold Anomaly

Sample No.	No. V.G. Clasts	No. of gold clasts by predicted source: Pyrite	Local Shear	Qtz. Vein	Local Undetermined	Long Distance	Rock Types and Descriptions
C58	12	-	1	1	9	1	Gold is very yellow. No tarnish
C57	10	-	2	1	7	-	
C56	6	2	-	-	4	-	Black seams (carbon, graphite?) in white feldspathic mineral
C60	5	-	-	-	5	-	Iron-stained

Up-Ice Cut-Off

A49	1
A26	2
A68	2

Table 11. (continued)

Western Cut-Off						
C64	2	-	-	-	2	-
C59	1	-	1	-	-	-
A28	4					
Eastern Cut-Off						
E67	2					
E69	1					

STUMP POND SITE

Stripped Area No. 2

Reference is made to general map 1 inch = 400 feet, "Gold Pieces in Basal Lodgment Till" and to detailed map 1 inch = 100 feet, "Gold Pieces in Basal Lodgment Till, Stump Pond Site, stripped area No. 2".

The gold train is given by till samples C56 with 6 pieces, C57 with 10 pieces, C58 with 12 pieces, and C60 with 5 pieces. All, except one piece, are of local origin.

Some of the gold (see Table 2) is ridged as at sites C57 and C58 and indicates shear sources; some of it is wire gold, C57 and C58, indicating quartz vein source, but for most the origin cannot be deciphered. As mentioned above, all are local except for 1 piece in C58 with folded edges indicating more transport.

The association in C56 and C60 of vein quartz and/or albite feldspar with its thin smear of fine black substance is important and suggests a graphite or carbon association significant in gold exploration.

The cut-off of the gold train to the north is clear-cut and is given by sites A49, A26, and A68. The eastern cut-off is not well defined as there are only two samples, E67 and E69. Low wet land has hampered further sampling especially around Junction Pond. The cut-off to the west is fairly good as given by samples C59, and C64. More sampling could be done, and should be done across the now stripped area where lodgment till rests on the stoss side of low roches moutonées.

Because the till sampling and analysis for Stump Pond Site were before 1985, the suites of stones from the till samples although collected and saved have not yet been examined. Some of these suites are stored in the core-shack at Cheminis and now should be studied. It is important to define a structure that is gold-bearing – not an easy job, but any clues from the till stones should be sought for.

From the above data, nine drill holes have been chosen to search and test for the bedrock source of the gold. These are plotted on the detailed till map.

DRILL SITES SELECTED

Line 56E Site of Railway Grid

Table 12. Line 56E Site, RR Grid

Summary of Geo-Indicators for Gold from Lodgment Till Samples

Down-Ice Gold Anomaly

Sample No.	No. V.G. Clasts	No. of gold clasts by predicted source: Pyrite	Local Shear	Qtz. Vein	Local Undetermined	Long Distance	Rock Types and Descriptions
E64	10	4	2	-	4	0	One gold nugget 0.6 x 0.4 x 0.2 mm bent in half. Group of: 7 gabbro with pyroxene phenocrysts, angular;

Table 12. (continued)

	5 sheared brecciated gabbro, 4 veined fractured sandstone, 1 fractured basalt, and 1 quartz pebble which assays as E64 by FANA at 7 ppb Au.
No-Cut-Off	
Up-ice	

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Box 68
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Table 13. **CERTIFICATE OF MINERALOGY**
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 64 **Size:** One cubic foot **Location:** 54+35E/18+50S RR Grid

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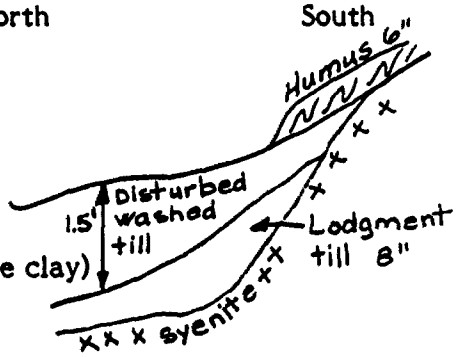
SITE: North South



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Good	Very	Yes Wet	-

PANNING: 50% angular rock; 40% clay; 10% sand; (milky white clay)

SUPERPANNING:

Physical: Grey. Pans well. All sizes. Moderate heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink - Abundant
Magnetite:	Low Moderate
Hornblende:	Few
Pyroxene:	Few
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.6x0.4x0.2			Bent over in half	Nugget
1	Yellow	0.2x0.1x0.1			Cubic, Ridged	Shear-indicated source, local
1	Yellow	0.1x0.1x0.1			Dumbell	Pyrite-indicated source, local
1	Yellow	0.1x0.1x0.1			Dumbell	Pyrite-indicated source, local
1	Yellow	0.1x0.1x0.1			Dumbell	Pyrite-indicated source, local
1	Yellow	0.1x0.1x0.1			Dumbell	Pyrite-indicated source, local
1	Yellow	0.05x0.05x0.05			Dumbell	Shear-indicated source, local
1	Yellow	0.05x0.05x0.05			Ridged	Local
1	Yellow	0.3x0.2x0.1				Local
1	Yellow	0.05x0.05x0.05				Local

TO

Table 14. Lithology Counts from Lodgment Till

A. Sample E64 — 54 + 35E/18 + 50S RR Grid
(Ten clasts of gold/one cubic-foot volume of lodgment till)

Percent	Counts	Rock Types with Descriptions
1	2	Granitic to Metamorphosed, medium to coarse-grained
3	4	Vesicular basalt
4	5	Diorite
14	19	Sandstone, angular pieces, red colour, pyrite, carbonate
1	2	Gneissic gabbro, sheared; Long distance transported
54	75	Sandstone, mostly grey, with pyrite
9	13	Gabbro in rounded pebbles
5	7	Gabbro with pyroxene phenocrysts – angular
9	12	*Gabbro, five of the twelve are sheared, brecciated
100	139	

* Assay of the five sheared, brecciated gabbro pieces along with one fractured basalt, four veined, fractured sandstone, and one quartz-pebble gave 7 ppb Au.

Line 56E Site, Railway Grid

Reference is made to map 1 inch = 400 feet, "Gold Pieces in Basal Lodgment Till".

The gold anomaly is identified only by sample E64 with 10 pieces of gold. Of the 10, four have pyrite indicated source, two have shear indicated source and all are of local derivation. One piece of gold is of nugget size, 0.6 mm x 0.4 x 0.2 mm, which rarely is found in lodgment till.

No close sampling has been done at this site, hence there are no cut-offs nor extensions to the north, west, nor east.

The associated rocks in the till sample include gabbro and pyroxene-phenocryst gabbro rocks; the latter could be dykes and may account for the magnetic anomaly immediately up-ice. The pyrite-bearing sandstone and the vesicular basalt are of potential structure – interest, but do not in themselves alone indicate that they belong to a strong favourable gold structure.

It is evident that closely-spaced till sampling is needed around sample point E64, and it is here recommended that this be done. At the same time it is recommended that the till stones from such sampling be given a hard look at for indications of gold structures. In the meantime, drilling should be delayed until such time as the detailed till sampling is completed and interpreted.

OTHER ANOMOLOUS GOLD LOCALITIES

No Drill Target Sites as Yet Selected

The general map 1" = 400', Gold Pieces in Basal Lodgment till shows an additional 33 sites of anomalous gold in till, 5 pieces of gold or more, for which detailed close-spacing till sampling follow-up has not yet been done (see Table 15).

TABLE 15. OTHER ANOMALOUS GOLD LOCALITIES

A-Series	E-Series	D-Series	C-Series	B-Series
A9 - 8 gold, py	E14 - 8 gold	D597 - 19 gold	C5 - 6 gold	B4 - 7 gold
A10 - 5 gold, py, Qtz.	E33 - 6 gold E49 - 5 gold	D604 - 7 gold	C15 - 7 gold	
A36 - 5 gold	E55 - 5 gold	D610 - 8 gold	C17 - 6 gold	
A51 - 5 gold	E57 - 5 gold	D618 - 17 gold	C65 - 5 gold	
A71 - 8 gold, BBQtz.	E71 - 5 gold E77 - 6 gold	D619 - 8 gold		
A81 - 5 gold	E72 - 6 gold	D623 - 6 gold		
A88 - 5 gold	E94 - 9 gold	D624 - 12 gold		
A92 - 5 gold	E114 - 5 gold	D700 - 7 gold		
A95 - 7 gold				
A96 - 7 gold				
A101 - 6 gold				

As yet there are no cut-off's north, west or east for these gold anomalies. The characteristics of gold for each of these sites is given in the Appendix A those in which lithology counts have been made are in Appendix B.

For some of these sites there are already some structural indications such as pyrite at A9, A10, C50; vein quartz at A10, C50, and A71; and the highly favoured blue-black quartz for gold is at A71.

Clearly more till sampling is necessary with strong emphasis put into identification of rock clasts that may indicate rock structure.

APPENDIX A

CERTIFICATES OF MINERALOGY FOR BASAL LODGMENT TILL SAMPLES E1 TO E114

Sources of Data:

Site data is from R.A. Anderson, field notes 1985

Panning data is from T. Miron, field notes 1985

Superpanning data is from H. Lee, certificates of mineralogy 1985.

With reference to panning:

The percentage abundance for each material are visual estimates only. The term "mud" is loosely used to include a combination of clay, silt, colloidal, and organic. Carbonated means that carbonate has been introduced and now may be partly leached giving a yellow gossan.

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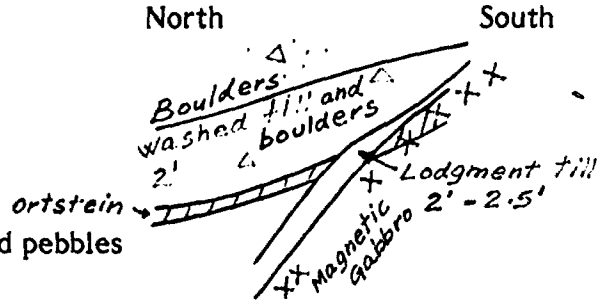
CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 1 **Size:** One cubic foot **Location:** 9+60W/1+00N IP Grid

---

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Yes	Very	Good	160°



PANNING: 50% clay, mud and sand; a few rounded pebbles

SUPERPANNING:

Physical: Good panning. All sizes

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and deep orange, moderate
Magnetite:	High moderate
Hornblende:	Moderate
Pyroxene:	Green pyroxene, moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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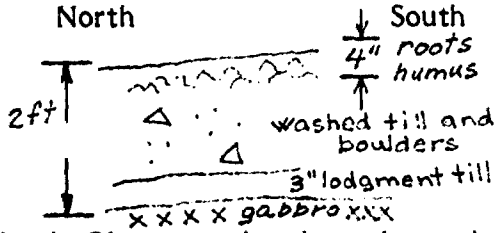
Sample No: E 2 **Size:** One cubic foot **Location:** 21+25W/3+25N IP Grid

---

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Good	Slightly	Good	160°, 133°



PANNING: Approximately 50-50 rocks and gravel. Oxidized. Clay, gravel and angular rocks.

SUPERPANNING:

Physical: Excellent. All sizes.

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet: Pink and some orange, moderate abundance
Magnetite: High moderate
Hornblende: Moderate
Pyroxene: Moderate
Sulphides: 4 fresh pyrite
Others:

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Pink yellow	0.15x0.15x0.1	Smooth hard to pick up like pyrite gold.	⊘	obloid	Local, pyrite indicated source

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Sample No: E 3 **Size:** One cubic foot **Location:** 27+90E/3+20N IP Grid

---

SITE:

North South

1' of humus and boulders
1'-2.5' washed till and loose boulders
2.5'-3.0' grey lodgment till
Bedrock gabbro?

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Most	Yes	Fair	Yes	162

PANNING: 50% coarse rock angular. 50% sand and hard clay

SUPERPANNING:

Physical: Pans well, moderate heavies. All sizes

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange - moderate in equal abundance
Magnetite:	High moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.1x0.1	Smooth		Dumbell	Local, pyrite - indicated source

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Sample No: E 4 **Size:** One cubic foot **Location:** 0+00N/31+80W IP Grid

---

SITE: North South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Good	Very	Good	162°

6" Humus
6"-2' sandy washed till
2'-2.5' lodgment till
2.5' bedrock gabbro

PANNING: 50% mud and clay. 30% granular rock. 10% gravel. 10% sand.

SUPERPANNING:

Physical: Excellent. All sizes

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Moderate pink and some orange
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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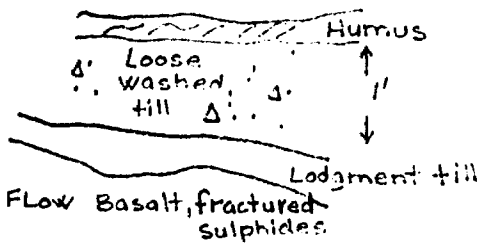
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 5 **Size:** One cubic foot **Location:** 15+75W/25+90N IP Grid

---

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Moderate	Wet	Good	155°



PANNING: Oxidized

SUPERPANNING:

Physical: Pans well. Low in heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Low medium, pink.
Magnetite:	Low medium
Hornblende:	
Pyroxene:	Low medium, olive yellow
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil	NA	NA	NA	NA	NA	

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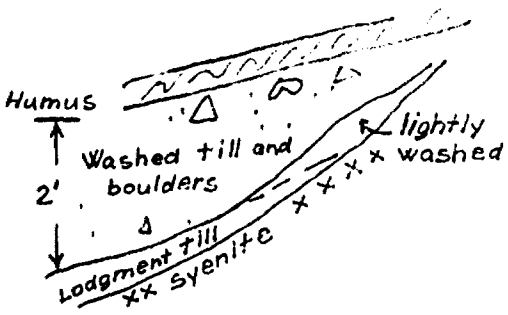
Sample No: E 6 **Size:** One cubic foot **Location:** 16+40E/29+40N IP Grid

SITE:

Clasts	Fissile	Compact	Casts	Striae
Sub-rounded				
Most	Fair	Good, some lightly washed	Good	160°

North South



PANNING: 90% angular rock fragments, 10% clay

SUPERPANNING:

Physical: Moderate Magnetite. All sizes.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink, few orange Metamorphic, epidote terrane
Magnetite:	Moderate
Hornblende:	Abundant hornblende
Pyroxene:	
Sulphides:	
Others:	Epidote green very abundant

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil	NA	NA	NA	NA	NA	

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Sample No: E 7 **Size:** One cubic foot **Location:** 16+20E/32+65N IP Grid

---

SITE: North South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Good	Variable, some humus	Good	160°

PANNING:

SUPERPANNING:

Physical: Poor. Very low in heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and few orange
Magnetite:	Low
Hornblende:	Hornblende moderate
Pyroxene:	Abundant epidote green
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.05x0.05				Local
1	Yellow	0.1x0.1x0.1				Dumbell, from pyrite
2						indicated local source

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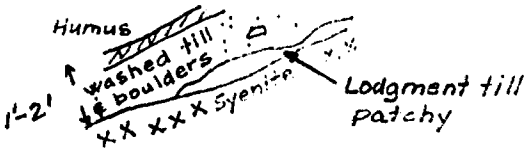
Sample No: E 8 **Size:** One cubic foot **Location:** 28+70W/35+50N IP Grid

---

SITE: North South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Yes	Moderate	Yes	156°



PANNING: 90% clay, mud and grey sand. Low in heavies.

SUPERPANNING:

Physical: Oxidized. Low in heavies. Poor sample.

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet: Pink and few orange - rare
Magnetite:
Hornblende: Moderate
Pyroxene: Pale green pyroxene
Sulphides: Nil
Others:

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.15x0.05	Turned		Sheet	Transported
1	Yellow	0.1x0.1x0.05	Hackly		Dented	Local
1	Yellow	0.1x0.1x0.1			Spherical	Dumbell end, ball. Local from pyrite - indicated source
3						

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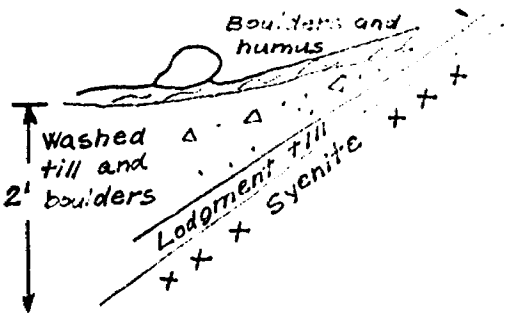
Sample No: E 9 **Size:** One cubic foot **Location:** 29+25W/29+00N IP Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Mostly	Blasted	Loosened by blast	Yes	148°

North South



PANNING:

SUPERPANNING:

Physical: All sizes

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Low moderate pink and orange
Magnetite:	High moderate
Hornblende:	Moderate
Pyroxene:	Few pale green
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.9x0.5x0.2	Turned Rounded		Nugget	Nugget. Long transport?

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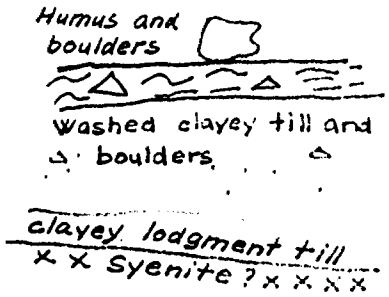
Sample No: E 10 **Size:** One cubic foot **Location:** 28+45W/23+20N IP Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Goos	Some	Yes	Good	163°

North South



PANNING: 80% clay pebbles, and angular rocks. 20% grey sand.

SUPERPANNING:

Physical: Pans well

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and few orange
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Pale green, abundant
Sulphides:	Nil
Others:	Epidote, clear green

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.3x0.2x0.1	Not turned		Ridged	Local, from shear - indicated source

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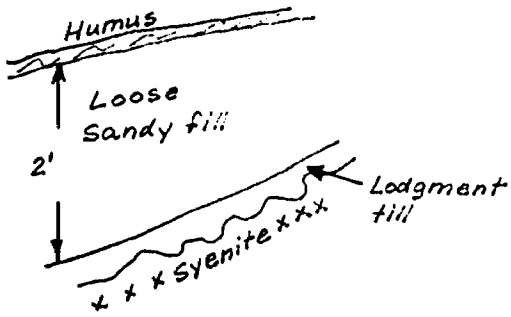
Sample No: E 11 **Size:** One cubic foot **Location:** 24+00W/22+20N IP Grid

---

SITE:

North South



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Blasted	Loosened	Yes	---

PANNING: 80% clay, 20% sand and red syenite

SUPERPANNING:

Physical: Lights have a pinkish cast. Pans well.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink to occ. orange
Magnetite:	Moderate
Hornblende:	Low moderate
Pyroxene:	Moderate green
Sulphides:	Nil
Others:	1 clear green epidote

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.05x0.05x0.02				Local - pyrite or shear indicated source

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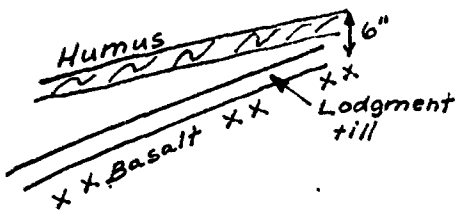
Sample No: E 12 **Size:** One cubic foot **Location:** 3+25W/13+45N IP Grid

SITE:

Clasts	Fissile	Compact	Casts	Striae
Sub-rounded				
Good	Slight	Yes	Yes	178°

North South



PANNING:

SUPERPANNING:

Physical: Good panning

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet: 1 purple pyrope
Magnetite: 3 black ilmenites
Hornblende: 1 chrome diopside
Pyroxene: much white sand
Sulphides: significance are kimberlite indicators
Others:

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.3x0.2x0.2	Not turned		Ball + 2 ends	Located pyrite - indicated source
1	Yellow	0.3x0.2x0.2	Very slightly turned		Ridged	Shear - indicated source local
1	Yellow	0.1x0.05x0.05				Pyrite - indicated source
1	Yellow	0.5x0.05x0.05				Pyrite - indicate source, local
1	Yellow	0.05x0.05x0.05				
1	Yellow	0.05x0.05x0.05			Dumbell	Pyrite - indicated source, local
1	Yellow	0.1x0.05x0.05				
1	Yellow	0.05x0.05x0.05				
8						

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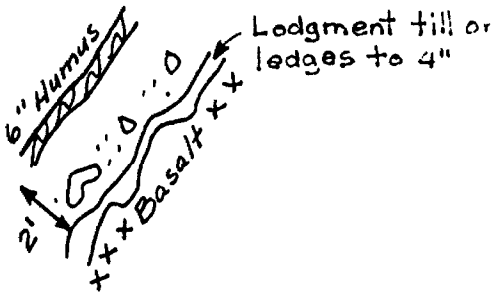
Sample No: E 13 **Size:** One cubic foot **Location:** 8+30W/15+00N IP Grid

SITE: North South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Some, shattered bedrock	----	Yes	Good	----



PANNING:

SUPERPANNING:

Physical: Poor sample. Middle size is missing. Very low in heavies. Very coarse magnetite and hematite

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange and purple
Magnetite:	Low
Hornblende:	Low
Pyroxene:	Moderate
Sulphides:	Nil
Others:	

2 purple pyrope
1 chrome diopside
1 honey-coloured mineral
considerable white sand
significance is for kimberlite

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	1x1x0.002			Flake	

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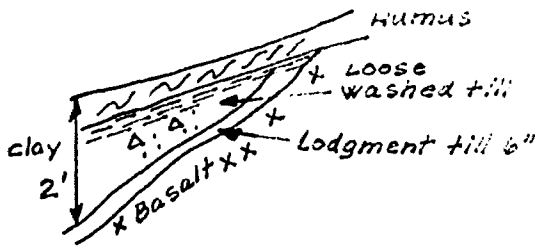
Sample No: E 14 **Size:** One cubic foot **Location:** 20+65W/15+25N IP Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Good	Good	Good	158°

North South



PANNING: 50% mud and silt. 50% angular stones and rocks.

SUPERPANNING:

Physical: Poor sample. Fine sand missing. Much clay. Very few heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange
Magnetite:	Low
Hornblende:	Moderate
Pyroxene:	
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.05x0.05	Not turned		Wire	Local
1	Yellow	0.05x0.05x0.05	Not turned			Local
1	Yellow	0.1x0.05x0.05			Wire	Pyrite - indicated source, local
1	Yellow	0.2x0.1x0.05	Not turned			
1	Yellow	0.1x0.1x0.005	Not turned			Local
1	Yellow	0.05x0.05x0.02	Not turned		Flake	
1	Yellow	0.05x0.05x0.02				
1	Yellow	0.05x0.05x0.02				

8

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 15 **Size:** One cubic foot **Location:** 16+45W/15+85N IP Grid

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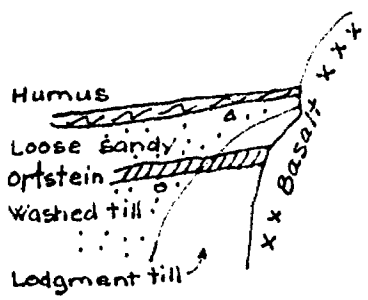
SITE: North South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Good	Very	Good	



PANNING: 75% silt and mud. 25% stones, pebbles, and angular rock.

SUPERPANNING:

Physical: All sizes

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Pale green. High moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.1x0.1		◇		Pyrite - indicated source, local
1	Yellow	0.2x0.1x0.1		∞	Dumbell	Pyrite - indicated source, local
1	Yellow	0.1x0.05x0.05		⬭	Wire	Pyrite - indicated source or qtz. vein, local
1/4	Yellow	0.3x0.2x0.1		🤚		Local

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May/June 1985

CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 16 **Size:** One cubic foot **Location:** 15+10W/21+50N IP Grid

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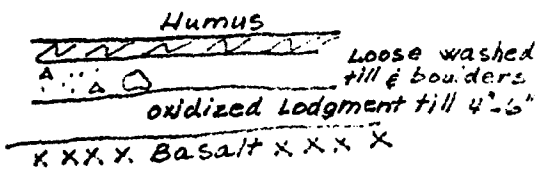
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Good	Very	Good	158°

North South



PANNING: 50% mud and clay, gosson stained, gravel and silt

SUPERPANNING:

Physical: Some ortstein. Low in heavies. Poor sample.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Few pink and orange
Magnetite:	Moderate
Hornblende:	Low
Pyroxene:	Low
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow					Wrapped around grain of carbonate?

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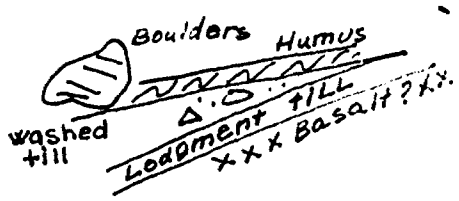
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 17 **Size:** One cubic foot **Location:** 32+15W/15+00N IP Grid

SITE: North South

Clasts	Fissile	Compact	Casts	Striae
Sub-rounded				
Good	Good	Very	Good	-



PANNING: 85% clay, pyrite, gold, minor syenite

SUPERPANNING:

Physical: Pans well. All sizes. Abundant silvery pyrite. After 9hrs conc. H_2SO_4 attack, some yellow, much strong acid remains as if reaotion is complete. Abundant vfg silvery mineral - Arsenopyrite? Pyrite? X-ray is Pyrite

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange
Magnetite:	Low Moderate
Hornblende:	Moderate
Pyroxene:	Pyroxene Moderate
Sulphides:	Abundant silvery "pyrite"
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance

Nil gold FIRST AND SECOND RUNS
Crushed pyrite and only shell inside has turned black. Likely pyrite.
Reactify and leave again 24 hrs. Silvery mineral remains. Try powder x-ray. X-ray gives pyrite.

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McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 18 **Size:** One cubic foot **Location:** 31+40W/8+25N IP Grid

---

SITE: North South

ALL Loose cover over Lodgment till

Clasts	Fissile	Compact	Casts	Striae
Sub-rounded				
Good	Very	Good	Good	162°

PANNING: 50% mud; 50% angular rocks and sand.
Sand is red syenite colour.

SUPERPANNING:

Physical: Pans well. Moderate heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange, Moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Pink Yellow	0.2x0.2x0.2	Smooth			Shear-indicated source, local

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McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 19 **Size:** One cubic foot **Location:** 39+70W/6+40N IP Grid

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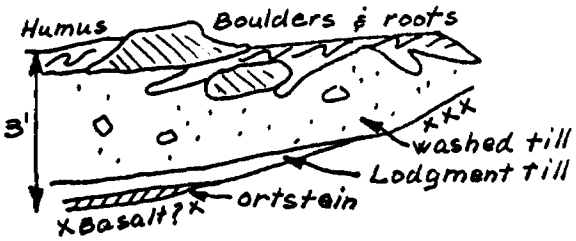
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Yes	Good	Good	158°

North South



PANNING: 50% angular rocks; 10% sand; 40% mud

SUPERPANNING:

Physical: Pans well. All sizes.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange - Moderate
Magnetite:	Low Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 20 **Size:** One cubic foot **Location:** 40+60W/0+55S IP Grid

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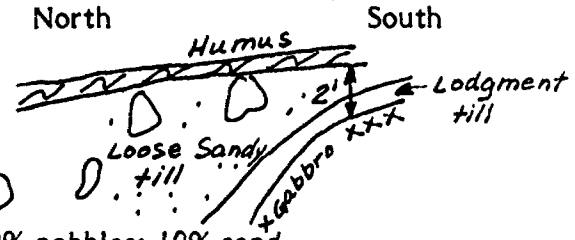
SITE:



Clasts	Fissile	Compact	Casts	Striae
Sub-rounded				
Good	Too wet	Good	Good	158°

PANNING: 50% coarse angular rocks; 30 mud and clay; 10% pebbles; 10% sand

SUPERPANNING:

Physical: Pans well.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and occ. orange. Moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Abundant
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Off yellow	0.3x0.2x0.05	not turned			local

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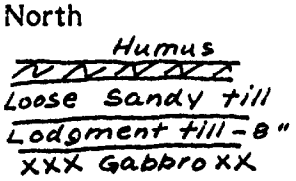
CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 21 **Size:** One cubic foot **Location:** 44+20W/0+40S IP Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Good	Very	Good	163°

North South



PANNING: 50% angular rocks; 15% sand; 25% rounded pebbles; 10% mud.

SUPERPANNING:

Physical: Pans well. Low to moderate in heavies.

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet: Low, pink and few orange
Magnetite: Low Moderate
Hornblende: Moderate
Pyroxene: Abundant, pale green
Sulphides: Nil
Others:

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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CERTIFICATE OF MINERALOGY
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Sample No: E 22 **Size:** One cubic foot **Location:** 0+25E/9+85N IP Grid

---

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Wet	Wet	Yes	161°

North South

0-6" humus and roots
6"-1' brown sandy till, washed
1-1.5' greenish lodgment toll may be slightly washed

PANNING: 60% greasy feeling clay; 30% sand; 10% mud

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and few orange. Moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Low
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.1	Smooth		Triangle	Pyrite-indicated source, local
1	Yellow	0.1x0.1x0.1	Smooth		Triangle	Pyrite-indicated source, local
1	Yellow	0.1x0.1x0.1	Smooth		Ridge	Pyrite-indicated source, local
1		0.1x0.1x0.1				Pyrite-indicated source, local
5		0.1x0.1x0.1	Smooth			
2		0.1x0.1x0.1				
1	Yellow	0.4x0.3x0.05			Leaf	
12						

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Sample No: E 23 **Size:** One cubic foot **Location:** 9+70N/4+30E IP Grid

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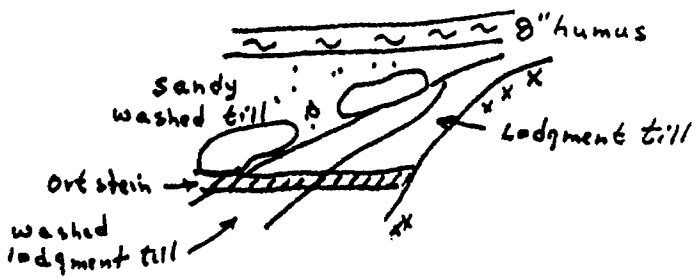
SITE:

Clasts	Fissile	Compact	Casts	Striae
Sub-rounded				
Good	-	Very	Good	-

North South



PANNING:

SUPERPANNING:

Physical: Greyer Sample than usualFine sand and granules. Size missing. Low to moderate heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Mostly pink, occasional orange - Moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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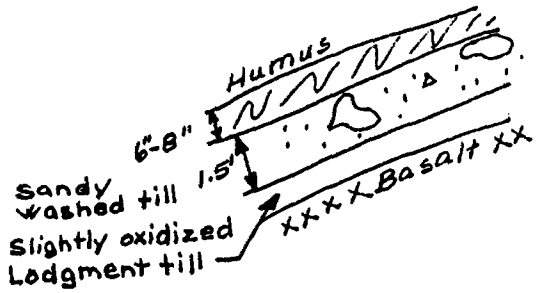
Sample No: E 24 **Size:** One cubic foot **Location:** 16+90N/4+00E IP Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Yes	Yes	Fair	160°

North South



PANNING:

SUPERPANNING:

Physical: Pans well. Oxidized some Fe ortstein. Low in heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange - Low moderate
Magnetite:	Moderate
Hornblende:	Low moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	1 piece of white, possibly solder or telluride

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.1		O		

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McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 25 **Size:** One cubic foot **Location:** 3+40E/24+45N IP Grid

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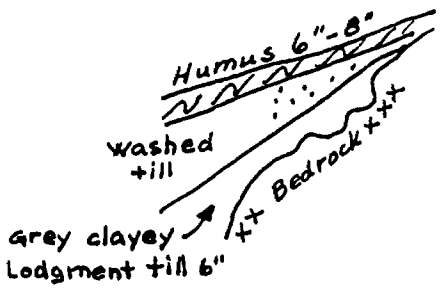
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Yes	Yes	Fair	168°

North South



PANNING: 50% sand, oxidized; 50% angular rock

SUPERPANNING:

Physical: Pans well. All sizes. Low moderate.

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet: Pink and orange - moderate
Magnetite: Moderate
Hornblende: Moderate
Pyroxene: Moderate
Sulphides: Nil
Others:

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.1				Local
1	Yellow	0.1x0.1x0.1				Local
1	Yellow	0.1x0.1x0.1				Local, Pyrite-indicated source
1	Yellow	0.1x0.1x0.1				Local, Pyrite-indicated source
1	Yellow	0.2x0.1x0.1				Wire gold local - quartz indicated source, local

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McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 26 **Size:** One cubic foot **Location:** 7+80E/21+30N IP Grid

SITE: North South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae	
					0-6" humus and roots
	Good	Good	Good	165°	6"-1.5' brown-grey lodgment till

PANNING:

SUPERPANNING:

Physical: All sizes. High moderate heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange, moderate
Magnetite:	High moderate
Hornblende:	Moderate
Pyroxene:	Low
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Reddish Yellow	0.2x0.2x0.1	Slight curl		Flake	Transported

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CERTIFICATE OF MINERALOGY
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Sample No: E 27 **Size:** One cubic foot **Location:** 11+85E/19+90N IP Grid

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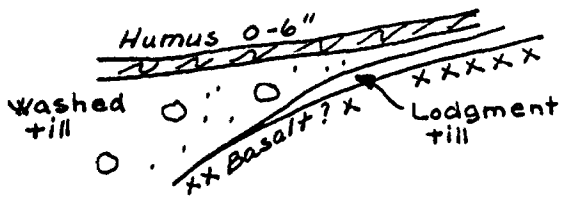
SITE:

Clasts	Fissile	Compact	Casts	Striae
Sub-rounded				
Yes	Variable	Variable	Some	180°

North South



PANNING: 50% clay and gravel; 50% rock fragments

SUPERPANNING:

Physical: Pans well. All sizes. Oxidized. Brown with white specks. Low moderate heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink. Moderate Low
Magnetite:	Moderate Low
Hornblende:	Moderate
Pyroxene:	Low
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow slight coating	0.2x0.2x0.1	Smooth	⬭		Probably from pyrite, local

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 28 **Size:** One cubic foot **Location:** 11+00E/12+80N IP Grid

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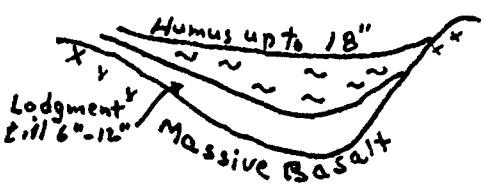
SITE:

North South



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Good	Good	Yes	Good

PANNING:

SUPERPANNING:

Physical: Pans poorly. Sparse in heavies. Abundant "rill-wash" granules. Size missing. POOR SAMPLE.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange - Moderate
Magnetite:	Low
Hornblende:	Moderate
Pyroxene:	Low
Sulphides:	2 oxidized pyrite and 2 fresher pyrite
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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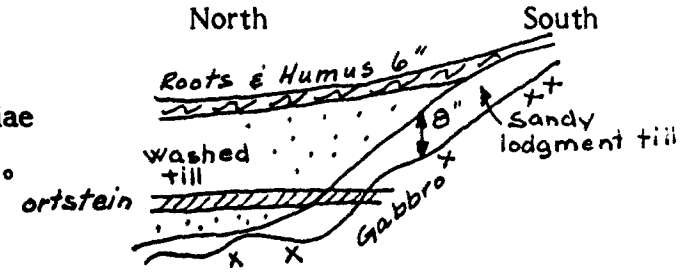
Sample No: E 29 **Size:** One cubic foot **Location:** 1+70E/1+60N IP Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Poor	Variable	Good	163°



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. Moderate to high moderate in heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange and some pink - Moderate
Magnetite:	High Moderate
Hornblende:	Moderate
Pyroxene:	Low
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.15x0.1	Smooth	⬭		Local
1	Yellow	0.1x0.1x0.05		○		Local

2

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 30 **Size:** One cubic foot **Location:** 12+00E/5+55N IP Grid

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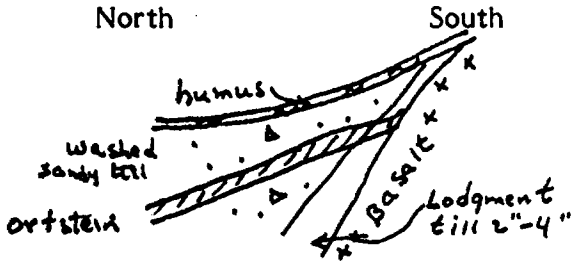
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Most	-	Yes	Good	162°



PANNING:

SUPERPANNING:

Physical: Limonite ortstein; very low in heavies, sizes missing, poor sample

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink + Orange + Purple - moderate
Magnetite:	Low
Hornblende:	Low
Pyroxene:	Low
Sulphides:	Nil
Others:	

4 grains of pyrope garnet

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 31 **Size:** One cubic foot **Location:** 20+25E/0+50N IP Grid

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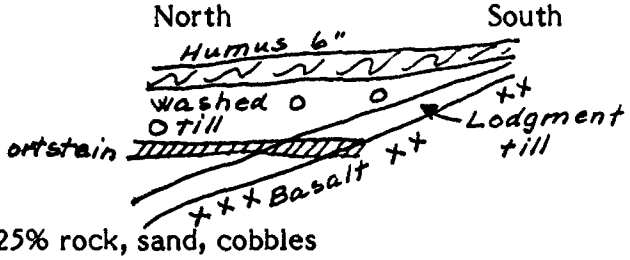
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Blasted	Blasted	Good	180°



PANNING: 60% clay and mud; 15% coarse sand; 25% rock, sand, cobbles

SUPERPANNING:

Physical: Pans well. All sizes present, high moderate heavies

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink + Orange + rare purple - moderate - pyrope garnet in kimberlite
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Low
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.3x0.2x0.15	smooth		Arrowhead	Pyrite - indicated source, local
$\frac{1}{2}$	Yellow	0.05x0.05x0.05				

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 32 **Size:** One cubic foot **Location:** 19+60E/8+00N IP Grid

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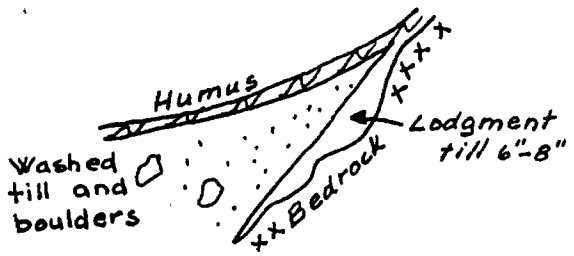
SITE:

North South



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Very	Moderate	Blast	Yes	-

PANNING: 75% mud; 10% sand; 15% angular rocks

SUPERPANNING:

Physical:

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink + few orange + 8 purple pyrope, Angular piece of quartz 2"
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	High some may be chrome dropside
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.1	Smooth hard to pick-up		one end of a dumbell	pynte indicated source, local

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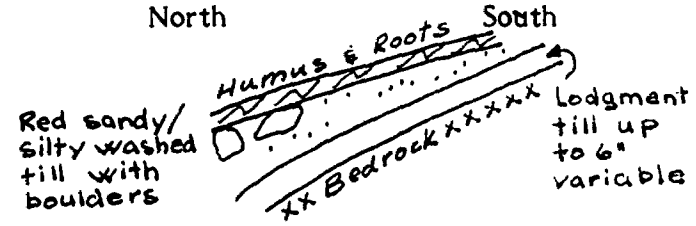
CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 33 **Size:** One cubic foot **Location:** 23+70E/1+00S IP Grid

---

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Blasted	Blasted	Usually	160°?



PANNING: 10% coarse angular rock; 15% gravel and sand; 75% clay and mud

SUPERPANNING:

Physical: Pans well. Good mix of sizes. Moderate heavies

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink + Orange - Moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.3x0.2x0.2	Smooth		dumbell	Pyrite indicated source, local
1	Yellow	0.2x0.1x0.1	Smooth		half	pyrite indicated source, local
1	Yellow	0.1x0.1x0.1				Pyrite indicated source, local
1	Yellow	0.2x0.2x0.2				Local
1	Yellow	0.05x0.05x0.05				Local
1	Yellow	0.05x0.05x0.05				Local
6						

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

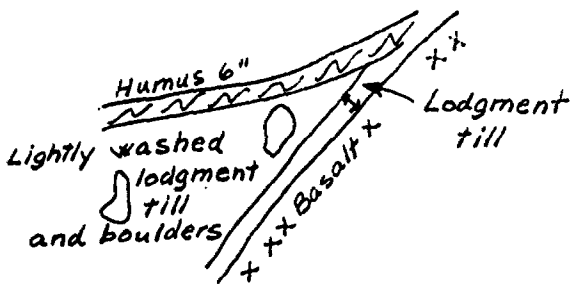
Sample No: E 34 **Size:** One cubic foot **Location:** 28+40E/0+75N IP Grid

---

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Mostly	Fair	Very	Good	161°

North South



PANNING: 15% rock; 10% gravel; 15% sand; 60% clay

SUPERPANNING:

Physical: Pans well. Low moderate in heavy minerals

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink + orange, moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	Epidote

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 35 **Size:** One cubic foot **Location:** 28+40E/5+50N

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Most	Good	Very	Yes	172°

North South

0-6" humus
6"-1.5' clayey or sandy washed till with boulders
1.5'-1.75' clayey lodgment till with some angular chips

PANNING: 40% clay and mud; 20% sand; 20% fine sand and pebbles; 20% coarse angular rocks

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavies. Moderate black flaky mineral

Common Minerals	Est. Abundance, Alteration, Association, Significance	
Garnet:	Pink + orange + purple red of pyrope	
Magnetite:	Moderate also coarse magnetite	Black flaky mineral is coarse
Hornblende:	Moderate	magnetite. Pyrope is present
Pyroxene:	Moderate	
Sulphides:	Nil	
Others:		

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.4x0.4x0.2	Slight curl			sediments or shear - indicated source, local

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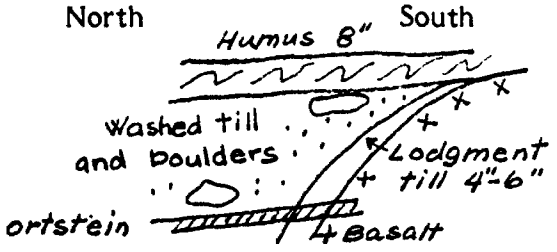
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 36 **Size:** One cubic foot **Location:** 16+00E/13+45N

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	In Places	Variable	Moderate	161°

North South



PANNING: 40% top soil and mud; 10% pebble and fine sand; 50% angular rocks

SUPERPANNING:

Physical: Pans well. All sizes are present.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange + pink moderate
Magnetite:	Moderate
Hornblende:	Low Moderate
Pyroxene:	Low Moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow slight tarnish	0.2x0.2x0.1				Local
1	Yellow	0.3X0.2x0.1				Local
1	Yellow	0.2x0.2x0.2				Local
3						

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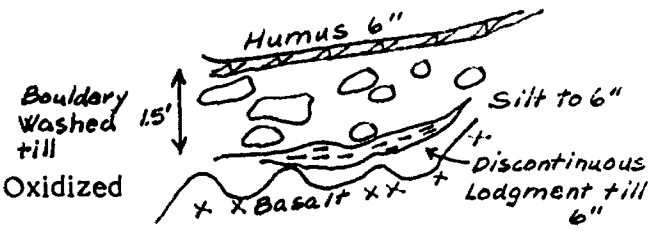
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 37 **Size:** One cubic foot **Location:** 34+35//8+80N IP Grid

---

SITE: North South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Good	Very	Good	168°



PANNING: 30% mud; 20% sand; 50% angular rocks; Oxidized

SUPERPANNING:

Physical: Pans well. All sizes. Low moderate in heavies

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink + orange - moderate
Magnetite:	Low Moderate
Hornblende:	Moderate
Pyroxene:	Low Moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 38 **Size:** One cubic foot **Location:** 39+85E/6+00N IP Grid

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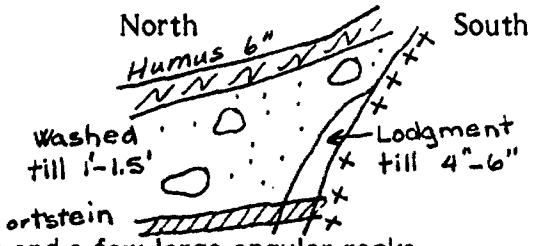
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Good	Very	Yes	165°



PANNING: 60% greasy clay; 10% sand; 30% pebbles and a few large angular rocks

SUPERPANNING:

Physical: Good panning. All sizes

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange + pink abundant
Magnetite:	abundant
Hornblende:	moderate
Pyroxene:	moderate
Sulphides:	Nil
Others:	Occ red jasper

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow slightly pink	0.2x0.2x0.2	Smooth		Ridged	Local, either pyrite or shear - indicated source probably pyrite
1/2	Yellow	0.2x0.2x0.05	hackly		Delicate	Local, vein - indicated source

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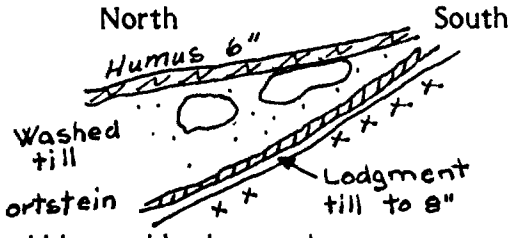
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 39 **Size:** One cubic foot **Location:** 39+85E/0+70S IP Grid

---

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Good	Good	Good	165°



PANNING: 60% Greasy looking mud; 15% sand; 25% pebbles and broken rock

SUPERPANNING:

Physical: Moderately low in heavies, granules with fines, possible reworking of lodgment till

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange + lesser pink - moderate
Magnetite:	Low
Hornblende:	Low moderate
Pyroxene:	Low moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

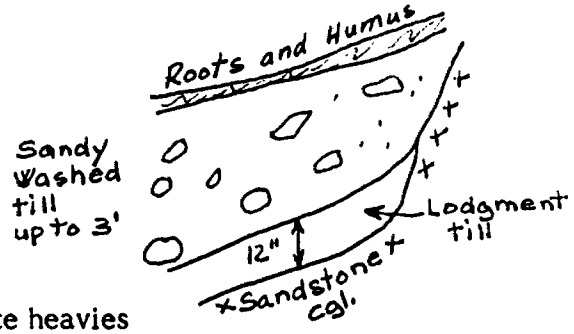
Sample No: E 40 **Size:** One cubic foot **Location:** 98+45E/7+60S RR Grid

---

SITE: North South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Very	Very	Yes	-

PANNING:



SUPERPANNING:

Physical: Pans Well. All sizes present. High moderate heavies

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet: Pink + orange abundant
Magnetite: Abundant
Hornblende: Moderate
Pyroxene: Abundant, also some epidote
Sulphides: 2 cubes of oxidized, when crushed releases no gold
Others:

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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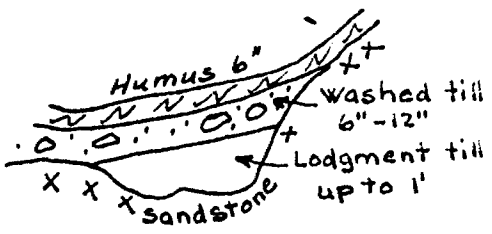
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 41 **Size:** One cubic foot **Location:** 89+75E/5+10S RR Grid

---

SITE: North South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Variable	Moderate	Yes	Yes	-



PANNING: 50% mud and top soil; 10% sand; 40% broken rock

SUPERPANNING:

Physical: Pans well. All sizes. Slight pinkish cast. Moderately high in heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink + Orange - Moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Low
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil	2 runs					

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McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 42 **Size:** One cubic foot **Location:** 94+10E/7+40S RR Grid

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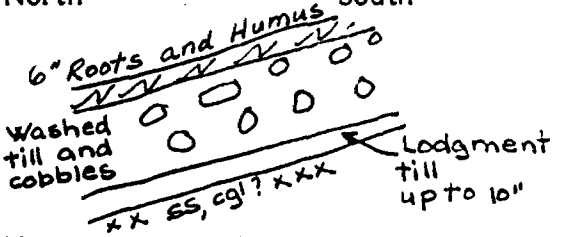
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Disturbed by blast	Disturbed by blast	Yes	163°

North South



PANNING: Oxidized, 35% angular rock; 35% coarse gravel; 30% sand and pebbles
Note: Few small pieces of oxidized quartz

SUPERPANNING:

Physical: Pans well. All sizes. High moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink + orange. Abundant Moderate
Magnetite:	Abundant Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil	Gold					

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Sample No: E 43 **Size:** One cubic foot **Location:** 86+00E/5+50S RR Grid

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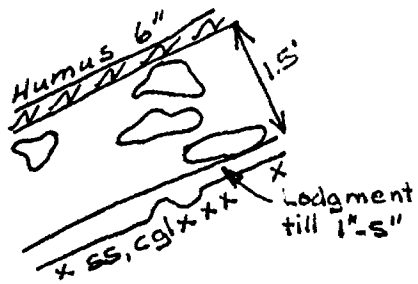
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Yes	Variable	Good	-

North South



PANNING: 60% angular rock; 20% sand; 20% mud; pure white quarts fragments; Qtz veinlets in larger rocks

SUPERPANNING:

Physical: Pans well. Low moderate in fine sand. Low moderate in heavy minerals

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet: Pink to orange, moderate
Magnetite: Low moderate
Hornblende: Low moderate
Pyroxene: High moderate
Sulphides: Nil
Others:

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.4X0.3x0.1	smooth			Fracture-indicated gold, local
1	Yellow	0.05x0.05x0.05	smooth			Local
1	Yellow	0.05x0.05x0.05	smooth			Local
3						

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 44 **Size:** One cubic foot **Location:** 77+92E/3+25S RR Grid

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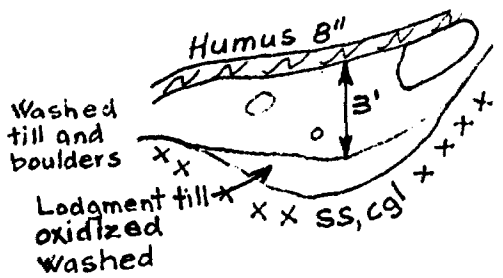
SITE:

Clasts	Fissile	Compact	Casts	Striae
Sub-rounded				
Good	Variable	Slightly	Good	161°

North South



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. Both pinkish and greenish cast. Moderate heavies.

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet: Pink and orange - Low moderate
Magnetite: Moderate
Hornblende: Moderate
Pyroxene: Low
Sulphides: Nil
Others: -

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow some stain	0.3x0.2x0.1	Smooth	○		Local

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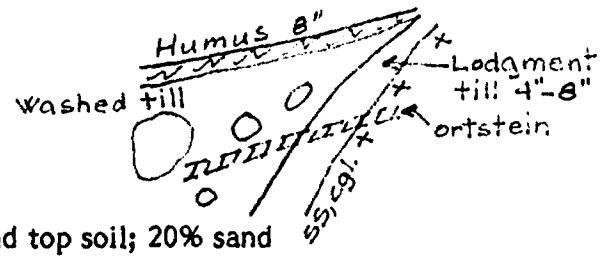
Sample No: E 45 **Size:** One cubic foot **Location:** 77+92E/3+25S RR Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Most	Good in places	Good in places	Good	-

North South



PANNING: 30% broken angular rock; 50% muddy clay and top soil; 20% sand

SUPERPANNING:

Physical: Pans well. All sizes. Low moderate in heavies. Some ortstein.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Deep translucent red garnets and pink
Magnetite:	Low moderate 1 pyrope
Hornblende:	Low moderate
Pyroxene:	few
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.3x0.2x0.2	Smooth		Dumbell	pyrite-indicated source, local

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McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 46 **Size:** One cubic foot **Location:** 74+65E/3+00S RR Grid

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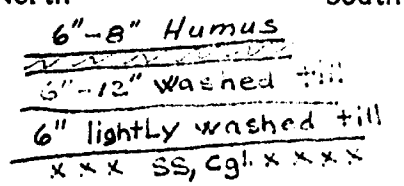
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Moderate	Wet	Good	-

North South



PANNING: 30% broken angular rock; 20% sand some very coarse; 30% clay and mud; 20% pebbles

SUPERPANNING:

Physical: All sizes. Low moderate heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	orange abundant and pink
Magnetite:	Low moderate
Hornblende:	Moderate
Pyroxene:	Low
Sulphides:	1 Pyrite
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance

Nil gold

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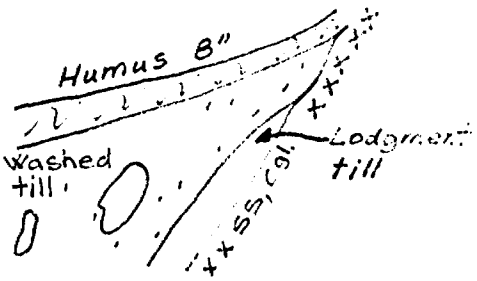
Sample No: E 47 **Size:** One cubic foot **Location:** 62+60E/3+80S RR Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Wet	Wet	-	160°

North South



PANNING: 60% angular rocks; 30% mud and clay; 10% sand

SUPERPANNING:

Physical: Pans well. All sizes. Moderage to high heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange abundant
Magnetite:	Magnetite abundant
Hornblende:	Moderate
Pyroxene:	Abundant
Sulphides:	18 pieces of pyrite, fresh looking
Others:	3 pieces of copper wire, some crystals of double terminated quartz

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.2	Smooth	⊂⊃	End of Dumbell	pyrite-indicated source, local

H_2S04 Acid leach to remove pyrite - 8 hrs. not dissolved, 24 hours not dissolved,
Most pyrite does not carry gold
Nil gold

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McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 48 **Size:** One cubic foot **Location:** 56+90E/3+80S RR Grid

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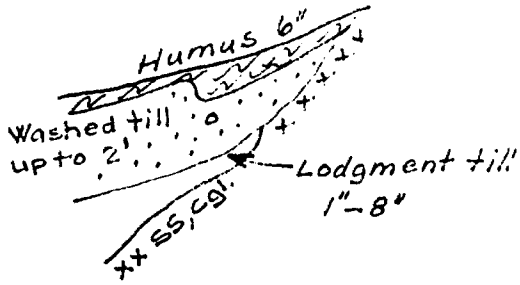
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Fair	Variable	Yes	170°

North South



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange, moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil gold						

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 49 **Size:** One cubic foot **Location:** 54+30E/1+00S RR Grid

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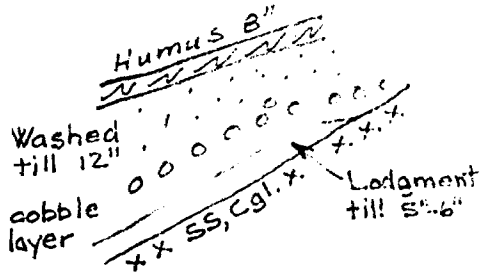
SITE: North South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Most	Very	Extremely	Good	180°



PANNING: Oxidized; 15% angular rock; 75% pebbles; 10% sand

SUPERPANNING:

Physical: Pans well. All sizes. Abundant heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	pink and orange - abundant
Magnetite:	abundant
Hornblende:	moderate
Pyroxene:	abundant
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.4x0.2x0.2	Smooth	8	Dumbell	pyrite-indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth	∂		pyrite-indicated source, local
1	Yellow	0.1x0.05x0.05		0		Local

3

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May/June 1985

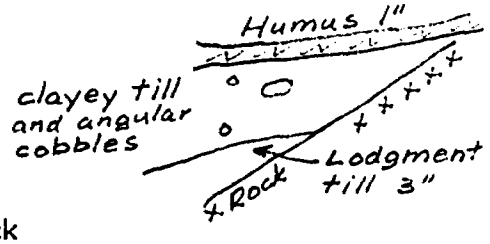
CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 50 **Size:** One cubic foot **Location:** 53+70E/6+60N RR Grid

SITE:

Clasts	Fissile	Compact	Casts	Striae
Sub-rounded				
Good	Wet, blasted	Wet, blasted	Yes	165°

North South



PANNING: 70% pebbly sand; 20% sand; 10% angular rock

SUPERPANNING:

Physical: Pans well. All sizes. High moderate heavies. Very low exotic limonite

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet:

Magnetite:

Hornblende:

Pyroxene:

Sulphides:

Others:

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.4x0.1x0.1				Shear indicated source
1	Yellow	0.4x0.2x0.1	Smooth			Shear indicated source

2

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 51 **Size:** One cubic foot **Location:** 60+13E/2+55N RR Grid

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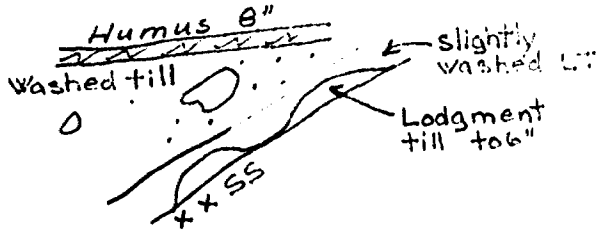
SITE:

North South



Clasts	Fissile	Compact	Casts	Striae
Sub-rounded Good	Variable Wet	Variable	Good	183°

PANNING: 10% angular rock; 60% mud; 30% sand

SUPERPANNING:

Physical: Superpans well. All sizes. Moderate heavy minerals.

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet: pink and orange - moderate
Magnetite: moderate
Hornblende: moderate
Pyroxene: moderate
Sulphides: nil
Others:

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.3x0.2x0.1	Smooth			local
1	Yellow	0.3x0.2x0.1	SMooth		Dumbell	pyrite-indicated source, local

2

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 52 **Size:** One cubic foot **Location:** 67+70E/3+10N RR Grid

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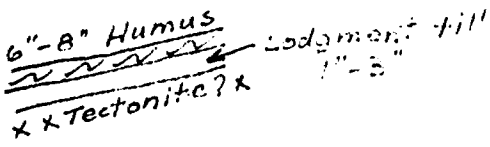
SITE: North South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Good	Good	Good	-



PANNING: 30% angular rock; 60% soft mud and silt; 10% sand

SUPERPANNING:

Physical: High in fine sand. High in heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange, High Moderate
Magnetite:	High Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.3x0.1x0.2			Dumbell	Pyrite-indicated source, local

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 53 **Size:** One cubic foot **Location:** 75+00E/2+50N RR Grid

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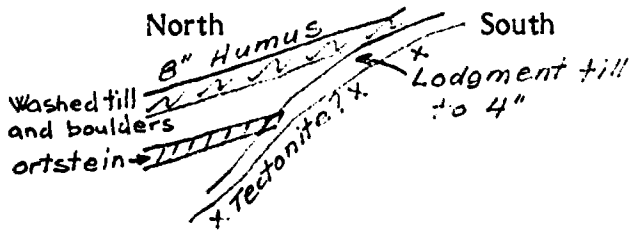
SITE:



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Blast	Blast	Good	178°

PANNING: 40% angular rock and pebbles; 10% sand; 40% light topsoil; 10% mud

SUPERPANNING:

Physical: Pans well. All sizes. High moderate in magnetics

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange - Low moderate
Magnetite:	High Moderate
Hornblende:	High Moderate
Pyroxene:	Low Moderate
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.05x0.05	Smooth		Bean	Local

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 54 **Size:** One cubic foot **Location:** 82+00E/1+20N RR Grid

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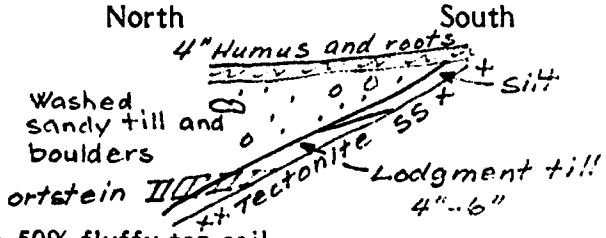
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Fair	Blast	Fair	161°



PANNING: 40% angular rocks; 10% sand (carbonate); 50% fluffy top soil

SUPERPANNING:

Physical: Low in sand. Very high in exotic limonite. Low in heavies. Poor sample. Dark chocolate colour.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange. Moderate. Fresh
Magnetite:	Low Moderate
Hornblende:	Low Moderate
Pyroxene:	High Moderate
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

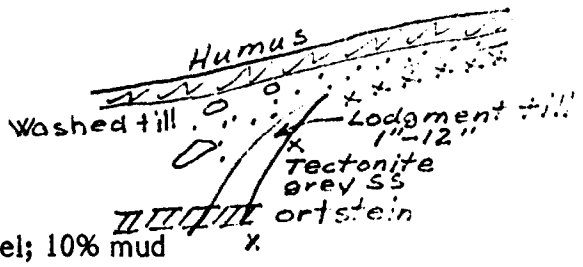
Sample No: E 55 **Size:** One cubic foot **Location:** 89+40E/2+00N RR Grid

---

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Fair	Fair	Good but-sandy	

North South



PANNING: 30% angular rock; 60% sand and fine gravel; 10% mud

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange - Moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	Epidote Moderate

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.05x0.05	rough			quartz-indicated gold, local
1	Yellow	0.05x0.05x0.05	smooth			pyrite-indicated gold, local
1	Yellow	0.2x0.1x0.1	rough			pyrite-indicated gold, local
1	Yellow	0.05x0.05x0.05	smooth		Dumbell	pyrite-indicated gold, local
1	Yellow	0.1x0.05x0.05				

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 56 **Size:** One cubic foot **Location:** 98+00E/0+70N RR Grid

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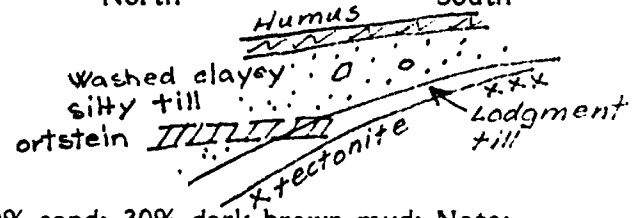
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Most	Good	Very	Yes	163°

North South



PANNING: 50% coarser gravel and angular rock; 20% sand; 30% dark brown mud; Note: Some fine garnet.

SUPERPANNING:

Physical: Pans well. Moderately low in sand. Low in heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange - Moderate
Magnetite:	Low
Hornblende:	Low
Pyroxene:	Low
Sulphides:	Nil
Others:	Epidote

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.05x0.05x0.05				pyrite-indicated gold, local
1	Yellow	0.05x0.05x0.05				pyrite-indicated gold, local

2

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 57 **Size:** One cubic foot **Location:** 93+80E/16+20S RR Grid

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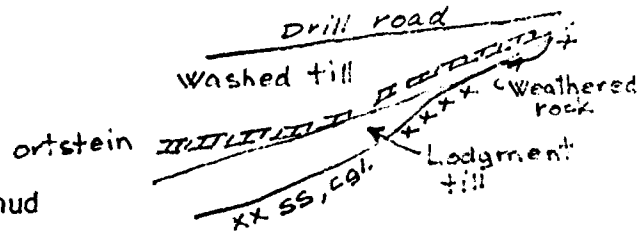
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Wet	Wet	Good	-

North South



PANNING: 40% coarse angular rock; 40% sand; 10% mud

SUPERPANNING:

Physical: Pans well. All sizes. Moderately high in heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange and pink - Abundant Moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Low
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.3x0.2x0.2			Dumbell	pyrite-indicated gold, local
1	Yellow	0.2x0.2x0.2				local
1	Yellow	0.1x0.1x0.1				local
1	Yellow	0.1x0.1x0.05				local
1	Yellow	0.4x0.3x0.3				local

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 58 **Size:** One cubic foot **Location:** 85+95E/17+65S RR Grid

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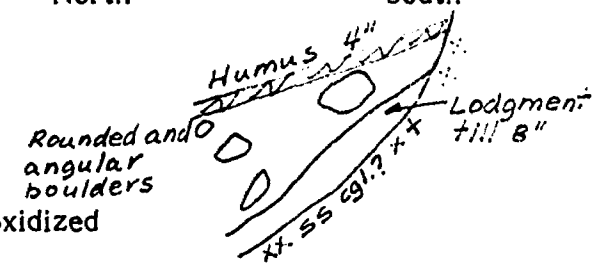
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Fair	Fair	Good	-

North South



PANNING: 40% angular rock; 40% gravel; 20% sand; unoxidized

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavy minerals. Much organic coloured water.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange - Moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	Hematite, Epidote

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.05x0.05x0.05				local
1	Yellow	0.3x0.2x0.2			Ridged	shear indicated gold, local
1	Yellow	0.2x0.1x0.1			Ridged	shear indicated source, local

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 59 **Size:** One cubic foot **Location:** 77+90E/17+55S RR Grid

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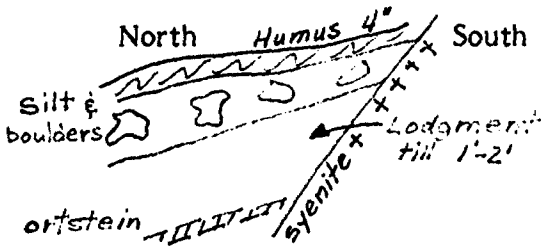
SITE:



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Good	Tight	Good	173°

PANNING: 15% angular rocks; 15% sand; 10% pebbly gravel; 60% muddy clay

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavy minerals.

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet:

Magnetite:

Hornblende:

Pyroxene:

Sulphides:

Others:

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.05x0.05		o		pyrite-indicated gold, local
1	Yellow	0.2x0.2x0.1		◇		local
1	Yellow	0.2x0.2x0.1		◻	leaf	local

3

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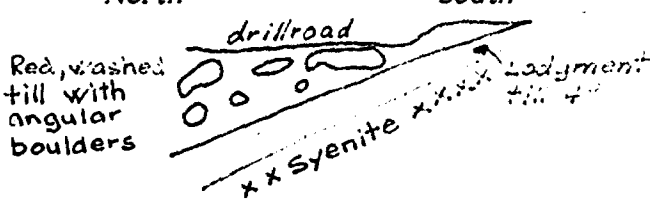
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 60 **Size:** One cubic foot **Location:** 72+20E/15+90S

SITE:

Sub-rounded Clasts **Fissile** **Compact** **Casts** **Striae**



PANNING: 15% angular rock; 10% sand and gravel; 75% sticky mud

SUPERPANNING:

Physical: Pans well. All sizes. High moderate in heavy minerals.

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet: Pink and orange - Moderate
Magnetite: Moderate
Hornblende: Moderate
Pyroxene: Low Moderate
Sulphides: Nil
Others: Large clear zircons moderate high, epidote

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.1x0.05	Smooth			pyrite-indicated source, local
1	Yellow	0.4x0.4x0.3	Smooth			local

2

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 61 **Size:** One cubic foot **Location:** 68+00E/16+45S RR Grid

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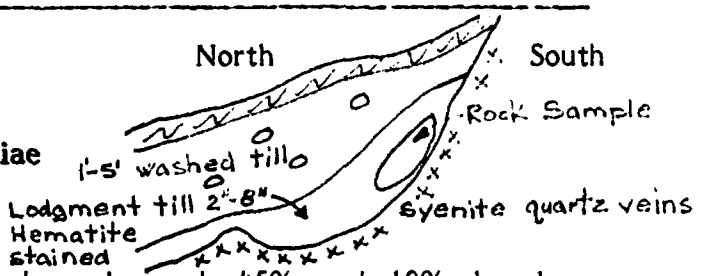
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good			Good	



PANNING: Carbonated; 45% coarse gravel and angular rock; 45% sand; 10% clay; large pieces of quartz.

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange - Moderate
Magnetite:	Low moderate
Hornblende:	Low
Pyroxene:	Low
Sulphides:	Nil
Others:	Hematite alteration

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.05x0.05	Smooth	∽	Wire	Quartz-indicated source, local

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 62 **Size:** One cubic foot **Location:** 64+15E/15+90S RR Grid

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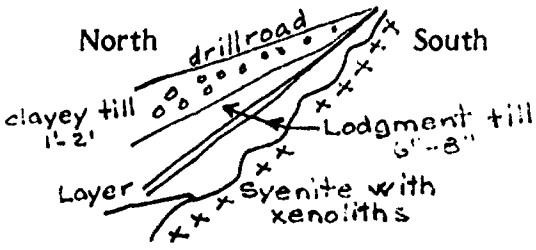
SITE:



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Fair	Wet	Good	181°

PANNING: 60% gravel and angular rocks; 30% sand; 10% clay; specularite

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavy minerals. Coarse sparkles, specularite.

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet:
Magnetite:
Hornblende:
Pyroxene:
Sulphides:
Others:

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.2	Smooth			local
1	Yellow	0.2x0.2x0.2	Slight curl on one corner			some transport

2

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 63 **Size:** One cubic foot **Location:** 59+55E/16+10S RR Grid

---

SITE: North South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Good	Wet	Yes	176°

PANNING: (carbonated); 40% coarse angular rock and gravel; 30% sand; 30% clay

SUPERPANNING:

Physical: Pans well. Some ortstein. Low moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange and pink - Abundant
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.3x0.2x0.2	Smooth			Local

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McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 64 **Size:** One cubic foot **Location:** 54+35E/18+50S RR Grid

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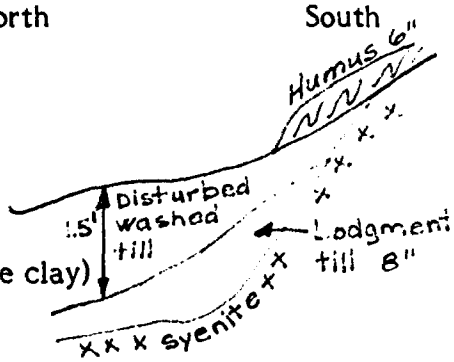
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Good	Very	Yes Wet	-



PANNING: 50% angular rock; 40% clay; 10% sand; (milky white clay)

SUPERPANNING:

Physical: Grey. Pans well. All sizes. Moderate heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink - Abundant
Magnetite:	Low Moderate
Hornblende:	Few
Pyroxene:	Few
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.6x0.4x0.2			Bent over in half	Nugget
1	Yellow	0.2x0.1x0.1			Cubic, Ridged	Shear-indicated source, local
1	Yellow	0.1x0.1x0.1			Dumbell	Pyrite-indicated source, local
1	Yellow	0.1x0.1x0.1			Dumbell	Pyrite-indicated source, local
1	Yellow	0.1x0.1x0.1			Dumbell	Pyrite-indicated source, local
1	Yellow	0.1x0.1x0.1			Dumbell	Pyrite-indicated source, local
1	Yellow	0.05x0.05x0.05			Dumbell	Shear-indicated source, local
1	Yellow	0.05x0.05x0.05			Ridged	Local
1	Yellow	0.3x0.2x0.1				Local
1	Yellow	0.05x0.05x0.05				Local

TO

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 65 **Size:** One cubic foot **Location:** 27+85E/13+52N IP Grid

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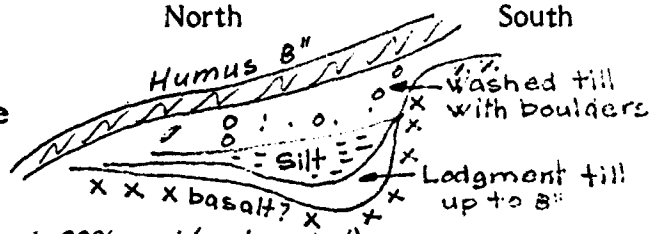
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Good	Very	Good	-



PANNING: 40% angular rocks; 40% sand and gravel; 20% mud (carbonated)

SUPERPANNING:

Physical: Pans well. All sizes present. High moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	1 piece of malleable silvery-native silver or solder

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.05x0.05	Smooth	◇	Wire	Local, quartz-indicated source
1	Yellow	0.1x0.05x0.05	Smooth	◌	irregular	Pyrite-indicated source, local
1	yellow	0.2x0.1x0.1	Smooth	◁		Pyrite-indicated source, local

Very difficult to pick up.

3

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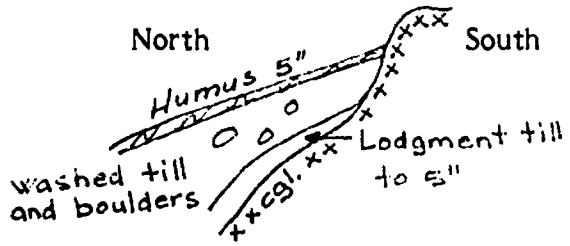
May/June 1985

CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 66 **Size:** One cubic foot **Location:** 52+15E/1+40S RR Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Good	Good	Yes	-



PANNING: 40% gravel, some angular rock carbonated; 40% sand; 20% clay

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavy minerals.

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet: Pink and orange and 1 pyrope reddish purple - Abundant garnets
Magnetite: Low Moderate
Hornblende: Moderate
Pyroxene: Moderate
Sulphides: Nil
Others: -

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.4x0.3x0.1	Ragged		Scale	Local
1	Yellow	0.05x0.05x0.05				Local
1	Yellow	0.3x0.2x0.1	turned			Local

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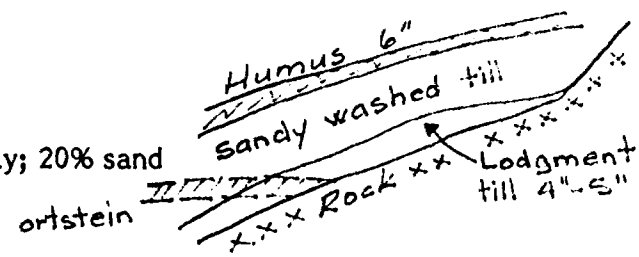
CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 67 **Size:** One cubic foot **Location:** 52+05E/8+50N RR Grid

SITE: North South

Clasts	Fissile	Compact	Casts	Striae
Sub-rounded				
Yes	Fair	Good	Yes	-



PANNING: 15% angular rocks; 15% gravel; 50% clay; 20% sand

SUPERPANNING:

Physical: Pans fair. Some ortstein. Low moderate in magnetics.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange - Moderate
Magnetite:	Low Moderate
Hornblende:	Low Moderate
Pyroxene:	Low Moderate
Sulphides:	Nil
Others:	Hematite

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.3x0.1x0.1	Smooth		Wire	Quartz-indicated source
1	Yellow	0.2x0.2x0.2	Smooth		Ridged	Shear-indicated source

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 68 **Size:** One cubic foot **Location:** 53+77E/3+47N RR Grid

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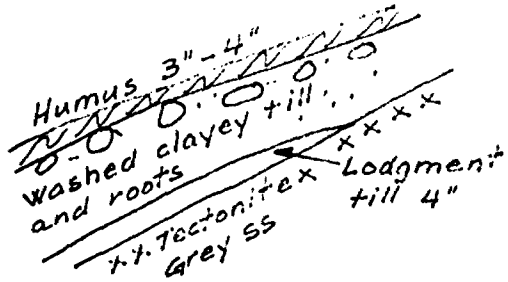
SITE: North South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Yes	Fair	Yes	205°, 180°



PANNING: 20% gravel and angular rock; 10% sand; 70% clay

SUPERPANNING:

Physical: Pans well. All sizes. Very minor ortstein. Some grey muddy.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange and pink - Moderate
Magnetite:	Low Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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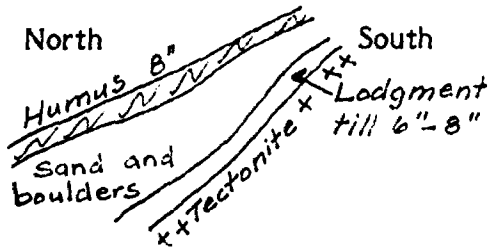
CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 69 **Size:** One cubic foot **Location:** 57+05E/11+30N RR Grid

SITE:



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Most	Some	Yes	Yes	-

PANNING: 30% fine gravel and angular rock; 60% silt and clay; 10% sand. Pyrite.

SUPERPANNING:

Physical: Pans well. All sizes. High moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange and pink - Moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil (panner records pyrite)
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.2	Smooth		Shield Ridged	Shear-indicated source

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 70 **Size:** One cubic foot **Location:** 56+45E/7+70N RR Grid

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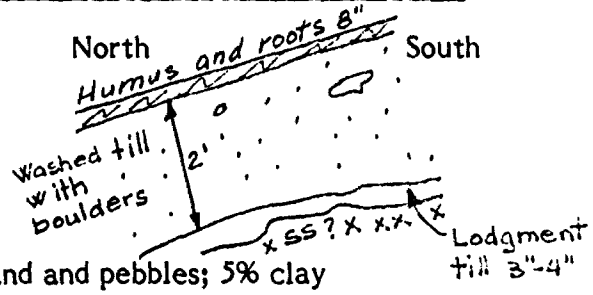
SITE:



Sub-rounded Clasts **Fissile** **Compact** **Casts** **Striae**

PANNING: 60% angular rock and coarse gravel; 35% sand and pebbles; 5% clay

SUPERPANNING:

Physical: Pans well. All sizes. Low moderate heavy minerals.

Common Minerals	**Est. Abundance, Alteration, Association, Significance**
Garnet:	Moderate pink and orange
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	Minor hematite

VISIBLE GOLD UNDER MICROSCOPE

Counts	**Colour**	**Size**	**Edges**	**Sketch**	**Shape**	**Significance**
Nil gold						

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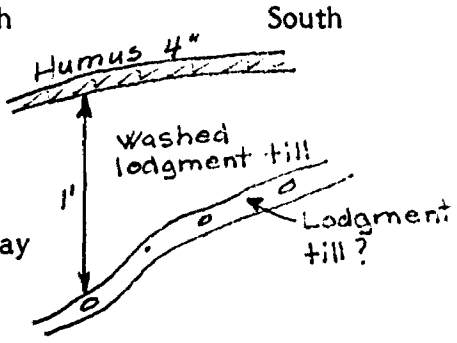
CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 71 **Size:** One cubic foot **Location:** 55+75E/4+57N RR Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Good	Fair	Yes	180°



PANNING: 25% gravel and angular rock; 10% sand; 65% sticky clay

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange - Moderate
Magnetite:	Low Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	Some epidote, some shear rock, some quartz

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.1	Smooth			Local
1	Pinkish Yellow	0.1x0.05x0.05				Local
1	Yellow	0.2x0.2x0.1				Local
1	Yellow	0.1x0.05x0.05	Smooth			Local
1	Yellow	0.1x0.1x0.05	Smooth			Local

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McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 72 **Size:** One cubic foot **Location:** 56+05E/2+85N RR Grid

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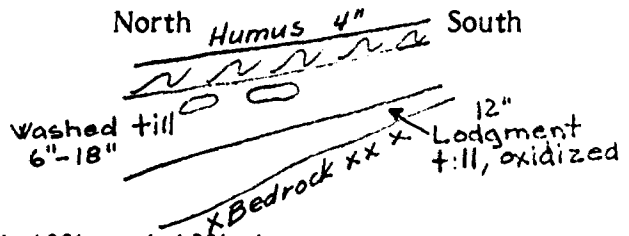
SITE:



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Good	Fair	Yes	-

PANNING: Carbonated; 50% angular rock and gravel; 10% sand; 40% clay

SUPERPANNING:

Physical: Pans poorly. Mostly ortstein. Very low in fine sand. Very low in heavy minerals. POOR SAMPLE.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and Orange - Low
Magnetite:	Very Low
Hornblende:	Low
Pyroxene:	Low
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 73 **Size:** One cubic foot **Location:** 58+00E/2+45N RR Grid

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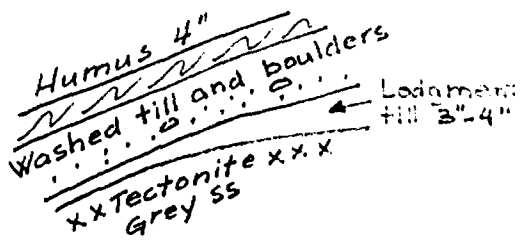
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Good	Good	Good	181°

North South



PANNING: 50% angular rock and gravel; 30% sand; 20% clay

SUPERPANNING:

Physical: Pans well. Some ortstein. Low moderate in heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange and several deep red (Pyrope?)
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 74 **Size:** One cubic foot **Location:** 4+35W/14+85N IP Grid

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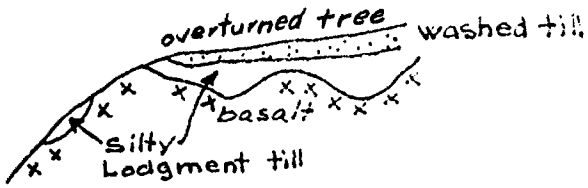
SITE:



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Variable	Very	Excellent	-

PANNING: 15% Gossan stained mud, sand, rock; 75% mud and top soil; 10% sand

SUPERPANNING:

Physical: Pans well. Some exotic limonite. Sands distinct reddish colour. POOR SAMPLE.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink - Moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	
Sulphides:	1 Pyrite
Others:	1 soft malleable silver like

Qtz grains have brownish yellow stains as do the feldspar; some vein and vuggy quartz

---

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.3x0.2x0.2	hackly			local
1	Yellow	0.4x0.3x0.3				local

2

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 75 **Size:** One cubic foot **Location:** 1+00E/13+30N IP Grid

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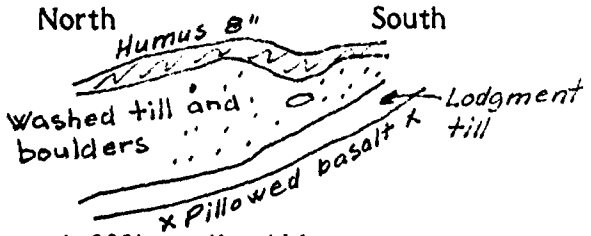
SITE:

Sub-rounded Clasts **Fissile** **Compact** **Casts** **Striae**



PANNING: Carbonated; 15% angular rock; 50% clay; 15% sand; 20% small pebbles.

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavy minerals. Some exotic limonite.

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet:

Magnetite:

Hornblende:

Pyroxene:

Sulphides:

Others:

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.4x0.2x0.2	Not turned			local
1	Yellow	0.1x0.1x0.1	Smooth			Pyrite-indicated source, local

2

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 76 **Size:** One cubic foot **Location:** 35+95W/1+00N IP Grid

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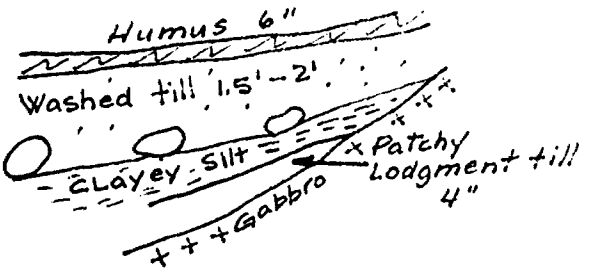
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Yes	Variable	Yes	168°

North South



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. High moderate heavy minerals. Strong epidote tail.

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet: Pink and few orange - Moderate
Magnetite: Moderate
Hornblende: Moderate
Pyroxene: Moderate
Sulphides: Nil
Others: Epidote abundant

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.1x0.05				Local
1	Yellow	0.1x0.1x0.05	Hackly			Local
1	Yellow	0.05x0.05x0.005				Local

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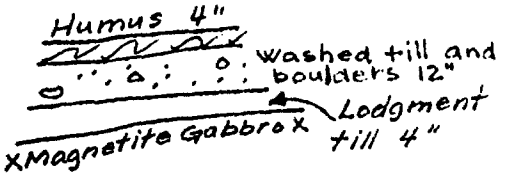
CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 77 **Size:** One cubic foot **Location:** 36+90W/6+70N IP Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Yes	Wet	Yes	163°

North South



PANNING:

SUPERPANNING:

Physical: Superpans Fair. High sand and granules. Moderate heavies. 10 pieces of copper blasting wire.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink - moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Low moderate
Sulphides:	NIL
Others:	Epidote high moderate

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.1x0.1	smooth			local
1	Yellow	0.15x0.1x0.1	smooth			local
1	Yellow	0.05x0.05x0.05	smooth		Dumbell	pyrite indicated source, local
1	Yellow	0.05x0.05.0.05	smooth			local
1	Yellow	0.05x0.05x0.05			Dumbell	pyrite indicated source
1	Yellow	0.1x0.1x0.05				local
6						

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McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 78 **Size:** One cubic foot **Location:** 35+35W/1+55S IP Grid

---

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae	North	South
Yes	Yes	Yes	Yes	160°	0-4" washed fill 4"-7" lodgment till 7" + Diorite; hematitic, pyritic	

PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. High moderate in heavies.

Common Minerals	Est. Abundance, Alteration, Association, Significance	
Garnet:	Pink - moderate	Grass - stain green epidote
Magnetite:	high moderate	Piece of blue-black quartz with fine
Hornblende:	moderate	tourmaline needles
Pyroxene:	low moderate	
Sulphides:	nil	
Others:	Apidote abundant	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
12	Yellow	0.05x0.05x0.05	Smooth			Pyrite indicated source, local

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 79 **Size:** One cubic foot **Location:** 36+20W/3+50S IP Grid

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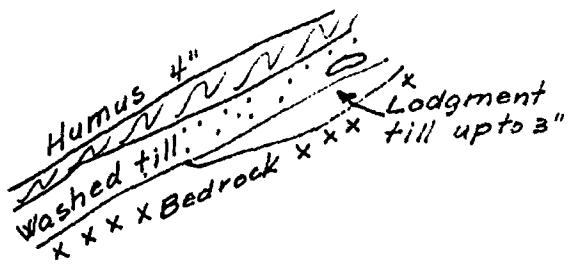
SITE: North South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Yes	Wet	Yes	-



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. Low moderate in heavy minerals.

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet: Orange and Pink - moderate
Magnetite: Low
Hornblende: Low
Pyroxene: Moderate
Sulphides: Nil
Others: Jasper, Hematite alteration

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.1x0.1	smooth easy to pick up		Ridged	Shear - indicated source, local
1	Yellow	0.2x0.1x0.1	smooth easy to pick up			Shear or pyrite - indicated source, local
1	Yellow	0.05x0.05x0.05	smooth hard to pick up		Dumbell	Pyrite - indicated source
1	Yellow	0.05x0.05x0.05	smooth			local

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 80 **Size:** One cubic foot **Location:** 34+75W/6+35S IP Grid

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SITE: North South

Clasts	Fissile	Compact	Casts	Striae
Sub-rounded				
Yes	Variable	Rooty	Yes	157°, 170°

PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. Low moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange and Pink - moderate
Magnetite:	Low moderate
Hornblende:	Low
Pyroxene:	Moderate
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.1	smooth slight turning			Some transport
1	Yellow	<0.005	specks			local
1	Yellow	<0.005	specks			local
3						

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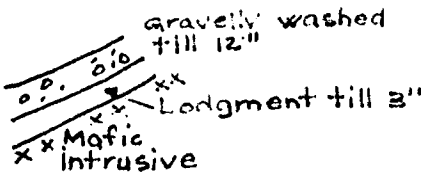
CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 81 **Size:** One cubic foot **Location:** 32+20W/1+20S IP Grid

SITE:

Clasts	Fissile	Compact	Casts	Striae
Sub-rounded				
Yes	Moderate	Moderate	Yes	160°

North South



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. High moderate in heavy minerals. Tail of epidote.

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet:	Orange and Pink - moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Some
Sulphides:	Nil
Others:	Epidote

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05				Pyrite-indicated source, local
1	Yellow	0.1x0.05x0.05			Wire	Quartz vein indicated source, local
1	Yellow	0.1x0.1x0.1				local
1	Yellow	0.1x0.1x0.1			Dumbell	Pyrite - indicated source, local
1	Yellow	0.1x0.1x0.1				Local
1/8	Yellow	0.1x0.1x0.05				

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May/June 1985

CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 82 **Size:** One cubic foot **Location:** 40+00W/1+00S IP Grid

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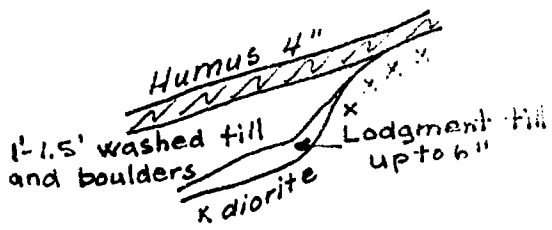
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Most	Yes	Yes	Good	-

North South



PANNING:

SUPERPANNING:

Physical: Pans well. High in fine sand. High in heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink High abandance. A few orange.
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
2 Runs Nil Gold						

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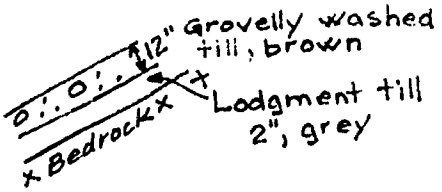
CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 83 **Size:** One cubic foot **Location:** 40+50W/4+40S IP Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Yes	Yes	Yes	160°

North South



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. Low moderate heavy minerals. Tail of pyroxene and hornblende.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange and pink and red - Abundant
Magnetite:	High moderate
Hornblende:	High moderate
Pyroxene:	High moderate
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.1x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth		Hackly	Local
1	Yellow	0.05x0.05x0.05	Smooth		Crescent	Local
1/4	Yellow	0.05x0.05x0.05	Smooth		Dumbell	Pyrite-indicated source, local

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 84 **Size:** One cubic foot **Location:** 34+95W/1+00N IP Grid

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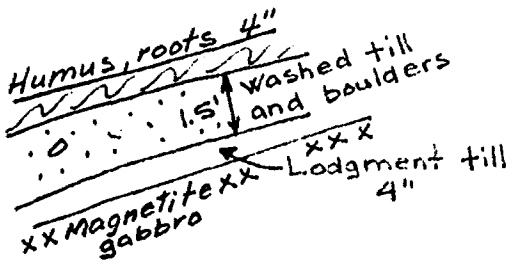
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Good	Yes	Good	159°

North South



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. High moderate heavy minerals. Tails of epidote green.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink - moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	
Others:	Epidote moderate Zircons high

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.2	Smooth			Pyrite-indicated source, local
1	Yellow	0.2x0.2x0.2	Hackly			Shear or quartz-indicated source, loc
1	Yellow	0.1x0.1x0.1	Smooth			
1	Yellow	0.1x0.05x.005				
1	Yellow	0.1x0.05x0.05				
5						

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 85 **Size:** One cubic foot **Location:** 43+00W/6+90S IP Grid

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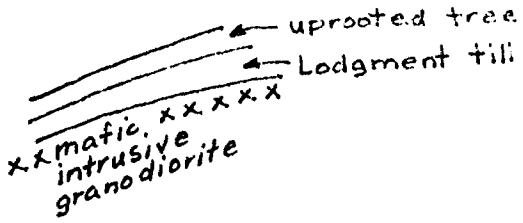
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Yes	Yes	Yes	183°

North South



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes but high in sand. Low moderate heavy minerals. Tail of dark green.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange and some pink. Moderate
Magnetite:	Low moderate
Hornblende:	Low
Pyroxene:	Moderate
Sulphides:	Nil
Others:	Some bottle green pyroxene

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.1x0.1	Smooth		Dumbell	Pyrite-indicated source, local

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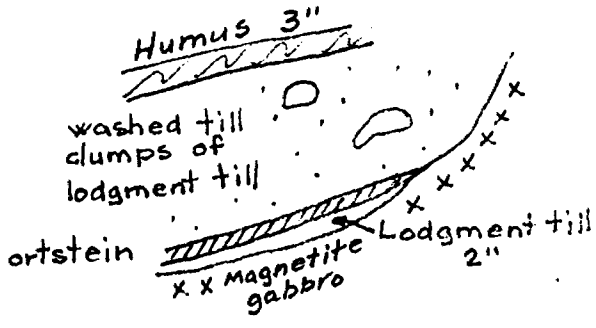
CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 86 **Size:** One cubic foot **Location:** 34+80W/5+70S IP Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Yes	Yes	Yes	154°

PANNING: Sorted ?



SUPERPANNING:

Physical: Pans well. All sizes. Green Epidote train.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange and Pink, moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	NIL
Others:	Epidote Moderate

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.15x0.15	Smooth		Wire	Local, shear or quartz indicated source smooth
$\frac{1}{2}$	Yellow	0.2x0.2x0.1				Local

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 87 **Size:** One cubic foot **Location:** 39+70W/9+00S IP Grid

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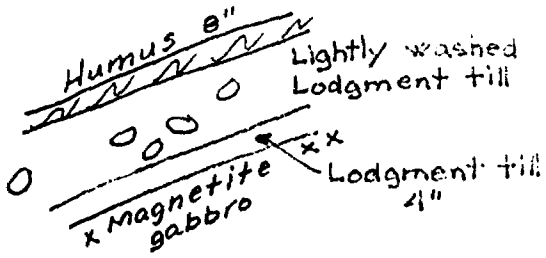
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Most	Good	Very	Good	-

North South



PANNING:

SUPERPANNING:

Physical: Pans poorly. Grit and much fine sand. Much chlorite. Low moderate in heavy mineral, poor sample. Whitish not oxidized.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange and Pink and one pyrope - moderate
Magnetite:	Low
Hornblende:	Low
Pyroxene:	Abundant, first thought to be chlorite, possibly a pyroxene sent for x-ray. A translucent deep bottle green. Platy, as if veins, serpentine.
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1 T	Yellow	0.2x0.1x0.1	Smooth	◊	Wire	Quartz-indicated source, local

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 88 **Size:** One cubic foot **Location:** 41+10W/9+70S IP Grid

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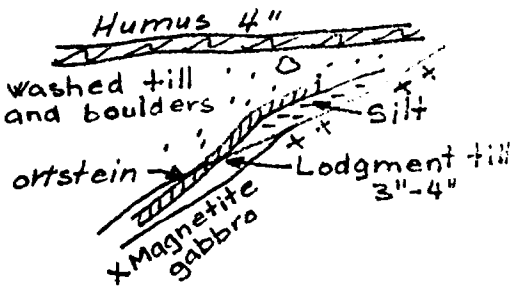
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
-	Very	Good	Good	-

North South



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. Low moderate heavy minerals. Sample is dark reddish brown ortstein stain.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and few orange
Magnetite:	Low moderate
Hornblende:	Low moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.1	Smooth	⊕	ridged difficult to pick up	Shear or pyrite-indicated source, local
1	Yellow	0.1x0.1x0.1	Smooth	○		Local
1	Yellow	0.1x0.1x0.1		○		Local
1	Yellow	0.1x0.1x0.1		○		Local
1	Yellow	0.2x0.1x0.1		○		Local
5						

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 89 **Size:** One cubic foot **Location:** 44+60W/9+00S IP Grid

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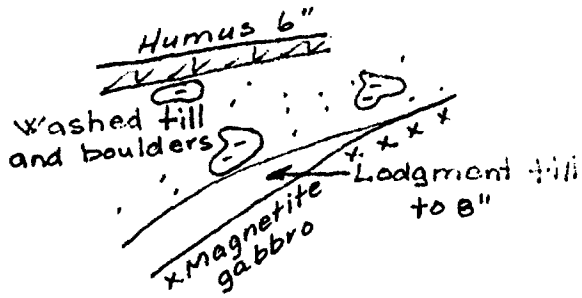
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Yes	Good	Good	160°

North South



PANNING:

SUPERPANNING:

Physical: Pans Well. All sizes. Moderate heavy minerals. Tail of epidote green turns out to be pyroxene.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange - moderate
Magnetite:	Moderate
Hornblende:	Low
Pyroxene:	High moderate
Sulphides:	Nil
Others:	Nil

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.1	Smooth			Local

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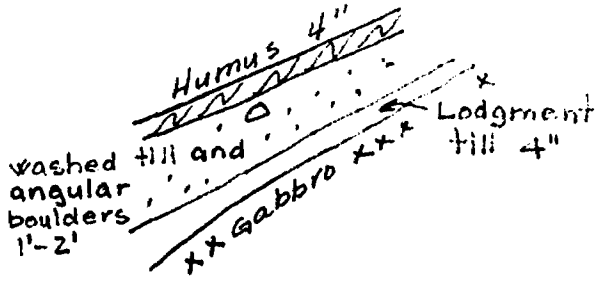
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 90 **Size:** One cubic foot **Location:** 43+95E/4+10S IP Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Good	Very	Yes	159°

North South



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. High moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange and pink - moderate. Pink feldspars more common that usual
Magnetite:	Moderate indicates syenite
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.1x0.1	Smooth			Local
1	Yellow	0.2x0.1x0.1	Smooth		Dumbell	Pyrite-indicated source, local
1	Yellow	0.2x0.1x0.1	Smooth		Dumbell	Pyrite-indicated source, local
1	Yellow	0.1x0.1x0.1	Smooth		Hard to	Pyrite-indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth		pick up	Local
1	Yellow	0.05x0.05x0.05	Smooth		Dumbell	Pyrite-indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth			Pyrite-indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth		Dumbell	Local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth			Local
+1	Yellow	0.05x0.05x0.05	Smooth			Local

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 91 **Size:** One cubic foot **Location:** 31+90W/1+60S IP Grid

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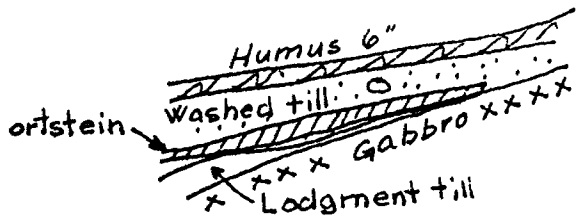
SITE: North South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Most	Very	Yes	Good	-



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. Some reddish-brown ortstein, high moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange and pink -
Magnetite:	Moderate
Hornblende:	High Moderate
Pyroxene:	High Moderate
Sulphides:	Nil
Others:	More zircons than usual

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
NIL						

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Sample No: E 92 **Size:** One cubic foot **Location:** 33+50W/1+70S IP Grid

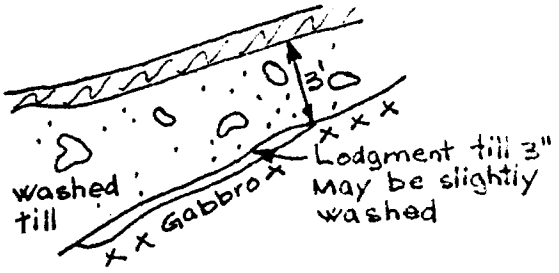
SITE:

Clasts	Fissile	Compact	Casts	Striae
Sub-rounded Most	Fair	Good poor sorting		156°

PANNING:

SUPERPANNING:

North South



Physical: Pans well. High in heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orangy red. Abundant
Magnetite:	Abundant
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	

Magnetic concentrate made into polished section. "Magnetite" is mixed magnetite - ilmenite - hematite. Concentrate assays by neutron activation at 21 ppm Ag. No. silver mineral found by microprobe.

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.3x0.3x0.2	Smooth			Local
1	Yellow	0.1x0.1x0.05	Smooth			Local
1	Yellow	0.1x0.1x0.05	Smooth			Local
1	Yellow	0.2x0.1x0.1	Smooth		Dumbell	Pyrite-indicated source, local
1	Yellow	0.1x0.05x0.05	Smooth			Local
1	Yellow	0.1x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth		Dumbell	Pyrite-indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth		Dumbell	Pyrite-indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.1x0.1x0.5	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth		Dumbell	Pyrite-indicated source, Local
3	Yellow	0.005x0.005x0.005	Smooth			Local x3

T6

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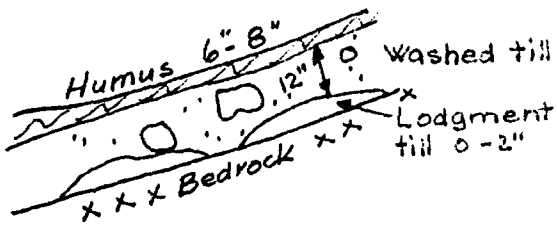
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 93 **Size:** One cubic foot **Location:** 32+10E/5+50S IP Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Good	Good	Excellent	161°

North South



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavy minerals. Green tail of pyroxene and epidote.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange and pink - High moderate
Magnetite:	Moderate — Some hematite stain on vein quartz
Hornblende:	High Moderate
Pyroxene:	High Moderate
Sulphides:	Nil
Others:	Minor brown mica, phlogopite

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.2	Smooth		Diamond	Pyrite-indicated source, local
1	Yellow	0.2x0.1x0.1	Smooth		Dumbell	Pyrite-indicated source, local
1	Yellow	0.1x0.05x0.05	Smooth			Pyrite-indicated source, local
1	Yellow	0.2x0.1x0.1	Smooth		Dumbell	Pyrite-indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.005	Smooth			Local
1	Yellow	0.1x0.1x0.05	Smooth			Local
1	Yellow	0.1x0.1x0.05	Smooth			Local
1	Yellow	0.3x0.2x0.2	Smooth		Ridged	Shear-indicated source, local
1	Yellow	0.1x0.05x0.05	Smooth		Wire	Quartz-indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth		Arrow tip	Local

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 94 **Size:** One cubic foot **Location:** 0+20W/3+15S RR Grid

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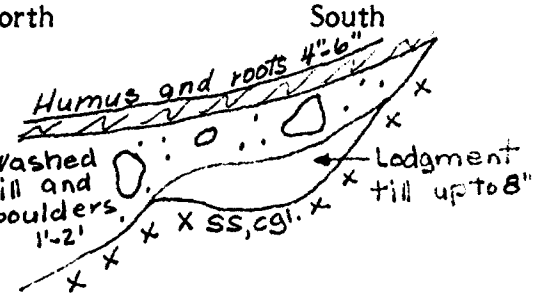
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Excellent	Good	Fair	Good	-

North South



PANNING: 10% Angular rock and gravel; 15% sand; 75% clay

SUPERPANNING:

Physical: Pans well. All sizes. High moderate heavy minerals. Grey

Common Minerals	Est. Abundance, Alteration, Association, Significance	
Garnet:	Pink and Orange and bright red translucent	
Magnetite:	High moderate	
Hornblende:	Moderate	
Pyroxene:	Moderate	Some pink feldspars
Sulphides:	Nil	
Others:	-	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.3x0.2x0.2	Slightly turned			some transport
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.6x0.4x0.3	Smooth			Local
2	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.1x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth			Local
9						

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 95 **Size:** One cubic foot **Location:** 4+05W/4+10S RR Grid

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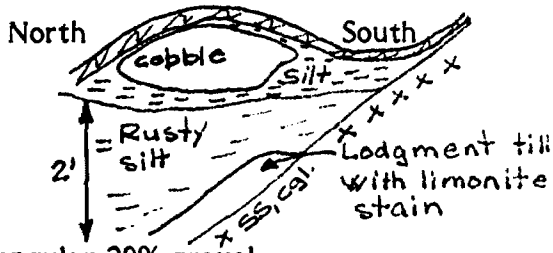
SITE:



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Very	Very	Good	-

PANNING: Carbonated; 20% sand; 20% topsoil; 40% rocks, angular 20% gravel.

SUPERPANNING:

Physical: Dark Reddish Brown. Abundant ortstein. Low in finer sand. Low in heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange-Low pink rare POOR SAMPLE
Magnetite:	Low
Hornblende:	Low
Pyroxene:	Low
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
NIL						

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May/June 1985

CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 96 **Size:** One cubic foot **Location:** 7+95W/5+15S RR Grid

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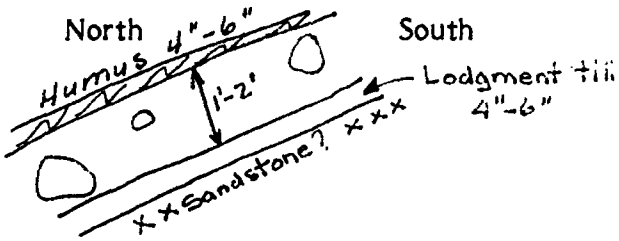
SITE:



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	-	Loosened	Fair	164°

PANNING: Carbonated; 20% angular rock; 30% clay; 30% gravel; 20% fine sand.

SUPERPANNING:

Physical: Pans well. Moderate Ortstein. Moderate heavy minerals sparkles of pyrrhotite numerous.

Common Minerals	Est. Abundance, Alteration, Association, Significance	
Garnet:	Pink and orange and purple	1 pyrope
Magnetite:	Moderate	Many pyrrhotite about 10 - silvery magnetic
Hornblende:	Moderate	tabular as if from vein.
Pyroxene:	Moderate	
Sulphides:	Pyrrhotite	
Others:	Green tabular crystals	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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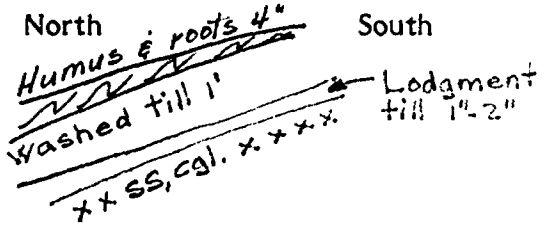
CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 97 **Size:** One cubic foot **Location:** 11+70W/7+45S RR Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Good	Fair	Yes	175°



PANNING: Carbonated; 25% rock and gravel; 25% clay and mud; 50% carbonated sand.

SUPERPANNING:

Physical: Pans fair. Some ortstein. Low moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange and some pink - Low moderate
Magnetite:	Low
Hornblende:	Low
Pyroxene:	Low moderate
Sulphides:	Nil
Others:	-

POOR SAMPLE

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Pinkish Yellow	0.2x0.05x0.05	Smooth			Rolls as gold, gold.

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 98 **Size:** One cubic foot **Location:** 20+30W/7+50S RR Grid

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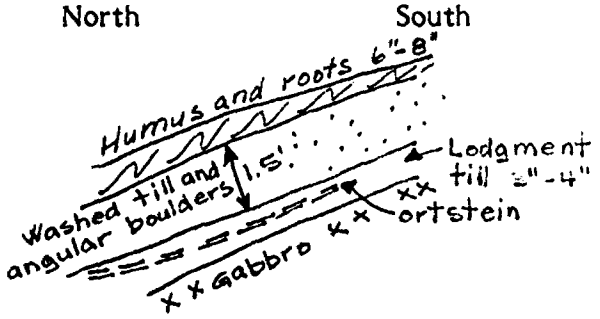
SITE:

North South



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Good	Very	Good	166°

PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. High moderate in heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange and pink abundant
Magnetite:	High moderate
Hornblende:	Low moderate
Pyroxene:	High moderate
Sulphides:	Nil
Others:	More zircons than usual, more spinel than usual.

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.05x0.05x0.05	Smooth		End of dumbell	Local, Pyrite-indicated source
1/2	Yellow	0.05x0.05x0.05	Smooth			Local

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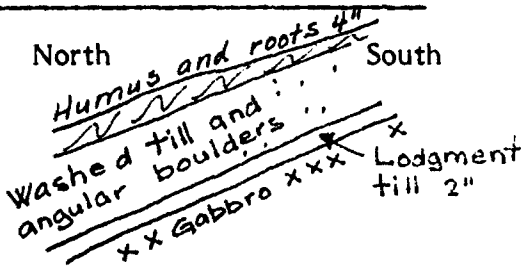
CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 99 **Size:** One cubic foot **Location:** 24+00W/9+20S RR Grid

SITE:



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Good	Very	Yes	184°

PANNING: Carbonated; 50% angular rock; 30% gravel; 10% mud; 10% sand

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavy minerals. Greyish with only low ortstein.

Common Minerals	Est. Abundance, Alteration, Association, Significance	
Garnet:	Red translucent, orange, pink and 2 pyrope purple	
Magnetite:	Moderate to High Moderate	Pyrope, Chrome diopside
Hornblende:	Low moderate	
Pyroxene:	Moderate	
Sulphides:	Nil	
Others:	1 Chrome diopside - translucent deep green chromium, jasper	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.05x0.05	hackly		wire	local, from quartz indicated
1	Yellow	0.3x0.3x0.1	slight turn of edge			some transport
1/3	Yellow	0.2x0.1x0.1	smooth			local

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McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 100 **Size:** One cubic foot **Location:** 28+10W/11+28S RR Grid

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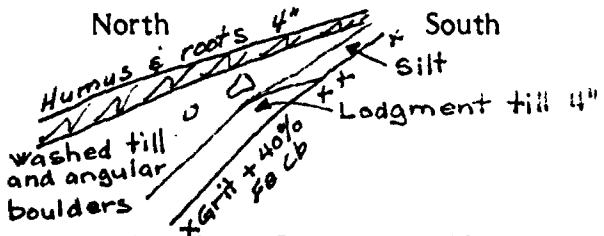
SITE:



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Most	Good	Yes	Good	-

PANNING: 50% angular rocks and coarse gravel; 35% sand and pebbles; 5% top soil; 10% clay

SUPERPANNING:

Physical: Pans well. All sizes. Moderate Heavy minerals. Grey

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange and red and pyrope
Magnetite:	Moderate
Hornblende:	Low
Pyroxene:	Moderate
Sulphides:	1 Pyrite
Others:	Epidote

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 101 **Size:** One cubic foot **Location:** 36+05/4+90N RR Grid

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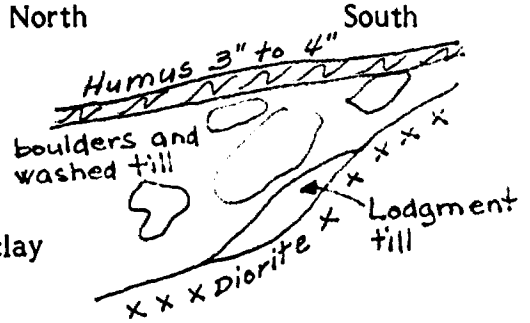
SITE:

North South



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Fair	Very	Yes	-

PANNING: 25% angular rocks and pebbles; 50% sand; 25% clay

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance	
Garnet:	Orange and pink and red translucent	
Magnetite:	Moderate	
Hornblende:	Low Moderate	
Pyroxene:	Moderate	
Sulphides:	1 Pyrite	Pyrite: Hematite, translucent
Others:	some hematite	red garnet

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.05x0.05	Smooth		Dumbell	Pyrite indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.3x0.2x0.2	Smooth		Ridge	Local, pyrite indicated source
2	Yellow	0.05x0.05x0.05	Smooth			Local pyrite or shear-indicated source x2
1	Yellow	0.1x0.05x0.05	Smooth		Wire	Quartz indicated source
6						

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 102 **Size:** One cubic foot **Location:** 28+00W/4+00N RR Grid

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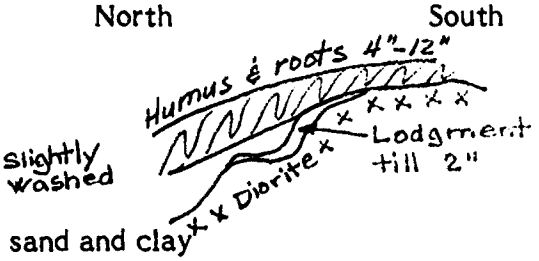
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Fair	Very	Good	-

North South



PANNING: 25% coarse angular; 65% black loam; 15% sand and clay

SUPERPANNING:

Physical: Pans Well. All sizes. High in quartz sand. High in green brown mineral. Moderate in heavy minerals. Poor sample.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange and abundant red
Magnetite:	Abundant
Hornblende:	Low
Pyroxene:	Abundant
Sulphides:	Nil
Others:	High in Actinolite. Some epidote. Some hematite stained quartz, considerable chromite. Bluish quartz with black specs.

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.5x0.3x0.3	Hackly			source-open space?

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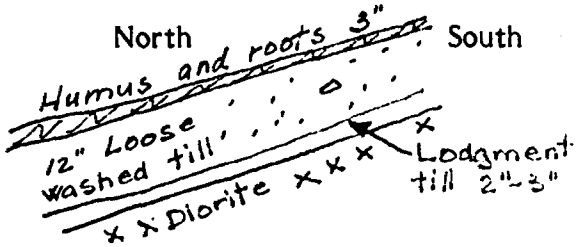
CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 103 **Size:** One cubic foot **Location:** 20+00W/4+90N RR Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Blasted	Blasted	Good	162°



PANNING: 20% angular rock and pebbly gravel; 20% sand; 60% clay and silt

SUPERPANNING:

Physical: Pans well. All sizes. Low moderate in heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance	
Garnet:	Many orange and red and pink	
Magnetite:	Low moderate	
Hornblende:	Low	
Pyroxene:	Moderate	Twin chromite (non magnetic) metallic
Sulphides:	Nil	with brown for x ray. Also chromite
Others:	Chromite, bottle green mineral, olivine mineral, magnetic.	magnetic. Many bright orangy red translucent garnets also pyrope

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 104 **Size:** One cubic foot **Location:** 12+10W/10+25N RR Grid

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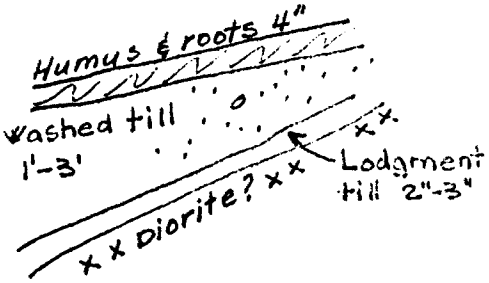
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
-	Good	Very	Good	158°

North South



PANNING: 20% angular rocks and pebbles; 70% clay; 10% sand

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Orange and pink and orangy red
Magnetite:	Moderate
Hornblende:	Low
Pyroxene:	Moderate
Sulphides:	Nil
Others:	Minor chromite

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 105 **Size:** One cubic foot **Location:** 43+10W/22+30S IP Grid

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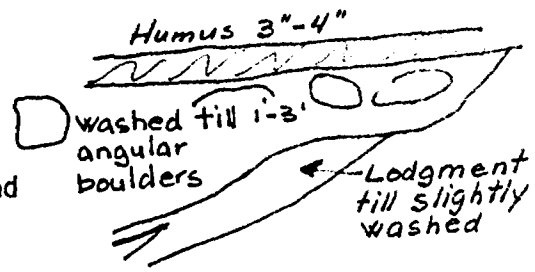
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Poor	Good	Very	Good	-

North South



PANNING: 30% angular rocks and gravel; 60% clay; 10% sand

SUPERPANNING:

Physical: Pans well. All sizes. High moderate magnetics. Green pyroxene/epidote tail.

Common Minerals	Est. Abundance, Alteration, Association, Significance	
Garnet:	Pink and orange and purple pyrope	
Magnetite:	Moderate	Pyrope
Hornblende:	Low	Chrome dropside
Pyroxene:	Moderate	
Sulphides:	Nil	
Others:	Chrome diopside, pyrope	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.1x0.1				Local
1	Yellow	0.3x0.2x0.15	Smooth			Local
2/4	Yellow	0.1x0.05x0.05	Smooth			Local

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McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 106 **Size:** One cubic foot **Location:** 44+00W/15+55S IP Grid

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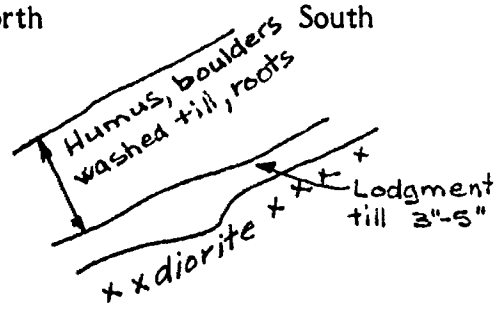
SITE:

North



South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Fair	Good	Very	Good	-

PANNING: 25% Angular rock and gravel; 25% sand; 50% clay

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange
Magnetite:	Moderate
Hornblende:	Low
Pyroxene:	Moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 107 **Size:** One cubic foot **Location:** 49+35W/21+40S IP Grid

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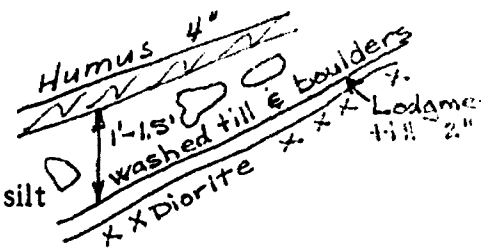
SITE: North South



Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Fair	Good	Rooty	Fair	-

PANNING: 15% Gravel and angular rock; 15% sand; 70% clay and silt

SUPERPANNING:

Physical: Pans well. Moderately high ortstein. Moderately low heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance		
Garnet:	Pink and orange and purple		
Magnetite:	Moderate	Pyrope)	
Hornblende:	Low	Chrome dropside)	diamond
Pyroxene:	Moderate	Ilmenite)	indicators
Sulphides:	Nil		
Others:	Hematite - slate		

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.1x0.1	Smooth	V	Ridge	Shear indicated source, local
1	Yellow	0.1x0.1x0.1	Smooth	O	End of dumbell	Pyrite indicated source, local
2						

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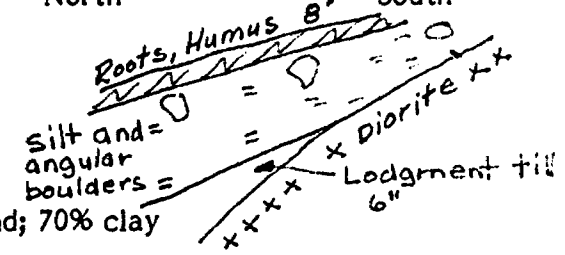
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 108 **Size:** One cubic foot **Location:** 52+00W/21+60S IP Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Most	Fair	Good	Good	-

North South



PANNING: 10% angular rocks and pebble gravel; 20% sand; 70% clay

SUPERPANNING:

Physical: Pans fair. Very low in heavy minerals and fine sand

Common Minerals **Est. Abundance, Alteration, Association, Significance**

Garnet: Pink and orange - High Moderate
Magnetite: Low moderate
Hornblende: -
Pyroxene: Moderate
Sulphides: Nil
Others:

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.2x0.2	Hackly			Note: coarse gold, local
1/2	Yellow	0.4x0.4x0.2	Hackly			Local, coarse gold

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 109 **Size:** One cubic foot **Location:** 56+00W/21+50S RR Grid

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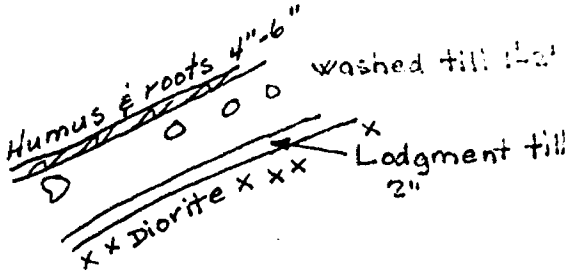
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Yes	Good	Yes	Yes	-

North South



PANNING: 15% Gravel; 10% sand; 75% clay

SUPERPANNING:

Physical: Pans well. All sizes. Low moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange - Moderate
Magnetite:	Low
Hornblende:	Low
Pyroxene:	Low moderate
Sulphides:	Nil
Others:	Specularite, Ilmenite black

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
Nil						

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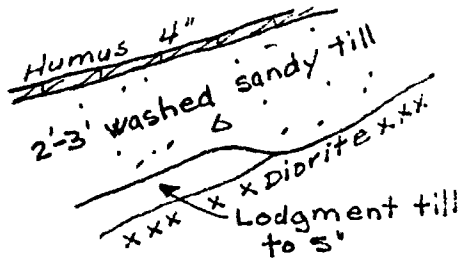
CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 110 **Size:** One cubic foot **Location:** 16+15W/7+50N RR Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Good	Loosened	Yes	154°

North South



PANNING: C. Jacques

SUPERPANNING:

Physical: Pans Well. All sizes. High moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and few orange - Moderate
Magnetite:	High Moderate
Hornblende:	Low Moderate
Pyroxene:	High Moderate
Sulphides:	Nil
Others:	Black ilmenite or possibly specularite

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
22	Yellow	0.1x0.1x0.1				
10	Yellow	0.05x0.05x0.05				
4	Yellow	0.1x0.1x0.05				Gold is very
1	Yellow	0.1x0.1x0.05			Ridged	intricate, hackly
2	Yellow	0.1x0.1x0.05				very fresh yellow
1	Yellow	0.05x0.05x0.05				appearance. All
2	Yellow	0.05x0.05x0.05				local
1	Yellow	0.05x0.05x.05				
1	Yellow	0.01x0.05x0.05	Hackly			
44						

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CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 111 **Size:** One cubic foot **Location:** 16+50W/4+00N RR Grid

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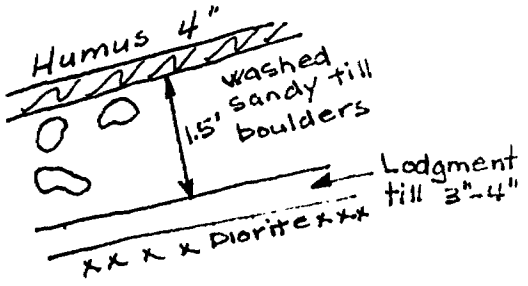
SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Most	Good	Very	Good	165°

North South



PANNING:

SUPERPANNING:

Physical: Pans well. All sizes. Moderate heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange and occ red - High Moderate
Magnetite:	Moderate
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.1x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.1x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05	Smooth			Local
4						

LEE GEO-INDICATORS LIMITED
(613) 836-1419

94 Alexander Street
Box 68
Stittsville, Ontario, Canada
K0A 3G0

May/June 1985

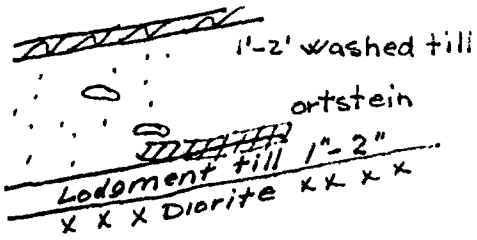
CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 112 **Size:** One cubic foot **Location:** 16+10W/1+50N RR Grid

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Yes	Fair	Fair	167°

North South



PANNING: C. Jacques

SUPERPANNING:

Physical: Pans well, brown but not ortstein. High in fine sand. Moderate in heavy minerals.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange - High Moderate
Magnetite:	High Moderate
Hornblende:	Low
Pyroxene:	High Moderate
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.1x0.1x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05				Local
1	Yellow	0.1x0.1x0.1				Local
1	Yellow	0.05x0.05x0.0	Smooth			Local
1	Yellow	0.3x0.05x0.05	Smooth			Local
1	Yellow	0.1x0.1x.005			End of Dumbell	Pyrite indicated source, local
1	Yellow	0.05x0.05x0.05				Pyrite indicated source, local
1	Yellow	0.05x0.05x0.05	Smooth			Local
1	Yellow	0.05x0.05x0.05				Local
1	Yellow	1x.05x0.05	Smooth			Local

TO

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Box 68
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May/June 1985

CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

Sample No: E 113 **Size:** One cubic foot **Location:** 10+10W/0+05S RR Grid

---

SITE: North South

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Most	Yes	Very	Good	-

Note: Rough bedrock surface

PANNING:

SUPERPANNING:

Physical: High fine sand. High in heavy minerals. Poor sample.

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Low
Magnetite:	Very high
Hornblende:	-
Pyroxene:	Moderate
Sulphides:	Nil
Others:	-

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.2x0.1x0.1	Smooth		End of Dumbell	Pyrite-indicated source, Local
1	Yellow	0.2x0.2x0.1	Smooth		Scale	Local
2/4	Yellow	0.05x0.05x0.05	Smooth			Local

LEE GEO-INDICATORS LIMITED
(613) 836-1419

94 Alexander Street
Box 68
Stittsville, Ontario, Canada
K0A 3G0

May/June 1985

CERTIFICATE OF MINERALOGY
McGARRY GOLD PARTNERSHIP INC., AZA PROPERTY

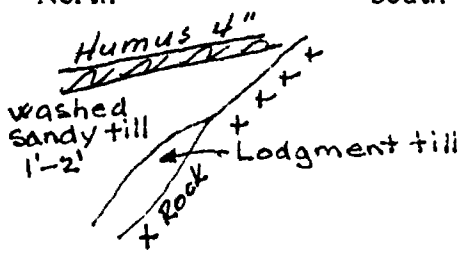
Sample No: E 114 **Size:** One cubic foot **Location:** 8+45W/1+00N RR Grid

---

SITE:

Sub-rounded Clasts	Fissile	Compact	Casts	Striae
Good	Poor	Fair	Good	-

North South



PANNING:

SUPERPANNING:

Physical: High in fine sand. High in heavy minerals. Poor sample ?

Common Minerals	Est. Abundance, Alteration, Association, Significance
Garnet:	Pink and orange - Low moderate
Magnetite:	High
Hornblende:	Moderate
Pyroxene:	Moderate
Sulphides:	Nil
Others:	

VISIBLE GOLD UNDER MICROSCOPE

Counts	Colour	Size	Edges	Sketch	Shape	Significance
1	Yellow	0.4x0.3x0.2	Smooth			Local
1	Yellow	0.1x0.1x0.05	Smooth			Local
2	Yellow	.1x0.05x0.05	Smooth			Local x 2
1/5	Yellow	0.05x0.05x0.05				Local

APPENDIX B

LITHOLOGY COUNTS FROM SELECTED SAMPLE LOCALITIES IN THE SERIES E1 TO E114

Sample E12 — 3 + 25W/13 + 45N IP Grid
(Eight clasts of gold/one cubic-foot volume of till)

Percent	Counts	Rock Types with Descriptions
24.5	41	Basalt, brown-grey, six are magnetic
19	32	Basalt, black green, some are rusty, eleven are magnetic
29	48	Basalt, pale green to buff pink
4	6	*Basalt, sheared, angular
3	5	*Metasediment?, angular, tan-coloured, slightly rusty
0.5	1	*Intrusive dyke, magnetic
0.5	1	*Quartz phenocrysts, orange-brown, fine grained
15.5	2.6	Pyroxene syenite, fine- to medium-grained, two are gneissic
2	4	Granites
2	4	Mafic intrusive, green, epidotized, disseminated pyrite
100	168	

*Assayed together at 2 ppb

Sample E14 — 20 + 65W/15 + 25N IP Grid
(Eight Clasts of gold/cubic-foot sample of lodgment till)

Percent	Counts	Rock Types with Descriptions
54	145	Diorite to basalt, mixture, some pebbles are very weathered; ten are magnetic
4	10	Basic rock, green, fine-grained with white feldspar phenocrysts
2	6	Basalt, vesicular
26	70	Syenite and syenite porphyry, angular to sub-rounded clasts, seven are magnetic
4	11	Syenite to diorite transition, five are magnetic
3	9	Syenite and/or gabbro, sheared and/or brecciated. Assays at 8 ppb
4	12	Gabbro, dark green, eight are magnetic
2	6	Granitic rocks
1	2	Quartz pebbles, angular clasts
100	271	

Sample E15 — 16 + 45W/15 + 85N IP Grid
(Four clasts of gold/cubic-foot sample of lodgment till)

Percent	Counts	Rock Types with Descriptions
7	14	Basalt, buff weathering, fine-grained
17	32	Basalt, green, fine-grained. Clasts are angular to rounded
2	4	Diorite-syenite intermediate, medium grained. Clasts are sub-angular to sub-rounded
7	13	Gabbro-basalt, white feldspars protrude, fine- to medium-grained.
1.5	3	*Gabbro, sheared, foliated
10	19	Granodiorite-syenite, fine- to medium-grained
39	74	Syenite and syenite porphyry, pink; clasts are angular to sub-angular

Sample E15 (continued)

Percent	Counts	
1	2	*Syenite porphyry, fractured, sheared
9	16	Syenite(?). Bleached. Clasts are sub-angular to sub-rounded
5	9	Syenite, dark red-brown, clasts are sub-rounded
1	2	Granitic rocks
0.5	1	Gneiss, long distance transport
100	189	

* Grouped together, assay at <1 ppb Au.

Sample E22 — 0 + 25E/9 + 85N IP Grid
(Twelve clasts of gold/ore cubic volume of lodgment till)

Percent	Counts	Rock Types with Descriptions
37	82	Basalt, sixteen are magnetic
17	38	Basalt, feldspar phenocrysts
7	16	Basalt, grey with dark vesicles or zeolites
6	13	*Basalt, eleven as flow breccia and two as red fine grained sediment
4	9	*Basalt, fractured, tabular, angular, fine veinlets, one is magnetic
6	12	Gabbro, three are magnetic, one is with leucoxene
2	4	Diabasic
2	4	Dioritic magnetic
1	3	Pyroxene syenite
15	34	Granite? No quartz. Likely syenite
3	7	Granite, with quartz, feldspar, hornblende
100	222	

* Assayed together gives 2 ppb Au.

Sample E25 — 3 + 40E/24 + 45N IP Grid
(Five clasts of gold/one cubic-foot of lodgment till)

Percent	Counts	Rock Types with Descriptions
20	28	Basalt, fine grained, fine magnetic, one is vuggy
6	8	Basalt, fine to medium grained, pink to grey, one is magnetic, fragments are rounded to tabular
2	3	Diorite
8	11	Diorite, finer-grained
29	42	Trachyte, pink, fine- to medium-grained
29	42	Syenite, pink, medium grained; some are porphyritic
2	3	Angular fractured, tabular. One is metasediment. One is tabular syenite and one is weathered syenite
2	3	Meta-sediment? Medium grained, red-brown, subrounded. Assayed at <1 ppb
2	3	Single mineral Angular quartz or feldspar.
100	143	

Sample E33 — 23 + 70E/1 + 00S IP Grid
(Six clasts of gold/cubic-foot sample of lodgment till)

Percent	Counts	Rock Types With Descriptions
58	96	Basalt, ten are magnetic. Sub-rounded to sub-angular clasts
9	15	Basalt, pillow selvages, pale, fine-grained. Angular clasts
5	8	Basalt, sheared, veined, brecciated. One with quartz, feldspar vein. Assays at <1 ppb Au.
4	7	Basalt, vesicular with white feldspar phenocrysts
5	9	Gabbro subrounded clasts
4	6	Diorite
9	15	Diorite with fleshy feldspars
3	5	Syenite and syenite porphyry
1	1	Gabbroic, sheared, gneissic. Long distance transport.
1	1	Gneiss, felsic
100	164	

Sample E49 — 54 + 30E/1 + 00S RR Grid
(Three clasts of gold/cubic-foot sample of lodgment till)

Rock Types With Descriptions

67	160	Basalt or gabbro, rusty brown weathering; sixteen are magnetic
2	6	*Basalt, fractured. Two are hematite-rich
3	8	Basalt, green weathering
4	9	Gabbro
2	5	Gabbroic, sheared, gneissic; Long distance transport
9	22	Syenite, one with probable quartz
1	1	Feldspar porphyry
6	14	Sandstone. Clasts angular to sub-rounded
2	5	Granites or diorites with blue vein quartz
4	10	*Sheared fractured, veined clasts. Three are syenite, one is quartz pebble, one is gabbro, five are basalt
100	240	

* Grouped together these assay at <1 ppb Au.

Sample E55 — 89 + 40E/2 + 00N RR Grid
(Five clasts of gold/cubic-foot sample of lodgment till)

Percent	Counts	Rock Types With Descriptions
11	16	Basalt, with quartz filled amygdules and small white feldspar phenocrysts
15	22	Basalt, with small white feldspar phenocrysts
15	23	Basalt, light to dark green, fine grained. Clasts are subangular to sub-rounded
5	7	Basalt, brecciated, veined, fractured. Assayed along with three undetermined grey dyke rocks at <1 ppb Au.
7	11	Gabbro, coarse grained part of a flow. Clasts are sub-rounded to well rounded.
36	55	Jasper sandstone
11	16	Intrusives, some are felsic; five are diorite, 6 are "granodiorite", two quartz-feldspar veins, three undetermined grey dyke rock.
100	150	

Sample E57 — 93 + 80E/16 + 20S RR Grid
(Five clasts of gold/cubic-foot sample of lodgment till)

Percent	Counts	Rock Types With Descriptions
5	7	Basalt, amygdaloidal, pale grey-green, white amygdules
3	4	Basalt, amygdaloidal, pale grey-green, pink amygdules
5	6	*Basalt, grey, some fracturing. Clasts are sub-rounded
1	1	Felsic volcanic with quartz-filled amygdules, fine grained
3	4	Diorite, subrounded clast, probable long distance transport
6	8	Syenite porphyry, pink to grey; six clasts are magnetic

Sample 57 (continued)

Percent	Counts	
1	1	*Syenite-derived tuff, pink to grey; Angular clasts
1	1	*Emerald green, probable mylonite
6	8	Chloritic tectonite
24	31	Sandstone, green-grey, fine grained. Some are tectonite.
13	17	Sandstone, yellow-brown weathering. Clasts are subrounded.
32	41	Sandstone, red weathering, clasts are angular to sub-angular.
100	129	

* Grouped together and assay at <1 ppb Au.

Sample E64 — 54 + 35E/18 + 50S RR Grid
(Ten clasts of gold/one cubic-foot volume of lodgment till)

Percent	Counts	Rock Types with Descriptions
1	2	Granitic to Metamorphosed, medium to coarse-grained
3	4	Vesicular basalt
4	5	Diorite
14	19	Sandstone, angular pieces, red colour, pyrite, carbonate
1	2	Gneissic gabbro, sheared; Long distance transported
54	75	Sandstone, mostly grey, with pyrite
9	13	Gabbro in rounded pebbles
5	7	Gabbro with pyroxene phenocrysts – angular
9	12	*Gabbro, five of the twelve are sheared, brecciated
100	139	

* Assay of the five sheared, brecciated gabbro pieces along with one fractured basalt, four veined, fractured sandstone, and one quartz-pebble gave 7 ppb Au.

Sample E71 — 55 + 75E/4 + 57N RR Grid
(Five clasts of gold/cubic-foot sample of lodgment till)

Percent	Counts	Rock Types With Descriptions
47	81	Basalt
5	9	Basalt, vesicular
11	18	Basalt, veined, brecciated. Assayed at 16 ppb Au.
5	8	Gabbro
6	11	Syenite-gabbro transition
6	10	Syenite
8	13	Jasper sandstone, Angular clasts
4	7	Sandstone, fractured, pyritic clasts are angular. Assayed at <1 ppb Au.
2	3	Vein quartz, hematite-rich. Assayed at <1 ppb Au.
2	3	Mafic gneiss, probably gabbro related
1	2	Felsic gneiss
3	5	Granitic rocks.
100	170	

Sample E77 — 36 + 90W/6 + 70N IP Grid
(six clasts of gold/cubic foot of lodgment till).

Percent	Counts	Rock Types With Descriptions
30	58	Basalt, fine-grained
10	19	*Basalt, veined, fractured. Clasts are tabular and angular
9	17	Gabbro
3	6	Magnetic gabbro
11	21	Gabbro, grey-green, altered by cross-hatched paler carbonate
2	4	Gabbro, altered, magnetic
2	3	Diorite
18	35	Granodiorite, pinkish, medium-grained
11	22	*Undetermined, pink-orange, pyritic fractures. Clasts are angular.
4	7	Intrusives, gneisses. Long transport
100	192	

Sample E80

34 + 75W/6 + 35S IP Grid
(Three clasts of gold/cubic-foot sample of lodgment till)

Percent	Counts	Rock Types With Descriptions
5	8	Basalt, amygdaloidal, black-green with white, zoned amygdules. Clasts are sub-rounded.
16	25	Basalt, grey, fine-grained, minor amygdules, rusty. Clasts are rounded to sub-rounded.
20	32	Diorite, white and black colours, medium-grained, clasts are sub-angular to sub-rounded.
7	11	Gabbro, distinctive plagioclase laths. Clasts are sub-angular to sub-rounded.
5	8	Magnetic gabbro; clasts are rounded to sub-rounded.
28	44	Gabbro, black-green, fractured, rusty, magnetic. Clasts are angular to sub-angular.
11	17	Sheared, fractured, mafic flows and gabbro with quartz veining, epidote. Clasts are tabular. Assays at 2 PPB Au.
3	5	Intrusives. Two are feldspar porphyry with chlorite vein, one is aplite.
5	8	Granodiorite with pink feldspars. Clasts are subangular.
100	158	

Sample E94

0 + 20W/3 + 15S RR Grid
(Nine clasts of gold/cubic foot sample of lodgment till)

Percent	Counts	Rock Types With Descriptions
2	4	Andesite, amygdaloidal, buff, quartz. Clasts are sub-angular
11	25	Diorite, magnetic with pink feldspars.
16	36	Diorite; twenty-seven are magnetic
12	26	Gabbro, dark green, fine to medium-grained. Six are magnetic.
4	9	Gabbro with protruding white feldspar phenocrysts; one is magnetic.
8	17	Gabbro, medium to coarse grained; Two are magnetic.
6	13	Diorites and gabbros, sheared and fractured. One is feldspar porphyry, one is hematitic, one is diorite, one is syenite contact. Assays as a group at <1 PPB Au.
33	76	Mafic intrusives, volcanics?, buff weathering, fine-grained, greyish. Assay at <1 PPB Au.
2	5	Syenite, buff to pink
4	10	Feldspar porphyry, pinkish. One is magnetic.
1	2	Aplite dyke
1	2	Granitic rocks.
100	225	

Sample E101 — 36 + 05W/4 + 90N RR Grid
(six clasts of gold/cubic foot sample of lodgment till).

Percent	Counts	Rock Types With Descriptions
47	96	Diorite, angular to sub-rounded clasts
36	73	Probably diorite, weathered, very rusty, fine-grained. Assays anomalous at 15 PPB.
5	10	Diorite, sheared, fractured, quartz-veined
2.5	5	Gabbro, clasts are sub-rounded.
0.5	1	Gabbro, magnetite rich
3	6	Gabbro-syenite transition, mottled green
0.5	1	Syenite
1.5	3	Basalt, dark green, fine-grained; clasts are sub-rounded
0.5	1	Quartz vein.
2	4	Felsic gneiss; Long distance transport
0.5	1	Basic gneiss; Long distance transport
1	2	Granitic rocks
100	203	

Sample E110 — 16 + 15W/7 + 50N RR Grid
(Forty-four clasts of gold/one cubic-foot of lodgment till)

Percent	Counts	Rock Types with Descriptions
1	1	Syenite
3	3	Gneiss, 1 felsic and 2 gabbro-related
6	7	Diorite-syenite transition
3	4	Diorite with fleshy feldspar
8	10	Fine grained gabbro-basalt with white feldspar phenocrysts
42	50	Fine grained basalt
18	22	Gabbro
2	2	Magnetite gabbro
8	10	Diorite
9	11	Fractured, veined, sheared gabbro and qtz-veined diorite together assay as E110 by FANA at 4 ppb Au.
100	120	

Sample E112 — 16 + 10W/1 + 50N RR Grid
(Ten clasts of gold/one cubic-foot of lodgment till)

Percent	Counts	
1	1	Sheared gneissic gabbro, long distance transport
3	4	Diorite with fleshy fledspars
19	23	Gabbro
3	4	Magnetite gabbro
1	1	Aplite

Table 6. (continued)

8	10	Sheared, fractured, silicified diorite, angular. Assays as E112 by FANA at 20 ppb Au.
34	41	Diorite to gabbro
31	38	Silicified diorite, difficult to identify
100	122	

RESULTS FOR DIAMOND EXPLORATION

Reference is made to the map in the Pocket at a scale of one inch to 400 feet, called "Diamond Indicat ors Tentatively Identified from Till Sampling for Gold".

The results and this Report on diamonds are preliminary, both because the processing of the till was for gold, not for diamonds, and the methods are different and because additional mineralogy laboratory checks are required to be definitive. They include specific gravity, index of refraction, and soft x-rays.

Kimberlite is a known host rock for diamonds. It was found by Lee in the bedrock of the Upper Canada Mine about 25 miles to the west of the Aza property following a trace-back method from esker (glacial) samples which carried pyrope garnet, and kimberlite fragments (Lee, 1968, GSC Paper 68-7, and Lee and Lawrence, GSC Paper 68-22). Boulders of kimberlite were found closer to the Aza Property at Larder Lake by Gerry Grabowski, OGS. (personal oral communication, 1985, and suite of boulders at Resident Geologist's office in Kirkland Lake).

Kimberlite bedrock diatremes will typically show a weak magnetic high in areas where other rocks are of low magnetic intensity. The typical shape and distribution of the diatremes is circular, about 150 feet across, and occurrence is fields or swarms.

The proton magnetics of the Aza Property can be used to search for those diatremes in the position of up-ice end of the pathfinder trains for diamonds. Unfortunately other rocks on the Aza property are more strongly magnetic. These are the syenites and gabbros and their magnetism will hamper any definitive re-construction.

If the preliminary search by drill core examination in the up-ice position overlying small circular magnetic highs is not rewarding in locating kimberlite, then a more thorough diamond exploration search will be needed.

Recommendation is made that mineralogy is first done on the suspected kimberlite, pathfinder, and diamond samples already held. Those sites which remain positive after this work is done should then undergo controlled detailed till sampling and diamond (gravitation) processing for pathfinders and directly for diamonds. These samples processed for diamonds can give quantitative results upon which direct drilling can follow.

Respectfully Submitted

Lee Geo-Indicators Limited

Hulbert A Lee

Hulbert A. Lee, Ph.D., P. Eng.

1985

GEOLOGICAL MAPPING ON AZA PROPERTY
McGARRY TOWNSHIP, ONTARIO
McGARRY RESOURCES INC.

R.J. ANDERSON: DETAILED MAPPING, 1985 OVER PARTS OF AZA PROPERTY, AUGUST

H.A. LEE: GEOLOGY OF THE NUMBER 2 STRIPPED AREA OF STUMP POND SITE, SEPTEMBER

Submitted and Supervised by
Exploration Managers
LEE GEO-INDICATORS LIMITED
94 Alexander Street, Box 68
Stittsville, Ontario, K0A 3G0
Telephone (613) 836-1419
February, 1986

1985

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February, 1986

DETAILED GEOLOGICAL MAPPING, 1985 OVER PARTS OF AZA PROPERTY, McGARRY TOWNSHIP, ONTARIO

On Behalf of

McGarry Resources Inc.

by

Robert J. Anderson, B.Sc. Hon.

August 1985

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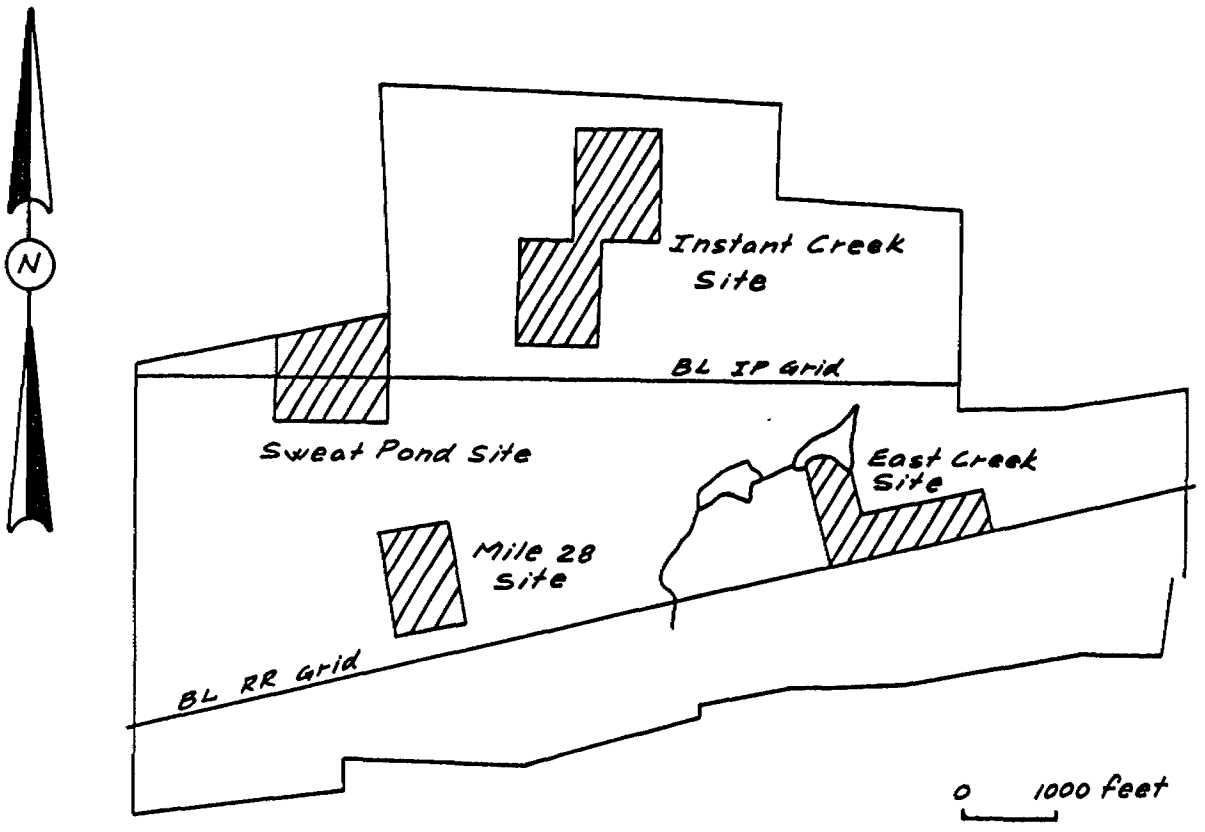

Figure 1: Location of detailed mapping sites on the AZA Property.

INTRODUCTION

The AZA property of the McGarry Gold Partnership Inc. is located in northeastern Ontario, 1-2 miles north of the community of Virginiatown.

During the months of July and August in 1985, parts of McGarry Gold's AZA property were geologically mapped in detail. The sites were chosen because of anomalous amounts of gold in lodgment till survey pits and because of significant geological features on the different sites. The sites chosen are indicated on Figure 1 and include the Sweat Pond Site, the Mile 28 Site, the East Creek Site and the Instant Creek Site.

A great deal of information from other surveys was used to write this report. Many of the surveys mentioned in the References should be examined while reading this volume. In particular the VLF, the magnetometer, the till and spruce needle duff surveys should be reviewed.

Previous years' work (Lee, 1983b, p. 20) has indicated there is a strong structural trend oriented between 130 and 140 degrees. The trend is called the S3 structure. The trend is represented on the AZA property by a family of airphoto lineaments, by quartz-tourmaline veins and fractures. All point to the Kerr Addison mine area to the southeast.

This trend has its focus along two main lineaments (black lines in Fig. 2) and everything in between has been affected. The cause of the structural lineaments seems to have controlled the position of emplacement for the intrusion of the fresh magnetic syenites and the emplacement of the magnetic gabbroic bodies. In an economic sense, could they also had a control on the emplacement of the Kerr Addison-Sheldon Larder orebodies, and gold zones within the AZA Property?

In this report an effort has been made to examine the effects of the S3 structure on the geology and gold mineralization on each site mapped.

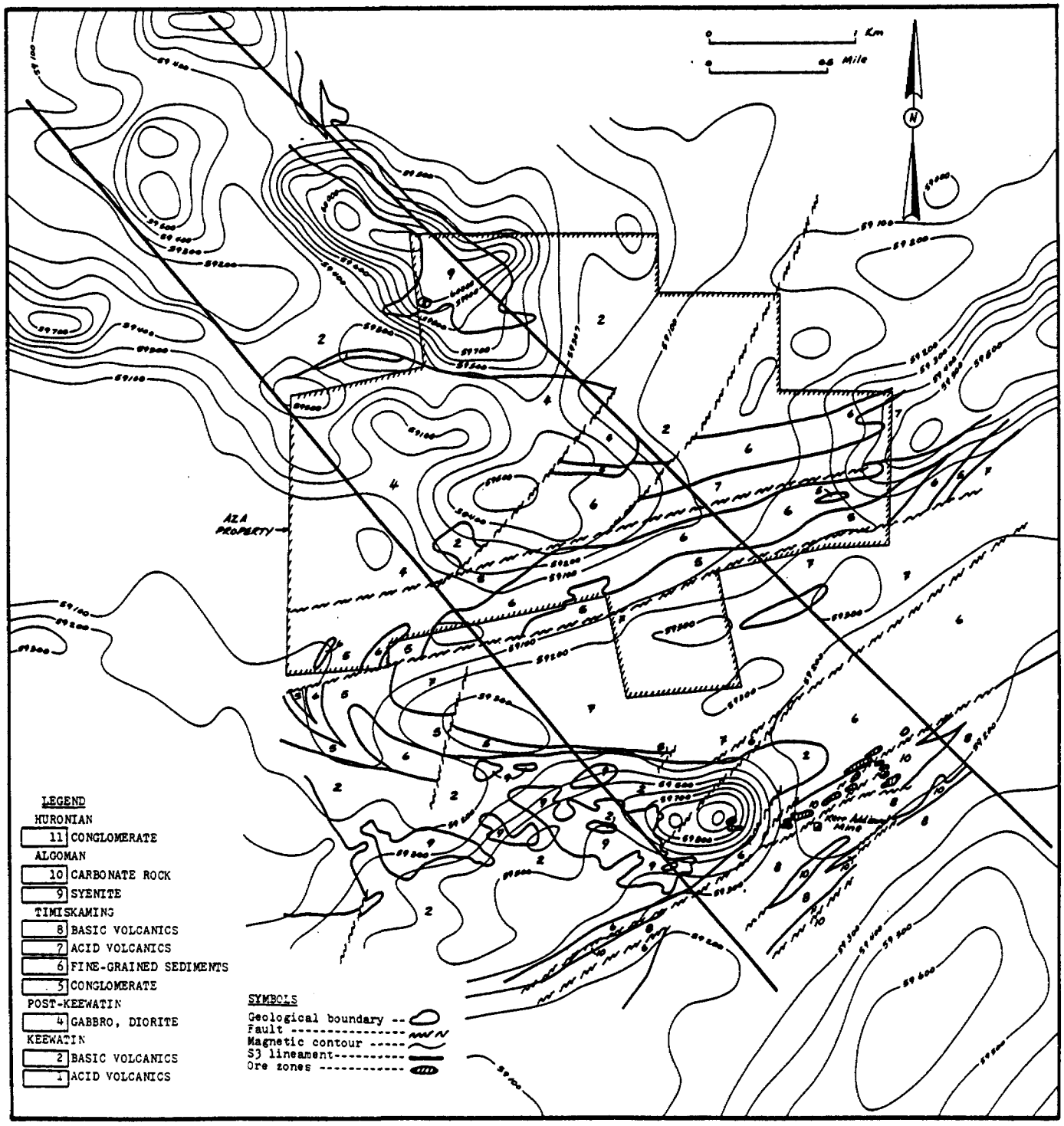

Figure 2: Showing McGarry Township geology and magnetics in relation to S3 lineaments. (Modified from Thomson, 1941 and O.G.S. Preliminary Map P2267.)

SWEAT POND SITE

Introduction

The Sweat Pond Site is located in the northwest corner of the AZA property (see Figure 1) and makes up part of the Instant Pond Grid. The site has been gridded by north-south cut lines at 200' intervals. The lines provide excellent control for all surveys.

Prior to the detailed geological survey several 1" to 400' scale surveys were run. Most have been replotted at 1" to 100' scale. The surveys include a geological survey, a VLF survey, a magnetometer survey and a detailed lodgment till survey for gold (see References). The detailed lodgment till survey was a follow-up to a property wide till survey that indicated anomalous amounts of gold in till in the Sweat Pond area.

The purpose of the detailed geological survey was to determine a possible source of gold at the site, and to provide a geological reference for a subsequent diamond drilling program.

Lithologies

Four main rock types were found at the site. These types are syenite porphyry, magnetite gabbro, gabbro and diorite. The last three display intermediaries between them and were also found to be heavily altered in some locales. The description of each of the rock types follows:

The syenite porphyry bodies (6c) occur as east-west oriented dike like bodies and are the youngest rocks on the site. This is particularly evident at 5+00N/40+00W where a syenite porphyry cuts across a magnetite gabbro ridge. The

dikes are usually flow foliated and slightly chilled near their margins. The syenite porphyry bodies are mostly red to pink, medium-grained potassium feldspar with phenocrysts of paler plagioclase and dark hornblende and no quartz. The mafic minerals were noted to be slightly chloritized. No sulphides were seen in the porphyries. At 37+00E/3+50S the syenite porphyry has very few phenocrysts. At 5+00N/40+00W the porphyry is magnetic. The magnetism may be a result of incorporation of magnetite from the surrounding rock into the dike.

The syenite porphyry is a relatively brittle rock compared to the surrounding basic intrusives and was probably differentially plucked by glaciation. The result is that the syenite likely underlies much of the lowlands of the site.

The magnetite gabbro (2e) outcrops in the northern part of the site and forms high rounded ridges. It is a dark green, medium-grained, equigranular rock composed of dark plagioclase, interlocking chloritized pyroxenes, up to 20% euhedral magnetite and minor amounts of pyrite and pyrrhotite.

The gabbro (2d) is similar to the magnetite gabboro but lacks the magnetite. This unit forms an east-west band south of the magnetite gabbro. Also mapped is a slightly magnetic transitional unit (2a-2d) between the gabbro and the magnetite gabbro. It is believed that the three form a large differentiated batholith. The magnetite gabbro was a late fractionate from the gabbroic batholith.

The diorite (2a) trends to outcrop in the southern half of the Sweat Pond site. It is called a diorite on the basis of field criteria. It is a medium-grained, massive, equigranular and relatively leucocratic rock. It has less than 40% mafic minerals which are mostly chloritic pyroxenes. Minor amounts of pyrrhotite and pyrite are present in the diorite and there is some evidence of magnetite but the diorite is not magnetic. A trace of bornite was seen at 36+50W/1+50S.

Minor amounts of what was interpreted to be a transitional unit between the gabbro and diorite were mapped (2a-2d). This rock has 40% or more mafic minerals but the plagioclase is quite pale giving the rock more of a dioritic appearance.

Alteration

Traces of leucoxene were found in some gabbro outcrops and the diorite outcrops. These outcrops were mapped as leucoxene gabbro (2f). The leucoxene was produced as a result of the alteration of titaniferous magnetite. The alteration probably indicates the presence of a nearby shear zone, for example at 46+50W/4+00S.

Much of the diorite appears carbonatized. This alteration produced a mottled, medium-green rock with poorly defined crystal boundaries. This carbonatization was also accompanied by fine quartz-carbonate veining and chloritization of mafic minerals. It was often difficult to distinguish a transition between a carbonatized diorite and a fresh diorite in the field. Where a "fresh" diorite was found it is noted on the map by the symbol nCa.

A distinctive fracture type was noted within parts of the Sweat Pond site. The fractures are curved and covered with a thin coating of hematite and they usually occur in relatively fresh gabbros and diorites. These fractures may have allowed fluids into the rock that produced the carbonatization seen in other areas of the site. The fractures also produced distinctive banana-shaped till stones found in the lodgment till.

Structure and Correlation With Other Surveys

The geological survey and the topography coupled with the geophysics provides data for interpreting structures on the grid.

First, the magnetometer survey suggests the general trend of the rocks to be oriented east-west. The magnetite gabbro is a distinctive magnetic high in the northern part of the site. The magnetic high in the southwestern part of the site is not explained. It may be that this part of the diorite is slightly magnetic. Altered magnetite (leucoxene) was found in diorite at 46+50W/4+00S and a less altered part of the diorite may be nearby.

Second, there are many vertical or near vertical joints on the site oriented at 310 to 320 degrees. These represent the S3 structure noted previously that runs southeast to Kerr Addison mine. The S3 structure does not appear to have changed the orientation of rock units on the site.

Third, most of the other fractures noted can be related to large shears within the site. The VLF survey is very helpful in delineating these major water-filled, hence conducting, shear zones. For example, the shear at 37+00W/2+00N can be tied to the conductor and swamp that runs from 36+00W/400N to 32+00W/5+25N. The shear at 37+00W/6+50S is related to the lowlands and conductor that runs from 36+00W/4+30S to 28+00W/2+50S and the joint at 41+75W/6+75S is tied to the swamp and the conductor that runs west from that point to 48+00W/4+00S. Each of these shears would then have its own subjugate set of joints.

A poor energizing angle and poor survey line spacing would account for the lack of conductors along lines 34W and 38W corresponding to shears oriented at 25 to 50 degrees. These shears are suggested by the lowlands and adjacent fracturing.

The conductor running along the baseline at the west end of the site is not explained. The source of the conductor should have been found in the outcrops at 42+00W/0+50N but no bedrock feature was discovered to explain the anomalous VLF response. However, there is shearing with carbonate veining along strike near 36+00W on the baseline.

Sources for Gold

The big problem is to hypothesize a source of gold in lodgment till at the site from the results of the geological survey. Three facts are important in hypothesizing a source. First, while most of the rock types found in the till stones were found on the site, one exception was a fine-grained hematitic, very weathered, possibly volcanic rock with many fine fractures. These stones may actually be the end product of heavily carbonatized diorites ripped from the shear zones on the site. This assumes the shears are the source of the carbonatization. The second fact is that other than the carbonatization and the fracturing, there is nothing particularly distinctive about the rocks at the Sweat Site compared to the rest of the AZA property. Third, the gold trains appear to terminate or grow weaker at some determined structural feature at the site. For example, one train appears to originate at 44+00W/3+00S. The other train gets stronger after crossing the baseline at 36W. A logical conclusion from these three facts is that the gold is coming from roughly east-west fractures in carbonatized diorite. A diamond drilling program should be planned to test this possibility. See Figure 3 for the inferred locations of the sources of gold.

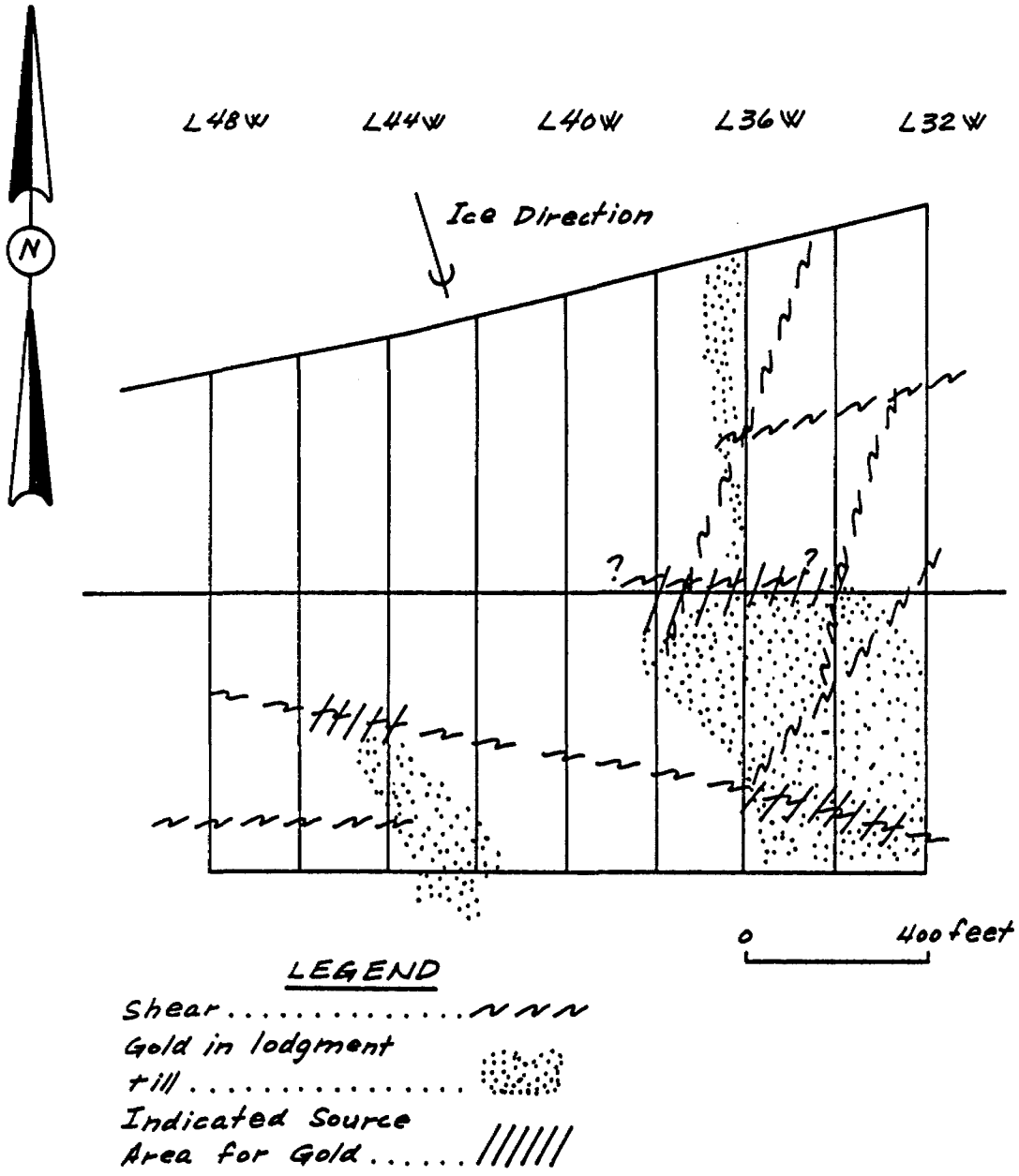

Figure 3: The Sweat Pond Site showing structural features and gold trains in lodgment till.

MILE 28 SITE

Introduction

This site is located near the western edge of the property at the mile 28 marker on the Ontario Northland Railway (see Figure 1).

Prior to the detailed geological survey, several 1" to 400' scale surveys were run. These included a proton magnetometer survey, a VLF survey and a geological survey (see references). A detailed survey of the amount of gold in spruce needle duff was also completed just prior to the detailed geological survey. The site has been gridded by cut lines at 200' or 400' intervals. The lines were in poor condition and provide poor control for the surveys.

The intention of the surveys was to follow-up on two anomalous till pits, D704 and D611 with 20 and 15 pieces of gold respectively. No lithological source information was derived from the till pits but experience and the up-ice cut-off of the till train would indicate the source of the gold would be within 800 to 1000 feet to the north.

The purpose of the detailed geological survey was to provide a framework for interpreting the spruce needle duff survey and to provide geological control for a subsequent diamond driling program. The author feels these objectives were met with limited success. In order to map geology effectively it is necessary to find rock outcops. Unfortunately, visibility was often reduced to five feet due to thick bush over most of the site. It may be encessary to re-map the site in early spring or late fall when there is less foilage.

Lithologies

Two rock types were identified on the site. The most common was a magnetite gabbro. Usually dark green, medium-grained and equigranular, the magnetite gabbro has up to 20%, black, disseminated, 1/8", grains of magnetite. Pyroxenes are often chloritized. There is also minor epidotization of the feldspar. Pyrrhotite with pyrite is common throughout the rock and occurs as blebs and makes up to 5% of the rock. The magnetite gabbro can easily be traced using a magnetometer as an aid.

The other rock type found was called a diorite. This name was based on field criteria. The rock is medium-grained, equigranular and essentially more leucocratic than the gabbro as it contains less than 40% mafic minerals. It occurs as a zone at the east-central part of the site. The pyroxenes are usually chloritized and the rock is generally pyritic. The diorite at this site appears to be fractured by fine joints oriented at a variety of angles. The diorite is also non-magnetic.

Structures and Correlation With Other Surveys

The geological survey and the topography coupled with the geophysics provides data for interpretation of structures on the grid.

First, the magnetometer survey indicates the site is underlain by a series of interlayered magnetic and non-magnetic bodies oriented at 60 to 70 degrees. This orientation may be enhanced by the north-south orientation of the survey lines.

Second, a set of near vertical joints was noted throughout the site with an orientation between 310 and 320 degrees. This set is the S3 structure mentioned

previously. The Mile 28 Site is close to the western lineament running north from the Kerr Addison mine and it is not suprising to find some expression of it on the site. The magnetometer survey also shows a boundary of a magnetic unit occurring at 10+00N/3+00E with approximately this orientation. The western S3 lineament may be controlling the emplacement of the magnetite gabbro.

Third, a quartz-carbonate-serpentine vein at 10+00N/3+35W with the orientation of 206/41 is parallel to a swampy lowland to the east and parallel to the orientation of outcrops in the area. The magnetometer survey also indicates a structural break coinciding with the swampy lowland. A shear is likely underlying the swamp and the quartz-carbonate-serpentine vein is part of the stockwork related to the shear.

Fourth, the VLF survey shows an east-west conductor in a lowland centred at 12+00N/6+00E. This could be a water filled shear. This shear along with the shear oriented at 030 degrees could account for the fractured nature of the diorite outcrops to the north. The shear oriented at 030 degrees is poorly energized by the VLF station used but likely accounts for the other conductors indicated by the VLF survey.

Figure 4 summarizes the main structural features.

Sources of Gold

The spruce needle duff sampling indicates some isolated gold anomalies around the quartz-carbonate-serpentine vein at 10+00N/3+35W. These anomalies should be tested by diamond drilling.

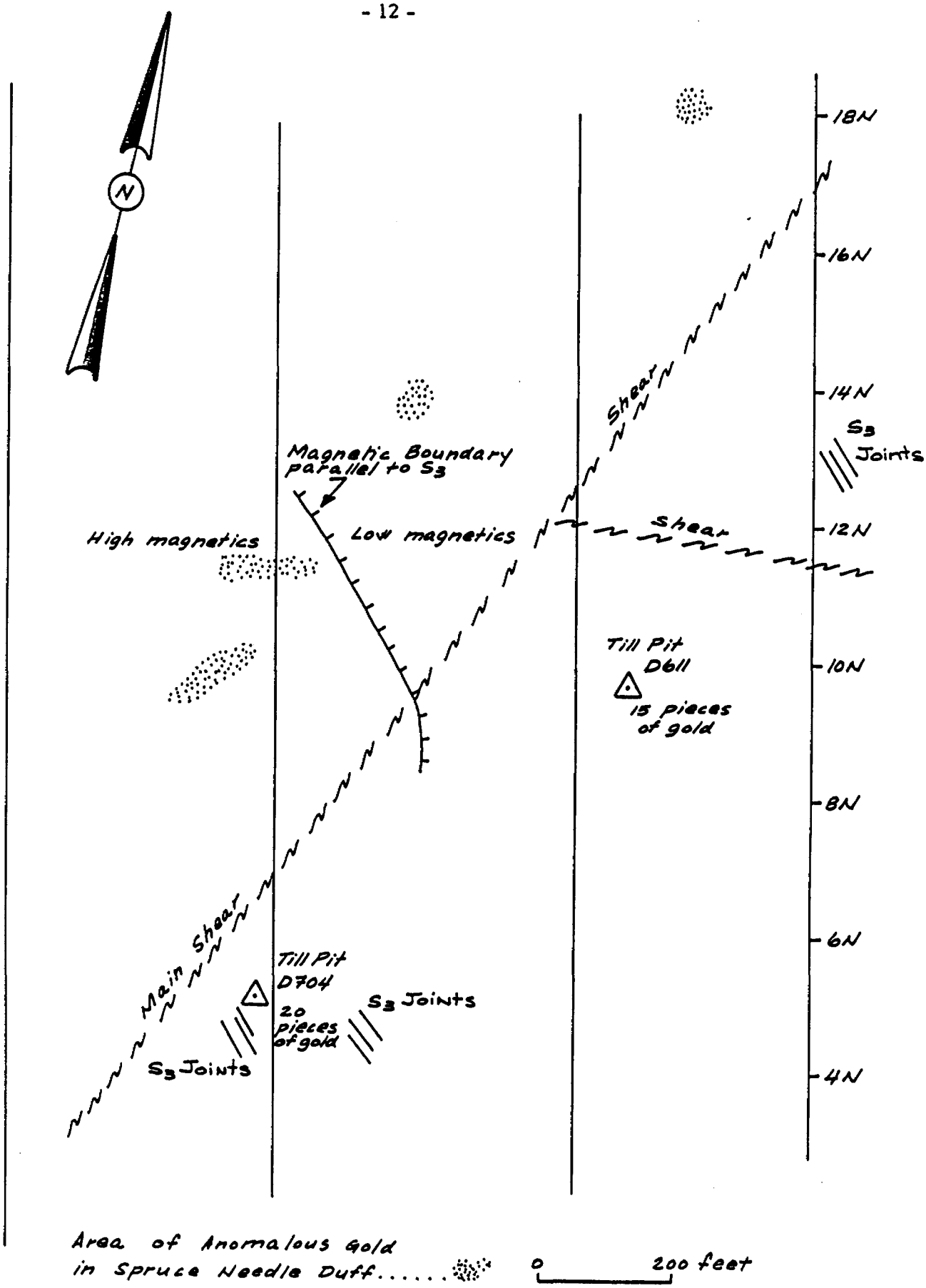

Figure 4: Mile 28 Site structural features.

Also worth testing is the main shear going from southwest to northeast. The reasons for testing are as follows: First, the spruce needle survey did not cover main shear area due to lack of spruce trees. Second, the veining associated with the known anomalies may be only part of the stockwork of the main shear. Finally, the location of the anomalous till pits suggests the main shear is a possible source of gold. It is for these reasons that the main shear should be tested for gold by diamond drilling.

EAST CREEK SITE

Introduction

The East Creek Site is located along the Ontario Northland Railway at the mile 29 marker and makes up part of the Railway Grid. The site has been gridded by cut lines at 200' intervals. The lines provide adequate control for surveys.

The site was chosen for detailed work because the rocks are along strike from known gold mineralization at the Stump Pond Site. The site is also at the intersection between the Virginiatown Fault and the eastern lineament that runs at roughly 130 degrees southeast to the Kerr Addison Mine.

Prior to the detailed geological survey several 1" to 400' surveys were run. Most have been replotted at 1" to 100' scale. The surveys include a geological survey, a VLF survey, a magnetometer survey and a gold in lodgment till survey. Just prior to the detailed survey a detailed gold in spruce needle survey was run over part of the East Creek Site.

The purpose of the detailed geological survey was to determine a possible source for gold in the spruce needle duff and some lodgment till pits. The survey

was also intended to provide geological reference for a subsequent diamond drilling program. Lines 54E to 64E were mapped in order to geologically tie the main East Creek Site area of interest, lines 66E to 76E, to the Stump Pond Site.

Lithologies

Five main rock types were identified at the site. Their descriptions are as follows:

The first rock type identified, jasper sandstone (5a, 5b), is a green, medium-grained, equigranular rock with minor flecks of jasper. It is composed of angular grains of mostly feldspar and some quartz in a matrix of ferro-dolomite. The ferro-dolomite weathers a distinctive orange and the percentages of matrix can be estimated from weathered surfaces and mapped. Minor, 1", scattered yellow or grey mudchips were also seen. Pyrite occurs as medium-grained disseminations ro in sedimentary bands. This banding is evident at 55+80E/8+75N. The usual amount of pyrite is around 5%. Minor amounts of interstitial sericite were also seen. The jasper sandstone occurs in the northern portions of the East Creek Site.

The second rock type identified, grey sandstone (11b), is similar to jasper sandstone but lacks the jasper flecks and the green colour. It was mapped only at 59+50E/4+00N.

The third type, altered sandstone, is dark-green to grey, well-foliated, medium-grained and chloritic. The main minerals of the rock are angular quartz, feldspar and chlorite. Pyrite to 2%, occurs as medium disseminations. Minor scattered mudchips were also seen in this unit. Bands of 1" to 2", yellow, yellow-green and grey mudchips (11a) were sometimes seen in the altered grey sandstone.

There is some debate as to whether there is a tuffaceous component to the altered sandstone. Thomson in his 1941 McGarry Township map shows the area covered by this unit as a trachytic tuff. Only one outcrop was identified by this author as syenite tuff (7a). This was at 55+50E/1+50N where clasts of syenite, up to 2", occur in minor bands in the sandstone. Even with clasts this size the sandstone is so heavily altered it is difficult to determine if the clasts are pyroclasts or cobbles. This is particularly true when they are lying beside 2" mudchips. It has been reported the tuffaceous component is magnetic (Burkhart and Miron, 1984). None of the altered sandstone on the East Creek Site was found to be magnetic.

The fourth type of rock identified is almost a tectonite (10-11alt). It is essentially a very chloritic, altered sandstone so strongly foliated that it takes on a shaley appearance. It is black, medium-grained, very friable and lacks pyrite. This unit was seen at 54+50E/4+30N and 71+00E/4+50N.

To summarize, the previous four rock types are believed to be different tectonic facies of the jasper sandstone unit. This interpretation is based on structures seen primarily in drill core elsewhere on the AZA property. On the East Creek Site it can be seen that the chlorite content and degree of foliation increases as one approaches the Virginia Town Fault or some other shear zone. The jasper sandstone itself, is interpreted to be a deltaic deposit with periodic deposition of mudchips from the break-up of back-reef playa lake deposits during flood conditions.

The last rock type identified (6c), is the syenite porphyry. This appears as late isolated intrusive bodies poking up through the sediments. They are composed of pink, medium-grained feldspar with paler, subhedral, zoned phenocrysts of

feldspar. The rock is often seen to be "attacked" by fine, white flecks of dolomite and is slightly calcareous. There are large quartz veins associated with the syenites that have been trenched by prospectors. Burkhart and Miron report samples taken from these pits in 1984 contain little or no gold.

There is usually about 15% mafic minerals in the syenite but at 66+00E/4+00N pyroxene reaches 30% and is mapped as a pyroxene syenite (6a).

The syenite at 72+00E/50N was found to be slightly magnetic.

Structure and Correlation With Other Surveys

The geological sruvey and the topography coupled with the geophysics provides data for interpretation of structures. These features are summarized in Figure 5.

The general trend of rocks at the site is indicated by the magnetometer survey to be primarily at 075 degrees. This agrees with an observed bedding orientation of 076 degrees and 44° south dip at 54+00E/3+00N. However, the bedding is not conformable to the strong foliation oriented at roughly 045° and 60° south dip.

The magnetometer survey indicates a feature oriented parallel to the foliation. It runs from 62+00E/1+00N to 72+00E/6+25N with a 200', right-handed offset that runs parallel to the bedding at 66+00E/3+00N. This is probably a shear in sediments. The shear, called the Cabin Fault, wraps around slightly magnetic units. These are likely the more competent and magnetic syenite porphyry bodies. There is also a strong magnetic anomaly extending along the baseline which may be a strongly magnetic gabbro or syenite introducing up the Virginiatown Fault.

The VLF survey shows a strong conductor underlying the baseline. This feature corresponds to the water-saturated Virginiatown Fault. The conductors indicated by the VLF survey correspond to swampy lowland areas that are probably underlain by shears parallel to the Virginiatown Fault.

Few measurements of joints parallel to the S1 structure were taken on the East Creek Site. These are near vertical joints oriented at 310 to 320 degrees. The eastern lineament that runs southeast to the Kerr Addison mine does not seem to have effected the geology at the East Creek Site very much.

Sources of Gold

One of the ojbectives of the geological survey was to suggest sources of gold found in the lodgment will and the spruce needle duff. Before proposing a source we should review some of the till and the needle duff data. First, only one till pit, E71, had much gold, 5 pieces, and this pit does not lie within the area covered by the spruce needle duff survey. Pits within or down ice, from the spruce needle duff survey area, do not show any anomalous gold. Definite gold anomalies were found in the spruce needle duff. The till survey and the spruce needle duff survey appear to be in conflict with each other.

Actually, the spacing of till pits around the spruce needle duff area is rather poor and a gold train may have slipped through between the till pits. The gold in the spruce needle duff may be coming from depth and not from the bedrock surface which is the usual source of gold in till surveys. The surveys may not be as in conflict as they first seemed.

Several sources of gold can be suggested. First, the gold in the E71 pit may be coming from a known till anomaly to the northwest, just south of Stump Pond.

A spruce needle duff survey should be done within a few hundred feet up-ice from the pit to make sure there is no local source.

Second, the Cabin Fault has anomalous gold in overlying spruce needles where the fault wraps around the syenite porphyry bodies. In fact the syenites themselves have some gold associated with them. Both features should be tested by diamond drilling.

Third, the Cabin Fault features lead one to conclude there are gold bearing, magnetic, syenites that are producing the gold anomalies in the spruce needle duff along the baseline. The gold anomaly along the baseline may be the result of pollution from the railway track ballast. However, it is believed the railway is not old enough to produce so strong a geochemical anomaly.

A diamond drilling program should be designed to test for possible gold in the Cabin Fault, in its related syenites and in possible syenite intrusions along the Virginiatown Fault.

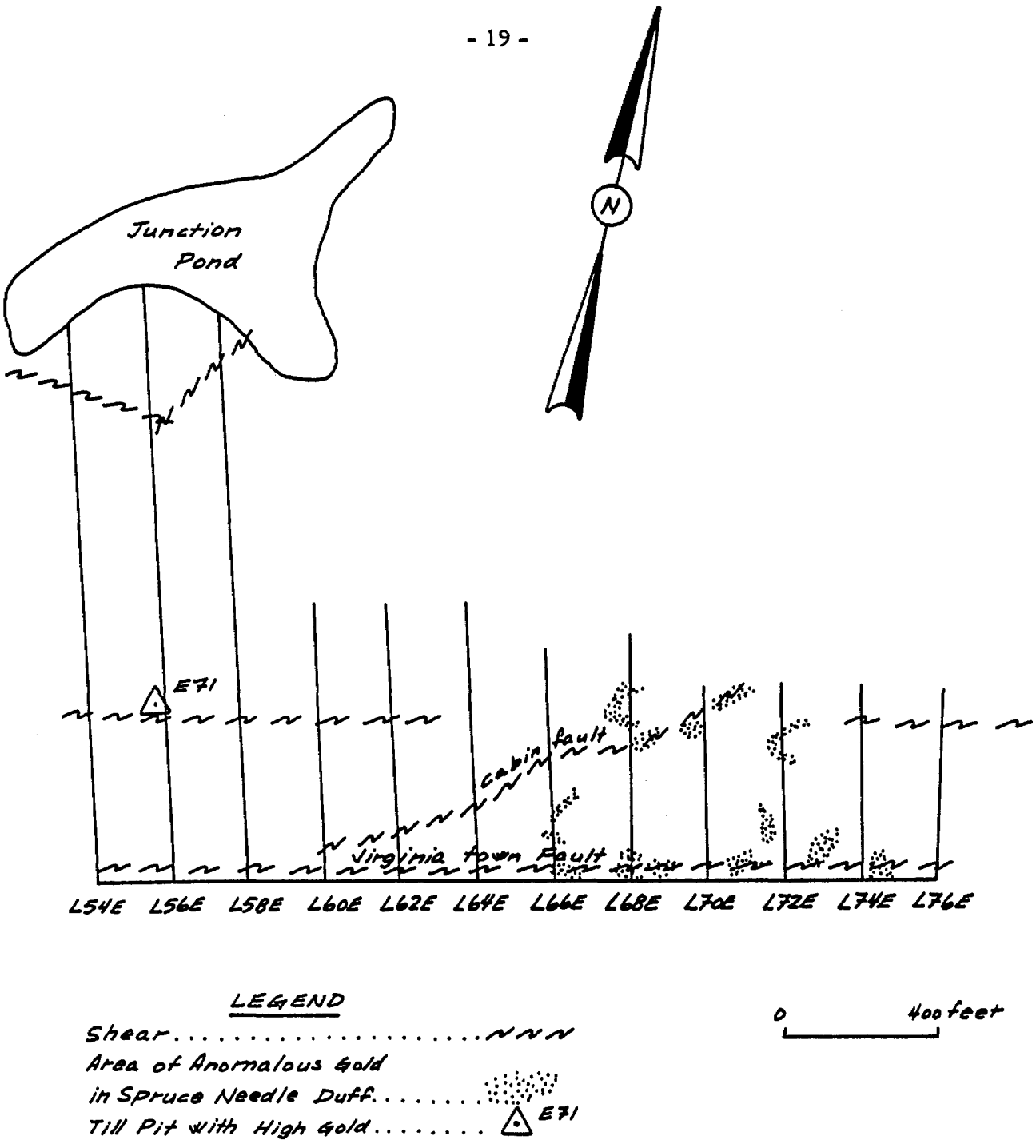

Figure 5: Summary of structural features and gold anomalies of the East Creek Site.

INSTANT CREEK SITE

Introduction

The Instant Creek Site is located in the north-central part of the AZA property and makes up part of the Instant Pond Grid. It is also on the intersection between the Instant Creek shear and the eastern lineament that runs southeast to the Kerr Addison mine area. The site has been gridded by roughly north-south cut lines at 200' intervals. The lines provide adequate control for surveys.

Prior to the detailed geological survey several 1" to 400' surveys were run. Most have been replotted at 1" to 100' scale. The surveys include a geological survey, a VLF survey, a magnetometer survey and a gold in lodgment till survey. Just prior to the detailed survey a detailed gold in spruce needle duff survey was run over part of the grid mapped.

The site was chosen because lodgment till pits E12 and E22 had 8 and 12 pieces of gold respectively. Both pits are located directly down-ice from the Instant Creek shear.

The purpose of the detailed geological survey was to determine a possible source for gold in the spruce needle duff and the lodgment till pits. The survey was also intended to provide geological reference for a subsequent diamond drilling program.

Lithologies

Three main rock types were identified at the Instant Creek Site. Their description are as follows:

The first rock type are tholeiitic bodies, either massive flows or pillowed flows. Burkhart in his 1984 report gives an excellent description of this rock type. He describes it as "blackish green aphanitic, pillowed, usually strongly magnetic (1a), to medium greenish-grey homogeneous fine-grained, usually non-magnetic rock with indistinct grain boundaries (1b). Pillow selvages are thin, usually less than 1". Interflow or flow-top breccias separating the fine-grained flows are a few inches to three feet thick. Thin quartz veining and minor pyrite grains are present in both types, primarily in fractures." The tholeiites occur all over the Instant Pond site.

The second rock type identified occur as syenite porphyry bodies (6c). These appear as late, isolated, intrusive bodies poking up through the volcanics. They are composed of pink, medium-grained feldspar with paler, subhedral, zoned phenocrysts of feldspar of mafics. Minor disseminations of pyrite were also seen.

The third rock type identified seemed to be a transitional rock between the basalt and the syenite (6T). It is dark, medium-grained, equigranular and composed mostly of pink to pale green feldspars. Burkhart says this rock is "known as Leopard Rock in the Kirkland Lake area." (Burkhart and Miron, 1984). It is found in only one locale on the site, around 8+00W/7+00N.

Structure and Correlation With Other Surveys

The geological survey and the topography coupled with the geophysics allow some observations and interpretations of structures on the grid. These features are summarized in Figure 6.

Measurements of the pillows indicate the tops are to the north and beds are oriented at 265° and dip 45°S 7+00W/16+50N.

While few fractures were measured that correspond to the S3 structure some outcrops and topographic features have been affected by some form of control with a direction between 310 and 320 degrees. For example the small creek at 1+00W/17+00N and the outcrops at 1+00W/13+00N are both oriented at 320 degrees.

The most pronounced shear on the site is the Instant Creek shear that runs southwest to northeast across the site. It is accompanied by a quartz vein stockwork identified at 6+50W/13+20N. A joint at 9+50W/9+25N indicates slippage is almost directly down-dip at 140 degrees.

The VLF data is difficult to interpret in structural terms. There is a definite break in the conductors which corresponds to the Instant Creek fault. However, there is not enough density of data to say very much more. For example, it is possible to draw in a conductor extending from 12+00W/26+00N southeast to 0+00/15+00N that corresponds directly to a main lineament that extends to the Kerr Addison mine area but this would involve cutting across other structural features including the Instant Creek fault. More VLF work needs to be done to delineate this possible shear.

The conductor that runs across the northern part of the site has a coincident magnetic anomaly and could be a disseminated sulphide zone.

Sources of Gold

Till sample pits indicate the Instant Creek fault is a likely source for gold and should be tested by a diamond drilling program directly up-ice from the pits.

The gold in spruce needle duff anomalies are not very large compared to other sites and can be grouped into north and south sub-areas (see Figure 6). No direct cause of the anomalies was seen in bedrock but most are within 500 feet and to the east of the Instant Creek fault. The northern group is clearly associated with the conductor running east-west across the top of the site and this provides an excellent target for a diamond drilling program. The other anomalies, to the southwest, should be tested in conjunction with the testing of the Instant Creek fault.

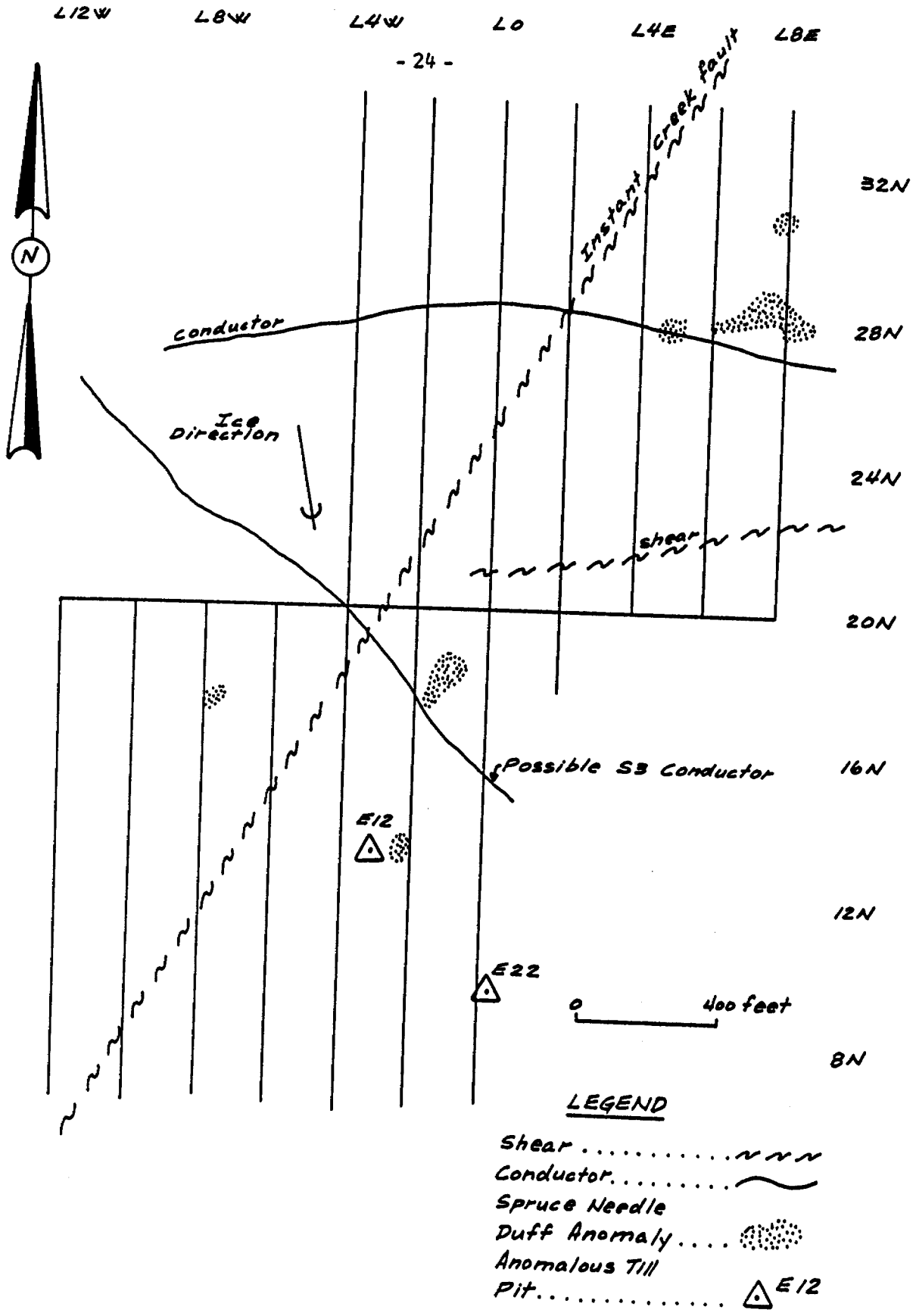

Figure 6: Instant Creek Site showing structural features and anomalous gold survey locations.

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GEOLOGY OF THE NUMBER 2 STRIPPED AREA OF STUMP POND SITE

AZA PROPERTY, McGARRY TOWNSHIP, ONTARIO

On Behalf of

McGarry Resources Inc.

By

Hulbert A. Lee

September 1985

GEOLOGY OF THE NUMBER 2 STRIPPED AREA OF STUMP POND SITE

Reference is made to the 1 inch to 50 foot map in the Pocket shown as "Geology of the number 2 stripped area" and the accompanying vertical profile.

The early bedrock mapping of this region was done by Thomson (1941) at a scale of 1 inch to 1000 feet. Although a good outcrop map, the later three dimensional data and analyses makes it in need of much revision.

Following the recognition in 1980 by Lee of two major intersecting structures, one trending north-northwest, as S_3, as a possible control for the Kerr Addison – Sheldon Larder gold orebodies, and the second structure parallel to these ore bodies the S_2, a decision was made to test the north-northwest structure for gold.

The S_3 structure is recognized on the Aza Property by fracture joints and low cliffs pervasively in the rocks with a trend of 300° to 320°. At the northern edge of the property, the S_3 is co-incident with the Mulven Lake syenite which is strongly magnetic. Across most of the property the S_3 is marked by a magnetic high and shows clearly on the proton magnetic maps. Some of this high is known to be due to magnetite gabbros, but some of it reflects unknown causes at depth. It is possible, but not yet confirmed, that the Mulven Lake type syenite continues farther south towards the Kerr Addison Mine at considerable depth.

The second and presumably younger S_2 Structure is about 200 feet wide and has a northerly trend of about 049° azimuth. An old pit and an old shaft were found by Lee while mapping at a semi-detailed level near the place where the two structures S_3 and S_2 meet. Some chalcopyrite, quartz veins, shearing, and green fuchsite are seen in these bedrock pits but the gold assays did not show above trace levels.

In early 1983 and early 1984 diamond drilling was done to intersect the S_2 structure near the old workings and from this drilling a three dimensional story began to emerge to explain this structure.

The area was stripped in late 1984, then surveyed by transit – The Lockwood Survey – in early 1985, and then later in September 1985 it was followed by this geology mapping.

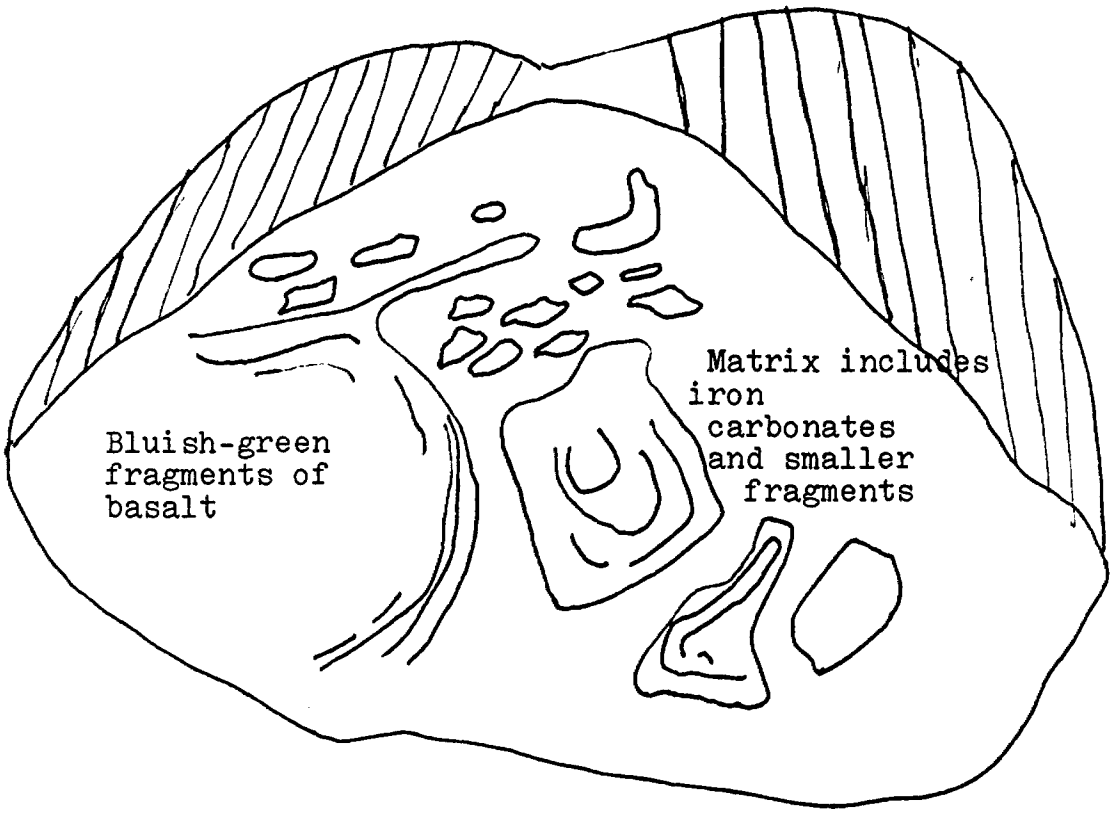
This surface mapping and tie-in with the drill holes display a strong fissure zone striking about 049° azimuth and it is near vertical. The drill holes 83-5 and 84-52 have good intersections at depth with the fissure, and the strongest central fissure zone shows up in outcrop (See map and section in Pocket).

The earliest emplaced rocks are the basalts. They are of a rather unusual bluish-green colour altered by dykes or veinlets of serpentine and locally showing coarser-grained magnetic crystals (magnetite-ilmenite-hematite), and/or pyroxene that has gone over to chlorite, and/or coarser veinlets of pyrrhotite.

To the south and against the basalts are the younger jasper sandstone and siltstone which have low angle beds that dip to the south.

Some movement may have taken place along with some thermal heating along the S_3 lineament, possibly, with the emplacement of the Mulven Lake syenite. This, possibly, triggered the development of the S_2 fissure.

The fissure zone has penetrated the sandstones and siltstones and has brought in alteration products of pink hematite, pink carbonate with triple the normal amounts of the elements of Mg and Ca and Fe_2O_3 as compared to the "syenite" porphyries of the Kirkland Lake Camp (See Table 1). Previous mapping by Lee (1983) and Thomson (1941) applied names to these alterations as syenite and



STRUCTURES IN BASALT AS SEEN IN AN ERRATIC BOULDER 5 FEET BY 5 FEET ALONG DRILL ROAD NORTHEAST END OF STUMP POND. The bluish-green colour is typical of the serpentine mafics in outcrop in no. 2 stripped area. The rock resembles in the boulder "flow-top breccia" and "scoriaceous lava". It is the aa lava made up of jagged blocks developed when flowing lava below the surface breaks up the upper crust.

trachyte, but the three dimensional mapping emphasizes the importance of alteration fluids. Where the alteration products pushed up along chimneys through the basalt, they digested most of it and formed in the country rock an outer shell, with a circular rim of epidote. (See the outcrop shown at the eastern edge of the stripped area.) Locally in the sandstone and siltstone and again along the main fissure, the rocks show in outcrop with higher magnesium alteration and enrichment in pyrite. In the rythmite siltstones, chips had been broken off, then bleached and enriched in yellow chert and very fine mica. The pink rocks themselves are sheared, show strong enrichment in MgO, CaO, Fe_2O_3 and are very different from the Kirkland Lake "syenite" porphyries (see Table 1).

The "syenite" porphyries on the Aza Property compared to the Kirkland Lake "syenite" porphyries show SiO_2 lower (51.39 cf 63.2); TiO_2 about the same at 0.59 for both; Al_2O_3 is slightly lower (12.81 cf 15.0); Fe_2O_3 is much higher (6.35 cf 2.6); MgO is much higher (5.82 cf 1.84); CaO is much higher (6.57 cf 2.9); K_2O is lower (2.33 cf 3.6); and Na_2O is much lower (2.44 cf 4.8).

Iron and sulphur fluids must have effused into the sandstones near the fissures and crystallized into what is now found as pyrite and chalcopyrite.

In the more brittle rocks of sandstone and along the contact zone with the basalt, the fissures must have remained open as they are now infilled with vein quartz.

At depth, the pink rock chimneys open outwards into broader zones of leucoxene mafics now with exsolution lamellae after titaniferous magnetite-ilmenite-hematite.

As yet gold has not been found in the central core of the fissure except for trace levels in the pink alteration rock. Towards the northern edge of the fissure

Table 1. Comparison of the chemical composition of the AZA Property "Syenite" Porphyries to the Kirkland Lake Syenite Porphyries

	AZA Property, "Syenite" Porphyries												Kirkland Lake "Syenite" Porphyries		
	6869	6870	6740	6741	6742	6743	6744	6745	6565	6566	6567	Range	n = 11 $\bar{x}$	Range	n = 14 $\bar{x}$
SiO_2	53.77	47.58	51.77	50.55	51.35	52.24	51.24	51.55	51.95	51.97	51.29	47.58 to 53.77	51.39	57.4 to 65.9	63.2
TiO_2	0.54	0.63	0.61	0.62	0.61	0.60	0.61	0.58	0.57	0.56	0.55	0.54 to 0.62	0.59	0.33 to 0.99	0.59
Al_2O_3	12.60	11.72	13.34	13.34	13.29	12.71	13.41	13.42	12.29	12.34	12.42	11.72 to 13.42	12.81	13.8 to 18.8	15.0
Fe_2O_3	5.81	7.14	6.37	6.18	6.41	6.44	6.42	6.09	6.36	6.31	6.29	5.81 to 7.14	6.35	1.3 to 4.6	2.6
MgO	5.26	8.07	5.67	5.38	5.53	5.35	5.73	5.03	6.21	5.79	6.00	5.26 to 8.07	5.82	1.2 to 3.6	1.8
CaO	5.82	7.93	6.41	7.19	6.57	6.49	6.58	7.02	5.89	6.08	6.28	5.82 to 7.93	6.57	2.0 to 4.2	2.9
K_2O	2.20	1.35	2.21	3.54	1.80	1.72	1.89	3.01	2.56	2.71	2.64	1.35 to 3.54	2.33	2.6 to 2.8	3.6
Na_2O	3.26	1.94	2.42	0.76	2.59	3.10	2.84	1.24	2.94	2.98	2.82	0.76 to 3.26	2.44	3.3 to 5.6	4.8

6869 to 6567 Plasma induction analyses by Chemex Labs., Vancouver
Kirkland Lake Results after Kerrich and Watson, 1984.

band, the siltstones assay at 1.7 grams per tonne gold and in an environment with some similiarity to the Carlin-type gold deposit as described by Hausen (1985).

The broadest zone of pink alteration is just off the eastern edge of the plan map but shows in the section of drill hole 83-3 in the Pocket. It is of interest that a sheared green tectonite is just north of this broad zone, and that the lodgment till shows gold trains stretching south from it. Diamond drilling is recommended to locate the source of gold in bedrock up-ice from the head of gold trains in lodgment till.

Submitted:

Hulbert A. Lee, Ph.D., P.Eng.

Hulbert A Lee

Lee Geo-Indicators Limited

Stittsville, Ontario

K0A 3GO

September 1985

REFERENCES CITED

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1985

GEOCHEMISTRY AND GEOPHYSICS ON AZA PROPERTY
McGARRY TOWNSHIP, ONTARIO
McGARRY RESOURCES INC.

S.A. SCOTT: BIOGEOCHEMICAL SURVEY FOR GOLD, JULY

P. BERUBE: MAGNETIC AND VLF-EM SURVEYS, MAY

R. MEIKLE: SUMMARY OF (PARTIAL) GEOPHYSICAL SURVEYS, NOVEMBER

Submitted and Supervised by
Exploration Managers
LEE GEO-INDICATORS LIMITED
94 Alexander Street, Box 68
Stittsville, Ontario, K0A 3G0
Telephone (613) 836-1419
February, 1986

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BIOGEOCHEMICAL SURVEY FOR GOLD
AZA PROPERTY
McGARRY TOWNSHIP, ONTARIO
1985

on behalf of
McGARRY GOLD PARTNERSHIP

by
Susan A. Scott, M.Sc., FGAC

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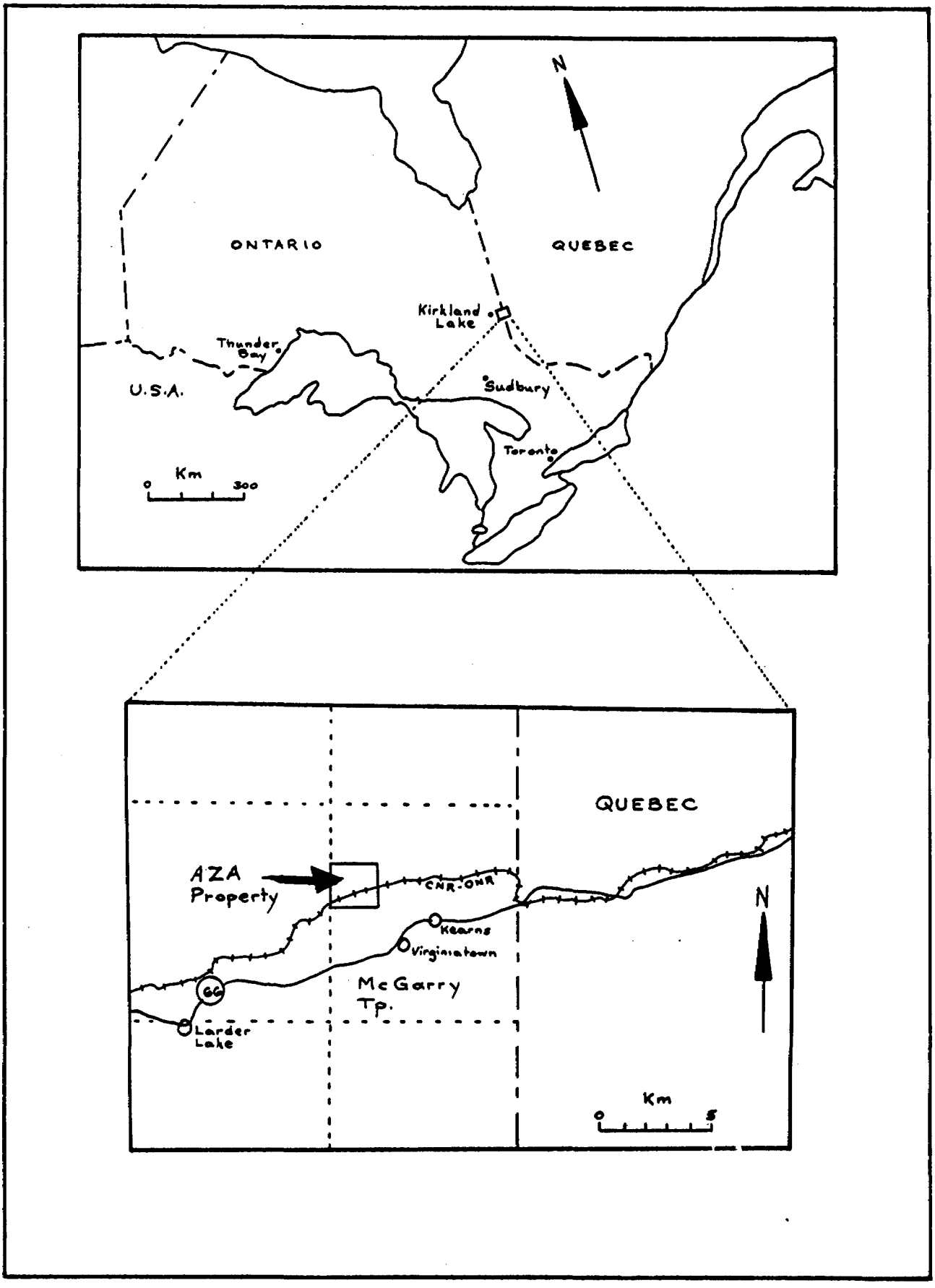


Figure 1 : Property location map

1. SUMMARY

A biogeochemical survey using spruce needle duff was performed on three portions of the AZA property of McGarry Gold Partnership during May and June, 1985.

In all, 851 points were sampled at 50 foot spacings. Samples were analyzed for gold by direct neutron activation.

Results show a number of significant gold anomalies in each area. Maximum values in Areas A, B and C are 55 ppb, 9 ppb and 13 ppb respectively.

Prospecting and mapping have been recommended for the anomalous areas where outcrop is near or present. Geophysical surveys are indicated to delineate fault or shear zones that may be gold-bearing. Drilling has been recommended in cases where follow-up results are encouraging.

2. INTRODUCTION

A biogeochemical survey was performed during May and June of 1985 by Susan A. Scott, Consultant, on three portions of the AZA Property, McGarry Township, Ontario held by McGarry Gold Partnership. Operators of the project, Lee Geo-Indicators Limited, were represented on site by Dr. H. A. Lee, who provided technical contact. The survey was commissioned by McGarry Gold Partnership of Winnipeg, Manitoba.

The purpose of the survey was to locate gold-bearing zones in bedrock lying beneath extensive swamp and glacial overburden, and to delineate targets for diamond drilling.

The property is located near the west boundary of McGarry Township, northwest of Virginiatown, and lies across the main CNR-ONR railway line in the area (Figure 1). Access is possible by a lumber company road running north from Virginiatown. Areas surveyed in 1985 are shown in Figure 2.

Sample collection was completed between May 14 and June 20, 1985 by S. A. Scott, assisted by S. Robertson.

Analyses for gold were performed using the direct neutron activation method by Nuclear Activation Services Limited of Hamilton, Ontario, under the direction of Dr. Eric L. Hoffman.

Contouring of data, interpretation and report were done by S. A. Scott, Consultant.

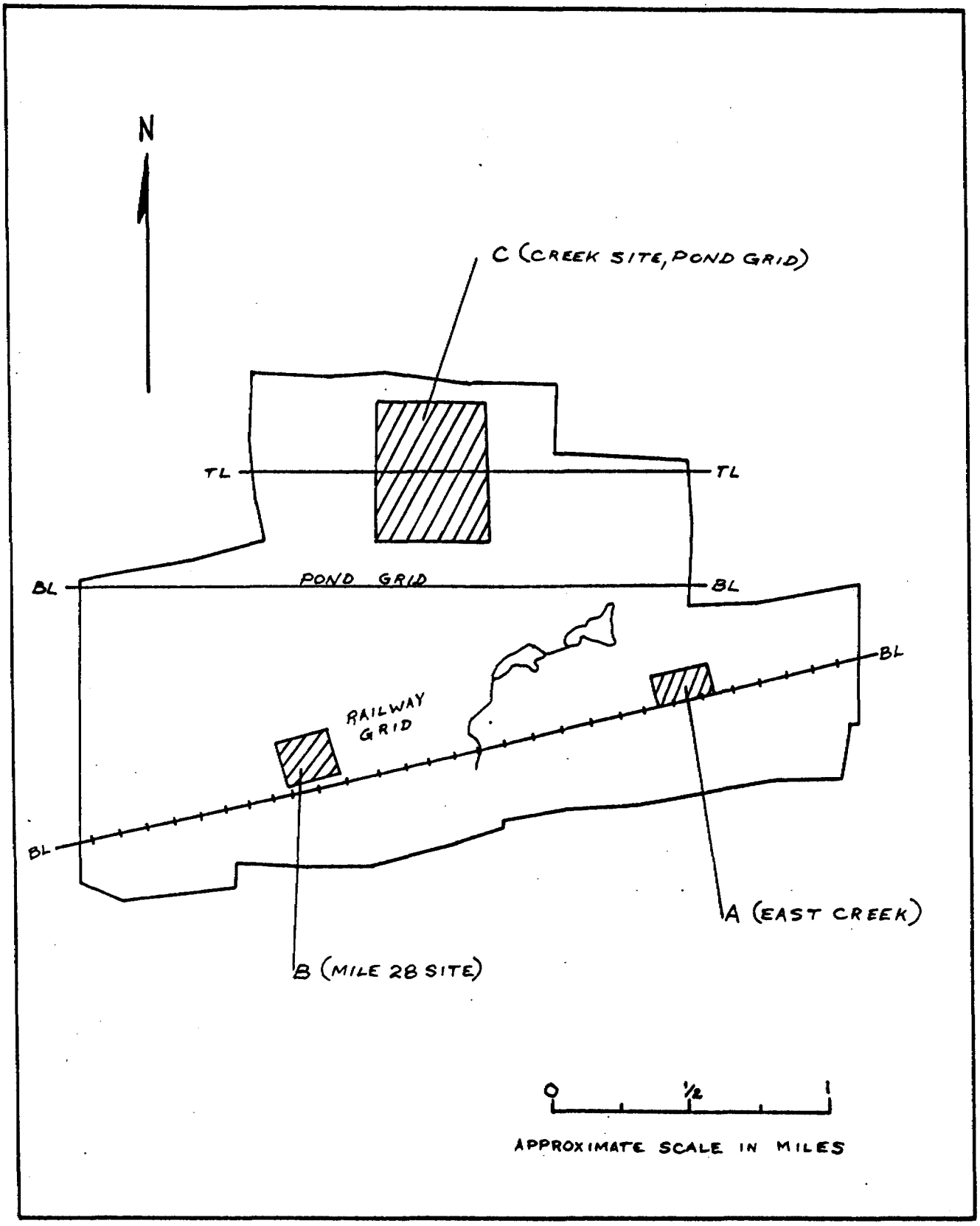


Figure 2 : AZA Property areas surveyed 1985

3. SAMPLING PROCEDURE

The material sampled was spruce needle duff -- the dead but un-decomposed needle mat accumulated directly beneath the tree. Samples were collected in light cloth mesh bags (approximately 6 x 15 cm.) to about half fill the bag, and were then air-dried. After drying, all samples were sorted and cleaned by hand to remove foreign leaves, twigs, etc.

A total of 851 points were sampled at approximately 50-foot centres, using 200-foot spaced grid lines for orientation. Sample locations were flagged, numbered and chained in to the lines.

At one sample point (#1026), a large volume of material was collected and used to make replicate samples, which were inserted at random intervals in the sample series. Eighteen replicate samples were made up, so that the total number of analyses initially was 869.

Table 1 shows the three areas surveyed along with the number of samples collected from each.

TABLE 1

Target Area	Sample Points	Replicates	Analyses
A: East Creek Site, RR Grid	191	5	196
B: Mile 28 Site, RR Grid	162	4	166
C: Creek Site, Pond Grid	498	9	506 (1 I.S.)
TOTALS	851	18	868

Sample locations for the three target areas, A, B and C are presented in figures 3a, b, and c respectively.

4. ANALYTICAL METHOD

A previous biogeochemical survey on the property (Scott, 1984*) compared three analytical methods and determined that the direct neutron activation method produced superior results for this type of survey. At that time, silver and arsenic were analyzed in addition to gold, and it was concluded that the gold results alone are sufficient to delineate gold-enriched target zones.

In the direct neutron activation method, samples were macerated, homogenized, and 8 g. of material was pressed into a briquette. Sample briquettes were then irradiated and left to decay for approximately 10 days, after which they were counted for gold. Detection limit was 1 ppb. Au.

Plotted and contoured analytical values for Targets A, B and C are presented as figures 4a, 4b and 4c respectively. Analytical values are included as Appendix A.

Basic statistical analysis was performed on the 3 sets of data. These consisted of calculation of mean and standard deviation, a relative frequency histogram, log cumulative frequency plot and log probability plot. These are presented in Appendix B.

*Biogeochemical Survey for Gold, AZA Property, McGarry Township, Ontario (Company Report)

5. RESULTS

5.1 General

The three survey areas contained varied terrain - varying within each area as well as from one to the other. Background gold levels were also extremely variable (Figs. 4a, b, c).

Area A (East Creek) showed a relatively high background of 18 ppb Au. Along the railroad baseline this area consists of spruce/tamarack swamp. The ground rises steadily to the north, where sparse outcrop is found. A northeast-flowing creek borders the area on the east. The gold level and anomaly pattern adjacent to the railway in Area A show similarity to the area surveyed in 1984, which lies along the same track to the west.

By contrast, Areas B and C show much lower levels of gold, with mean values around 2 to 3 ppb.

Area B (Mile 28 Site) consists of a north to northeast trending alder swamp bounded on the west by high, north-trending ridges of gabbroic rock, some highly magnetic. The alder swamp and intermediate terrain of predominatly poplar and birch resulted in sparse sampling in some portions of Area B. Anomalous values of 6 ppb. and higher occur on the east flank of the ridge system.

Area C terrain (Creek Site, Pond Grid) included a large central area of beaver meadow and alder swamp that were sparsely sampled. In the south, a prominent northeast-trending ridge of diorite (?) is strongly anomalous in gold. In the north, a low ridge trending east-west, parallel to and just north of the access road is also anomalous. Values of 6 ppb. or greater were considered anomalous.

5.2 Discussion: Area A (East Creek)

Examination of the histogram for this data set (Appendix B) and comparison with the biogeochemical gold map (Figure 4a) leads to the suggestion that there are two sample populations. One set is produced from spruce/tamarack swampy ground along the railway baseline, while the other is from the higher and drier areas north of 2 + 00N.

Original Ontario Government mapping of McGarry Township shows a major fault zone along the low ground followed by the present railway. A series of five gold anomalies that extends northeast from the railway may represent gold-bearing splays off this major fault. In the 1984 survey area to the west, the same type of pattern was found.

The strongest of these are designated A-1, A-2, and A-3 in Figure 4a, and have highs of 49, 46 and 55 ppb Au respectively. These are very significant and well-supported anomalies. Anomaly A-1 can be seen to lie on strike with two slightly weaker anomalies, A-5 and A-6. Anomaly A-6 itself appears to strike northwest, but it lies on the edge of the survey area and is open to the northeast.

One more anomaly, designated A-4, is within a zone of high values, and displays the common northeast trend.

The northeast-flowing creek that borders the area on the east coincides with a VLF trend (VLF survey, 1984). These may represent another fault branching off the main zone. Two gold anomalies at (74+50E/0+50N) and (75+00E/1+30N) are open to the east, and suggest that this creek fault could also be gold-bearing.

A VLF anomaly in the vicinity of (76+00E/3+50N) coincides with a tag alder swamp, and with low gold values.

5.3 Discussion: Area B (Mile 28 Site)

The data set for this area has a mean of 2.73 ppb Au, and a standard deviation of 1.58 ppb (Appendix B). The relative frequency histogram shows a standard lognormal distribution representative of a single population. Anomalous values are taken to be 6 ppb or greater (M + 2SD).

Gold anomalies in this area have been designated "B-n", and are discussed below in detail (Fig 4c).

B-1 (12N, 0+00W), B-1' (10N,1W)

This anomaly lies on the east flank of an outcrop ridge, and appears to show the effect of drainage down the slope. Anomaly B-1' probably has a related or common source with B-1. It should be noted that the higher ridge above these to the west shows elevated (but not anomalous) gold values.

These two anomalies lie directly up-ice from basal till sample D704, at 700 and 500 feet respectively.

B-2 (4+70N, 0+90W), B-2' (4+10N, 0+80E)

These anomalies are located on the east flank of a magnetic gabbro outcrop hill. B-2' may represent an accumulation by drainage at the base of the steeper rock slope.

B-3 (18+80N, 6+30E)

This anomaly is a point on the edge of the survey area, but it is supported by two elevated values. It lies on the west side near the head of a clay-filled valley that becomes tag-alder swamp not far to the south.

B-4 (14+80N, 4+40E)

This anomaly is well-supported by elevated gold values, and lies off the east flank of an outcrop area. B-3 and B-4 are up-ice from basal till sample D611, at 900 and 500 feet respectively. This fact tends to confirm that the bedrock in these locations is gold-bearing.

B-5 (13+50N, 3+40E) (measured from L2E)

This anomaly lies on the east-facing slope of a clay-filled valley, approximately 100 feet west of the edge of an alder swamp. It is supported by surrounding elevated values.

General

Physiographically, anomalies B-2', B-3, B-4 and B-5 lie in the same relative position, i.e. on the east-facing clay slope of a common valley, with alder swamp in the trough. The valley strikes approximately N 10°E in the northern part of the target area, swinging to N12°W in the southern portion. B-1, B-1' and B-2 are on bedrock of similar type overlooking the valley.

A fault zone striking N10°E was noted on the property geology map (1"=400') approximately 300 feet north of the target area. The observed valley and swamp may be the expression of an extension of this fault, or of a related one. A detailed mapping programme may uncover evidence for faulting in the observed valley. Such a fault zone, especially with a flexure point providing an area of low pressure, could be a locus for gold deposition. This is strongly suggested by the distribution of gold biogeochemical anomalies within the target area.

Another interpretation might be that the gabbro ridges themselves are gold-bearing, and the flank anomalies are simply produced by drainage off the ridges

5.4 Discussion: Area C (Creek Site, Pond Grid)

This population has a mean of 2.26 ppb Au, and a standard deviation of 1.61 ppb (Appendix B). The relative frequency histogram shows the standard lognormal distribution representative of a single population. Anomalous values are taken to be 6 ppb or greater (M+2SD).

There are two single-point anomalies in the target area -- one at (24N/2W) and one at (29+50N/8E). These have been disregarded in the discussion as possibly spurious values.

Significant gold anomalies in the area have been designated "C-n", and are discussed below in detail.

C-1 (15+10N/10+10W)

This is the strongest anomaly in the survey area, and is located on a northeasterly-striking ridge of diorite. It is strongly supported by elevated values, and the high of 13 ppb Au is the maximum for the area. The entire ridge, which extends to the northeast as far as the drill road, shows a series of elevated, if not anomalous values.

C-2 (28N/4+90E), C-3 (27+60N/8+50E)

This is a strong and well-defined trend which coincides with a VLF anomaly and with a tongue of calc-alkali basalt (?) within massive tholeiitic basalt (1984 mapping). These anomalies lie 450 feet up-ice from basal till sample E25 (5 Au). Outcrop is at or near surface at the east end, but may be more deeply buried at the west end.

C-4 (13+60N/2+50W)

This anomaly lies at the edge of dense hazel brush, down-slope from an outcrop area. The anomaly consists of two high values, but is open to the north, where sample material was not available.

C-5 (17+50N/0+70W)

This anomaly appears to be associated with two raised outcrop (?) areas. It may also be along strike with anomaly C-4, a strike direction also displayed by the beaver pond/ creek valley immediately to the west.

A VLF high lies almost between these two anomalies. If the VLF contouring were not apparently biased in an E-W direction, a trend in the NE-SW direction would be seen in this vicinity. A NE-SW trend would be a better match to the surficial conditions observed.

C-6 (31+00N/8+00E)

This area and two gold-enriched sample sites to the west define an east-west trend parallel to (C-2, C-3) and approximately 300 feet north. While not as strong in gold values as (C-2, C-3), the C-6 trend does suggest a possible structural relationship between the trends such as parallel shears or fault zones. Outcrop is believed to be sparse in the C-6 area.

6. SAMPLE CHECKS AND REPLICATES

Nineteen replicate samples were analyzed. Eighteen of these were re-irradiated and re-analyzed to check their values. Table 2 shows sample numbers and gold values for the replicates. The check result sheets are included at the end of Appendix A.

TABLE 2

Sample #	ppb Au (1)	ppb Au (2)
A		
1026	10	9
1035	9	8
1106	8	8
1132	7	7
1175	9	8
1196	6	6
B		
1197	6	6
1256	12	12
1333	7	8
1362	9	9
C		
1393	3	-
1450	5	5
1499	3	5
1543	6	5
1617	4	5
1693	4	4
1795	7	7
1845	7	8
1869	7	7

The mean values for groups A, B and C are 8.17, 8.50 and 5.11 ppb respectively, and the overall mean is 6.79 ppb Au (using initial values). The first and second sets of analytical values differ very little from one another, but the mean for group C is considerably lower than that for group A or group B.

It must therefore be concluded that the analyses are of high precision, but that the replicate sample lacked homogeneity. It is not understood why this should be so, since the material was carefully mixed before use.

Another use of the replicate sample procedure was fully demonstrated by the discovery of an error in result tabulation, which would not otherwise have been noticed.

Nine other samples were re-irradiated and re-analyzed in order to check precision of values at the higher and lower end. These results are presented as Table 3, and the sample sheets are included with Appendix B.

TABLE 3

Sample #	ppb Au (1)	ppb Au (2)
1146	32	32
1148	40	40
1150	55	55
1178	32	31
1638	13	12
1643	7	6
1644	6	5
1699	10	9
1843	3	3

From these checks, it can be seen the reproducibility of results is excellent.

7. CONCLUSIONS AND RECOMMENDATIONS

This survey of three separate areas within the AZA property has produced a number of strong and encouraging gold anomalies. The geology as known is different in the three areas, and this fact is borne out by different controls evidenced in the gold anomalies.

7.1 Area A (East Creek)

The control in the vicinity of the railroad appears to be structural; suggested splay faults may extend across the entire target area as well, since most strike directions are parallel.

Prospecting and trenching are recommended for anomalies A-4, A-5 and A-6. Overburden is expected to be deep and wet at A-1, A-2, A-3 and the East Creek anomaly, and drilling perpendicular to the observed trend is recommended.

7.2 Area B (Mile 28 Site)

The control for gold anomalies in this area may be lithologic, i.e. the gabbro which forms prominent ridges may be enriched in gold. This possibility should be investigated by prospecting and sampling in the vicinity of all anomalies. Trenching may be indicated in some locations.

At the same time, the possibility of a fault-controlled zone immediately east of the gabbro should be investigated by careful mapping of this area and its northward extension. An IP survey would be useful in outlining a possible fault zone. Detailed VLF may be helpful also; either survey should be done on lines perpendicular to and crossing the suspected fault zone. The present grid is not suitable for this purpose.

7.3 Area C (Creek Site, Pond Grid)

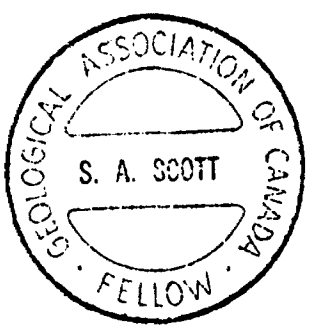
The controls in this area are not well understood. Detailed mapping should be undertaken in the anomalous areas to help resolve this problem.

At C-1, outcrop is strongly in evidence, and the rock should be sampled and prospected, followed by drilling if results are encouraging. Gold values appear to originate in the intrusive diorite (?).

At C-3, outcrop appears to be near surface for prospecting or trenching, but appears to be more deeply buried at C-2, the western portion of the trend. The corresponding VLF trend may indicate a gold-bearing structure, rather than lithology. Depending on indications from mapping, a geophysical survey (detailed VLF or IP) may be useful in delineating a structure.

The area around C-4 should be prospected, especially up-slope toward outcrop.

The outcrop(?) areas around C-5 should be prospected, trenched and sampled to identify the rock type and/or structure responsible for the gold enrichment. A detailed VLF survey on lines perpendicular to the observed north-easterly (C-4,C-5) trend would aid in delineation, especially if prospecting results are encouraging. If the presence of a gold-bearing structure here can be established, drilling should follow.



Respectfully submitted,

Susan A Scott, M.Sc., FGAC
Consultant

8. STATEMENT OF QUALIFICATIONS

8.1 I, Susan A.Scott of Calgary, Alberta do certify that I am a Consultant Geologist with office at 1950 - 13th Street S. W.

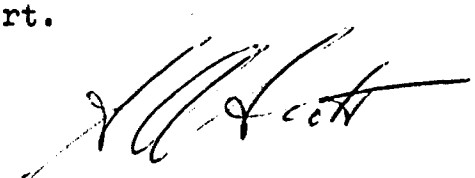
8.2 I graduated with a B.Sc. in Geological Sciences from University of Toronto in 1965. I obtained an M.Sc. in Geology (Geochemistry) from McGill University in 1969.

8.3 I have practised my profession continuously since graduation, with the exception of 1971-73.

8.4 I am a Fellow of the Geological Association of Canada, and a Member of the Society of Exploration Geochemists.

8.5 I have no interest in McGarry Gold Partnership, nor do I expect to receive or acquire any such interest in the future.

8.6 I personally supervised in the field the survey described in this report.



Susan A. Scott

APPENDIX A

NUCLEAR ACTIVATION SERVICES LIMITED

1280 MAIN STREET WEST, HAMILTON, ONTARIO L8S 4K1

PHONE (416) 522-5666 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO:

ATTN: S. A. SCOTT
1524 - 33 AVE S.W.
CALGARY, ALBERTA
T2T 1Y3

CUSTOMER NO. 330

DATE SUBMITTED
29-MAY-85

REPORT: 0

FILE NUMBER: 5704

196 UNPREPARED SAMPLES

WERE ANALYZED AS FOLLOWS:

ELEMENTS	UNITS	DETECTION LIMIT
AU	PPB	1.0000

COMMENTS:

STATS PACKAGE WILL FOLLOW

TARGET A
(EAST CREEK)
("R" IS REPLICATE SAMPLE)

DATE 14-JUN-85

NUCLEAR ACTIVATION SERVICES LIMITED

CERTIFIED BY .....

*** UNLESS INSTRUCTED OTHERWISE WE WILL DISCARD ALL SAMPLES ***
REJECTED SAMPLES AFTER 30 DAYS. ANY OTHER MATERIAL AFTER 180 DAYS.

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 14-JUN-85 REPORT: 0 FILE NUMBER: 5704 PAGE: 1

SAMPLE	AU PPB	
[redacted]01	36	
1002	33	
[redacted]03	24	
[redacted]04	16	
1005	27	
1006	49	
[redacted]07	41	
[redacted]08	23	
1009	29	
[redacted]10	17	
[redacted]11	31	
1012	27	
1013	16	
[redacted]14	15	
[redacted]15	21	
1016	20	
[redacted]17	15	
[redacted]18	22	
1019	24	
[redacted]20	17	
[redacted]21	10	
[redacted]22	15	
[redacted]23	11	
[redacted]24	25	
[redacted]25	21	
1026	10	R
[redacted]27	15	
[redacted]29	17	
[redacted]30	21	
[redacted]30	32	
[redacted]31	14	
[redacted]32	11	
[redacted]33	37	
[redacted]34	26	
[redacted]35	9	R
[redacted]36	20	
[redacted]37	15	
[redacted]38	19	
[redacted]39	20	
[redacted]40	22	
[redacted]41	6	
[redacted]42	23	
[redacted]43	8	
[redacted]44	17	
[redacted]45	10	

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 14-JUN-85 REPORT: 0 FILE NUMBER: 5704 PAGE: 2

SAMPLE	AU PPB
[redacted]46	21
1047	26
[redacted]48	27
[redacted]49	13
1050	12
1051	14
[redacted]52	11
[redacted]53	15
1054	19
[redacted]55	11
[redacted]56	12
1057	15
[redacted]58	14
[redacted]59	15
[redacted]60	14
1061	16
[redacted]62	11
[redacted]63	22
1064	18
[redacted]65	15
[redacted]66	40
[redacted]67	40
[redacted]68	14
[redacted]69	28
[redacted]70	19
1071	33
[redacted]72	7
[redacted]73	25
[redacted]74	29
[redacted]75	20
[redacted]76	44
[redacted]77	29
[redacted]78	32
[redacted]79	20
[redacted]80	46
[redacted]81	25
[redacted]82	11
[redacted]83	13
[redacted]84	29
[redacted]85	13
[redacted]86	13
[redacted]87	22
[redacted]88	12
[redacted]89	25
[redacted]90	24

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 14-JUN-85 REPORT: 0 FILE NUMBER: 5704 PAGE: 3

SAMPLE	AU PPB	
[redacted]91	13	
1092	22	
[redacted]93	20	
[redacted]94	15	
1095	18	
1096	10	
[redacted]97	22	
[redacted]98	8	
1099	20	
[redacted]00	16	
[redacted]01	15	
1102	12	
1103	29	
[redacted]04	22	
[redacted]05	22	
1106	(8)	R
[redacted]07	26	
[redacted]08	26	
1109	34	
[redacted]10	22	
[redacted]11	30	
[redacted]12	10	
1113	13	
[redacted]14	10	
[redacted]15	12	
1116	9	
[redacted]17	10	
[redacted]18	12	
[redacted]19	20	
1120	10	
[redacted]21	23	
[redacted]22	14	
1123	14	
[redacted]24	10	
[redacted]25	39	
1126	26	
[redacted]27	13	
[redacted]28	27	
[redacted]29	10	
1130	25	
[redacted]31	14	
[redacted]32	(7)	R
[redacted]33	28	
1134	19	
[redacted]35	18	

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 14-JUN-85 REPORT: 0 FILE NUMBER: 5704 PAGE: 4

SAMPLE	AU PPB
[redacted]36	19
1137	28
[redacted]38	31
[redacted]39	14
1140	23
1141	28
[redacted]42	18
[redacted]43	22
1144	28
[redacted]45	22
[redacted]46	32
1147	12
1148	40
[redacted]49	13
1150	55
1151	35
[redacted]52	42
[redacted]53	29
1154	25
[redacted]55	16
[redacted]56	26
1157	23
1158	29
[redacted]59	7
[redacted]60	35
1161	24
[redacted]62	20
[redacted]63	12
1164	24
1165	21
[redacted]66	13
[redacted]67	6
1168	18
[redacted]69	11
[redacted]70	10
1171	6
1172	7
[redacted]73	11
[redacted]74	16
1175	(9) R
[redacted]76	12
[redacted]77	12
1178	32
1179	17
[redacted]80	22

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 14-JUN-85 REPORT: 0 FILE NUMBER: 5704 PAGE: 3

SAMPLE	AU PPB
1181	15
1182	24
1183	12
1184	11
1185	11
1186	18
1187	29
1188	19
1189	13
1190	15
1191	14
1192	17
1193	19
1194	14
1195	12
1196	6 R

NUCLEAR ACTIVATION SERVICES LIMITED

1280 MAIN STREET WEST, HAMILTON, ONTARIO, L8S 4K1

PHONE (416) 522-5666 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO:

ATTN: S.A. SCOTT
1524 - 33 AVE S.W.
CALGARY, ALBERTA
T2T 1Y3

CUSTOMER NO. 330/01/01

DATE SUBMITTED
09-JUL-85

REPORT: 4176

FILE NUMBER: 5777

166 SAMPLES

WERE ANALYZED AS FOLLOWS:

LEMENTS	DETECTION LIMIT	UNITS	METHOD
AU	1.0000	PPB	HMNA

COMMENTS:

STATS PACKAGE TO FOLLOW

TARGET B
(MILE 28 SITE)

DATE 09-JUL-85

NUCLEAR ACTIVATION SERVICES LIMITED

CERTIFIED BY .....

*** UNLESS INSTRUCTED OTHERWISE WE WILL DISCARD ALL SAMPLES ***
IRRADIATED SAMPLES AFTER 30 DAYS. ANY OTHER MATERIAL AFTER 120 DAYS.

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 05-JUL-85 REPORT: 4176 FILE NUMBER: 5777 PAGE: 1

SAMPLE	AU PPB	
1197	6	R
1198	3	
1199	3	
1200	2	
1201	4	
1202	4	
1203	9	
1204	4	
1205	5	
1206	4	
1207	2	
1208	5	
1209	1	
1210	5	
1211	7	
1212	4	
1213	2	
1214	1	
1215	2	
1216	3	
1217	2	
1218	7	
1219	3	
1220	3	
1221	2	
1222	6	
1223	3	
1224	4	
1225	4	
1226	6	
1227	2	
1228	5	
1229	2	
1230	4	
1231	2	
1232	3	
1233	2	
1234	3	
1235	4	
1236	3	
1237	2	
1238	3	
1239	3	
1240	4	
1241	5	

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 05-JUL-85 REPORT: 4176 FILE NUMBER: 5777

SAMPLE	AU PPB	
1242	5	
1243	6	
1244	9	
1245	3	
1246	3	
1247	2	
1248	4	
1249	2	
1250	2	
1251	2	
1252	4	
1253	3	
1254	4	
1255	2	
1256	12	R
1257	3	
1258	3	
1259	2	
1260	3	
1261	2	
1262	4	
1263	2	
1264	2	
1265	1	
1266	2	
1267	1	
1268	2	
1269	3	
1270	4	
1271	3	
1272	3	
1273	3	
1274	5	
1275	7	
1276	4	
1277	2	
1278	4	
1279	2	
1280	3	
1281	2	
1282	2	
1283	2	
1284	2	
1285	2	
1286	2	

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 05-JUL-85 REPORT: 4176 FILE NUMBER: 5777 PAGE: 3

SAMPLE	AU PPB
1287	3
1288	2
1289	1
1290	2
1291	2
1292	2
1293	2
1294	1
1295	3
1296	1
1297	4
1298	3
1299	3
1300	6
1301	3
1302	4
1303	2
1304	3
1305	3
1306	3
1307	3
1308	2
1309	3
1310	3
1311	3
1312	4
1313	2
1314	2
1315	4
1316	4
1317	3
1318	9
1319	1
1320	4
1321	3
1322	3
1323	3
1324	3
1325	5
1326	2
1327	4
1328	3
1329	2
1330	4
1331	3

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 05-JUL-85 REPORT: 4176 FILE NUMBER: 5777

SAMPLE	AU PPB	
1332	3	
1333	7	R
1334	2	
1335	2	
1336	2	
1337	3	
1338	2	
1339	1	
1340	2	
1341	2	
1342	3	
1343	2	
1344	1	
1345	4	
1346	2	
1347	2	
1348	2	
1349	2	
1350	3	
1351	3	
1352	1	
1353	3	
1354	2	
1355	4	
1356	2	
1357	2	
1358	3	
1359	2	
1360	2	
1361	2	
1362	9	R

NUCLEAR ACTIVATION SERVICES LIMITED

1280 MAIN STREET WEST, HAMILTON, ONTARIO, L8S 4K1

PHONE (416) 522-5666 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO:

ATTN: S.A. SCOTT
1524 - 33 AVE S.W.
CALGARY, ALBERTA
T2T 1Y3

CUSTOMER NO. 330/01/01

DATE SUBMITTED
23-AUG-85

REPORT: 4295 FILE NUMBER: 5914

505 SAMPLES

WERE ANALYZED AS FOLLOWS:

ELEMENTS	DETECTION LIMIT	UNITS	METHOD
AU	1.0000	PPB	HMNA

COMMENTS:

REVISED REPORT

TARGET C
(CREEK SITE, POND GRID)

DATE 23-AUG-85

NUCLEAR ACTIVATION SERVICES LIMITED

CERTIFIED BY .....

*** UNLESS INSTRUCTED OTHERWISE WE WILL DISCARD ALL SAMPLES ***
IRRADIATED SAMPLES AFTER 30 DAYS. ANY OTHER MATERIAL AFTER 120 DAYS.

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 23-AUG-85 REPORT: 4295 FILE NUMBER: 5914 PAGE: 1

SAMPLE	AU PPB	
1363	3	
1364	4	
1365	1	
1366	1	
1367	3	
1368	3	
1369	3	
1370	3	
1371	2	
1372	2	
1373	1	
1374	2	
1375	1	
1376	2	
1377	3	
1378	2	
1379	2	
1380	1	
1381	3	
1382	1	
1383	3	
1384	2	
1385	2	
1386	2	
1387	1	
1388	3	
1389	1	
1390	1	
1391	3	
1392	1	
1393	3	R
1394	2	
1395	2	
1396	2	
1397	4	
1398	1	
1399	2	
1400	3	
1401	2	
1402	3	
1403	4	
1404	3	
1405	3	
1406	4	
1407	4	

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 23-AUG-85 REPORT: 4295 FILE NUMBER: 5914

SAMPLE	AU PPB	
[redacted]408	4	
1409	2	
1410	1	
[redacted]411	2	
[redacted]412	3	
1413	3	
1414	1	
[redacted]415	1	
1416	1	
1417	2	
[redacted]418	2	
[redacted]419	2	
1420	2	
[redacted]421	3	
[redacted]422	4	
1423	3	
1424	3	
[redacted]425	4	
[redacted]426	1	
1427	2	
[redacted]428	2	
[redacted]429	2	
1430	2	
1431	2	
[redacted]432	4	
1433	3	
1434	3	
[redacted]435	2	
[redacted]436	2	
1437	2	
1438	3	
[redacted]439	4	
1440	2	
1441	3	
[redacted]442	5	
[redacted]443	2	
1444	3	
1445	3	
[redacted]446	4	
1447	2	
1448	3	
[redacted]449	3	
[redacted]450	5	R
1451	3	
[redacted]452	4	

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 23-AUG-85 REPORT: 4295 FILE NUMBER: 5914 PAGE: 3

SAMPLE	AU PPB
453	NOT SUFF
1454	3
1455	2
456	2
457	2
1458	1
459	2
460	3
1461	1
1462	2
463	2
464	1
1465	2
466	1
467	2
1468	1
469	2
470	1
471	2
1472	4
473	3
474	2
1475	2
476	2
477	<1
1478	2
1479	3
480	3
481	3
1482	2
483	2
484	2
1485	3
1486	2
487	3
488	3
1489	3
490	3
491	2
1492	2
493	2
494	2
495	2
1496	2
497	3

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 23-AUG-85 REPORT: 4295 FILE NUMBER: 5914 PAGE: 4

SAMPLE	AU PPB	
[redacted]498	5	
[redacted]499	3	R
[redacted]500	2	
[redacted]501	1	
[redacted]502	2	
[redacted]503	2	
[redacted]504	2	
[redacted]505	2	
[redacted]506	3	
[redacted]507	3	
[redacted]508	2	
[redacted]509	2	
[redacted]510	2	
[redacted]511	2	
[redacted]512	2	
[redacted]513	1	
[redacted]514	3	
[redacted]515	4	
[redacted]516	3	
[redacted]517	1	
[redacted]518	3	
[redacted]519	2	
[redacted]520	3	
[redacted]521	6	
[redacted]522	2	
[redacted]523	2	
[redacted]524	3	
[redacted]525	2	
[redacted]526	2	
[redacted]527	4	
[redacted]528	2	
[redacted]529	2	
[redacted]530	2	
[redacted]531	5	
[redacted]532	2	
[redacted]533	3	
[redacted]534	2	
[redacted]535	3	
[redacted]536	2	
[redacted]537	3	
[redacted]538	3	
[redacted]539	3	
[redacted]540	4	
[redacted]541	3	
[redacted]542	3	

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 23-AUG-85 REPORT: 4295 FILE NUMBER: 5914 PAGE: 5

SAMPLE	AU PPB	
543	6	R
544	2	
545	2	
546	1	
547	3	
548	2	
549	3	
550	4	
551	2	
552	2	
553	2	
554	2	
555	2	
556	3	
557	3	
558	2	
559	3	
560	1	
561	1	
562	4	
563	2	
564	1	
565	3	
566	3	
567	2	
568	2	
569	3	
570	2	
571	2	
572	2	
573	2	
574	2	
575	2	
576	2	
577	5	
578	2	
579	2	
580	1	
581	2	
582	2	
583	1	
584	1	
585	3	
586	2	
587	3	

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 23-AUG-85 REPORT: 4295 FILE NUMBER: 5914 PAGE: 6

SAMPLE	AU PPB	
588	2	
1589	4	
1590	8	
591	1	
592	1	
1593	2	
594	2	
595	3	
1596	2	
1597	2	
598	4	
1599	3	
1600	3	
601	2	
602	4	
1603	3	
1604	1	
605	1	
1606	1	
1607	2	
608	2	
609	2	
1610	1	
1611	3	
612	1	
1613	2	
1614	2	
615	<1	
616	3	
1617	4	R
1618	2	
619	2	
1620	2	
1621	3	
622	2	
623	2	
1624	3	
625	1	
626	1	
1627	2	
1628	2	
629	3	
1630	2	
1631	3	
632	2	

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 23-AUG-85 REPORT: 4295 FILE NUMBER: 5914 PAGE: 7

SAMPLE	AU PPB
633	2
1634	2
1635	5
636	3
637	5
1638	13
639	3
640	6
1641	1
1642	4
643	7
644	6
1645	3
646	3
647	2
1648	2
1649	2
650	1
651	1
1652	4
653	1
654	2
1655	3
1656	2
657	1
1658	2
1659	3
660	2
661	2
1662	2
1663	4
664	2
1665	4
1666	3
667	2
668	2
1669	3
670	1
671	2
1672	1
1673	1
674	2
675	3
1676	1
677	2

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 23-AUG-85 REPORT: 4295 FILE NUMBER: 5914 PAGE: 8

SAMPLE	AU PPB	
678	1	
1679	3	
1680	3	
681	2	
682	<1	
1683	2	
684	1	
685	2	
1686	1	
1687	4	
688	5	
689	4	
1690	1	
691	2	
692	3	
1693	4	R
1694	1	
695	6	
696	1	
1697	1	
698	3	
699	10	
1700	3	
1701	4	
702	8	
1703	2	
1704	3	
705	2	
706	2	
1707	2	
708	3	
709	4	
1710	2	
1711	2	
712	3	
713	3	
1714	3	
715	3	
716	3	
1717	2	
1718	2	
719	1	
1720	2	
1721	3	
722	2	

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 23-AUG-85 REPORT: 4295 FILE NUMBER: 5914 PAGE: 9

SAMPLE	AU PPB
723	2
1724	1
1725	2
726	1
727	2
1728	1
729	2
730	2
1731	2
1732	2
733	2
734	1
1735	3
736	1
737	3
1738	2
1739	2
740	3
741	3
1742	2
743	2
744	2
1745	4
1746	2
747	2
1748	1
1749	2
750	1
751	1
1752	2
1753	2
754	2
1755	2
1756	2
757	1
758	2
1759	1
760	5
761	2
1762	2
1763	3
764	3
765	2
1766	1
767	1

Replot

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 23-AUG-85 REPORT: 4295 FILE NUMBER: 5914 PAGE: 10

SAMPLE	AU PPB	
1768	2	
1769	4	
1770	2	
1771	3	
1772	3	
1773	2	
1774	3	
1775	3	
1776	2	
1777	4	
1778	4	
1779	3	
1780	2	
1781	4	
1782	4	
1783	4	
1784	4	
1785	3	
1786	1	
1787	3	
1788	2	
1789	4	
1790	6	
1791	2	
1792	1	
1793	3	
1794	4	
1795	7	R
1796	2	
1797	2	
1798	3	
1799	2	
1800	2	
1801	1	
1802	2	
1803	1	
1804	1	
1805	2	
1806	2	
1807	3	
1808	3	
1809	2	
1810	2	
1811	1	
1812	5	

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 23-AUG-85 REPORT: 4295 FILE NUMBER: 5914 PAGE: 11

SAMPLE	AU PPB	
813	5	
1814	2	
1815	2	
816	2	
817	2	
1818	2	
819	3	
820	2	
1821	2	
1822	3	
823	2	
824	3	
1825	2	
826	2	
827	2	
1828	2	
829	2	
830	2	
831	2	
1832	2	
833	3	
834	4	
1835	6	
836	3	
837	2	
1838	3	
1839	1	
840	3	
841	2	
1842	11	
843	3	
844	2	
1845	7	R
1846	1	
847	4	
848	2	
1849	4	
850	2	
851	4	
1852	2	
1853	4	
854	2	
855	4	
1856	7	
857	2	

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 23-AUG-85 REPORT: 4295 FILE NUMBER: 5914 PAGE: 12

SAMPLE	AU PPB
1858	5
1859	7
1860	6
1861	7
1862	2
1863	5
1864	4
1865	4
1866	4
1867	4
1868	3
1869	7 R

EXPLANATION OF CODES

NOT SUFF - SAMPLE IS INSUFFICIENT FOR ANALYSIS

NUCLEAR ACTIVATION SERVICES LIMITED

1280 MAIN STREET WEST, HAMILTON, ONTARIO, L8S 4K1

PHONE (416) 522-5666 TELEX 06-986947

CERTIFICATE OF ANALYSIS

TO:

ATTN: S.A. SCOTT
1524 - 33 AVE S.W.
CALGARY, ALBERTA
T2T 1Y3

CUSTOMER NO. 330/01/01

DATE SUBMITTED
23-AUG-85

REPORT: 4547

FILE NUMBER: 6243

GOLD CHECKS

WERE ANALYZED AS FOLLOWS:

ELEMENTS	DETECTION LIMIT	UNITS	METHOD
AU	1.0000	PPB	HMNA

DATE 23-AUG-85

NUCLEAR ACTIVATION SERVICES LIMITED

CERTIFIED BY .....

*** UNLESS INSTRUCTED OTHERWISE WE WILL DISCARD ALL SAMPLES ***
IRRADIATED SAMPLES AFTER 30 DAYS. ANY OTHER MATERIAL AFTER 120 DAYS.

NUCLEAR ACTIVATION SERVICES LIMITED

DATE: 23-AUG-85 REPORT: 4547 FILE NUMBER: 6243 PAGE: 1

SAMPLE	AU PPB
026	9
1035	8
1106	8
132	7
146	32
1148	40
150	55
175	8
1178	31
1196	6
197	6
256	12
1333	8
362	9
450	5
1499	5
1543	5
617	5
1638	12
1643	6
644	5
693	4
1699	9
795	7
843	3
1845	8
1869	7

APPENDIX B

X-RAY ASSAY LABORATORIES MCGARRY GOLD 05-JUL-85

LOGARITHM CALCULATIONS BASE 10

HISTOGRAM 1 N.A.S. NO.5704

STATISTICS CALCULATED USING SAMPLES WITHIN RANGE 0.00 TO 2.00

1.00 TO 100.00

FREQUENCY INTERVAL	0.20
DATA POINTS	191
MEAN	18.23
STANDARD DEVIATION =	1.56
MINIMUM VALUE	6.00
MAXIMUM VALUE	55.00
POINTS BELOW DETECTION LIMIT	0

DATA POINTS BELOW THE DETECTION LIMIT
ARE CALCULATED AT 0.50 TIMES THE DETECTION LIMIT.

TARGET A
(EAST CREEK)

HISTOGRAM X-RAY ASSAY LABORATORIES

N.A.S. WO.5704

RANGE	AU PPB	POPULATION	%
1.00	1.58	0	0.00
1.58	2.51	0	0.00
2.51	3.98	0	0.00
3.98	6.31	3	1.57
6.31	10.00	6	3.14
10.00	15.85	67	35.08
15.85	25.12	68	35.60
25.12	39.81	38	19.90
39.81	63.10	9	4.71
63.10	100.00	0	0.00
100.00	158.49	0	0.00

X-RAY ASSAY LABORATORIES HISTOGRAM

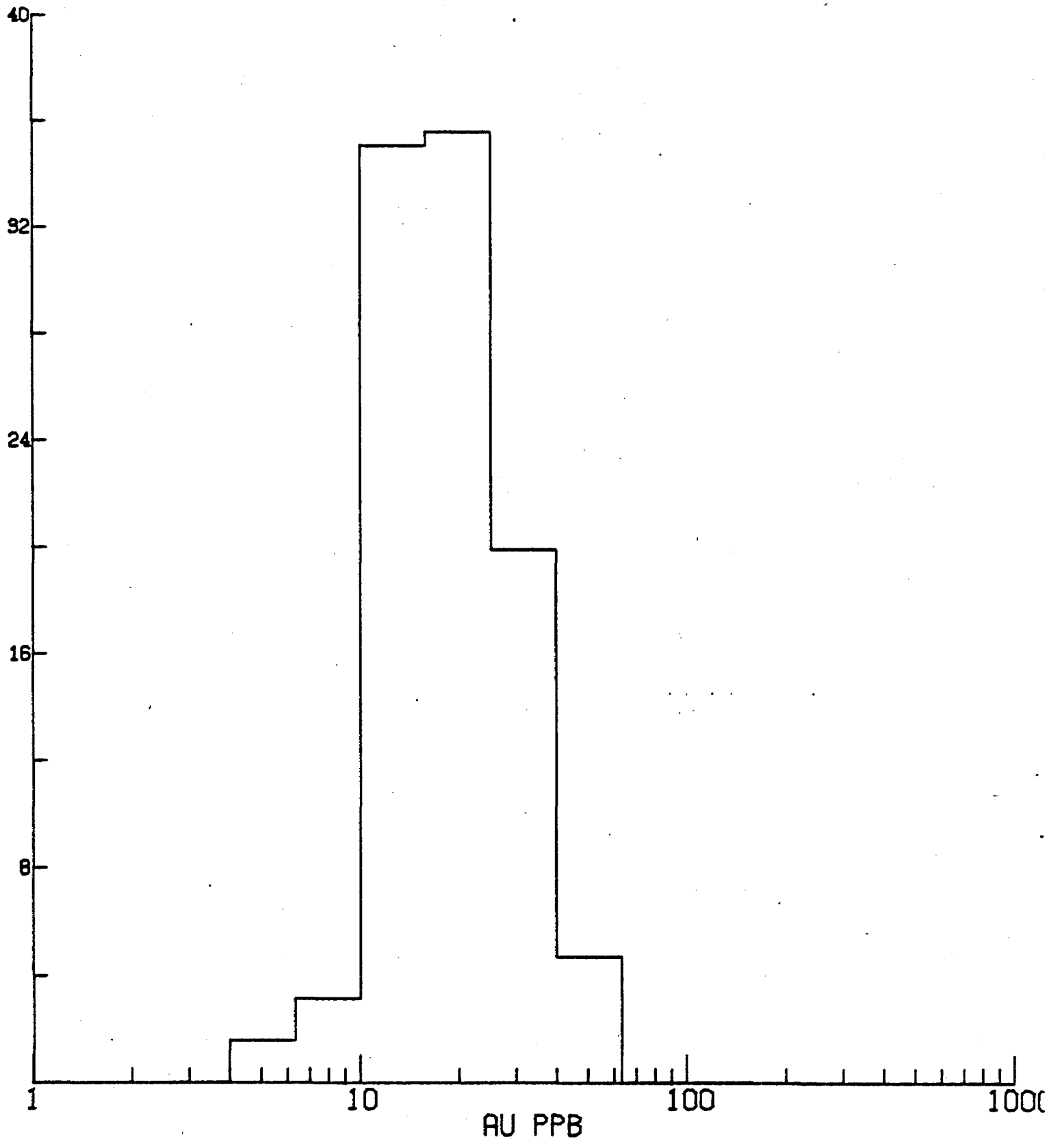
MCGARRY GOLD 05-JUL-85

N.A.S. W0.5704

POINTS 191
MEAN 18.23

FREQUENCY INTERVAL 0.20
STANDARD DEVIATION 1.56

LOGARITHM CALCULATION BASE 10



X-RAY ASSAY LABORATORIES CUMULATIVE FREQUENCY 1

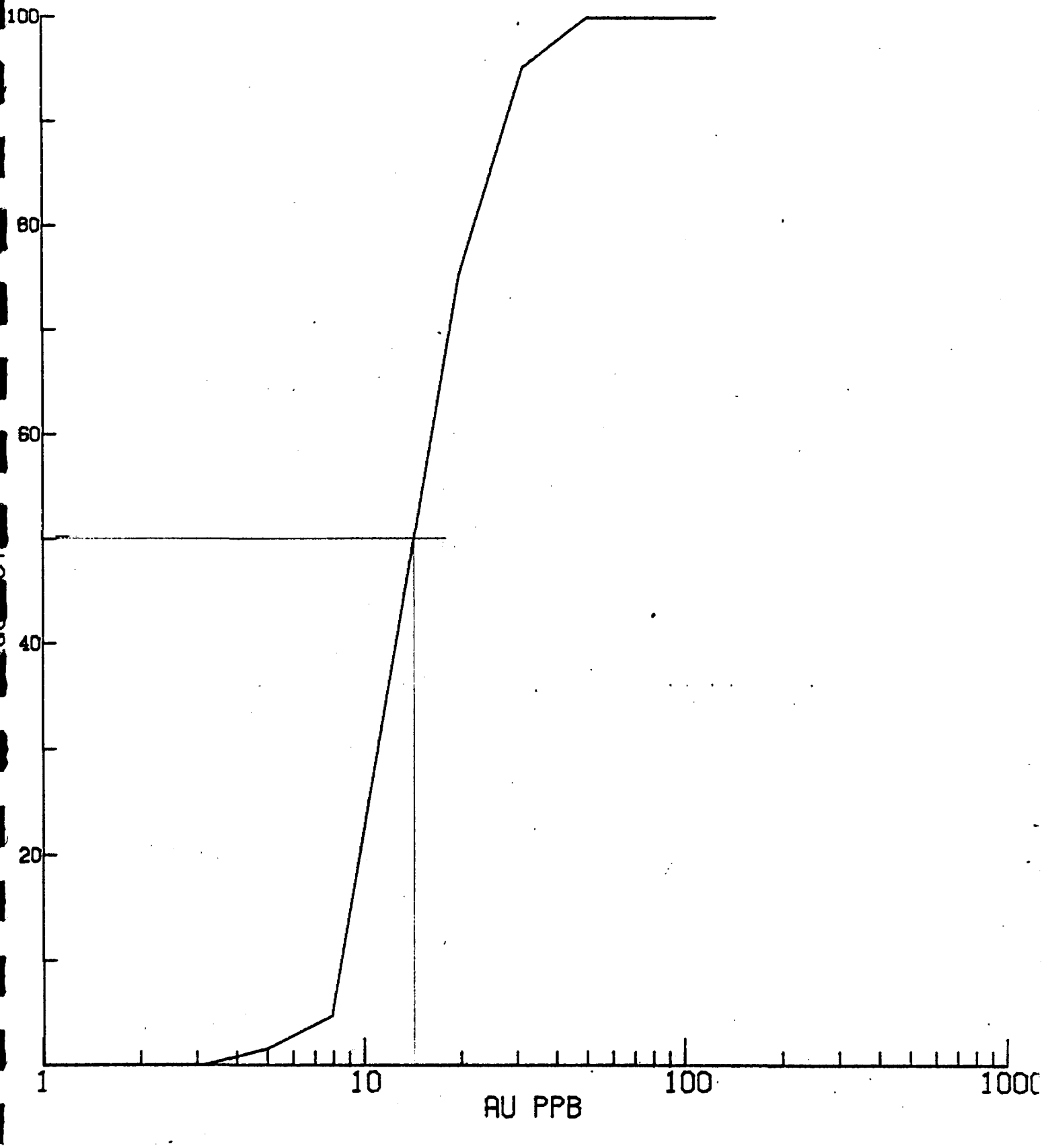
MCGARRY GOLD 05-JUL-85

N.A.S. W0.5704

POINTS 191 FREQUENCY INTERVAL 0.20

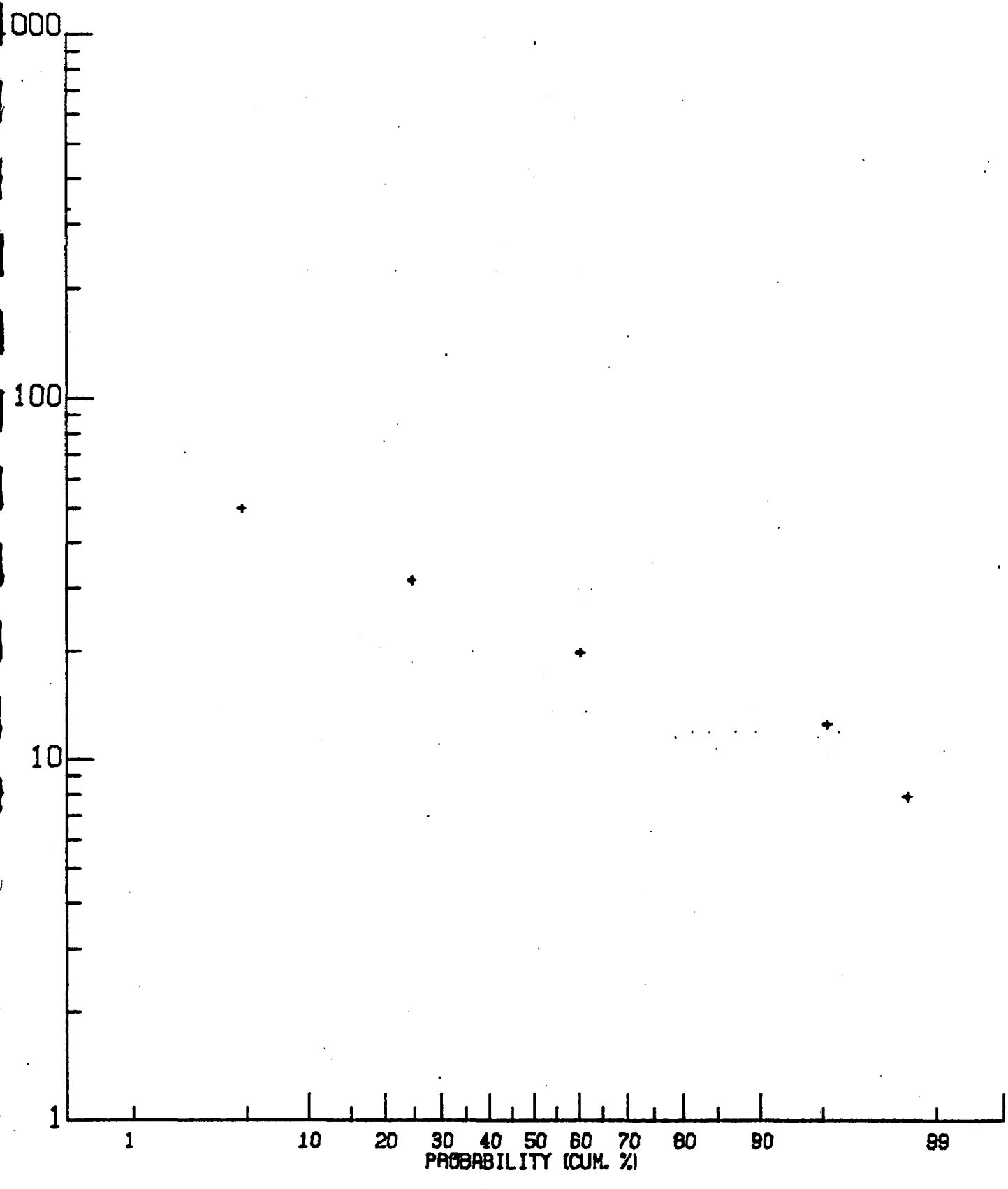
MEAN 18.23 STANDARD DEVIATION 1.56

LOGARITHM CALCULATION BASE 10



X-RAY ASSAY LABORATORIES LOG PROBABILITY PLOT 1

MCGARRY GOLD 05-JUL-85



VALUE	PROBABILITY (CUM. %)
50.1	4.7
31.6	24.6
20.0	60.2
12.6	95.3
7.9	98.4
5.0	100.0
1.3	100.0

X-RAY ASSAY LABORATORIES MCGARRY GOLD 05-JUL-85

LOGARITHM CALCULATIONS BASE 10

HISTOGRAM 2 N.A.S. WO.5777

STATISTICS CALCULATED USING SAMPLES WITHIN RANGE 0.00 TO 2.00

1.00 TO 100.00

FREQUENCY INTERVAL	0.20
DATA POINTS	162
MEAN	2.73
STANDARD DEVIATION =	1.58
MINIMUM VALUE	1.00
MAXIMUM VALUE	9.00
POINTS BELOW DETECTION LIMIT	0

DATA POINTS BELOW THE DETECTION LIMIT
ARE CALCULATED AT 0.50 TIMES THE DETECTION LIMIT.

TARGET B
(MILE 28 SITE)

HISTOGRAM X-RAY ASSAY LABORATORIES

N.A.S. WO.5777

RANGE	AU PPB	POPULATION	%
1.00	1.58	11	6.79
1.58	2.51	58	35.80
2.51	3.98	48	29.63
3.98	6.31	39	24.07
6.31	10.00	6	3.70
10.00	15.85	0	0.00
15.85	25.12	0	0.00
25.12	39.81	0	0.00
39.81	63.10	0	0.00
63.10	100.00	0	0.00
100.00	158.49	0	0.00

X-RAY ASSAY LABORATORIES HISTOGRAM 2

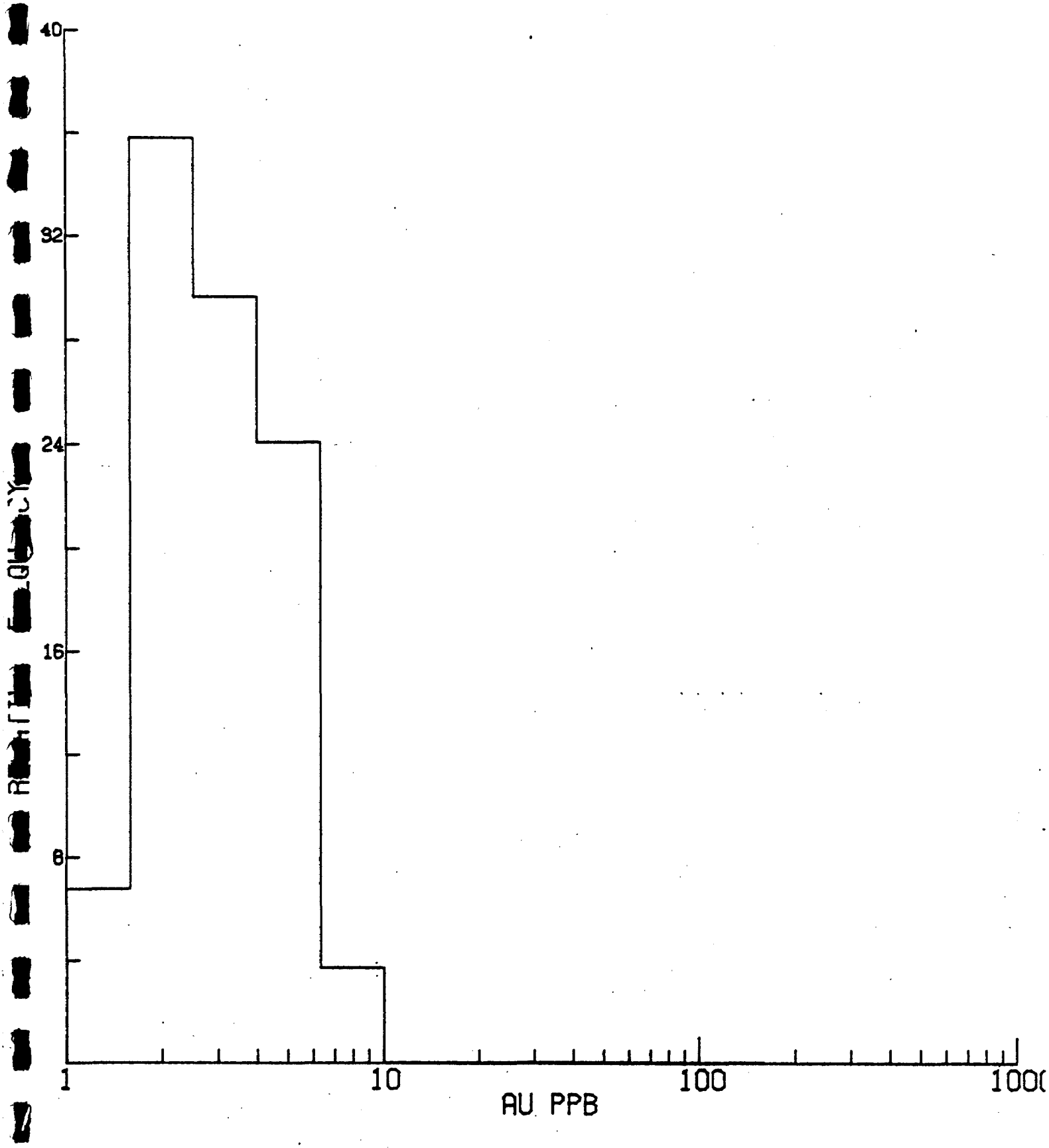
MCGARRY GOLD 05-JUL-85

N.A.S. W0.5777

POINTS 162 FREQUENCY INTERVAL 0.20

MEAN 2.79 STANDARD DEVIATION 1.58

LOGARITHM CALCULATION BASE 10



X-RAY ASSAY LABORATORIES CUMULATIVE FREQUENCY 2

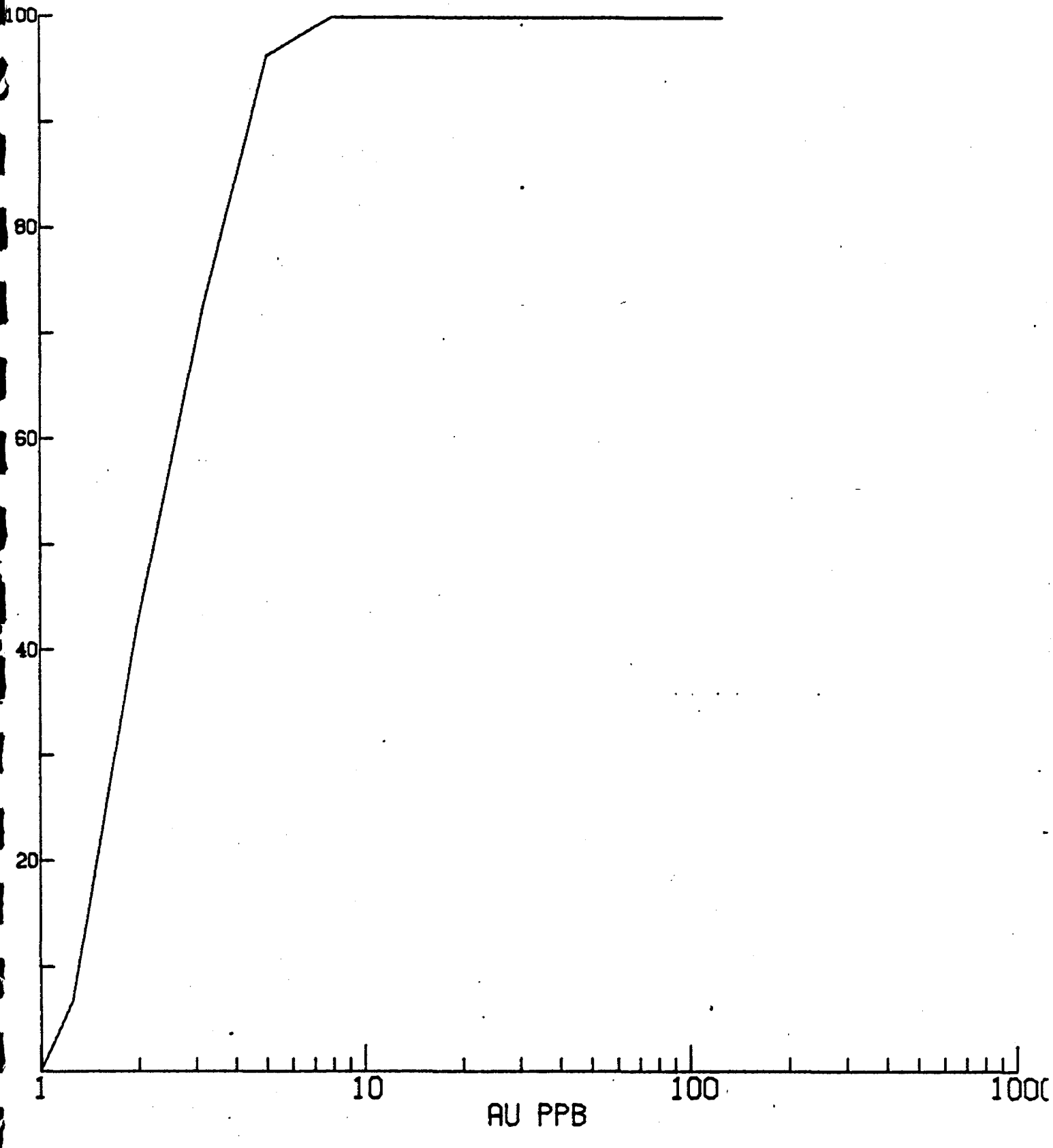
MCGARRY GOLD 05-JUL-85

N.A.S. W0.5777

POINTS 162 FREQUENCY INTERVAL 0.20

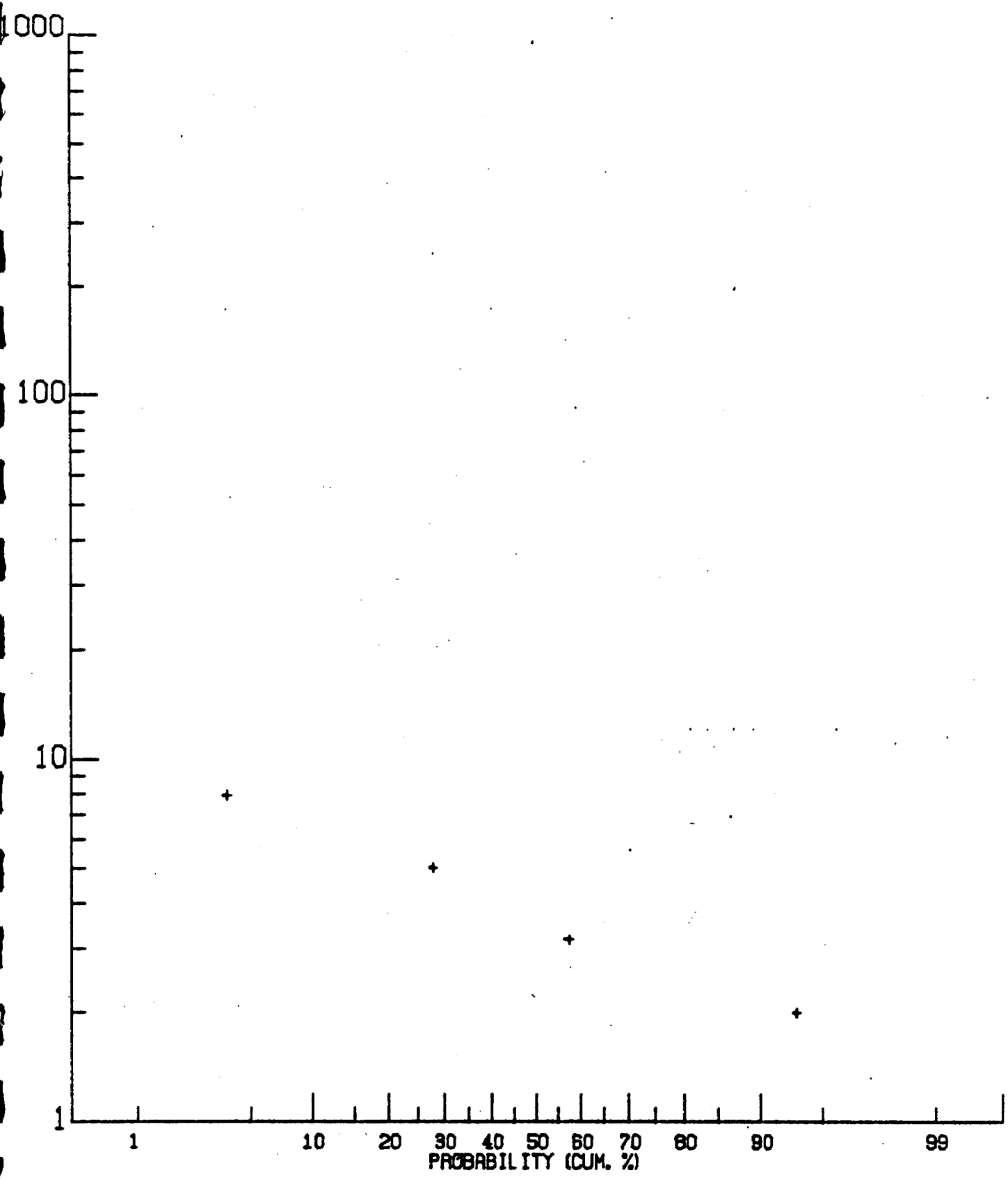
MEAN 2.79 STANDARD DEVIATION 1.58

LOGARITHM CALCULATION BASE 10



X-RAY ASSAY LABORATORIES LOG PROBABILITY PLOT 2

MCGARRY GOLD 05-JUL-85



VALUE	PROBABILITY (CUM. %)
7.9	3.7
5.0	27.8
3.2	57.4
2.0	93.2
1.3	100.0

X-RAY ASSAY LABORATORIES N.A.S. WORK ORDER #5914 12-SEP-85

LOGARITHM CALCULATIONS BASE 10

HISTOGRAM 1 AU PPB

STATISTICS CALCULATED USING SAMPLES WITHIN RANGE 0.00 TO 2.00

1.00 TO 100.00

FREQUENCY INTERVAL	0.20
DATA POINTS	495
MEAN	2.26
STANDARD DEVIATION =	1.61
MINIMUM VALUE	0.50
MAXIMUM VALUE	13.00
POINTS BELOW DETECTION LIMIT	3

DATA POINTS BELOW THE DETECTION LIMIT
ARE CALCULATED AT 0.50 TIMES THE DETECTION LIMIT.

TARGET C
(CREEK SITE, POND GRID)

HISTOGRAM X-RAY ASSAY LABORATORIES

AU PPB

RANGE	AU PPB	POPULATION	%
1.00	1.58	78	15.76
1.58	2.51	217	43.84
2.51	3.98	123	24.85
3.98	6.31	68	13.74
6.31	10.00	6	1.21
10.00	15.85	3	0.61
15.85	25.12	0	0.00
25.12	39.81	0	0.00
39.81	63.10	0	0.00
63.10	100.00	0	0.00
100.00	158.49	0	0.00

VALUE	PROBABILITY (CUM. %)
12.6	0.6
7.9	1.8
5.0	15.6
3.2	40.4
2.0	84.2
1.3	100.0

X-RAY ASSAY LABORATORIES HISTOGRAM

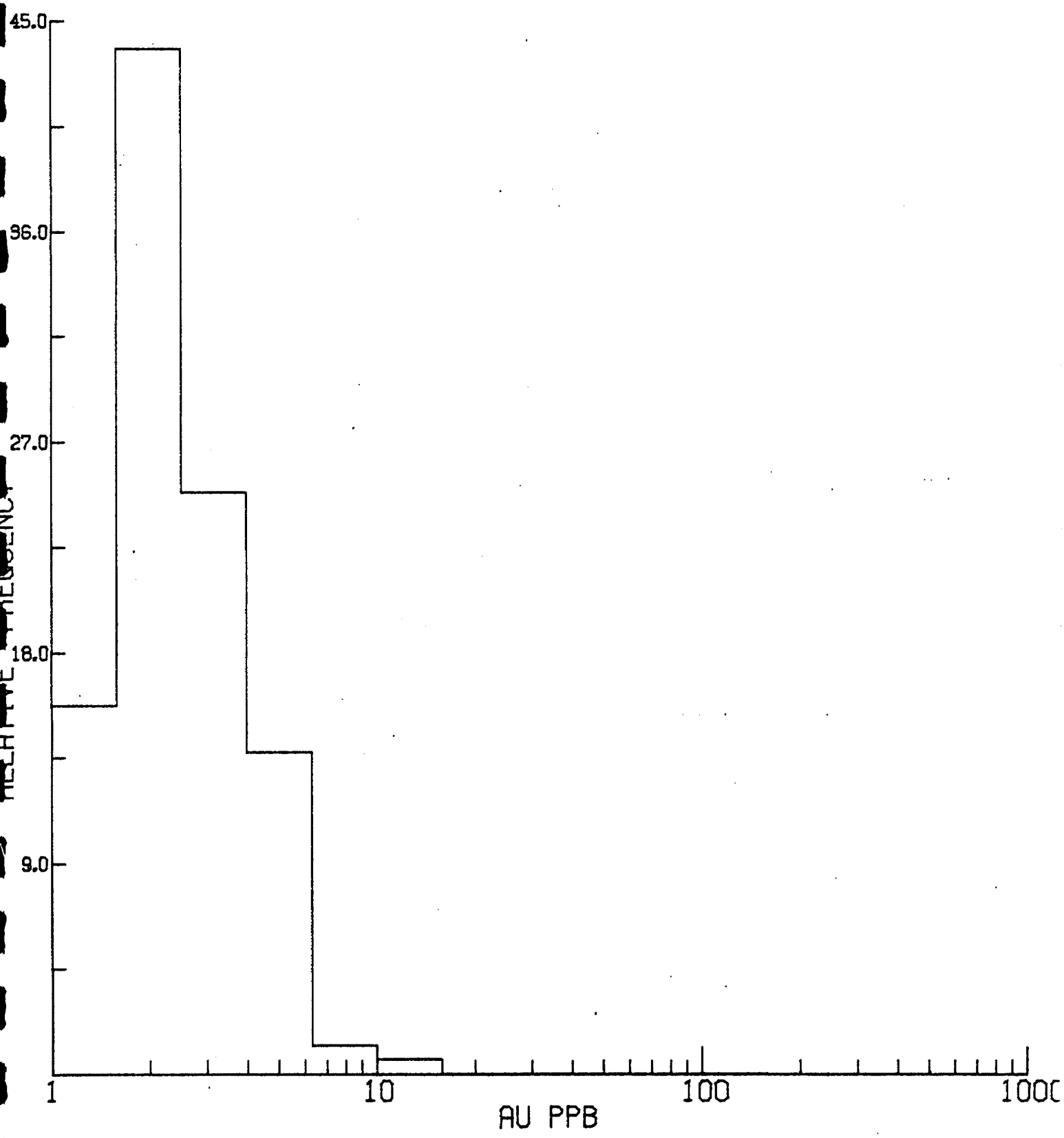
N.A.S. WORK ORDER #5914 12-SEP-85

AU PPB

POINTS 495 FREQUENCY INTERVAL 0.20

MEAN 2.26 STANDARD DEVIATION 1.61

LOGARITHM CALCULATION BASE 10



X-RAY ASSAY LABORATORIES CUMULATIVE FREQUENCY 1

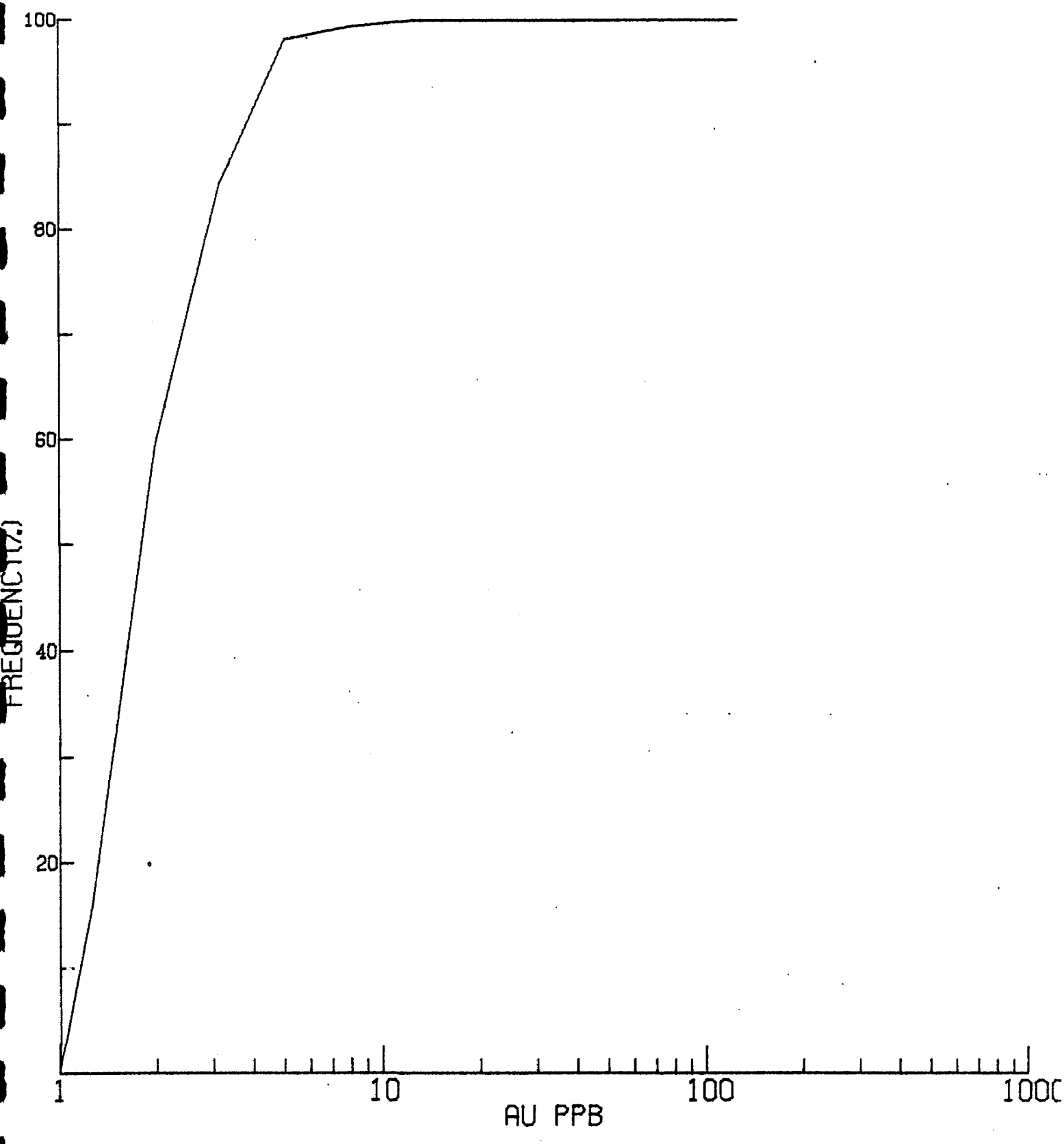
N.A.S. WORK ORDER #5914 12-SEP-85

AU PPB

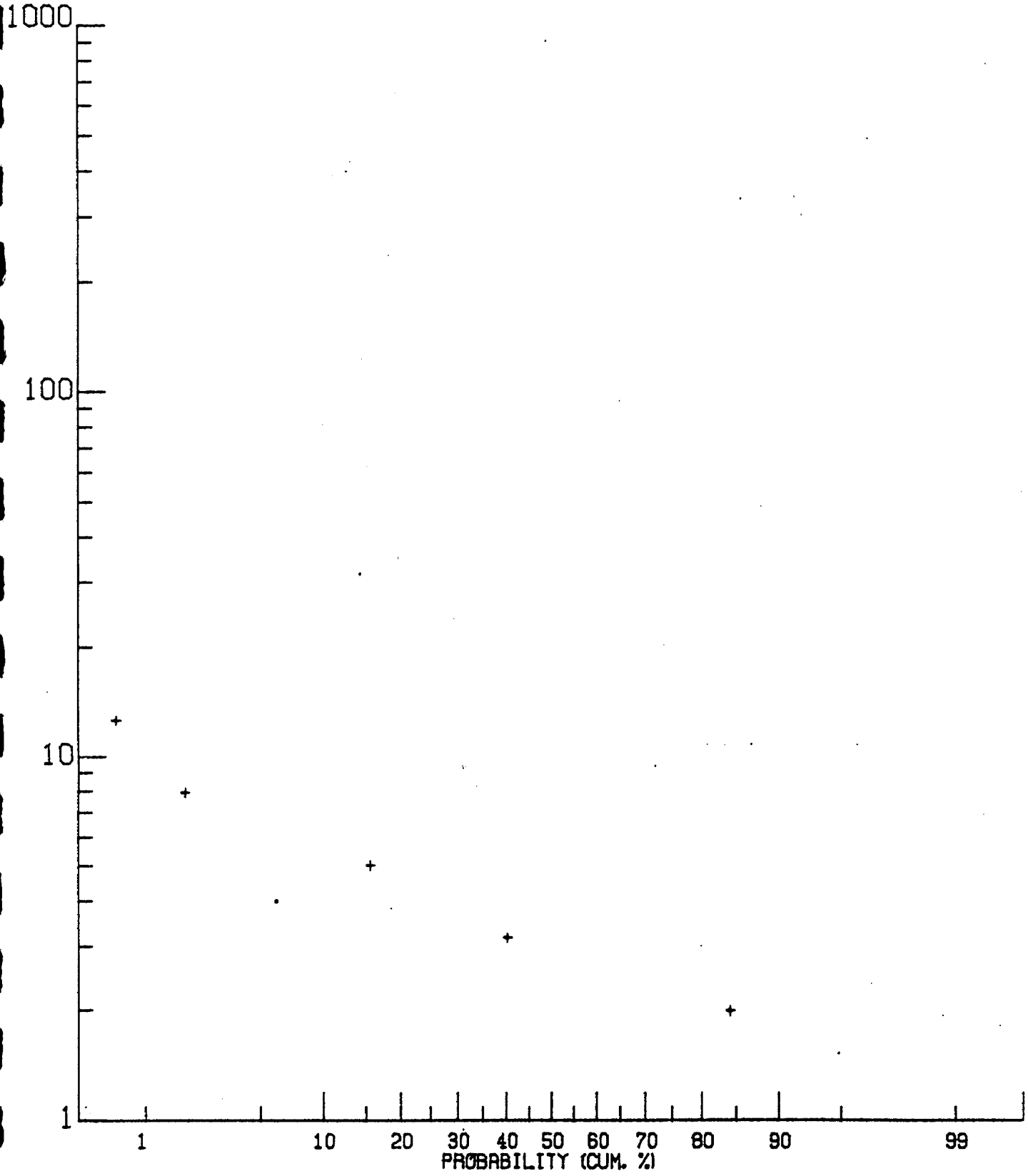
POINTS 495 FREQUENCY INTERVAL 0.20

MEAN 2.26 STANDARD DEVIATION 1.61

LOGARITHM CALCULATION BASE 10



X-RAY ASSAY LABORATORIES LOG PROBABILITY PLOT 1
N.A.S. WORK ORDER #5914 12-SEP-85



McGARRY GOLD PARTNERSHIP INC.
WINNIPEG, MANITOBA

MAGNETIC & VLF-EM SURVEYS
AZA PROPERTY

MAY 31, 1985.

REF.: SAGAX 85123

[redacted]

TABLE OF CONTENTS

1. INTRODUCTION

At the request of McGarry Gold Partnership Inc., SAGAX Geophysics Inc. carried out a VLF electromagnetic survey combined with a proton magnetometer survey over their AZA Property. This mining property lies approximatively 1.4 miles north of the Kerr-Addison orebody in northern Ontario.

The purpose of these surveys was to get more information in regards to structural geology and possibly to localize diamond drilling targets.

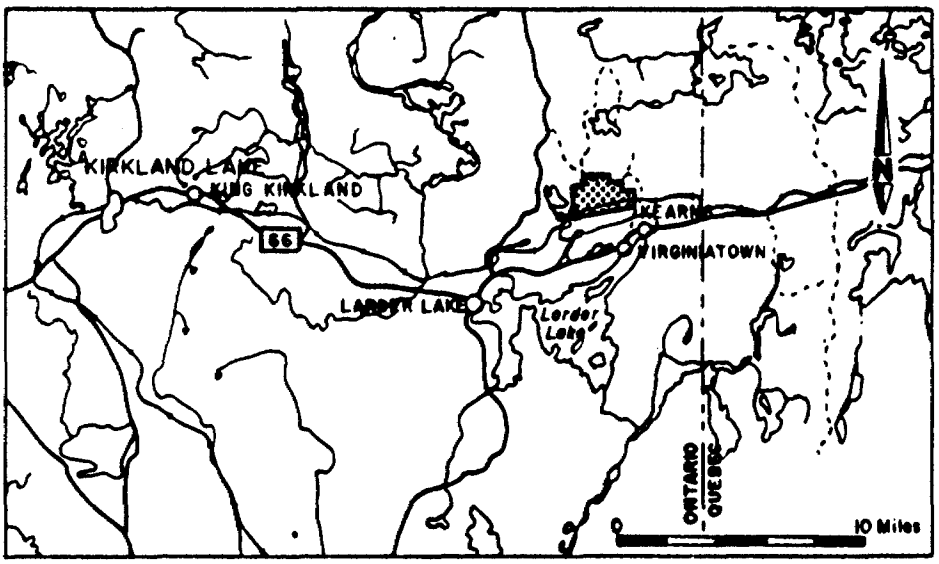


FIGURE 1: Localization of the AZA Property

2. SURVEY EXECUTION

2.1 GENERAL

The property is located in Larder Lake area, about two miles north of Virginiatown. The access is good by the Cheminis Lumber Road, from the Highway 66 (see figure 1). The area surveyed is divided into two grids:

-The Instant Pond Grid to the north;
(N-S picket lines)

-The Railway Grid to the south.
(160 degrees picket lines)

Mr. Marc Boivin, geophysicist, conducted the field work between April 10 and April 21, 1985.

2.2 MAGNETIC SURVEY

A total of 43.8 miles of magnetic survey was carried out using a 0.1 gamma resolution Proton Magnetometer (Scintrex MP4). Readings were taken at fifty foot spacing along the lines; one measurement out of two was located by pacing. The usual diurnal corrections were made using base stations located in low magnetic gradient. The survey was stop during the occurence of magnetic storms. No readings were taken along the boundary of the perimeter survey due to the absence of chained pickets.

Corrected Total Field readings and contours have been reported on two different maps at a scale of 400 feet per inch. Shaded zone on the contour map shows area of artificial magnetic disturbance. Data issue from a former survey done in 1984 have been integrated with the present survey. Recent readings were substracted of 20 gamma in order to tie the two surveys together. One copy of the magnetic contour map have been colored to simplify interpretation.

2.3 VLF ELECTROMAGNETIC SURVEY

A total of 34.8 miles was surveyed by VLF magnetic field using a Scintrex VLF-4 Electromagnetic Receiver. Transmitting station NAA (17.8 KHz) located at Cutler, Maine was tuned during all the survey, except for the Instant Pond Grid baseline for which station Annapolis (21.4 KHz) was used. The geographical location of the Cutler transmitter is well suited for the detection of approximatively E-W conductors or conductivity contrasts. Readings were taken every fifty feet, facing N18E for NAA station.

In-Phase and Out-of-Phase readings and profiles have been reported on two different maps at a scale of 400 feet per inch. Fraser filtered values profiles and contours have been reported on two others maps at the same scale. The shaded area on the Fraser contours map delineates the zone of cultural effect. In-Phase and Fraser values issue from a previous survey were added to the present results.

3. RESULT DISCUSSION

Magnetic contour map has allowed us to interpret more precisely some geological formations, but no faults or shear zones can be uniquely interpreted from the magnetic results alone. However, some lineaments have been interpreted from airphotos; they seems to be associated with geomorphological accidents, which in turns may reflects some structural features in the bedrock. The magnetic map doesn't disprove the occurence of these features (faults?).

The known shear zones reported on the detailed geological map doesn't show any reconizable magnetic signature. The reasons may be the weak extend of these shear zones, their direction, and, the lack of directly associated magnetic minerals.

Only one magnetic high cannot be explained by a geological feature due to the lack of outcrop in that area (southeastern part of the railway grid). We will discuss the case of this one and only magnetic anomaly later on.

The electromagnetic survey done on the AZA Property has permitted us to detect 57 VLF anomalies. All these anomalies have been drawn on the Fraser contour map. Only 14 of these cannot be surely explained by overbuden or geomorphological effects (see table 1). All the others anomalies arise from near-surface or topographic effects and are not attributed to geological conductors. However it should be noted that geomorphological or topographical features are frequently associated with lithological variations. Thus, a VLF anomaly could be physically produced, for example, by a creek but that creek could be the result of faulting. In such a case, one may not need a VLF survey to interpret that geological structure.

Only the 14 remaining anomalies have been reported on the interpretation map because the others are not valuable from the mining exploration point of view. Six of these are classified as first priority target. This classification has been made on the basis of the VLF-EM survey alone and should be taken with care.

First priority VLF anomaly #54 is directly associated with a 500 gamma magnetic high and is worth drilling. In that part of the property, this magnetic anomaly could be produced by a mafic trachyte (6d), but no outcrop corroborate this interpretation. However, it should be noted that no conductor are associated with the other occurence of band of mafic trachyte (6d). The drilling parameters ought to be determined according to the information obtained from the other surrounding DDHs. Trenching would be required in order to explain VLF anomaly #51 located on an area of outcrops before planning some eventual drilling on this anomaly.

We recommend an Induced Polarization survey to define if some of the other first and second priority anomalies are really produced by conductors in the bedrock. A diamomd drill hole program may also be elaborated immediately on some of these first priority anomalies if they are supported by some other geoscientific information.

IDENTIFI-CATION	MAG LEVEL	GEOLOGICAL CONTEXT	REMARKS	POSSIBLE CAUSE	RECOMMEN-DATIONS	PRIO-RITY
1	500	contact 2a-2d	between o/c	O.E.	IP	2
2	500	2a	swamp	O.E.	DROP	3
3	500	2a	swamp	O.E.	DROP	3
4	1500	2e(?)	swamp	O.E.	DROP	3
5	500	2d,2e	between o/c	O.E.	DROP	3
6	750	contact 2a-2d	swamp	O.E.	DROP	3
7	1000	2e	weak-between o/c	O.E.	DROP	3
8	750	2e	weak	O.E.?	IP	2
9	500	2a,2d	between o/c	O.E.	DROP	3
10	500	2a	weak-between o/c	O.E.	DROP	3
11	500	2a	between o/c	O.E.	DROP	3
12	500	2a	between o/c	O.E.	DROP	3
13	500	2a,2b(?)	no o/c	G.C.?	IP	1
14	500	2a,2b(?)	no o/c	G.C.?	IP	1
15	500	2a,2b	o/c border	G.E.	DROP	3
16	500	contact 2a,5b	swamp border	G.E.	DROP	3
17	2000	10,6	weak but interest.	O.E.?	IP	2
18	1500	6d	swamp	O.E.	DROP	3
19	1000	contact 6d,1b	o/c border	G.E.	DROP	3
20	1000	1a,6,1b	along a road	G.E.	DROP	3

Table 1: Description of VLF-EM anomalies

IDENTIFI-CATION	MAG LEVEL	GEOLOGICAL CONTEXT	REMARKS	POSSIBLE CAUSE	RECOMMEN-DATIONS	PRIO-RITY
21	2000	1a,6	partly swamp	O.E.?	IP	2
22	750	1b	swamp	O.E.	DROP	3
23	500	1b	swamp	O.E.	DROP	3
24	750	1b	swamp	O.E.	DROP	3
25	2000	1a,6	swamp	O.E.	DROP	3
26	1500	2d,2e,6,10,	swamp	O.E.	DROP	3
27	750	1b	weak,swamp	O.E.	DROP	3
28	500	2a	swamp	O.E.	DROP	3
29	500	2a	swamp	O.E.	DROP	3
30	750	1b	swamp	O.E.	DROP	3
31	750	1b	between o/c	O.E.	DROP	3
32	750	1b	weak,swamp	O.E.	DROP	3
33	1000	2f(?)	along a trail	G.E.	DROP	3
34	1000	complex	along a trail	G.E.	DROP	3
35	750	contact 2f,6	shear zones	G.C.?	IP	1
36	1000	1,2f	pond	O.E.	DROP	3
37	1000	5a,5b(?)	swamp	O.E.	DROP	3
38	1000	5a,5b	along a trail	G.E.	DROP	3
39	500	2f	pond	O.E.	DROP	3
40	500	1b	swamp	O.E.	DROP	3

Table 1: Description of VLF-EM anomalies (continued)

IDENTIFICATION	MAG LEVEL	GEOLOGICAL CONTEXT	REMARKS	POSSIBLE CAUSE	RECOMMENDATIONS	PRIORITY
41	1000	7a	swamp	O.E.	DROP	3
42	1000	5a,5b	swamp	O.E.	DROP	3
43	1000	4,11a,7a	fault zone-Au	G.C.?	IP	1
44	500	5a,5b	swamp	O.E.	DROP	3
45	500	5a,5b	swamp	O.E.	DROP	3
46	500	5b	swamp	O.E.	DROP	3
47	500	1b	swamp	O.E.	DROP	3
48	900	contact 6d-5a	between o/c	G.E.?	IP	2
49	600	7a,10	between o/c	G.E.?	IP	2
50	500	5a,5b	swamp	O.E.	DROP	3
51	1000	10	on o/c	G.C.?	TRENCH	1
52	750	14,15	swamp and o/c border	O.E.	DROP	3
53	500	15a	between o/c	G.E.?	IP	2
54	1000	6d(?)	swamp	G.C.?	DDH	1
55	500	15a,15b	between o/c	G.E.?	IP	2
56	500	15a,15b	swamp and o/c border	O.E.	DROP	3
57	500	15a,15b	swamp border	O.E.	DROP	3

Table 1: Description of VLF-EM anomalies (continued)

LEGEND OF TABLE 1

1a : pillowed tholeiitic basalt

1b : massive tholeiitic basalt

2a : diorite

2b : pegmatite gabbro

2d : gabbro

2e : magnetite gabbro

2f : leucoxene gabbro

4 : yellow claystone

5a : grit with iron carbonate 6-30%

5b : grit with iron carbonate +40%

6 : syenite

6d : mafic trachyte (magnetic)

7a : syenite derived tuff

10 : chlorite tectonite, hematite

11 : chert in grey sandstone

14 : grey grit sandstone

15a : sandstone

15b : conglomeratic sandstone

G.C.: Geological conductor

G.E.: Geomorphological effect

O.E.: Overburden effect

4. RESUME OF RECOMMENDATIONS

-Drilling of VLF anomaly #54

-Trenching on VLF anomaly #51

-I.P. survey on VLF anomalies #1, 8, 13, 14, 17, 21, 35, 43, 48, 49, 53 and 55.

These recommendations are not given in order of priority. The priorities are a function of the complementary drilling and geochimical results obtained by McGarry Gold Partnership on their property.

5. SUMMARY AND CONCLUSION

Ground geophysical surveys, including VLF electromagnetic and magnetic methods were carried out at the request of McGarry Gold Partnership on their AZA mining property during the 1985 winter season. Only one diamond drilling target has been revealed following the interpretation of both surveys. This is partly due to the inability of these geophysical methods to directly detect disseminated sulfides which are often associated with gold occurences. The main purpose of the VLF and Magnetic surveys was to obtain more information on the structural geology. This has been attained. The second purpose was to localize diamond drill targets, however these geophysical techniques are not sufficiently discriminatory for this. An input of data from other exploration techniques is necessary before drill targets can be confidently interpreted.

SAGAX GEOPHYSICS INC.

Pierre Bérubé
Geophysicist, Eng.

May 31, 1985.

[redacted]

SUMMARY OF GEOPHYSICAL SURVEYS

PERFORMED ON THE

RAILWAY GRID

FOR

McGARRY GOLD PARTNERSHIP

November 9,1985

R.J. Meikle

Rayan Exploration Limited

Introduction

This report deals with a limited geophysical survey conducted in the fall of 1985. The purpose of the survey was to substantiate previously outlined coincident VLF-EM and magnetometer anomalies on the railway grid south of the railway tracks. The following parameters were employed:

Max-Min Horizontal Loop Survey

- Instrument- Apex Max-Min 11
- Frequencies read - 3555,1777,444, as indicated
- Coil Separation - 100ft. and 300ft. as indicated
- Mode - Maximum coupled
- Lines read: L74E- 100ft.
  L72E- 100ft. / 300ft.
  L68E- 300ft.
  L64E- 300ft.
  L62E- 300ft.

Induced Polarization Survey

- Receiver- Scintrex IPR-11
- Transmitter- Scintrex TSQ-300
- Method- Time domain
- Electrode Array- Pole-Pole Lateral
- 'a' spacing- 200ft.

Results

L74E- This line has the strongest VLF response at 13S with a coincident magnetic response. However, there is no Max-Min response on the 100ft. spacing. This line was not read with a 300ft. cable or I.P.

L72E- This line has 3 VLF/Mag anomalies. The southern two at 9S and 1350S have no response on the 100ft. Max-Min and a very weak quadrature response only on the a=300ft., 1777Hz.

However, the Max-Min survey outlined 2 parallel anomalies at 0+00 and 2S. They do not show on the 100ft. spacing, indicating an overburden depth of more than 50ft. Horizontal resolution of the two conductors is hard with the 300ft. cable. The conductor at 2S has a coincident VLF/Mag response. This line was not read with I.P. I feel these two conductors are legitimate and not related to the railway.

L68E- This line has a very strong Max-Min response at 1+50S with a coincident VLF/Mag response.

Again there is a very weak quadrature response on both sides of 12S. I suspect a bedrock ridge at 12S which cuts across all the lines. The Mag and VLF anomalies lie within these broad quadrature lows. There is a weak chareability response on the north flank of the southern Max-Min quadrature response.

L64E- There are several VLF and Mag anomalies on this line with no Max-Min response other than the suspected ridge effect flanking each side of 13S. The strong conductor at 2S is not present but instead there is a large positive reading at 150S. This could be a spike from the railway or it could indicate a break in the conductivity because the conductor appears on the next line to the west.

L62E- This line also has several VLF and Mag anomalies. The Max-Min exhibits the same characteristics as the other lines. There is incomplete coverage to the north but a conductor is developing with a probable center at 0+50S.

Induced Polarization Survery

As requested, the Pole-Pole Lateral array was used. There are several weak I.P. anomalies but they do not seem to correlate with the other surveys. I feel that one or two lines should be read with a Dipole-Dipole array to confirm that this technique is sufficient to discriminate the VLF/Mag anomalies.

Summary

With incomplete coverage it is hard to assess the area properly. the previous I.P. survey seems to have been only run on selected lines. As well, an 'a' spacing of 300ft. was used for most of it. I would recommend a more systematic approach on the entire property. A correlation of all geophysics done to date would be beneficial in determining what techniques are working and what should be done in the future.

If more I.P. is considered, I would recommend the following parameters: - 'a' spacing of 100ft.

- Dipole-Dipole electrode array
- N= 1,2,3, to be read
- a maximum line spacing of 400ft. to be read

We have found that Fraser Filtering the chargeabilities and apparent resistivities gives an excellent overview of the geology when contoured on two seperate plan maps. We routinely filter the data on our field computer using software that we have developed in the last year.

If you have any questions, please give me a call.

RJM/rjm

Yours truly,

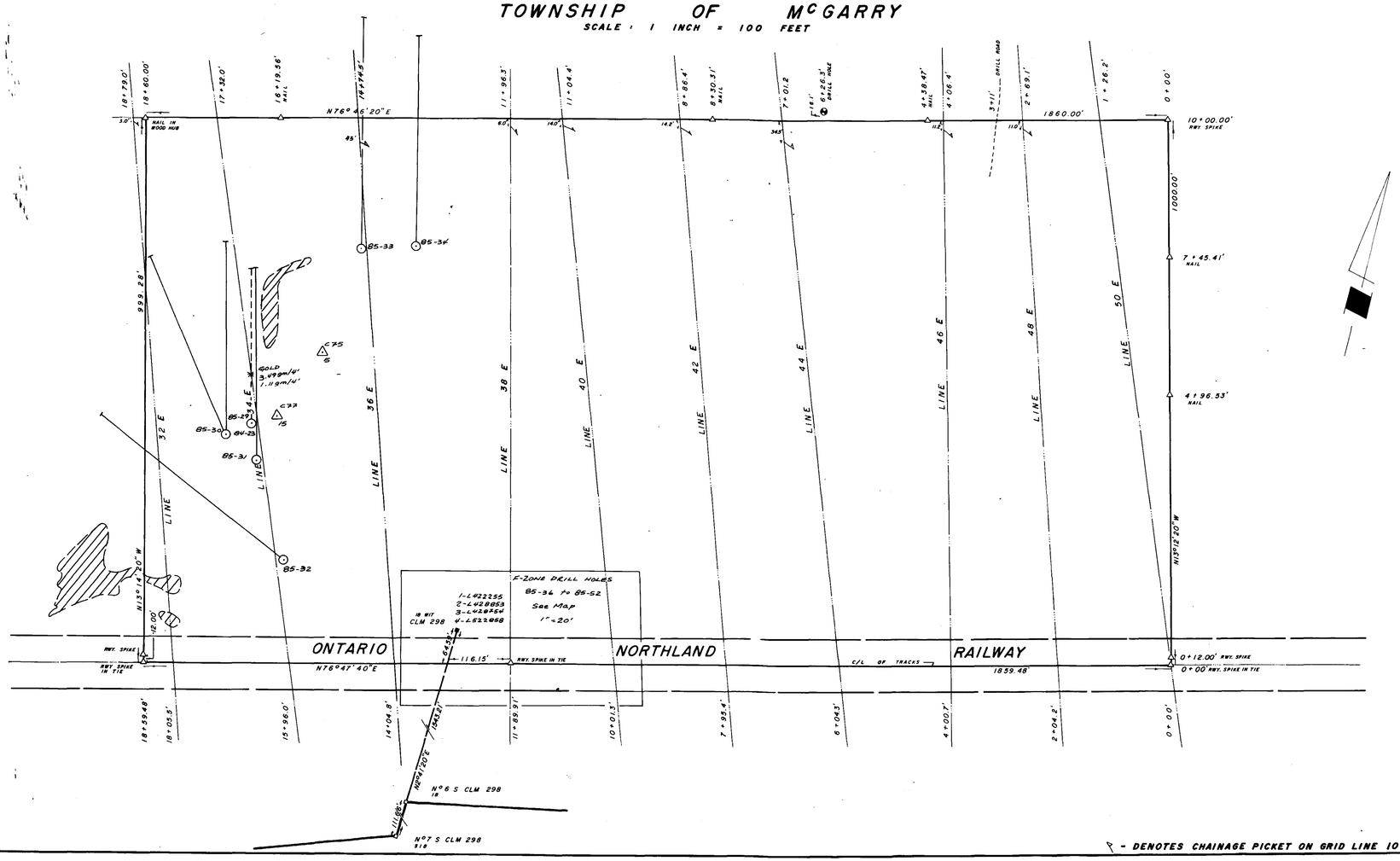
R.J. Meikle
Rayan Exploration Ltd

BASE & GRID LINE CONTROL
NORTH OF O.N.R. TRACKS

CLM 298

TOWNSHIP OF McGARRY

SCALE : 1 INCH = 100 FEET



A - DENOTES CHAINAGE PICKET ON GRID LINE 10+00

LEGEND

DIAMOND DRILL HOLE 85-31

GOLD PIECES / CUBIC FOOT IN LODGMENT TILL ..... C77 / 15

QUARTZ ZONE PROJECTED VERTICALLY FROM EARLIER DRILLING .....

CLAIM POST .....

REGISTERED PROFESSIONAL ENGINEER H. A. LEE PROVINCE OF ONTARIO

McGARRY GOLD PARTNERSHIP

1985 DIAMOND DRILLING

STUMP POND SITE, DRILL HOLES 85-29 to 34

AZA PROPERTY OM85-40

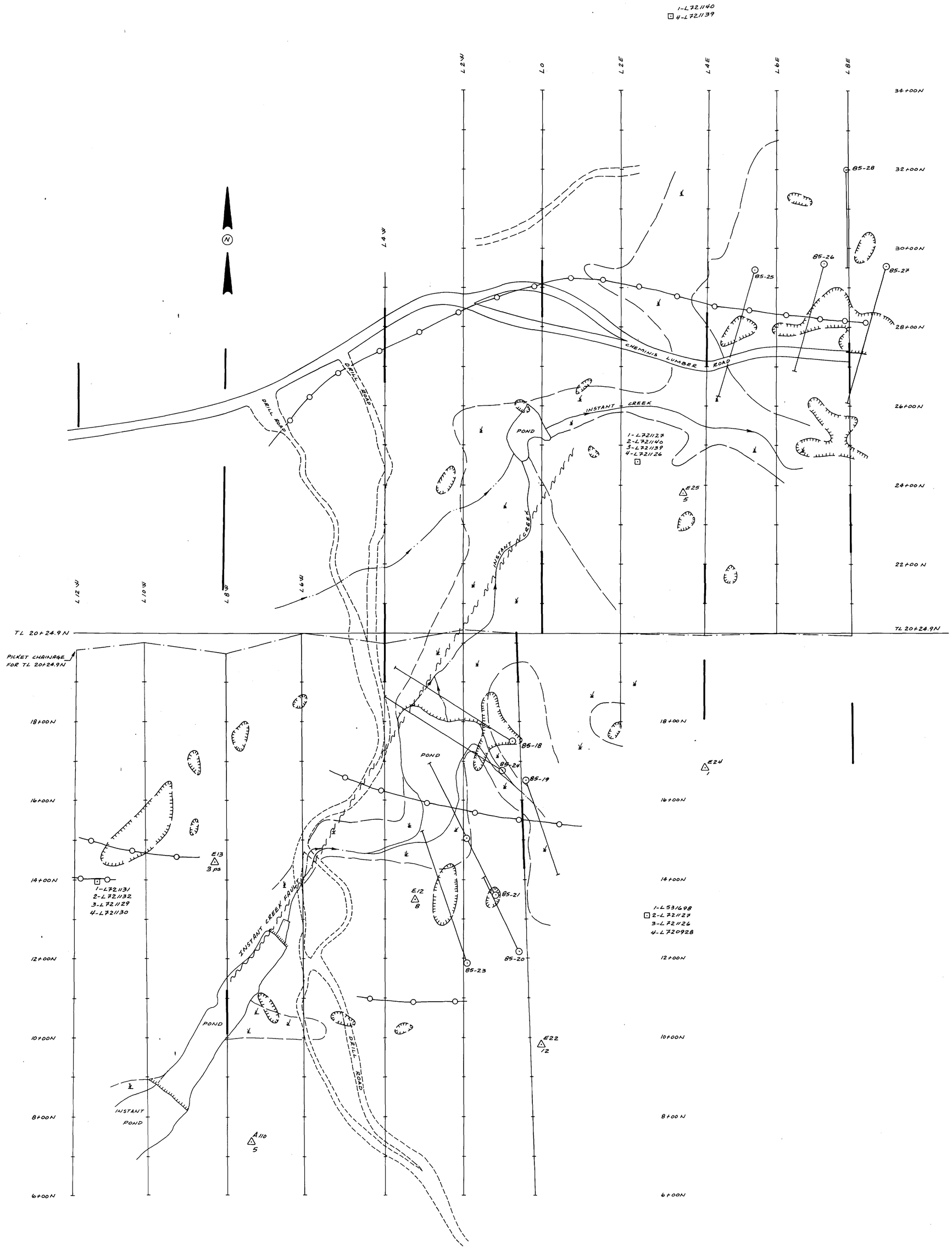
McGARRY TOWNSHIP 63.4638

0 50 100 METRES

0 200 400 FEET

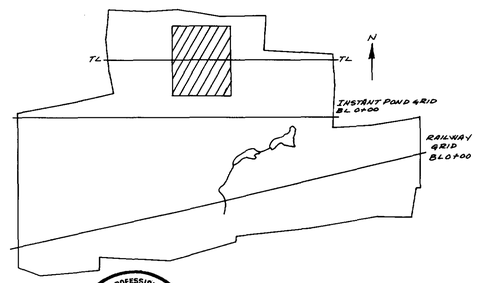
LEE GEO-INDICATORS LTD.

DWG. FROM H.A.LEE FEB., 1986



LEGEND

- DIAMOND DRILL HOLE
- AREA OF > 4 PPB Au IN SPRUCE NEEDLE DUFF
- FAULT (POSITION APPROXIMATE)
- VLF-EM CONDUCTOR 725 FRASER FILTER VALUES
- MAGNETIC RIDGE
- GOLD PIECES / CUBIC FOOT IN LODGEMENT TILL — E25 / 5
- CLAIM POST



REGISTERED PROFESSIONAL ENGINEER
H. A. LEE
PROVINCE OF ONTARIO

McGARRY GOLD PARTNERSHIP

1985 DIAMOND DRILLING

INSTANT CREEK SITE OF INSTANT POND GRID

AZA PROPERTY OM85-40

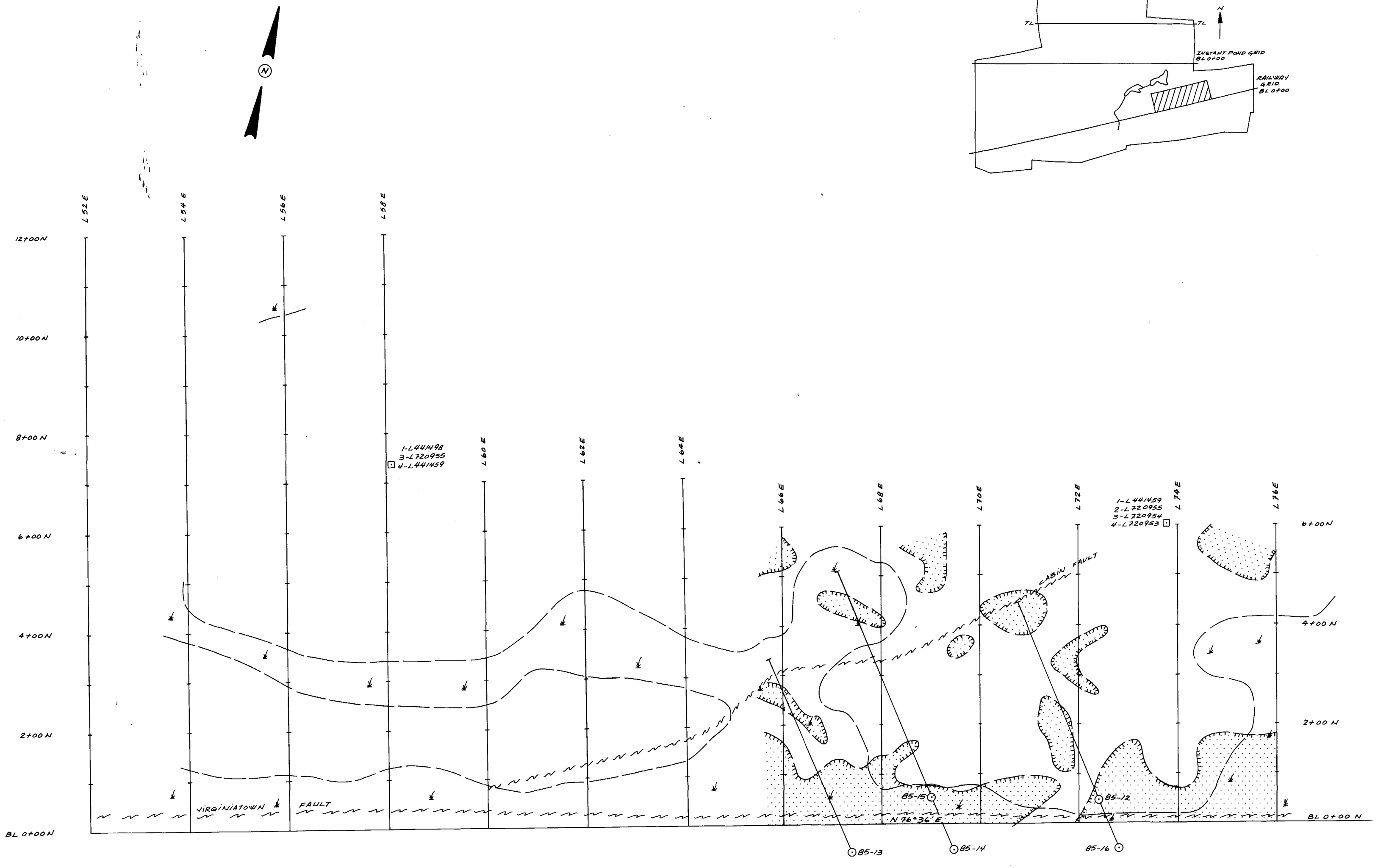
McGARRY TOWNSHIP 63.4638

0 50 100 METRES

0 200 400 FEET

LEE GEO-INDICATORS LTD.

DWG. FROM H.A.LEE FEB., 1986



LEGEND

DIAMOND DRILL HOLE ..... ⊙—

AREA OF > 25 PPB AU IN SPRUCE NEEDLE DUFF .....

FAULT (POSITION APPROXIMATE) ..... NNNN

CLAIM POST ..... ⊡

REGISTERED PROFESSIONAL ENGINEER
H. A. LEE
PROVINCE OF ONTARIO

McGARRY GOLD PARTNERSHIP

1985 DIAMOND DRILLING

EAST CREEK SITE OF RAILWAY GRID

AZA PROPERTY OM85-40

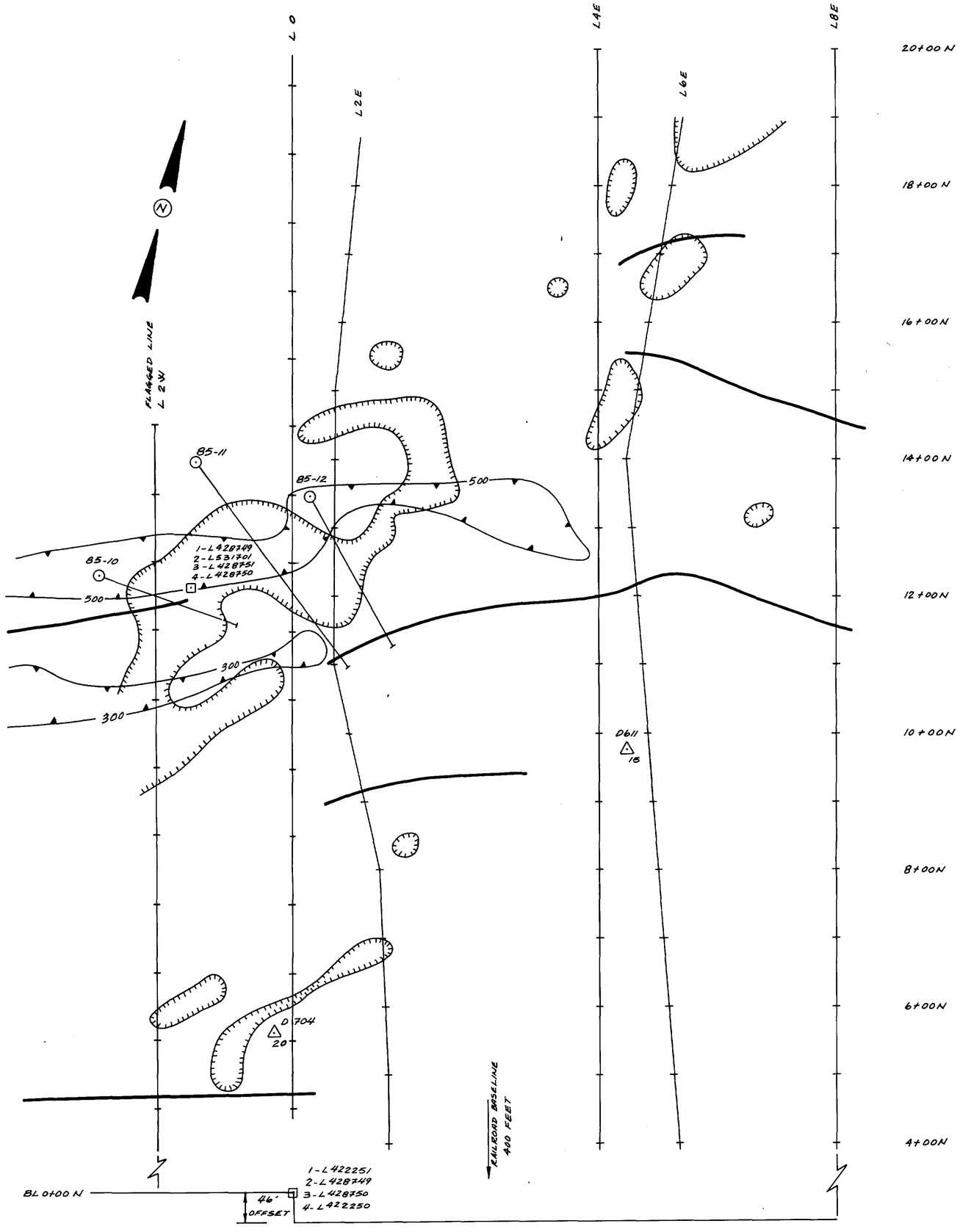
McGARRY TOWNSHIP 63.4638

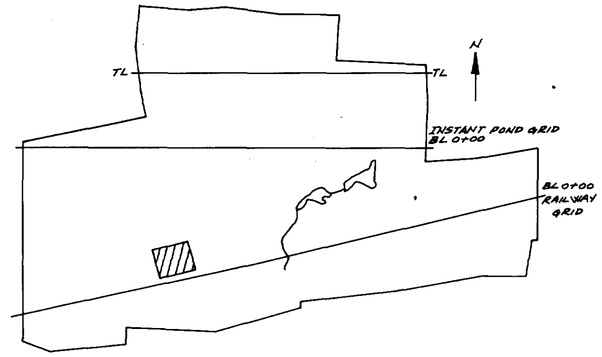
0 50 100 METRES

0 200 400 FEET

LEE GEO-INDICATORS LTD.

DWG. FROM: H.A. LEE FEB., 1986





LEGEND

- DRILL HOLE 85-10
- TOTAL MAGNETIC FIELD CONTOURED DEPRESSION (GAMMAS) 80
- AXIS OF VLF CONDUCTOR .....
- AREA OF ANOMALOUS GOLD IN SPRUCE NEEDLE DUFF (GREATER THAN 4PPB) .....
- LODGMENT TILL SAMPLE NUMBER (D611) D611
- PIECES OF GOLD PER CUBIC FOOT 15
- CLAIM POST .....

REGISTERED PROFESSIONAL ENGINEER
H. A. LEE
PROVINCE OF ONTARIO

McGARRY GOLD PARTNERSHIP

1985 DIAMOND DRILLING

MILE 28 SITE OF RAILWAY GRID

AZA PROPERTY OM85-40

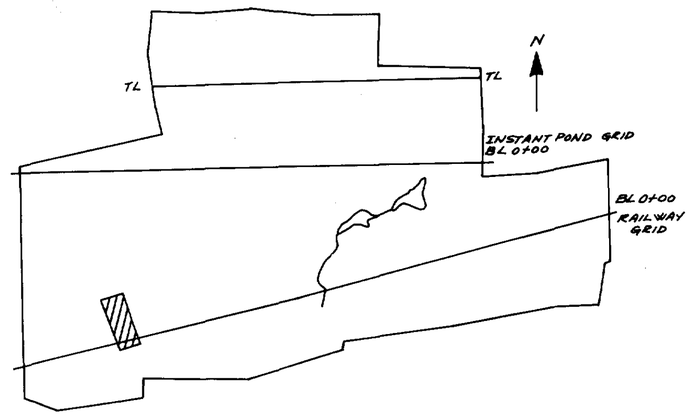
McGARRY TOWNSHIP 63.4638

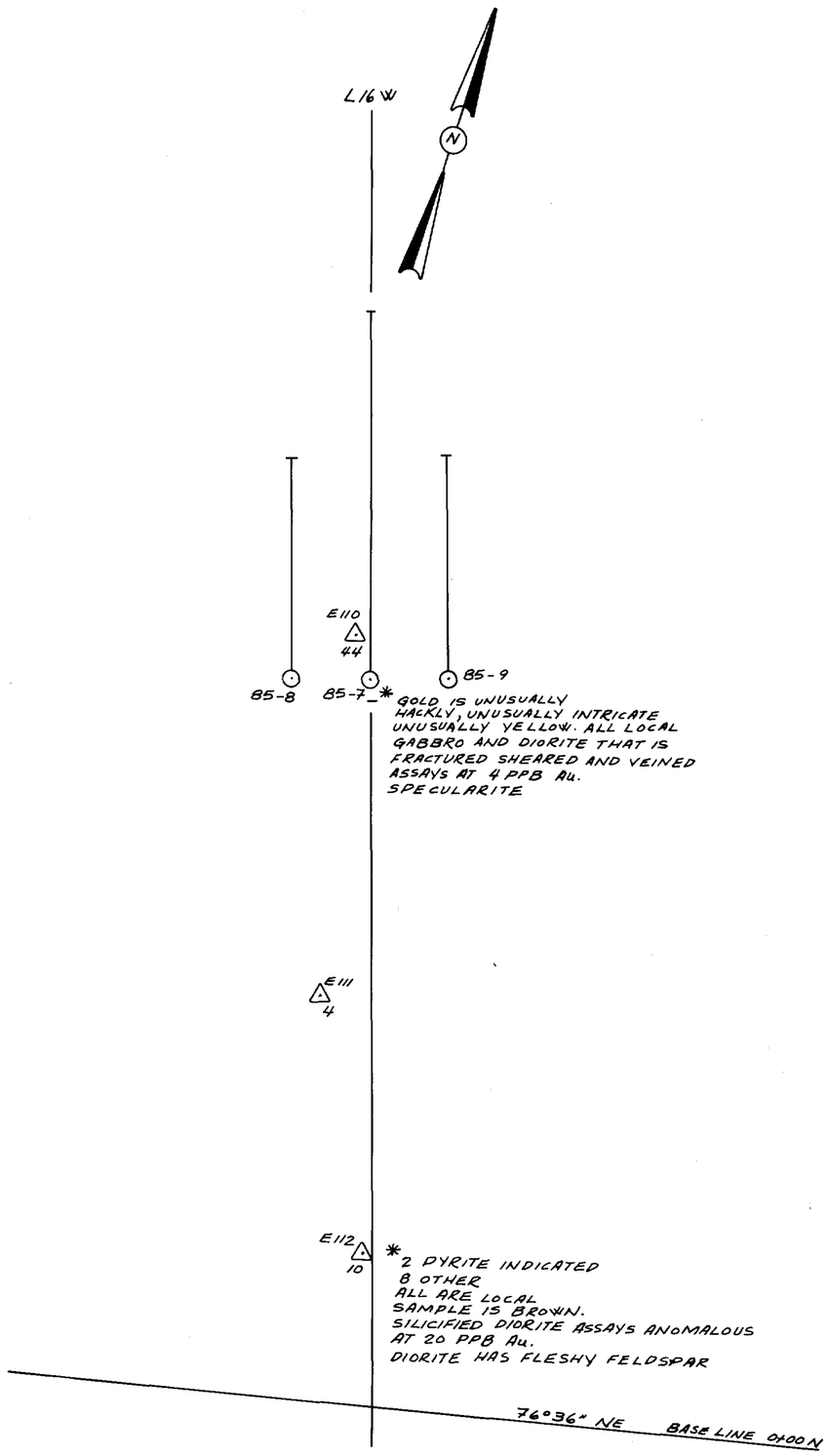
0 50 100 METRES

0 200 400 FEET

LEE GEO-INDICATORS LTD.

DWG. FROM H.A.LEE FEB., 1986





LEGEND

DIAMOND DRILL HOLE.....

LODGMENT TILL SAMPLE NUMBER (E111) AND PIECES OF GOLD PER CUBIC FOOT (4).... E11 4

GEO-INDICATOR CLASTS IN TILL..... *

REGISTERED PROFESSIONAL ENGINEER
H. A. LEE
PROVINCE OF ONTARIO

McGARRY GOLD PARTNERSHIP

1985 DIAMOND DRILLING

LINE 16 W RAILWAY GRID

OM85-40

AZA PROPERTY

63.4638

McGARRY TOWNSHIP

0 50 100 METRES

0 200 400 FEET

LEE GEO-INDICATORS LTD.

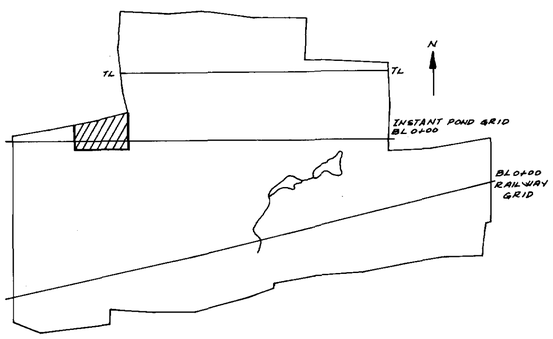
DWG. FROM H.A.LEE FEB., 1986

L 48 W
L 46 W
L 44 W
L 42 W
L 40 W
L 38 W
L 36 W
L 34 W
L 32 W

8+00N
6+00N
4+00N
2+00N
INSTANT POND
0+00
2+00S
4+00S
6+00S
8+00S
10+00S

1-L721134
0+00 RAILWAY GRID
Feldspar Porphyry
OLD WINTER ROAD
1-L721136
4-L531700
74°
E81 8
E78 12
85-6
E92 16
85-5
E91 0
2-L721134
3-L721131
85-1
E79 4
SWEAT POND
85-2
E83 4
B35 13
85-3
E93 12
85-4
E86 2
E80 3
E84 5
INTERMITTENT CREEK
RMD 13
E88 5

N



LEGEND

- DIAMOND DRILL HOLE
- LODGMENT TILL SAMPLE NUMBER (EB3) AND PIECES OF GOLD PER CUBIC FOOT (4) — E83 4
- AREA OF CARBONATIZED ROCK
- SHEAR IN OUTCROP
- AXIS OF VLF CONDUCTOR
- CLAIM POST

REGISTERED PROFESSIONAL ENGINEER
H. A. LEE
PROVINCE OF ONTARIO

McGARRY GOLD PARTNERSHIP

1985 DIAMOND DRILLING

SWEAT POND SITE OF INSTANT POND GRID

AZA PROPERTY

McGARRY TOWNSHIP

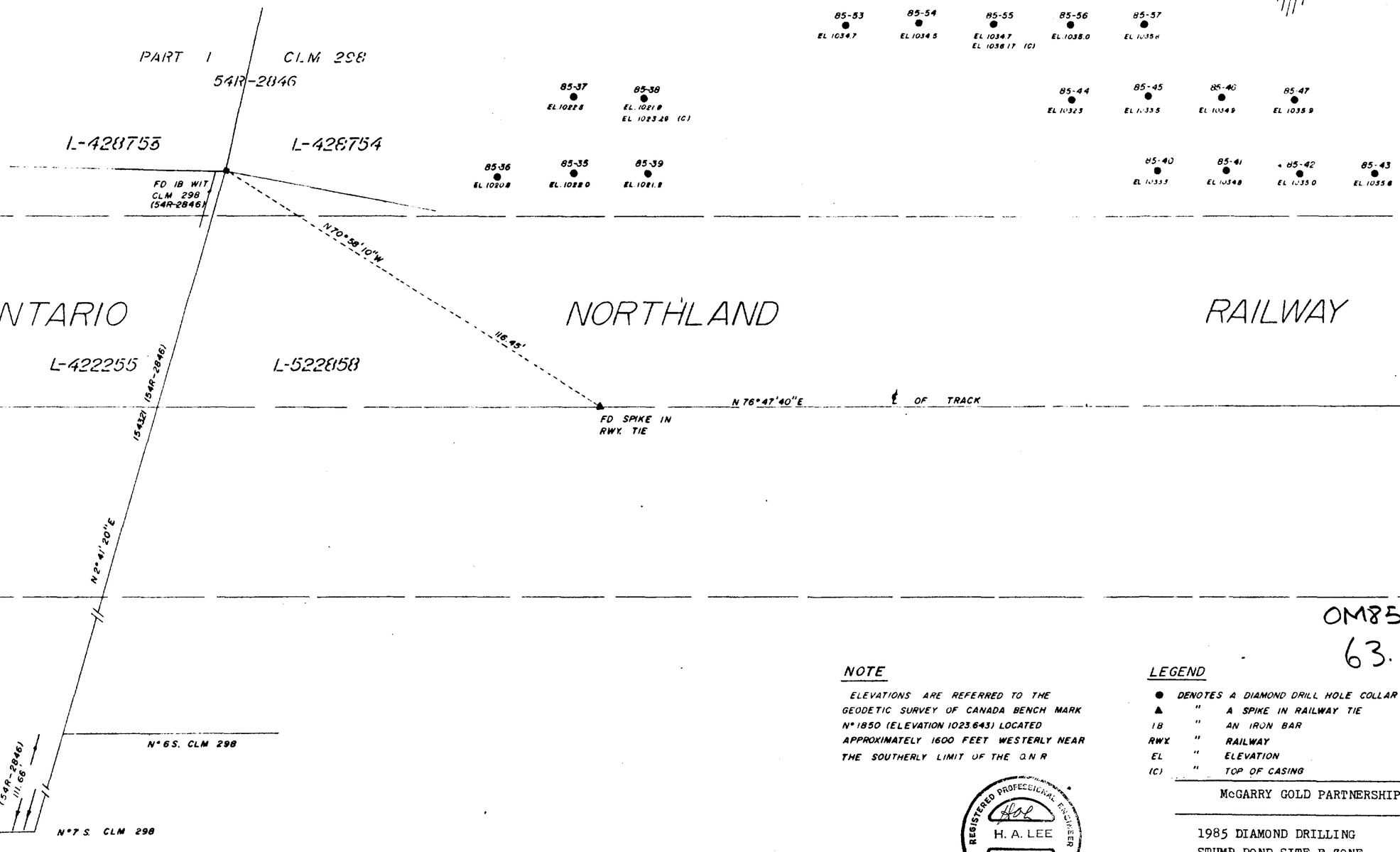
0 50 100 METRES
0 200 400 FEET

LEE GEO-INDICATORS LTD.

DWG. FROM H.A LEE FEB., 1986

SKETCH SHOWING LOCATION OF DRILL COLLARS
NORTH OF O.N.R. TRACKS
CLM 298
TOWNSHIP OF McGARRY

SCALE 1 INCH = 20 FEET
B. G. COOK, O.L.S.
1985



NOTE

ELEVATIONS ARE REFERRED TO THE GEODETIC SURVEY OF CANADA BENCH MARK N° 1850 (ELEVATION 1023.643) LOCATED APPROXIMATELY 1600 FEET WESTERLY NEAR THE SOUTHERLY LIMIT OF THE O.N.R

REGISTERED PROFESSIONAL ENGINEER
H. A. LEE
PROVINCE OF ONTARIO

LEGEND

- ● DENOTES A DIAMOND DRILL HOLE COLLAR
- ▲ " A SPIKE IN RAILWAY TIE
- IB " AN IRON BAR
- RWY. " RAILWAY
- EL " ELEVATION
- (C) " TOP OF CASING

McGARRY GOLD PARTNERSHIP

1985 DIAMOND DRILLING
STUMP POND SITE F ZONE

Lee Geo-Indicators Ltd. 1985

OM85-40
63.4638

McGARRY GOLD PARTNERSHIP

OM85-40

63.4638

NTS 32D/4

LARDER LAKE MINING DIVISION , ONTARIO

0 100 200 300 400 500 METRES

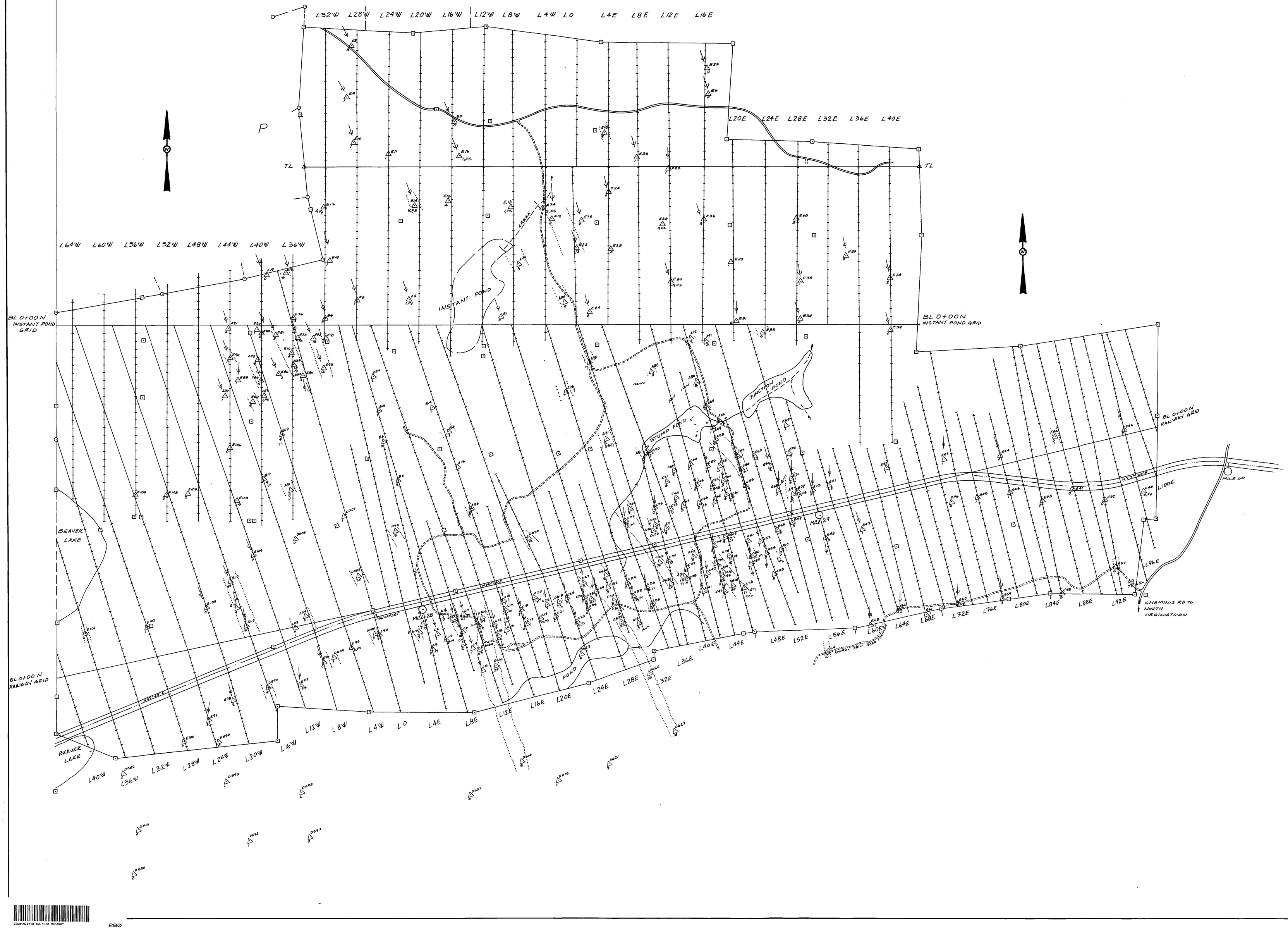
0 400 800 1200 1600 FEET

Declination 12°W

LEE GEO-INDICATORS LIMITED

STITTSVILLE , ONT. REVISED

DWG. FROM



LEGEND

SAMPLE POINTS ..... △E13

PIECES OF GOLD IN ONE - CUBIC FOOT OF BASAL LODGEMENT TILL 2

GLACIAL STRIATIONS .....

TRAINS OF GOLD PIECES .....

BY: R.A. ANDERSON, T. MIRON, H.A. LEE

REGISTERED PROFESSIONAL ENGINEER
H. A. LEE
PROVINCE OF ONTARIO

OM85-40
63.4638

McGARRY GOLD PARTNERSHIP

GOLD PIECES IN BASAL LODGEMENT TILL

AZA PROPERTY

NTS 32D/4

LARDER LAKE MINING DIVISION, ONTARIO

0 100 200 300 400 500 METRES

0 400 800 1200 1600 FEET

Declination 12°W

LEE GEO-INDICATORS LIMITED

STITTSVILLE, ONT. REVISED

DWG. FROM JUNE, 1985

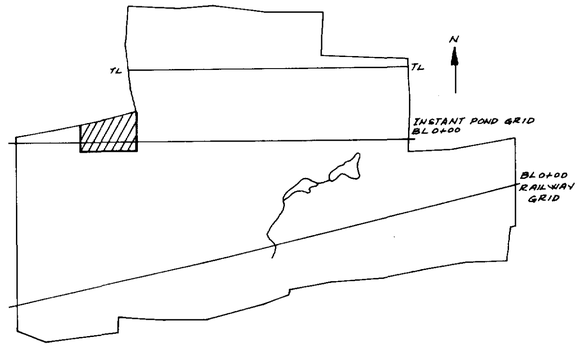
L 48 W
L 46 W
L 44 W
L 42 W
L 40 W
L 38 W
L 36 W
L 34 W
L 32 W
8+00N
6+00N
4+00N
2+00N
INSTANT POND
0+00
2+00S
4+00S
6+00S
8+00S
10+00S
L 0+00W RAILWAY GRID
E18 1 LOCAL
E19 0
E77 6 2 pyrite-indicated 4 others ALL Local Epidote
OLD WINTER ROAD
E76 3 All Local Epidote
E4 0
E21 0
E20 1 large Local
E82 2
E81 6 2 pyrite-source indicated 1 quartz vein indicated 5 others All local Epidote
E78 12 12 pyrite-indicated All Local Epidote Blue-black quartz with tourmaline Fg basalt veined fractured gabbro, Siliceous feldspar porphyry
E92 16 4 pyrite-indicated 12 others coarse magnetite assays .21 ppm Ag. Magnetic zone. IS intergrowth of magnetite-ilmenite-hematite- Basalt with chlorite-quartz-feldspar vein Pyrite in basalt assays 3 ppB Granodiorite with pink feldspar Fractured sheared mafic assays < 1 ppB Red hematitic rock assays 3 ppB
E91 0 Zircon Syenite
E79 4 1 Pyrite-indicated 2 shear indicated 1 other All local Jasper Hematite
E90 11 4 pyrite-indicated 7 others All Local Pink feldspar, syenite
E83 4 1 pyrite-indicated 3 others All Local fg. basalt with veins assays 16 ppB Hematized red rock assays 4 ppB
E86 2 1 quartz vein or shear indicated 10 other Epidote
B35 13 All local Float possibly outcrop Highly mineralized quartz-carbonate, pyrite-chlorite shear
E80 3 All local
E93 12 4 pyrite-indicated 1 shear-indicated 1 vein quartz 6 others Phlogopite Veined fractured volcanics assay 23 ppB Red altered rock Basalt Amygdaloidal basalt Granodiorite Jasper or hematitic red rock assays < 1 ppB
SWEAT POND
ROAD
INTERMITTENT CREEK
E85 1 pyrite-indicated Serpentine
E84 5 1 pyrite-indicated 1 quartz or shear indicated 3 others All local Epidote Zircon
E89 1 1 local Pyroxene
E87 1, PS 1 vein quartz-indicated Serpentine chlorite
E88 5 1 Shear or pyrite-indicated 4 others All local Reddish brown sample Minor mica

REGISTERED PROFESSIONAL ENGINEER H. A. LEE PROVINCE OF ONTARIO

LEGEND

SAMPLE LOCATION ..... △
SAMPLE NUMBER E83
NUMBER OF PIECES OF GOLD IN A CUBIC FOOT 2
GOLD-PIECE CONTOURS 8
GLACIAL STRIATIONS ..... ↓
GEO-INDICATOR CLASTS IN TILL ..... As shown
DRILL HOLES RECOMMENDED ..... ⊙ OM85-10

63.4638



McGARRY GOLD PARTNERSHIP

GOLD IN LODGMENT TILL

SWEAT POND SITE OF INSTANT POND GRID

AZA PROPERTY

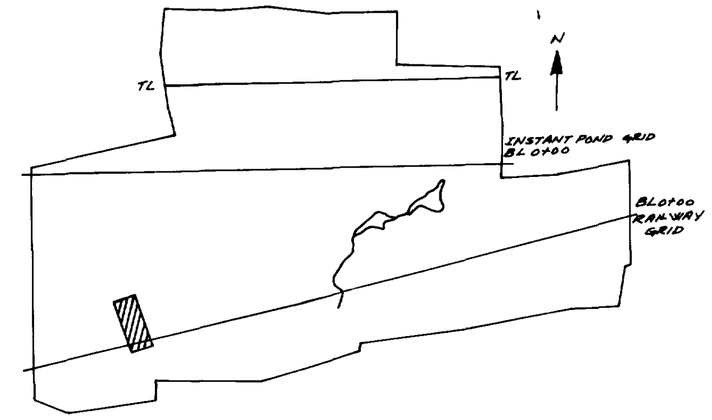
McGARRY TOWNSHIP

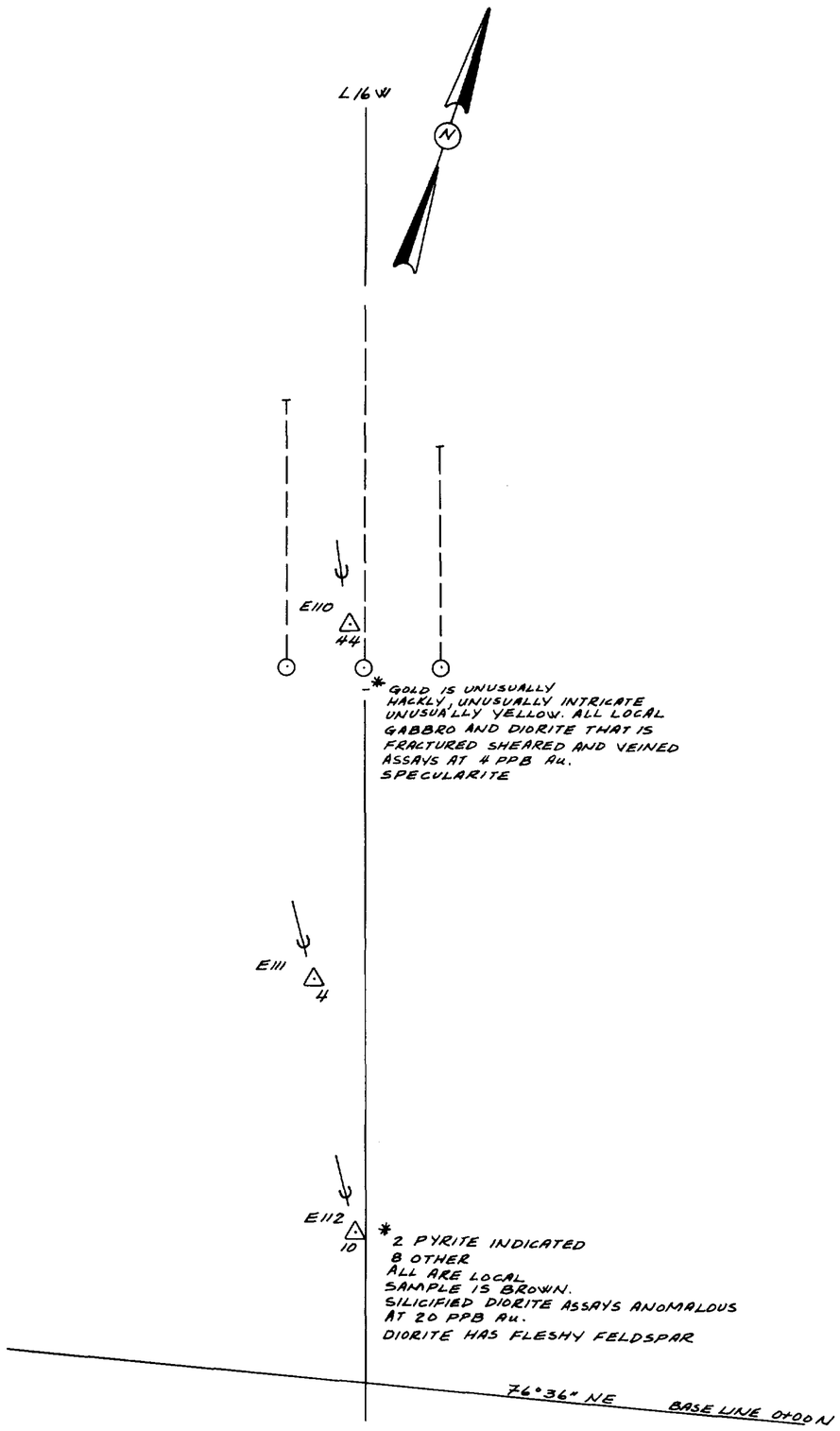
0 50 100 METRES

0 200 400 FEET

LEE GEO-INDICATORS LTD.

DWG. FROM R. ANDERSON JUNE, 1985





LEGEND

SAMPLE LOCATION	△
SAMPLE NUMBER	E110
NUMBER OF PIECES OF GOLD IN ONE CUBIC FOOT	44
GOLD PIECES (CONTOURS)	8
GLACIAL STRIATIONS	↘
DRILL HOLES RECOMMENDED	⊙--⊣
GEO-INDICATOR OF CLASTS IN TILL	*

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H. A. LEE
PROVINCE OF ONTARIO

OM85-40
63.4638

McGARRY GOLD PARTNERSHIP

GOLD IN LODGMENT TILL
LINE 16W RAILWAY GRID

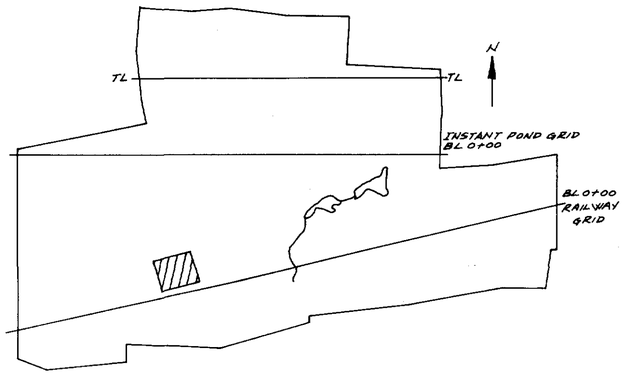
AZA PROPERTY

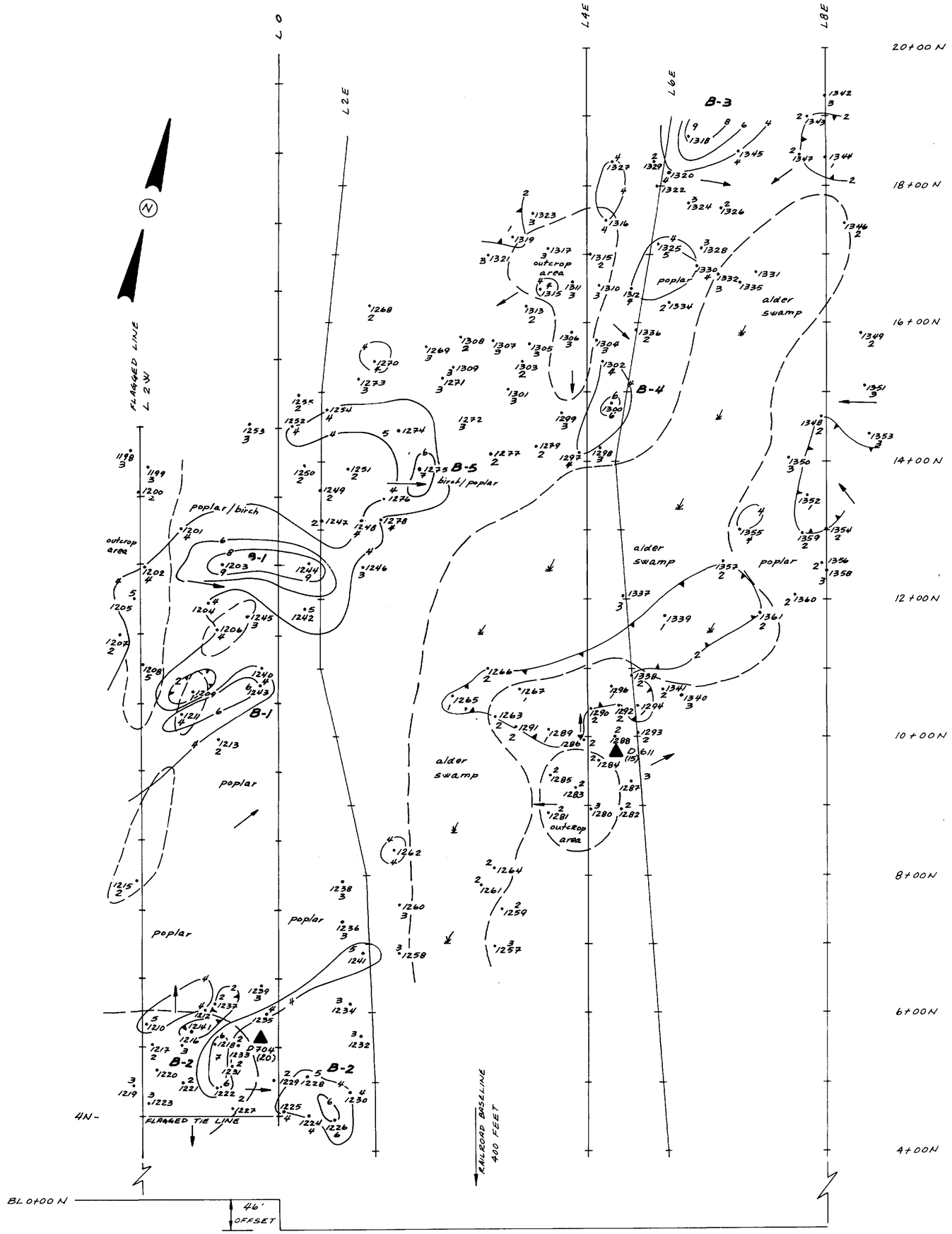
McGARRY TOWNSHIP

0 50 100 METRES
0 200 400 FEET

LEE GEO-INDICATORS LTD.

DWG. FROM H.A.LEE JULY, 1985





LEGEND

BIOGEOCHEMICAL SAMPLE ..... •

SAMPLE NUMBER 1243

GOLD PPB BY INNA 20

BASAL LODGMENT TILL SAMPLE ..... ▲ D611 (20)

DOWNWARD LAND SLOPE .....

OM85-40
63.4638

McGARRY GOLD PARTNERSHIP

BIOGEOCHEMICAL GOLD VALUES

MILE 28 SITE OF RAILWAY GRID

AZA PROPERTY

McGARRY TOWNSHIP

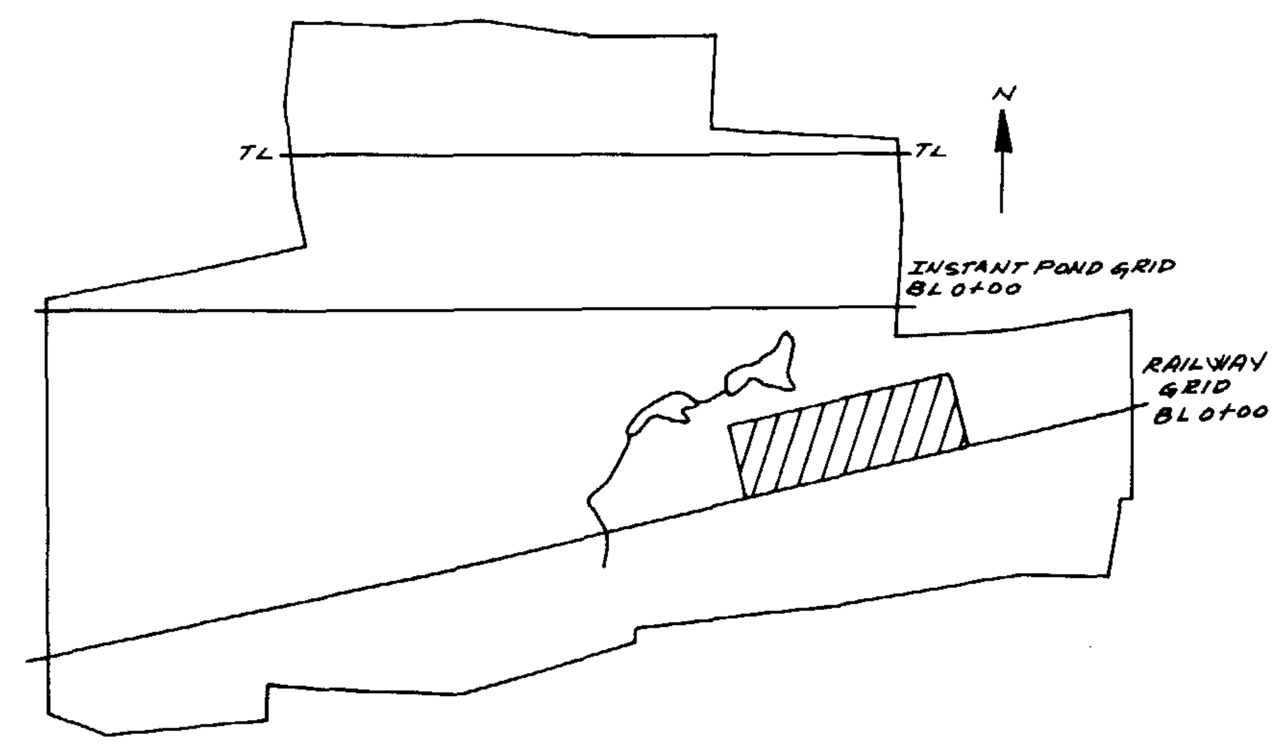
0 50 100 METRES

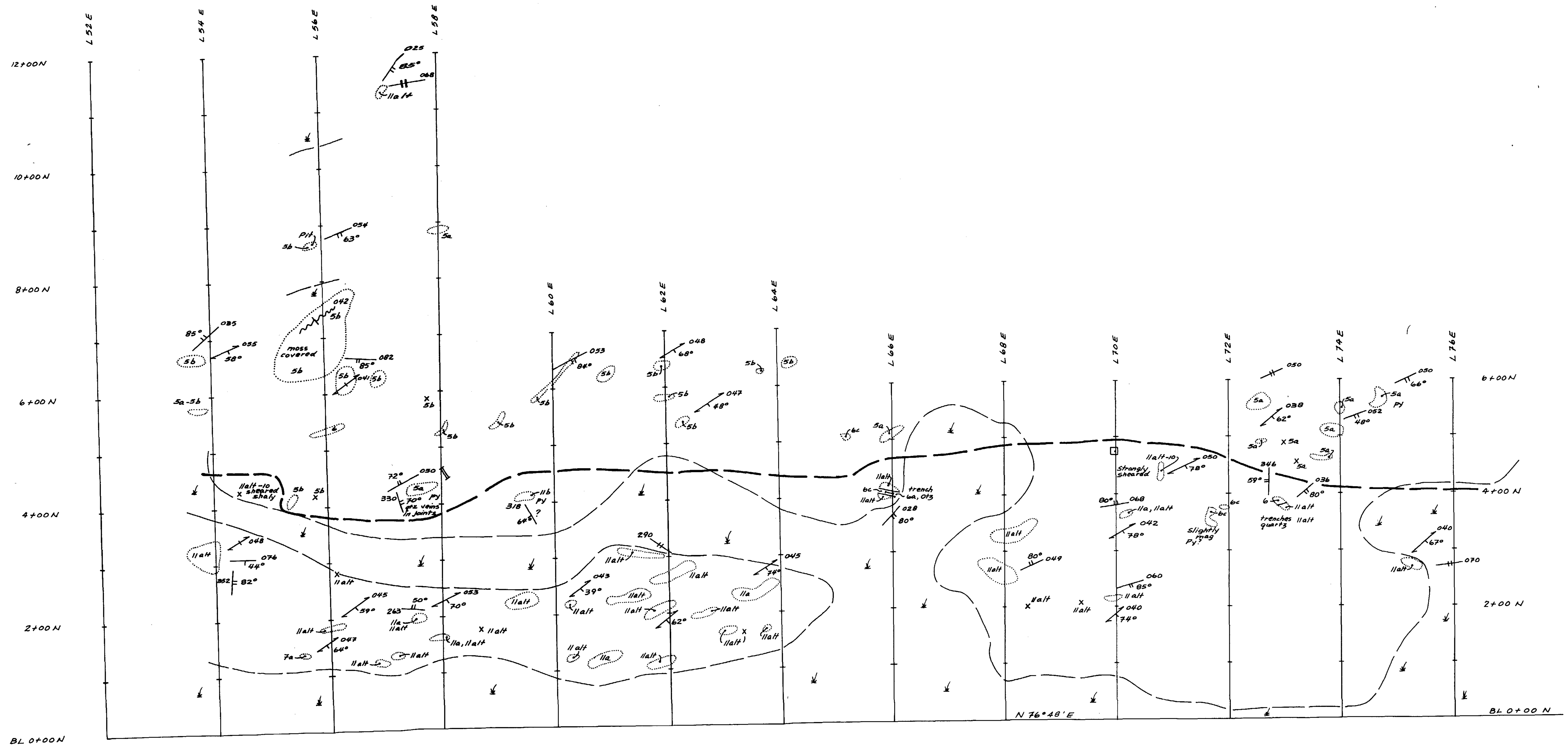
0 200 400 FEET

LEE GEO-INDICATORS LTD.

FROM: S.A.SCOTT CHECKED BY: H.A.LEE AUG., 1985

FIG. 3b, 4b





LEGEND

11 alt	ALTERED, CHLORITIC, SHEARED GREY SANDSTONE
11	11a GREY SANDSTONE WITH GREY, GREY-GREEN, YELLOW MUDCHIPS 11b GREY SANDSTONE
10	CHLORITE TECTONITE
6	PINK SYENITE 6a PYROXENE SYENITE 6c SYENITE PORPHYRY
5	JASPER SANDSTONE 5a WITH IRON CARBONATE 6-30% 5b WITH IRON CARBONATE >30%

JOINT STRIKE AND DIP
FOLIATION STRIKE AND DIP
SHEAR STRIKE AND DIP
FAULT
BEDDING STRIKE AND DIP
OUTCROP AREA ; OUTCROP
SWAMP AREA
CLAIM POST
ROCK UNIT BOUNDARY : DEFINED
INFERRED
TRENCH

ABBREVIATIONS

Py PYRITE
mag MAGNETIC
qtz QUARTZ

OM85-40
63.4638

McGARRY GOLD PARTNERSHIP

BEDROCK GEOLOGY

EAST CREEK SITE OF RAILWAY GRID

AZA PROPERTY

McGARRY TOWNSHIP

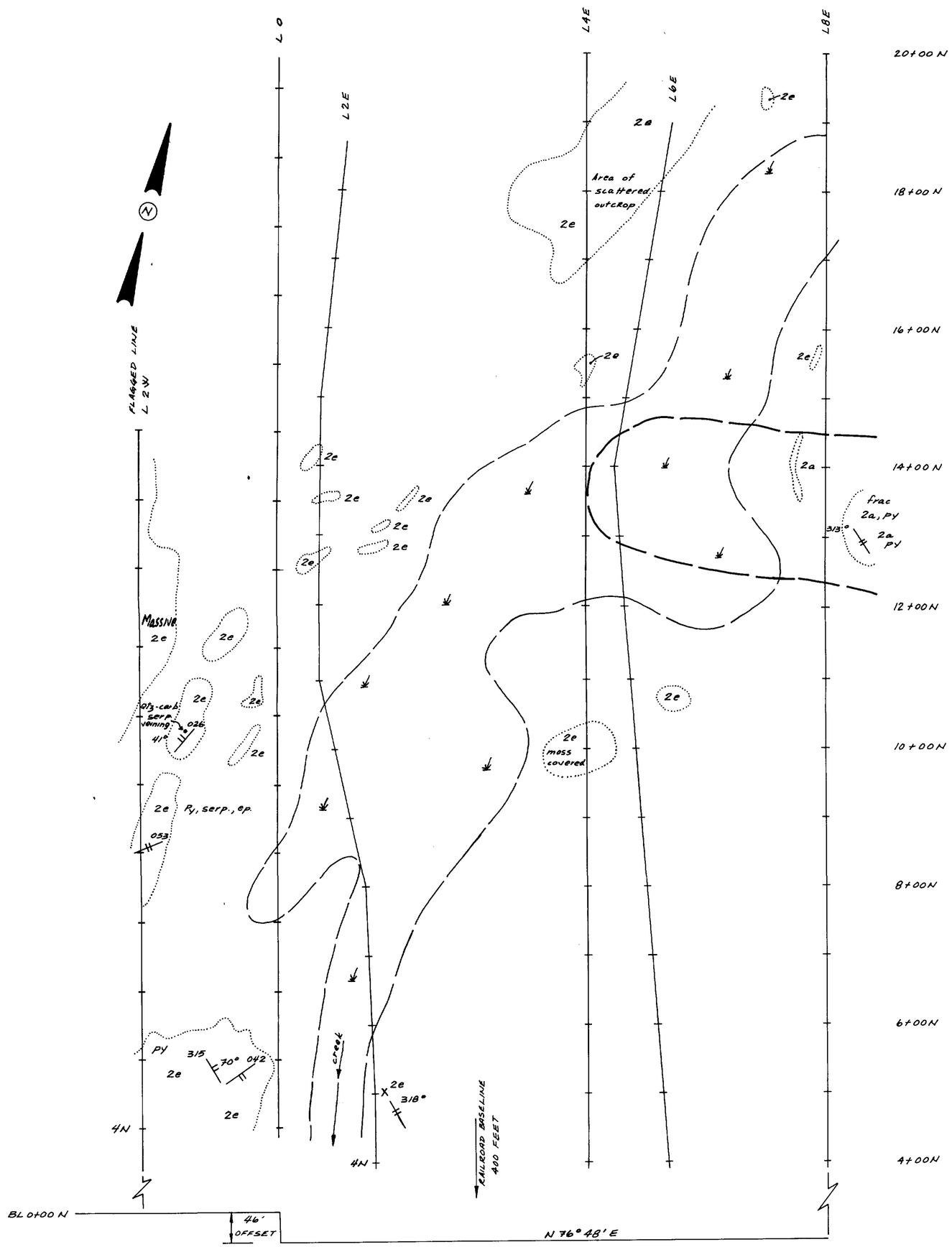
0 50 100 METRES
0 200 400 FEET

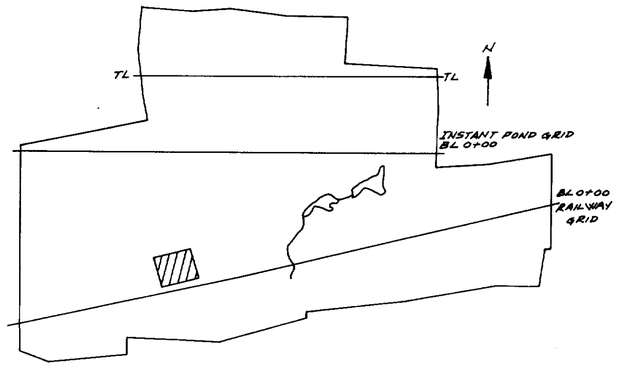
LEE GEO-INDICATORS LTD.

FROM: R. ANDERSON CHECKED BY: H.A. LEE AUGUST, 1985

32D04NE0419 63.4638 McGARRY

400





LEGEND

- 2e — MAGNETIC GABBRO
- 2a — DIORITE

- JOINT STRIKE AND DIP
- FOLIATION STRIKE AND DIP — 20°
- SHEAR STRIKE AND DIP — 30°
- FRACTURE STRIKE AND DIP WITH LINEATION DIRECTION AND PLUNGE — 040, 60°, 20°
- FAULT — 030, 30°
- OUTCROP AREA, OUTCROP — X
- SWAMP AREA
- CLAIM POST
- ROCK UNIT BOUNDARY: DEFINED, INFERRED
- PILLOW TOPS
- BEDDING, STRIKE AND DIP — 04°, 60°

ABBREVIATIONS

Py	Pyrite
Qtz	QUARTZ
Carb	CARBONATE
serp	SERPENTINE
ep	EPIDOTE
frac	FRACTURED

OM85-40
63.4638

McGARRY GOLD PARTNERSHIP

BEDROCK GEOLOGY

MILE 28 SITE OF RAILWAY GRID

AZA PROPERTY

McGARRY TOWNSHIP

0 50 100 METRES

0 200 400 FEET

LEE GEO-INDICATORS LTD.

FROM: R. ANDERSON CHECKED BY: H.A. LEE AUG. 1985

L12W L10W L8W L6W L4W L2W L0 L2E L4E L6E L8E

34+00N 32+00N 30+00N 28+00N 26+00N 24+00N 22+00N TL 20+24.9N 20+00N 18+00N 16+00N 14+00N 12+00N 10+00N 8+00N 6+00N

PICKET CHAINAGE FOR TL 20+24.9N

CHEMINIS LUMBER ROAD

DRILL ROAD

INSTANT CREEK

POND

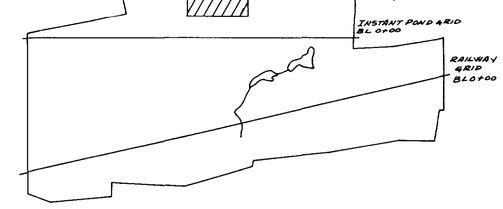
INSTANT POND

LEGEND

TOTAL MAGNETICS IN GAMMAS CONTOURED AT 100 GAMMAS INTERVALS TO 1000 GAMMAS

SURVEY BY SAGAX GEOPHYSICS INC.

INSTRUMENT : SCINTREX MP4



OM85-40
63.4638

McGARRY GOLD PARTNERSHIP

TOTAL MAGNETICS

INSTANT CREEK SITE OF INSTANT POND GRID

AZA PROPERTY

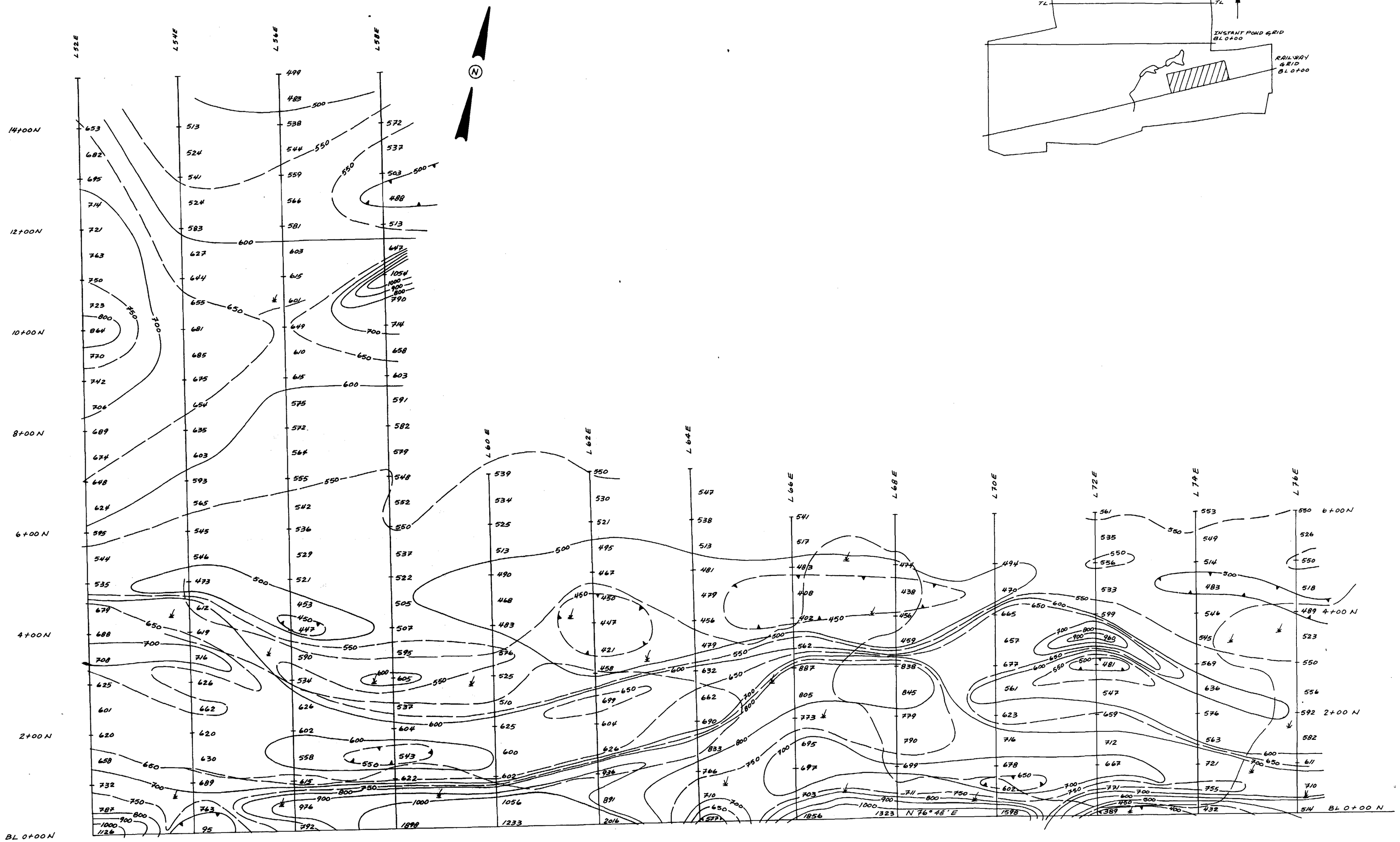
McGARRY TOWNSHIP

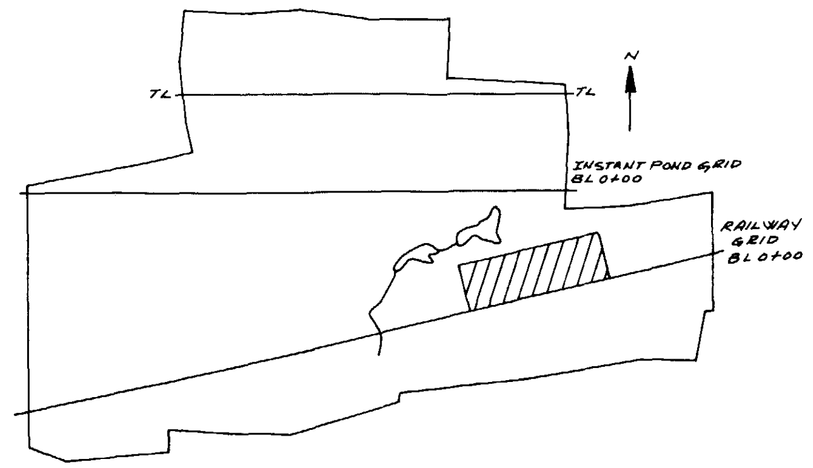
0 50 100 METRES

0 200 400 FEET

LEE GEO-INDICATORS LTD.

FROM : SAGAX GEOPHYSICS CHECKED BY : H.A.LEE AUG. 1985





LEGEND

TOTAL MAGNETIC READINGS IN GAMMAS
CONTOURED AT 50 GAMMA INTERVALS

SURVEY BY SAGAX GEOPHYSICS INC.

INSTRUMENT : SCINTREX MP4

OM85-40
63.4638

McGARRY GOLD PARTNERSHIP

TOTAL MAGNETICS

EAST CREEK SITE OF RAILWAY GRID

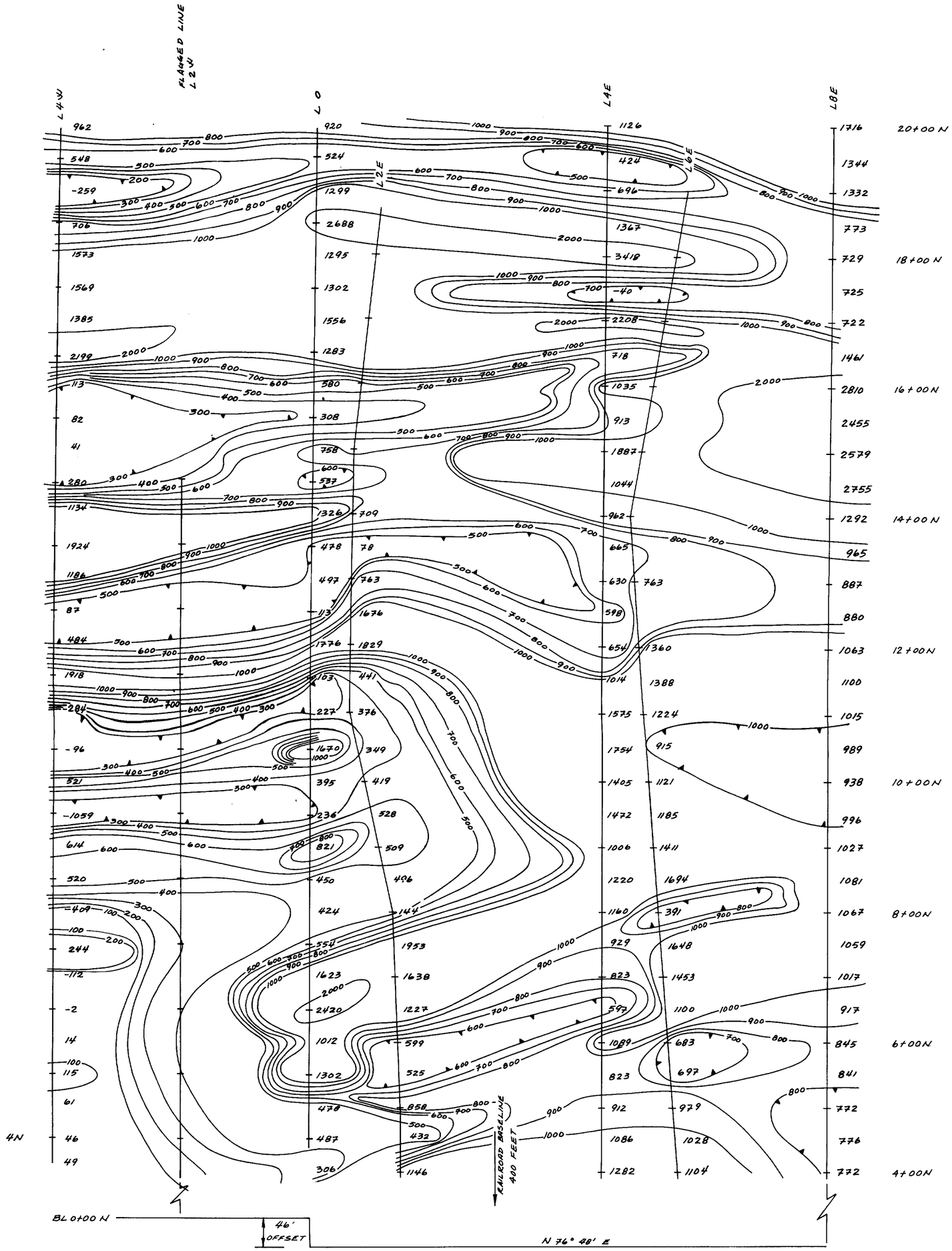
AZA PROPERTY

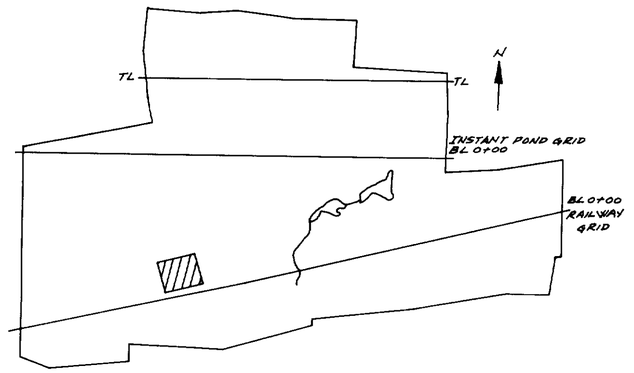
McGARRY TOWNSHIP

0 50 100 METRES
0 200 400 FEET

LEE GEO-INDICATORS LTD.

FROM: SAGAX GEOPHYSICS CHECKED BY: H.A.LEE AUG.,1985





LEGEND

TOTAL MAGNETICS READINGS IN GAMMAS
CONTOURED AT 100 GAMMA INTERVALS
TO 1000 GAMMAS

SURVEY BY SAGAX GEOPHYSICS INC.
INSTRUMENT : SCINTREX MP4

0M85-40
63.4638

McGARRY GOLD PARTNERSHIP

TOTAL MAGNETICS

MILE 28 SITE OF RAILWAY GRID
AZA PROPERTY

McGARRY TOWNSHIP

0 50 100 METRES
0 200 400 FEET

LEE GEO-INDICATORS LTD.

FROM: SAGAX GEOPHYSICS CHECKED BY: H.A.LEE AUG. 1985

L 48 W
L 46 W
L 44 W
L 42 W
L 40 W
L 38 W
L 36 W
L 34 W
L 32 W

8+00N
6+00N
4+00N
2+00N
INSTANT POND
0+00
2+00S
4+00S
6+00S
8+00S
10+00S

LO+00 RAILWAY GRID

OLD WINTER ROAD

SWEAT POND

INTERMITTENT CREEK

ROAD

N

KEY MAP

TL
TL
INSTANT POND GRID BL 0+00
BL 0+00 RAILWAY GRID

LEGEND

TOTAL MAGNETICS CONTOURED AT 300, 400, 500, 600, 1000, 2000 GAMMAS

BY SAGAX GEOPHYSICS INC.

OM85-40

63.4638

McGARRY GOLD PARTNERSHIP

MAGNETOMETER SURVEY

SWEAT POND SITE OF INSTANT POND GRID

AZA PROPERTY

McGARRY TOWNSHIP

0 50 100 METRES

0 200 400 FEET

LEE GEO-INDICATORS LTD.

DWG. FROM R. ANDERSON JUNE, 1985

L 48 W
L 46 W
L 44 W
L 42 W
L 40 W
L 38 W
L 36 W
L 34 W
L 32 W
L 0+00 W RAILWAY GRID

8+00 N
6+00 N
4+00 N
2+00 N
0+00
2+00 S
4+00 S
6+00 S
8+00 S
10+00 S

INSTANT POND

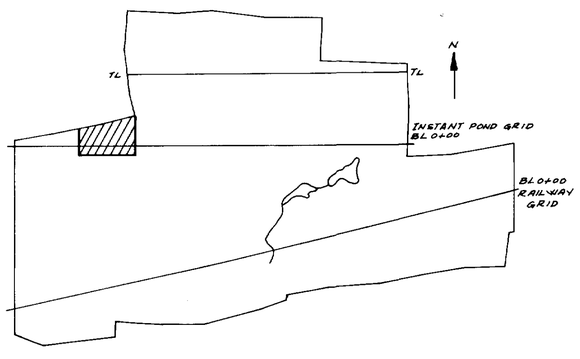
SWEAT POND

INTERMITTENT CREEK

OLD WINTER ROAD

ROAD

0, 30, 60, 90, 120, 150



LEGEND

CONTOURED AT 30 UNIT INTERVALS..... 0, 30, 60, 90, 120, 150

BY SAGAX GEOPHYSICS INC.

McGARRY GOLD PARTNERSHIP

VLF FRASER FILTER VALUES

SWEAT POND SITE OF INSTANT POND GRID

AZA PROPERTY

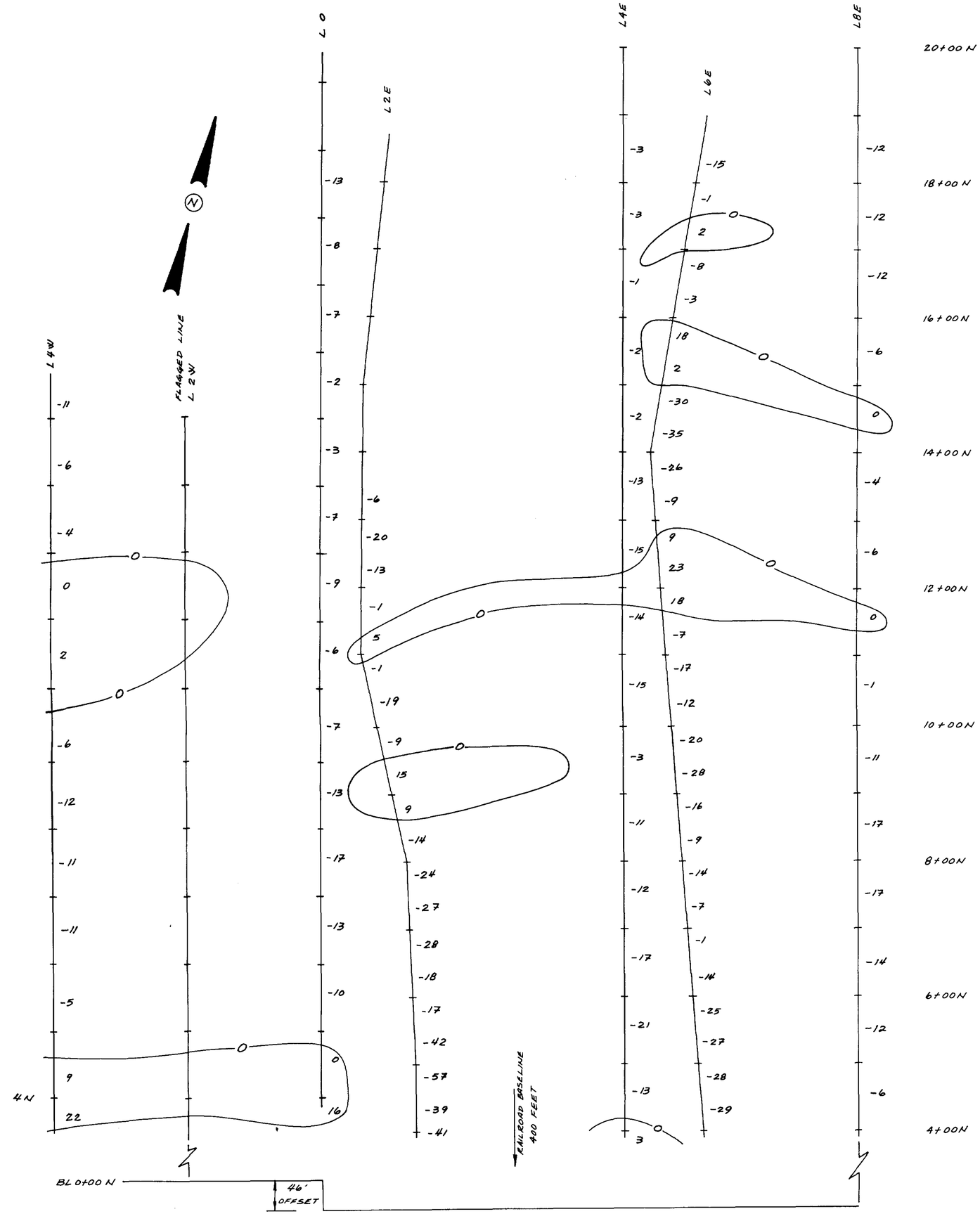
McGARRY TOWNSHIP

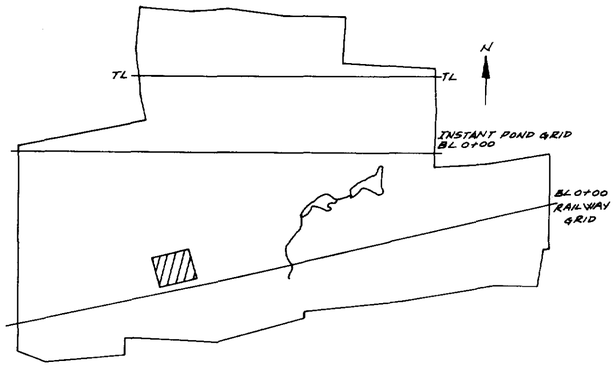
0 50 100 METRES

0 200 400 FEET

LEE GEO-INDICATORS LTD.

DWG. FROM R.ANDERSON JUNE, 1985





LEGEND

CONTOURED AT POSITIVE 25 UNIT INTERVALS

SURVEY BY : SAGAX GEOPHYSICS INC.

TRANSMITTER STATION : NAA CUTLER MAINE

OM85-10

63.4638

McGARRY GOLD PARTNERSHIP

VLF-EM FRASER FILTER VALUES

MILE 28 SITE OF RAILWAY GRID

AZA PROPERTY

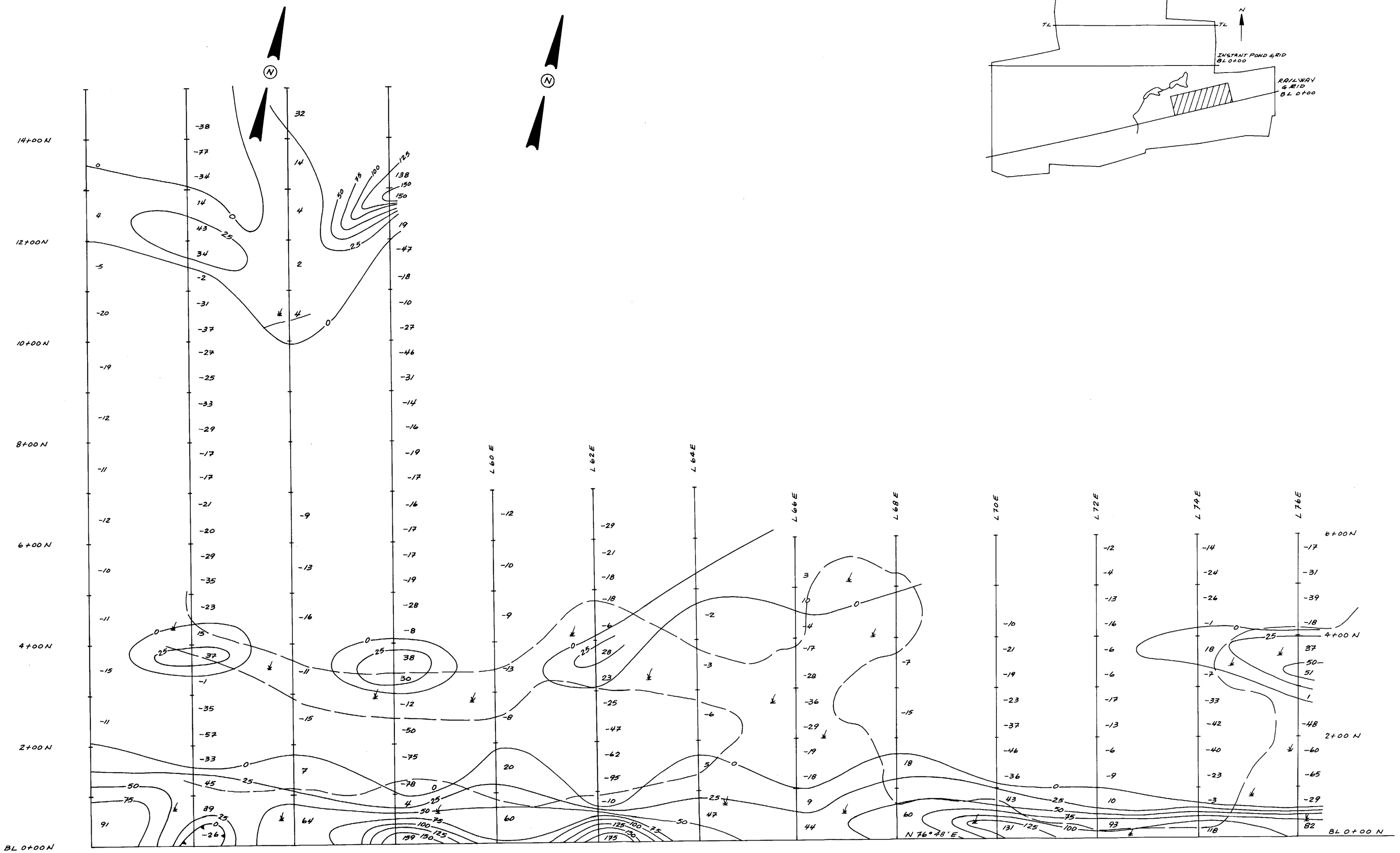
McGARRY TOWNSHIP

0 50 100 METRES

0 200 400 FEET

LEE GEO-INDICATORS LTD.

FROM: SAGAX GEOPHYSICS CHECKED BY: H.A.LEE AUG. 1985



LEGEND

CONTOURED AT POSITNE 25 UNIT INTERVALS
0, 25, 50, 75, 100, 125

SURVEY BY: SAGAX GEOPHYSICS INC.

TRANSMITTER STATION: NAA CUTLER, MAINE

OM85-10
63.4638

McGARRY GOLD PARTNERSHIP

VLF-EM FRASER FILTER VALUES

EAST CREEK SITE OF RAILWAY GRID

AZA PROPERTY

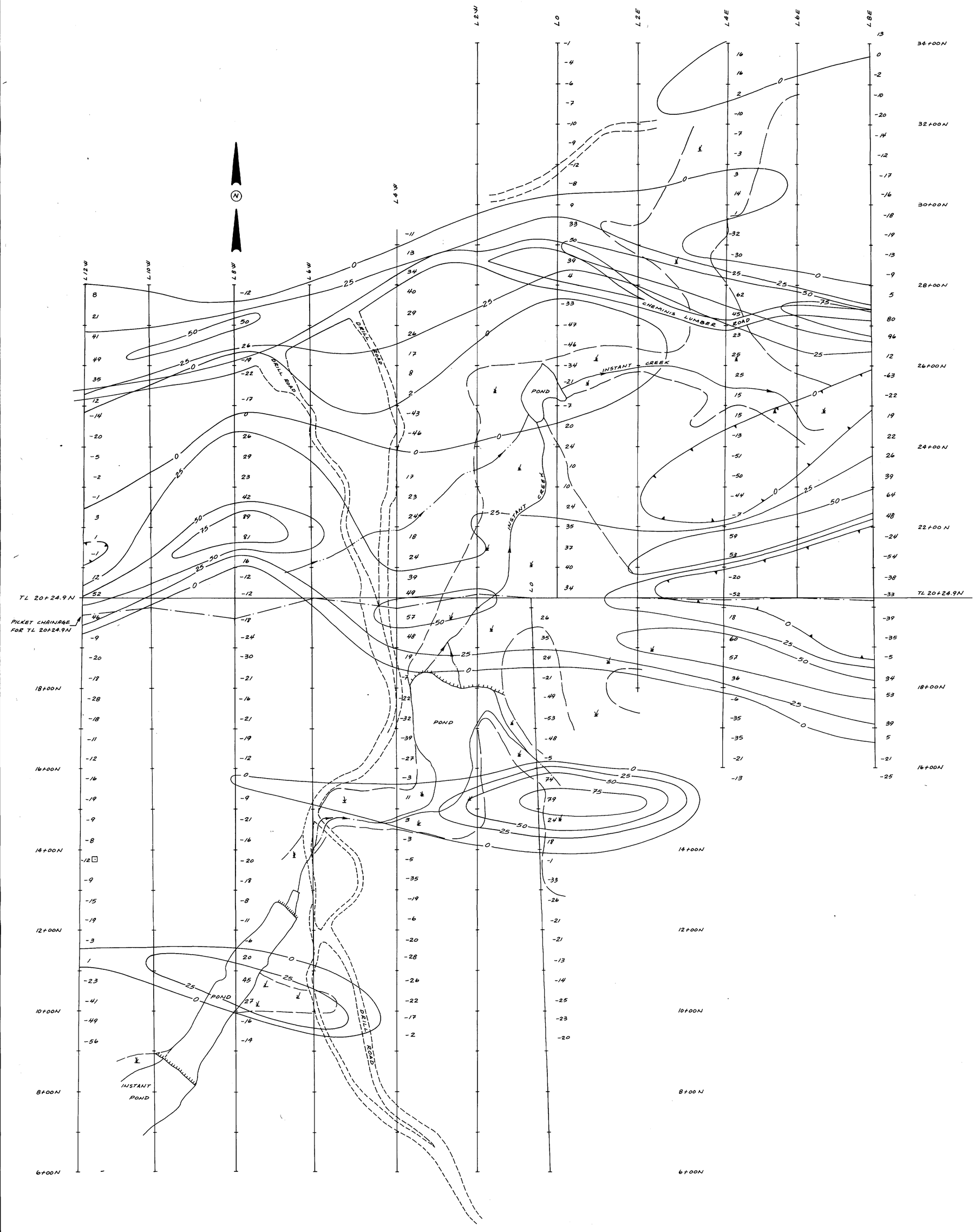
McGARRY TOWNSHIP

0 50 100 METRES

0 200 400 FEET

LEE GEO-INDICATORS LTD.

FROM: SAGAX GEOPHYSICS CHECKED BY: H.A.LEE AUG.,1985

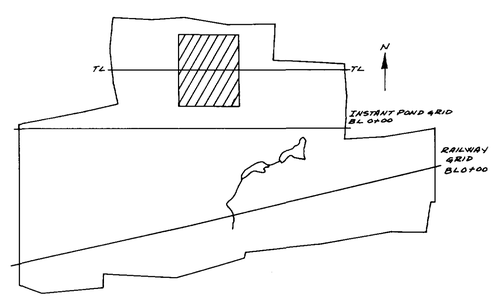


LEGEND

CONTOURED AT POSITIVE 25 UNIT INTERVALS

SURVEY BY SAGAX GEOPHYSICS INC.

TRANSMITTER STATION : NAA CUTLER, MAINE
EXCEPT FOR TIE LINE WHICH IS ANNAPOLIS



OM85-40

63.4638

McGARRY GOLD PARTNERSHIP

VLF-EM FRASER FILTER VALUES

INSTANT CREEK SITE OF INSTANT POND GRID

AZA PROPERTY

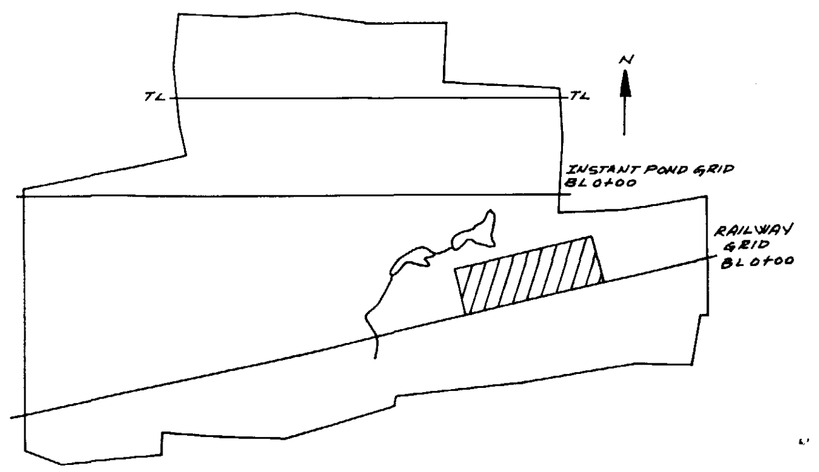
McGARRY TOWNSHIP

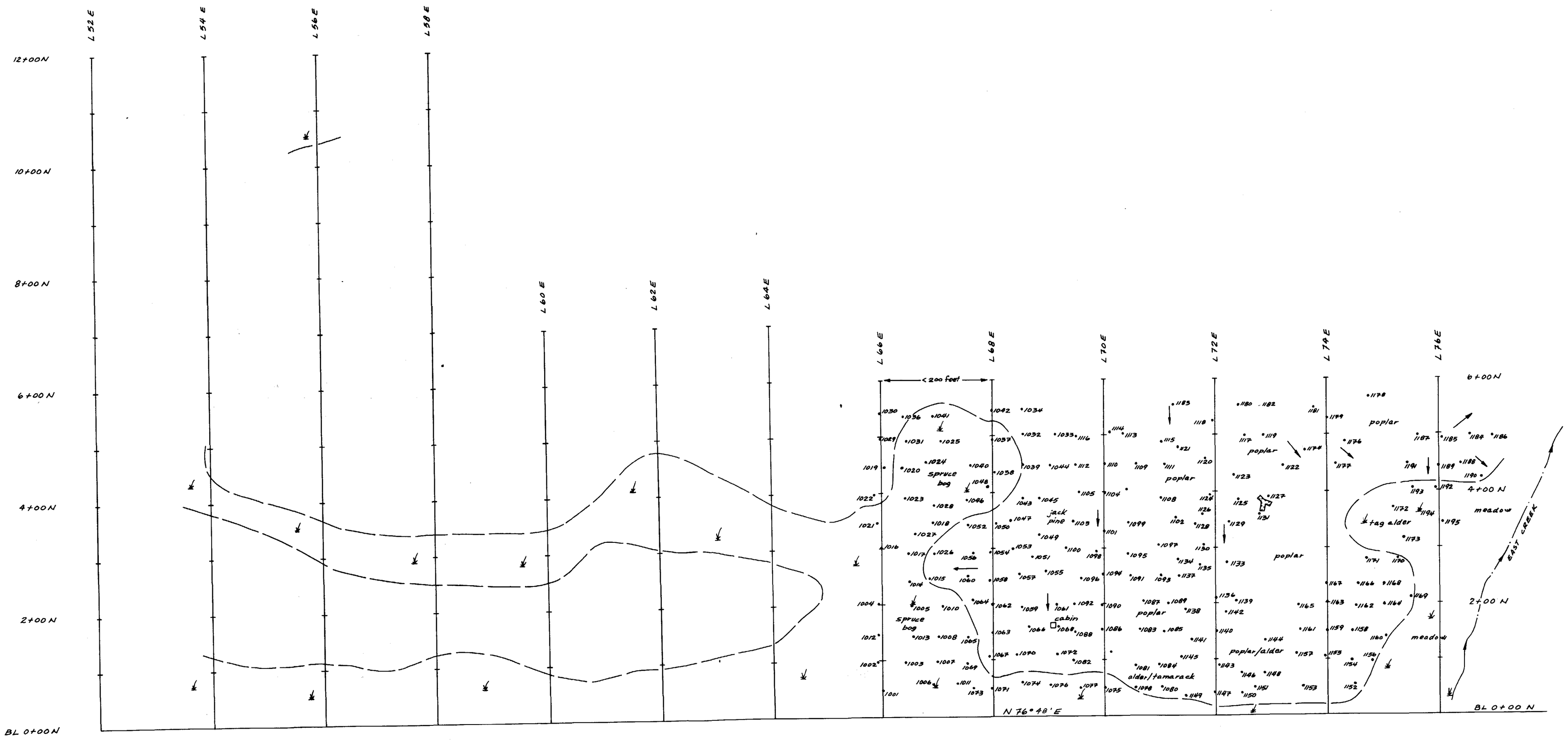
0 50 100 METRES

0 200 400 FEET

LEE GEO-INDICATORS LTD.

FROM: SAGAX GEOPHYSICS CHECKED BY: H.A. LEE AUG, 1985





LEGEND

SAMPLE SITE OF SPRUCE NEEDLE DUFF ..... •

SAMPLE NUMBER 1169

SLOPE OF LAND ..... ↘

OM85-40

63.4638

McGARRY GOLD PARTNERSHIP

BIOGEOCHEMICAL SAMPLE SITES

EAST CREEK SITE OF RAILWAY GRID

AZA PROPERTY

McGARRY TOWNSHIP

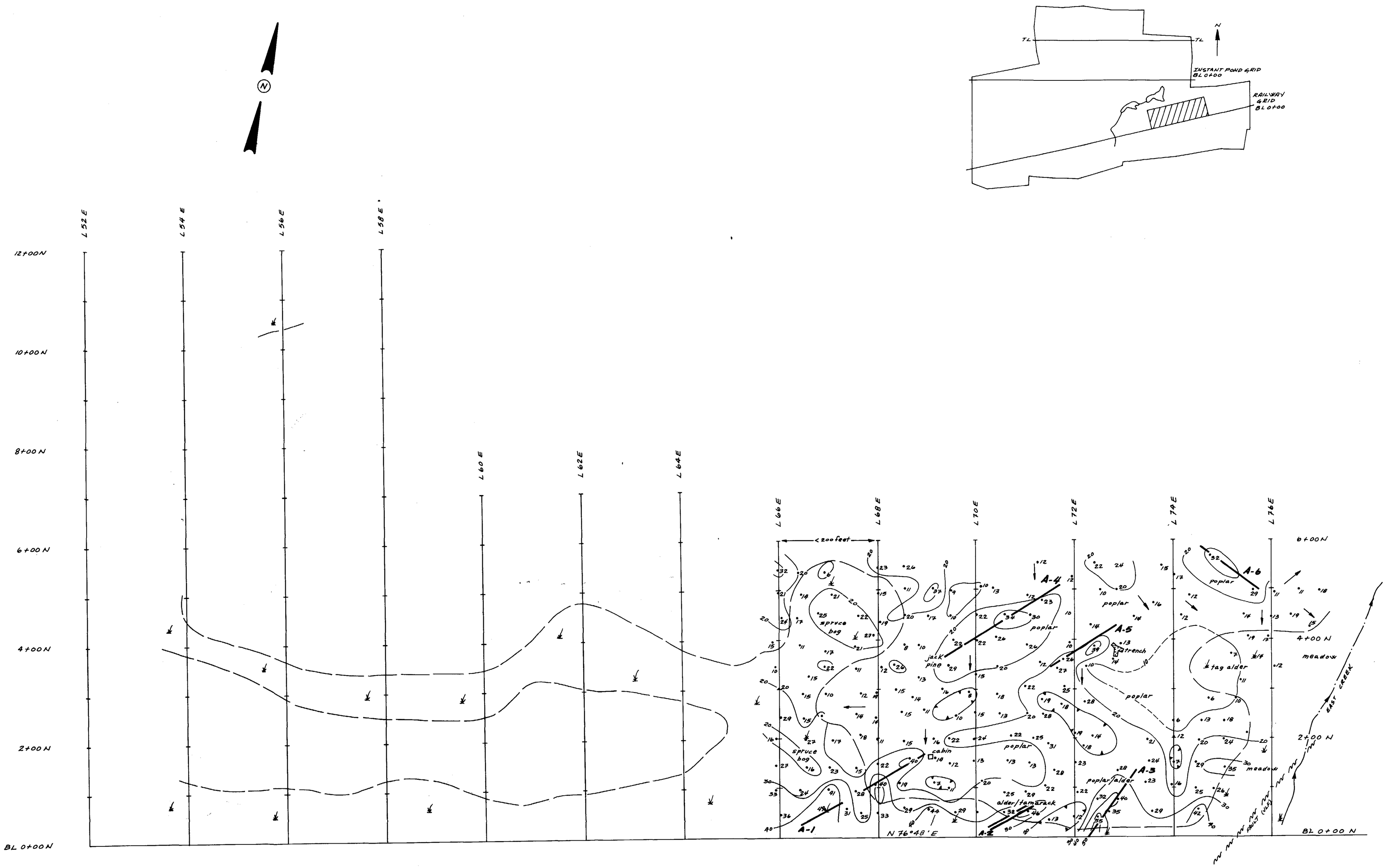
0 50 100 METRES

0 200 400 FEET

LEE GEO-INDICATORS LTD.

FROM: S.A. SCOTT CHECKED BY: H.A. LEL AUG. 1985

FIG. 3a



SAMPLE SITE OF SPRUCE NEEPLE DUFF ..... •
GOLD CONTENT IN PPB 25
SLOPE OF LAND ..... ↘
CONTOUR INTERVAL ..... 10 PPB
ANOMALIES A-1

0M85-40
63.4638

McGARRY GOLD PARTNERSHIP

BIOGEOCHEMICAL GOLD VALUES

EAST CREEK SITE OF RAILWAY GRID

AZA PROPERTY

McGARRY TOWNSHIP

0 50 100 METRES
0 200 400 FEET

LEE GEO-INDICATORS LTD.

FROM: S.A. SCOTT CHECKED BY: H.A. LEE AUG. 1985

FIG. 4a

L 12 W
L 10 W
L 8 W
L 6 W
L 4 W
L 2 W
L 0
L 2 E
L 4 E
L 6 E
L 8 E

34+00N
32+00N
30+00N
28+00N
26+00N
24+00N
22+00N
20+00N
18+00N
16+00N
14+00N
12+00N
10+00N
8+00N
6+00N

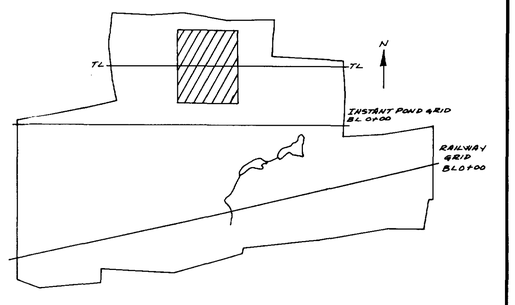
TL 20+24.9N

CHEMINIS LUMBER ROAD
DRILL ROAD
INSTANT CREEK
POND
meadow
alder swamp
alders
hazel
poplar
o/c
GOLD ENRICHMENT TREND, VLF TREND
AXIS OF DIORITE RIDGE AND GOLD ENRICHMENT
C-1
C-2
C-3
C-4
C-5
C-6
L721/23 #1
L721/39 #3
L721/40 #2
drill casings 45°
E25
E24
E13
E12
E22
A10
PICKET CHAINAGE FOR TL 20+24.9N

LEGEND

BIOGEOCHEMICAL SAMPLE ..... • 1320
GOLD PPB BY INNA 20
BASAL LODGMENT TILL SAMPLE ..... ▲
DOWNWARD LAND SLOPE ..... →
AXIS OF GOLD ENRICHMENT AND/OR VLF TREND ..... ▬ ▬
BIOGEOCHEMICAL ANOMALY ..... ⬭ C-2
CONTOUR INTERVAL ..... 2 PPB Au

OM85-40
63.4638



McGARRY GOLD PARTNERSHIP

BIOGEOCHEMICAL SURVEY GOLD VALUES

INSTANT CREEK SITE OF INSTANT POND GRID

AZA PROPERTY

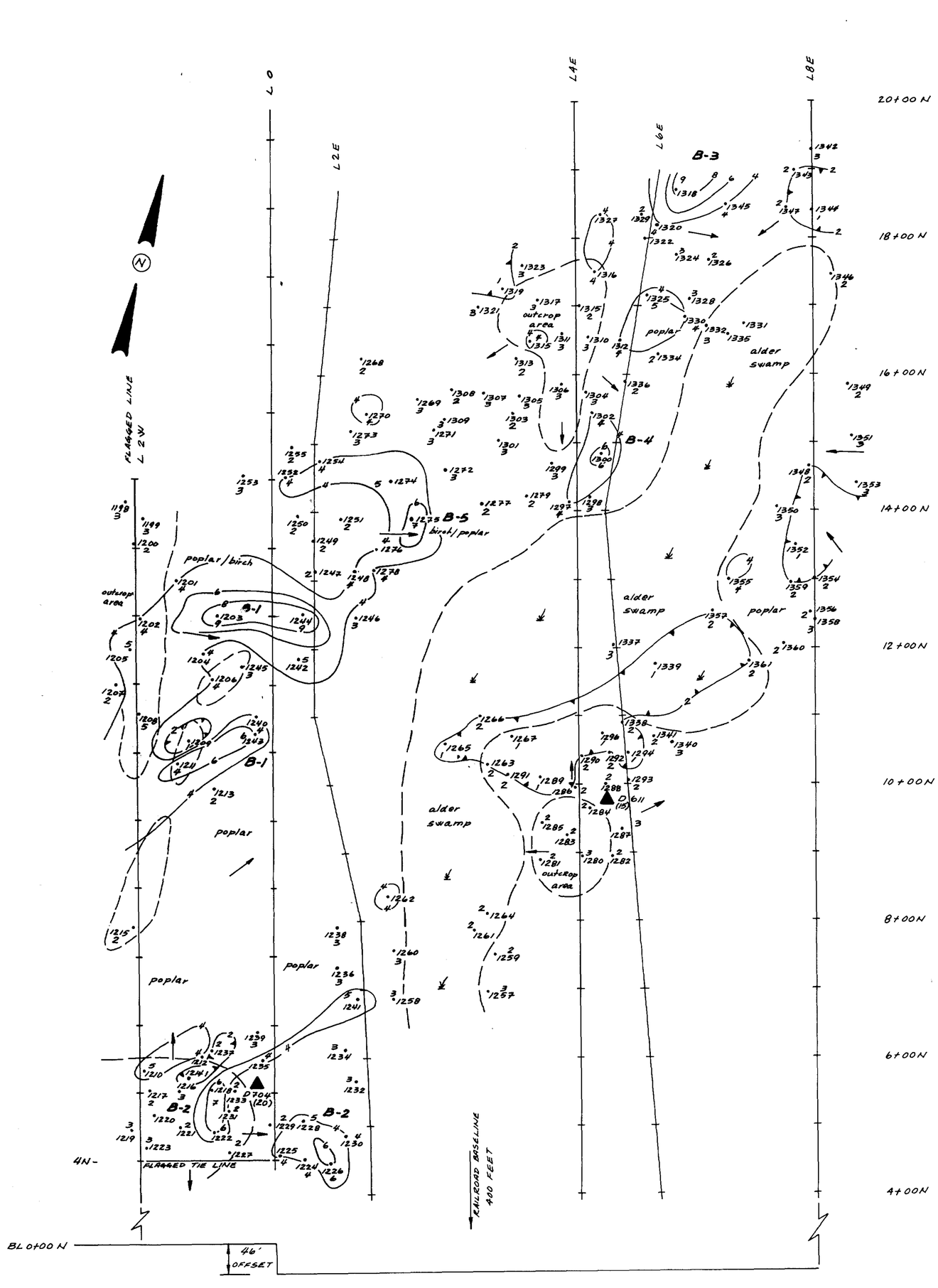
McGARRY TOWNSHIP

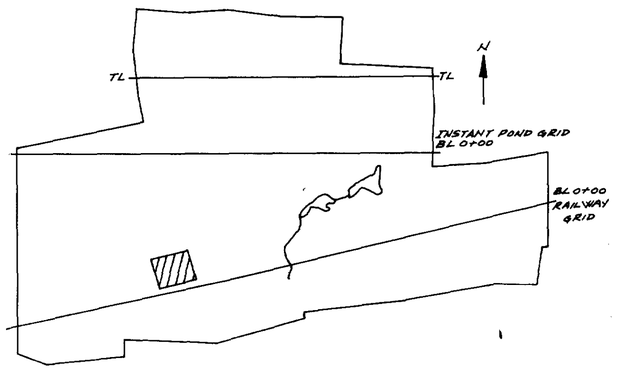
0 50 100 METRES
0 200 400 FEET

LEE GEO-INDICATORS LTD.

FROM: S.A.SCOTT CHECKED BY: H.A.LEE AUG. 1985

FIG 3c.1c





LEGEND

BIOGEOCHEMICAL SAMPLE ..... •
SAMPLE NUMBER 1243
GOLD PPB BY INNA 20
BASAL LODGMENT TILL SAMPLE ..... ▲ D611 (20)
DOWNWARD LAND SLOPE .....

McGARRY GOLD PARTNERSHIP

BIOGEOCHEMICAL GOLD VALUES

MILE 28 SITE OF RAILWAY GRID

AZA PROPERTY OM85-40

McGARRY TOWNSHIP 63.4638

0 50 100 METRES

0 200 400 FEET

LEE GEO-INDICATORS LTD.

FROM: S.A.SCOTT CHECKED BY: H.A.LEE AUG., 1985

FIG. 3b, 4b

McGARRY GOLD PARTNERSHIP

AZA PROPERTY

McGARRY TOWNSHIP

OM85-40

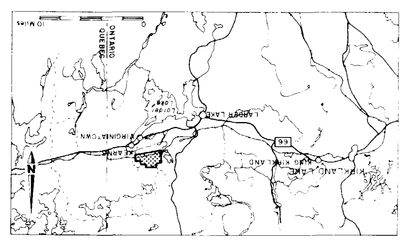
MAG SURVEY 634638

TOTAL FIELD READINGS

Survey by: M BOIVIN
Interpreted by: P BERUBE, rng

Date: April 1985
Drawn by: M JOSEPH, tech

GEOPHYSICS INC



SCALE 1:4800

N 12°W

L-100 E
L-96 E
L-92 E
L-88 E
L-84 E
L-80 E
L-76 E
L-72 E
L-68 E
L-64 E
L-60 E
L-56 E
L-52 E
L-48 E
L-44 E
L-40 E
L-36 E
L-32 E
L-28 E
L-24 E
L-20 E
L-16 E
L-12 E
L-8 E
L-4 E
L-0
L-4 W
L-8 W
L-12 W
L-16 W
L-20 W
L-24 W
L-28 W
L-32 W
L-36 W
L-40 W

BL 0+00N
BASELINE GRID

TL

NORTH VIRGINIADAM

BEAVER LAKE

POND

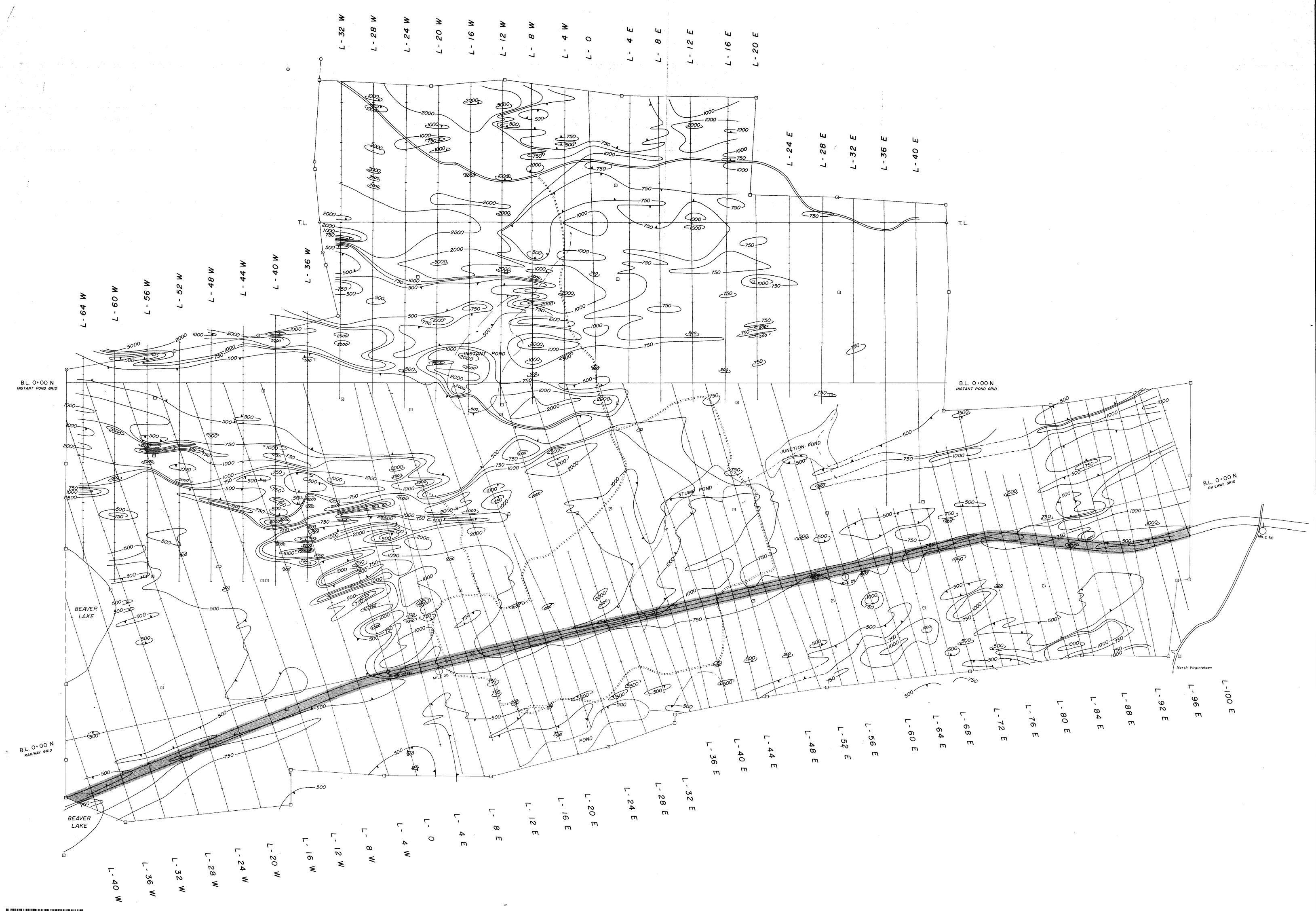
STUMP POND

CHANNEL-POND

INSTANT POND

INSTANT POND GRID

L-40 E
L-36 E
L-32 E
L-28 E
L-24 E
L-20 E
L-16 E
L-12 E
L-8 E
L-4 E
L-0
L-4 W
L-8 W
L-12 W
L-16 W
L-20 W
L-24 W
L-28 W
L-32 W
L-36 W
L-40 W
L-44 W
L-48 W
L-52 W
L-56 W
L-60 W
L-64 W



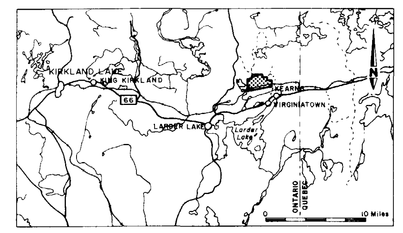
M.D. 12°W

Contours interval: 500, 750, 1000, 2000, 5000 gamma

Reference field: 58000 gamma

SCALE 1:4800

ft 400 0 400 800 1200 ft



McGARRY GOLD PARTNERSHIP

AZA PROPERTY

McGARRY TOWNSHIP

OM85-40

MAG SURVEY 63.4638

TOTAL FIELD CONTOURS

Survey by: M. BOIVIN
Interpreted by: P. BERUBE, ing.

Date: April 1985
Drawn by: M. JOSEPH, tech.

GEOPHYSICS INC.

McGARRY GOLD PARTNERSHIP

AZA PROPERTY OM85-40

McGARRY TOWNSHIP 63.4238

INTERPRETATION MAP

Survey by: M. BOIVIN | Date: April 1985

Interpreted by: P. BERUBE, ing | Drawn by: M. JOSEPH, tech

GEOPHYSICS INC.

SCALE 1:4800

ft 400 0 400 800 1200 ft

GEOLOGICAL LEGEND

15	15A	Sandstone
	15B	Conglomeratic sandstone
	15C	Conglomerate; grey cobbles of white quartz, black chert, green mafics and jasper
14		Grey grit sandstone
12		Green competent sandstone
11	11A	Chert and yellow pebbles in grey sandstone
10		Chlorite tectonite, hematite
7	7A	Syenite derived tuff
	7B	Syenite derived lapilli
	7C	Agglomerate
6	6A	Pyroxene syenite
	6B	Green mica syenite
	6C	Syenite porphyry
	6D	Mafic trachyte
	6E	Felsic trachyte
5	5A	Grit with iron carbonate 6 - 30 %
	5B	Grit with iron carbonate < 40 %
4		Yellow claystone
2	2A	Diorite
	2B	Pegmatite gabbro
	2D	Gabbro
	2E	Magnetite gabbro
	2F	Leucoxene gabbro
	2G	Granodiorite and magnetic diorite
1	1A	Pillowed tholeiitic basalt
	1B	Massive tholeiitic basalt
	1C	Calc-alkali basalt

ALL ARE MAGNETIC

SYMBOL

Geological boundary; approx.

GEOPHYSICAL LEGEND

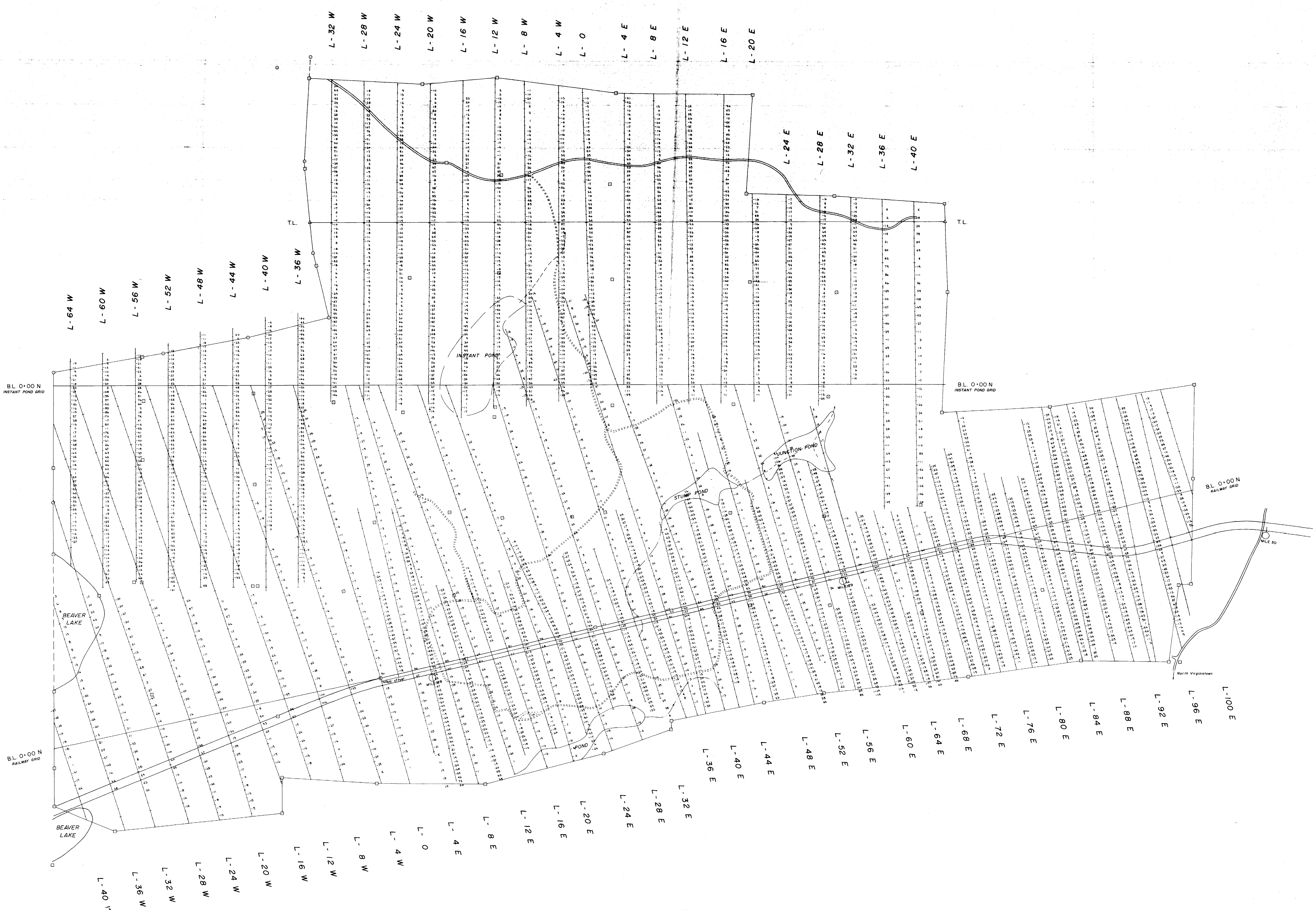
VLF conductor

strong

weak

MAG 12°W

N



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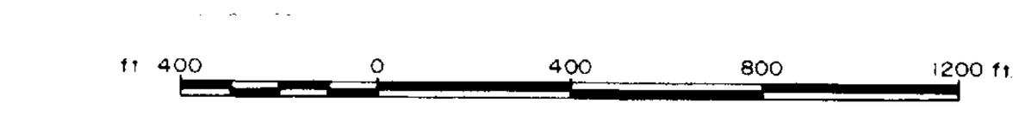
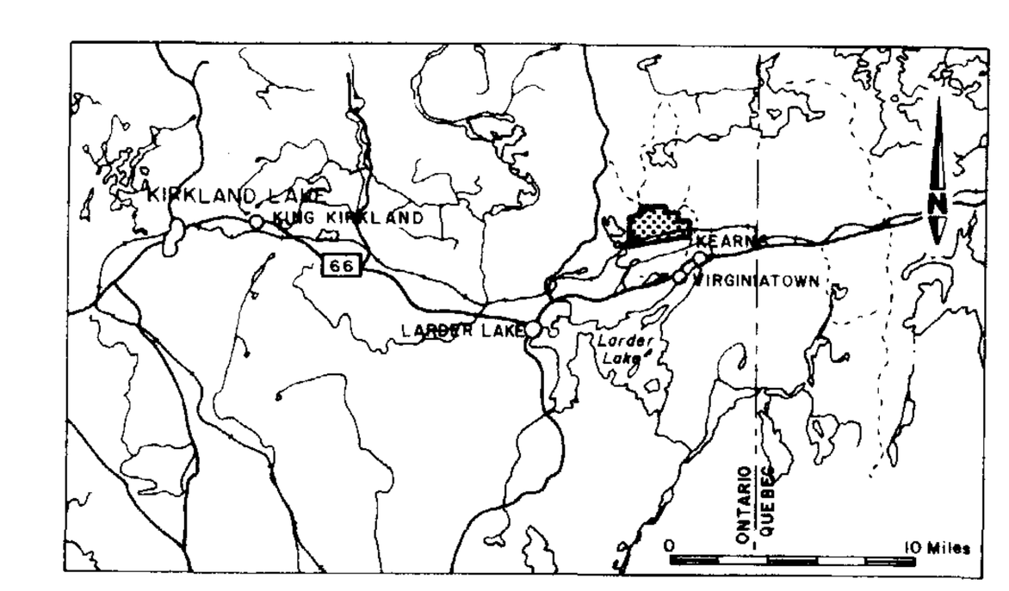




McGARRY GOLD PARTNERSHIP
AZA PROPERTY OM85-40
McGARRY TOWNSHIP 63.4638

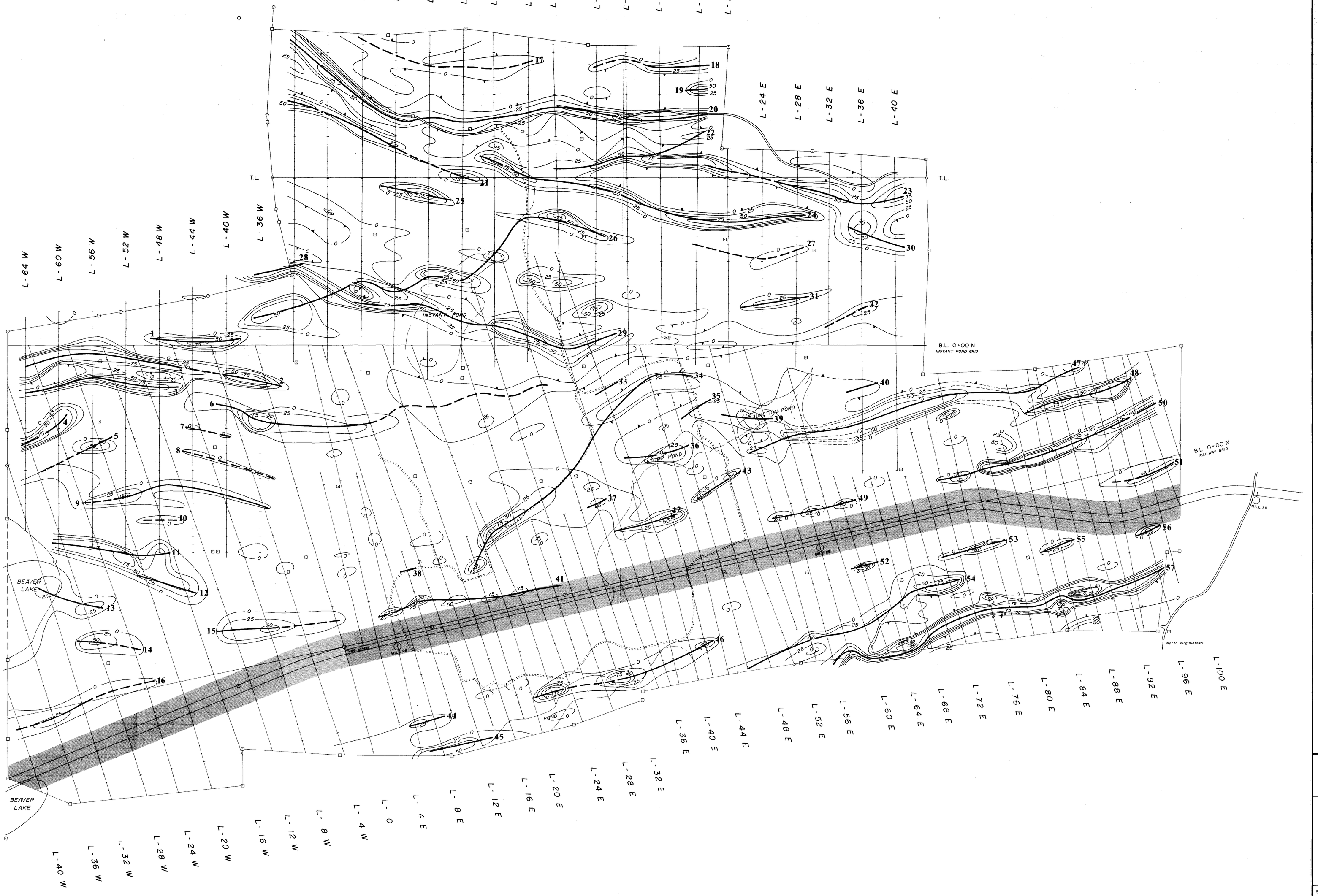
EM-VLF SURVEY

FRASER VALUES

Survey by: M. BOIVIN
Interpreted by: P. BERUBE, ing
Date: April 1985
Drawn by: M. JOSEPH, tech.

GEOPHYSICS INC.

570



N

M.D. 128° W

LEGEND

VLF conductor

——— strong

– – – weak

Contours interval: 25 units

NAA, CUTLER

G.N.

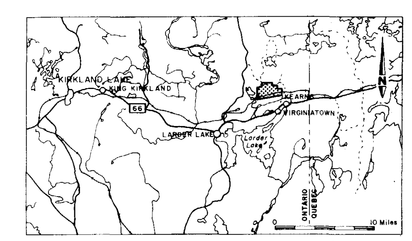
108°

NAA

f = 24.0 KHz

SCALE 1:4800

ft 400 0 400 800 1200 ft



McGARRY GOLD PARTNERSHIP

AZA PROPERTY OM85-40

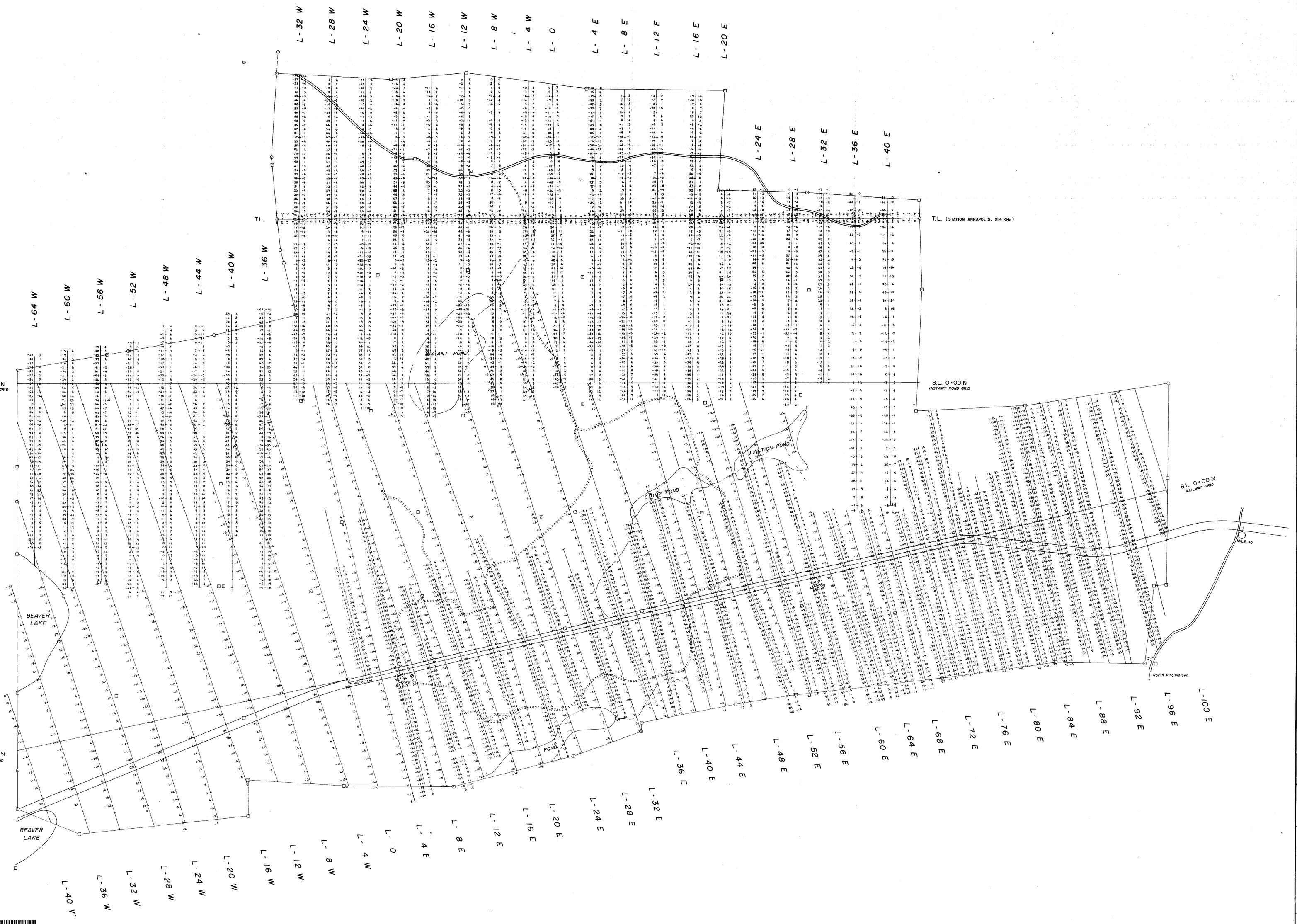
McGARRY TOWNSHIP 63.9638

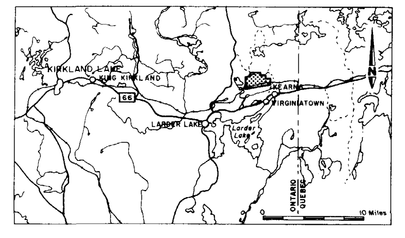
EM-VLF SURVEY

FRASER CONTOURS

Survey by: M BOIVIN	Date: April 1985
Interpreted by: P BERUBE, ing	Drawn by: M JOSEPH, tech

GEOPHYSICS INC.





McGARRY GOLD PARTNERSHIP

AZA PROPERTY OM85-40

McGARRY TOWNSHIP 63.4638

EM-VLF SURVEY

IN-PHASE & OUT-OF-PHASE READINGS

Survey by : *M. BOIVIN*	Date : *April 1985*
Interpreted by : *P. BERUBE, ing.*	Drawn by : *M. JOSEPH, tech.*

GEOPHYSICS INC.

McGARRY GOLD PARTNERSHIP

AZA PROPERTY

McGARRY TOWNSHIP

OM85-40

63.4638

EM-VLF SURVEY

IN-PHASE & OUT-OF-PHASE

PROFILES

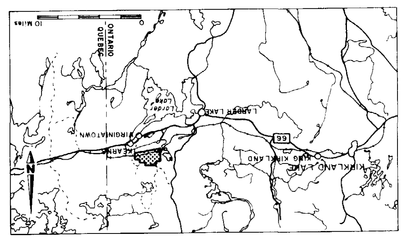
Survey by: M BOIVIN

Interpreted by: P BERUBE, ing

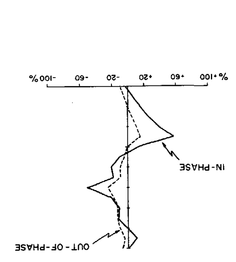
Date: April 1985

Drawn by: M JOSEPH, tech

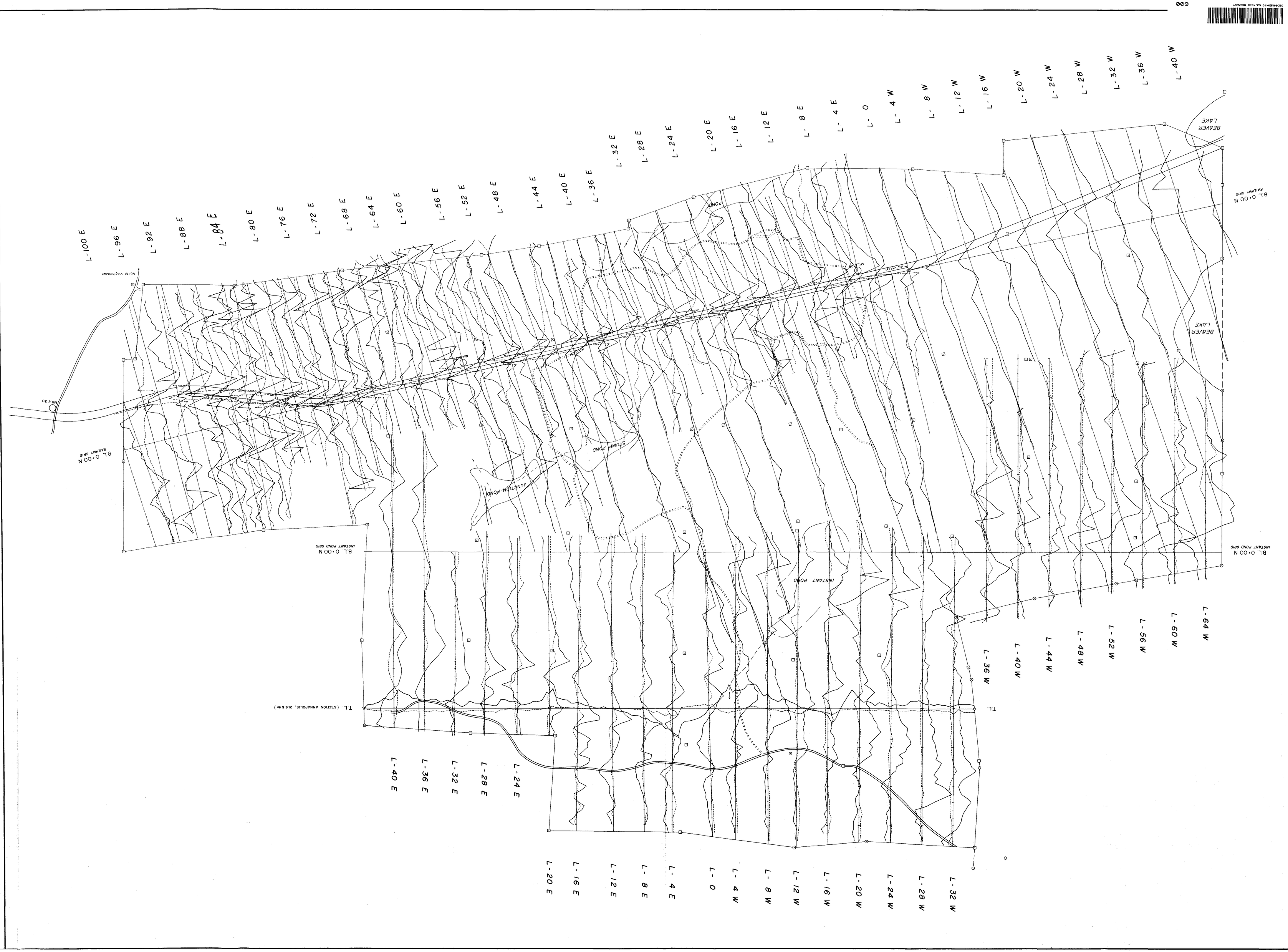
GEOPHYSICS INC.

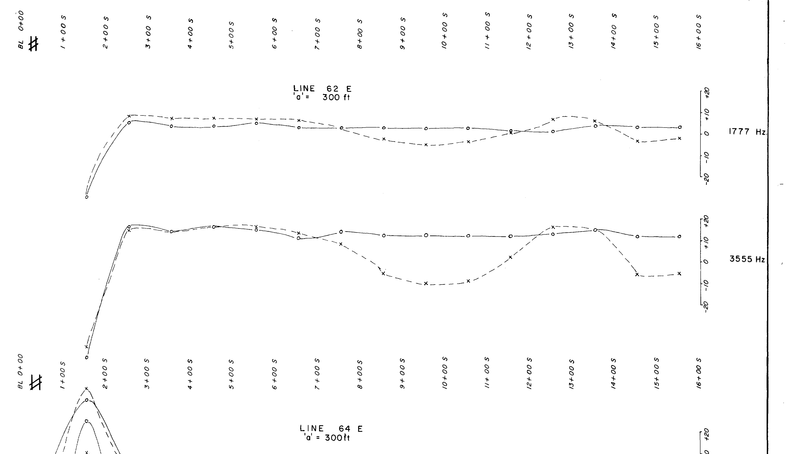


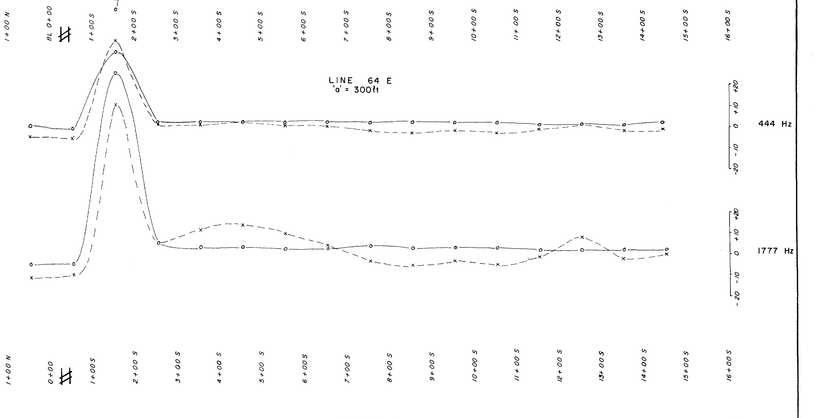
SCALE 1:4800

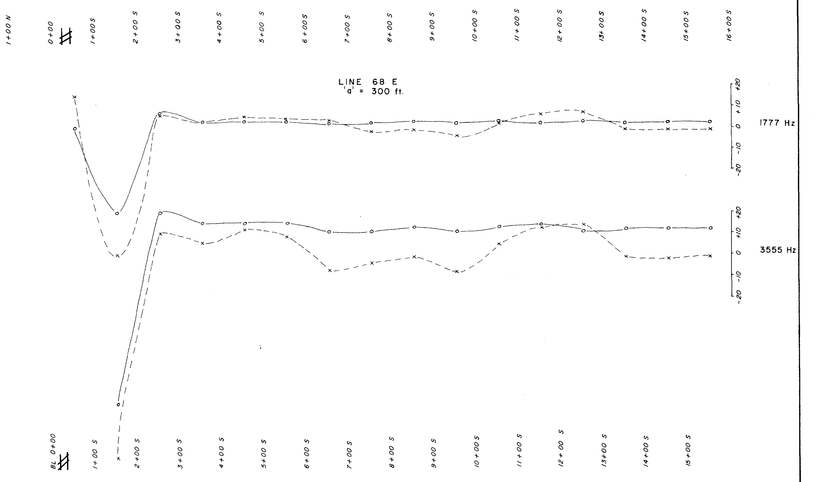


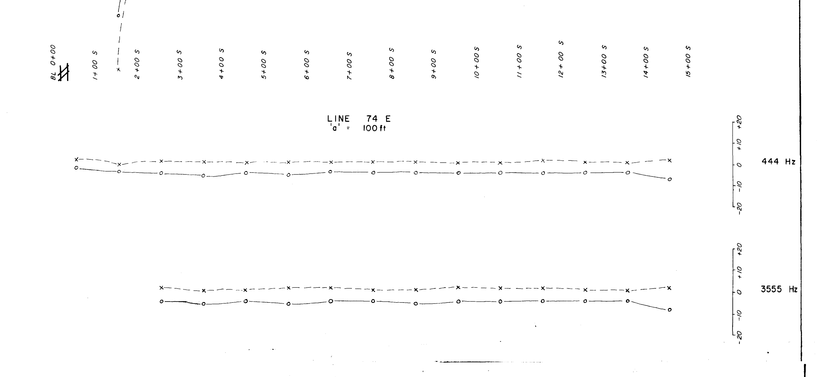
M.D. 12°W

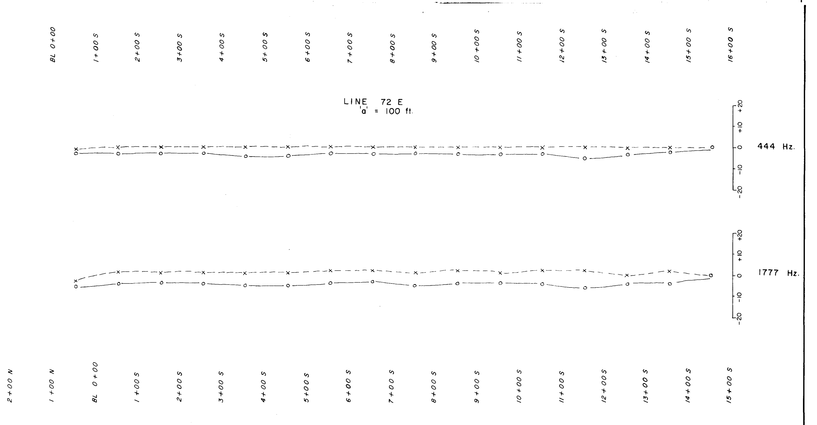


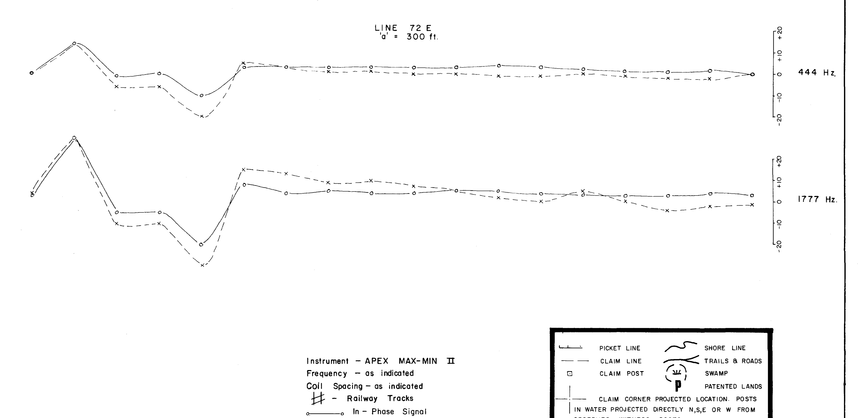












Instrument – APEX MAX-MIN II
Frequency – as indicated
Coil Spacing – as indicated
– Railway Tracks
In – Phase Signal
Quadrature Signal

PICKET LINE
CLAIM LINE
CLAIM POST
SHORE LINE
TRAILS & ROADS
SWAMP
PATENTED LANDS
CLAIM CORNER PROJECTED LOCATION. POSTS IN WATER PROJECTED DIRECTLY N,S,E OR W FROM OBSERVED WITNESS POSTS.

Mc Garry Gold Partnership

MAX-MIN SURVEY

Survey By: RAYAN EXPLORATION LTD.		
Property: McGARRY PROPERTY		
TWP AREA: McGARRY TWP.		
Prov: Ontario	NTS: 32 D4	
Drafted: C. AYOTTE	Plotted: C.J.A.	Checked: R. Meikle
Scale: 1"= 100'	Date: October 1985	

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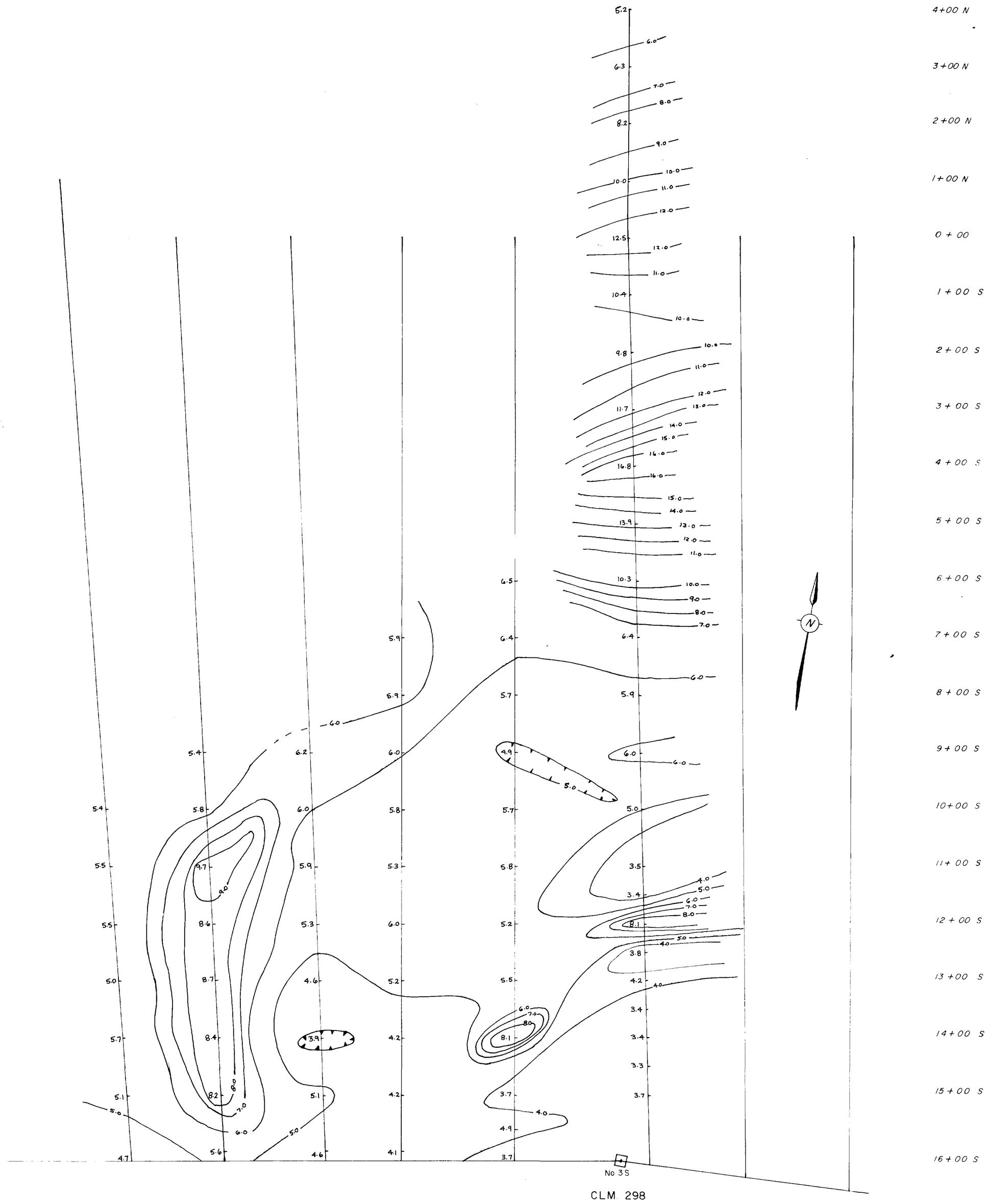
63.4638

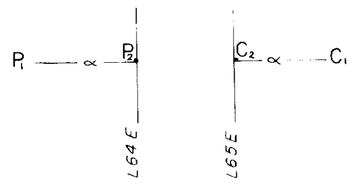


Scale

0 100 200 feet

LEGEND

Receiver : Scintrex IPR-11
Transmitter : Scintrex TSQ-3000
Method : Pole - Pole Lateral
'A' Spacing : 100 feet
Electrode Array :



Chargability (milliseconds) 5.9

PICKET LINE
CLAIM LINE
CLAIM POST
SHORE LINE
TRAILS & ROADS
SWAMP
PATENTED LANDS
CLAIM CORNER PROJECTED LOCATION. POSTS IN WATER PROJECTED DIRECTLY N.S.E OR W FROM OBSERVED WITNESS POSTS.

Mc Garry Gold Partnership

INDUCED POLARIZATION SURVEY

CHARGEABILITY

Survey by: RAYAN EXPLORATION LTD.
Property: Mc Garry Property - Railway Grid
Twp. Area: Mc GARRY T.W.P.
Prov: Ontario | NTS: 32 D4
Drafted: C AYOTTE | Plotted: C.J. A | Checked: R. Meikle
Scale: 1" = 100 ft | Date: October 1985

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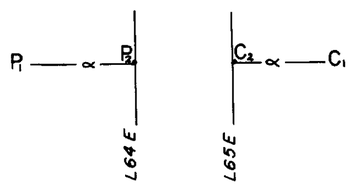
Scale

0 100 200 feet

LEGEND

Receiver : Scintrex IPR-11
Transmitter : Scintrex TSQ-3000
Method : Pole - Pole Lateral
'A' Spacing : 100 feet
Electrode Array :



2320 Apparrent Resistivity (ohms - meters)

PICKET LINE
CLAIM LINE
CLAIM POST
SHORE LINE
TRAILS & ROADS
SWAMP
PATENTED LANDS
CLAIM CORNER PROJECTED LOCATION. POSTS IN WATER PROJECTED DIRECTLY N.S.E OR W FROM OBSERVED WITNESS POSTS.

Mc Garry Gold Partnership

INDUCED POLARIZATION SURVEY

APPARENT RESISTIVTY

Survey by: RAYAN EXPLORATION LTD.		
Property: Mc Garry Property - Railway Grid		
Twp. Area: Mc GARRY TWP.		
Prov: Ontario	NTS: 32 D 4	
Drafted: C. AYOTTE	Plotted: C.J. A	Checked: R. Meikle
Scale: 1" = 100 ft	Date: October 1985	

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L 12 W
L 10 W
L 8 W
L 6 W
L 4 W
L 2 W
L 0
L 2 E
L 4 E
L 6 E
L 8 E
TL 20+24.9 N
PICKET CHAINAGE FOR TL 20+24.9 N
34+00 N
32+00 N
30+00 N
28+00 N
26+00 N
24+00 N
22+00 N
18+00 N
16+00 N
14+00 N
12+00 N
10+00 N
8+00 N
6+00 N
CHABOINIS LUMBER ROAD
DRILL ROAD
INSTANT CREEK
POND
meadow
alder swamp
alders
hazel
poplar
c/c
GOLD ENRICHMENT TREND, VLF TREND
AXIS OF DIORITE RIDGE AND GOLD ENRICHMENT
C-1
C-2
C-3
C-4
C-5
C-6
E13
E24
E25
A10
L32+27 W
L32+39 W
L32+90 W
Drill casings 45°
INSTANT POND GRID BL 0+00
RAILWAY GRID BL 0+00
N
TL

LEGEND

BIOGEOCHEMICAL SAMPLE ..... • 1320
GOLD PPB BY INNA 20
BASAL LODGMENT TILL SAMPLE ..... ▲
DOWNWARD LAND SLOPE ..... →
AXIS OF GOLD ENRICHMENT AND/OR VLF TREND ..... ——
BIOGEOCHEMICAL ANOMALY C-2
CONTOUR INTERVAL ..... 2 PPB Au

McGARRY GOLD PARTNERSHIP

BIOGEOCHEMICAL SURVEY GOLD VALUES

INSTANT CREEK SITE OF INSTANT POND GRID

AZA PROPERTY

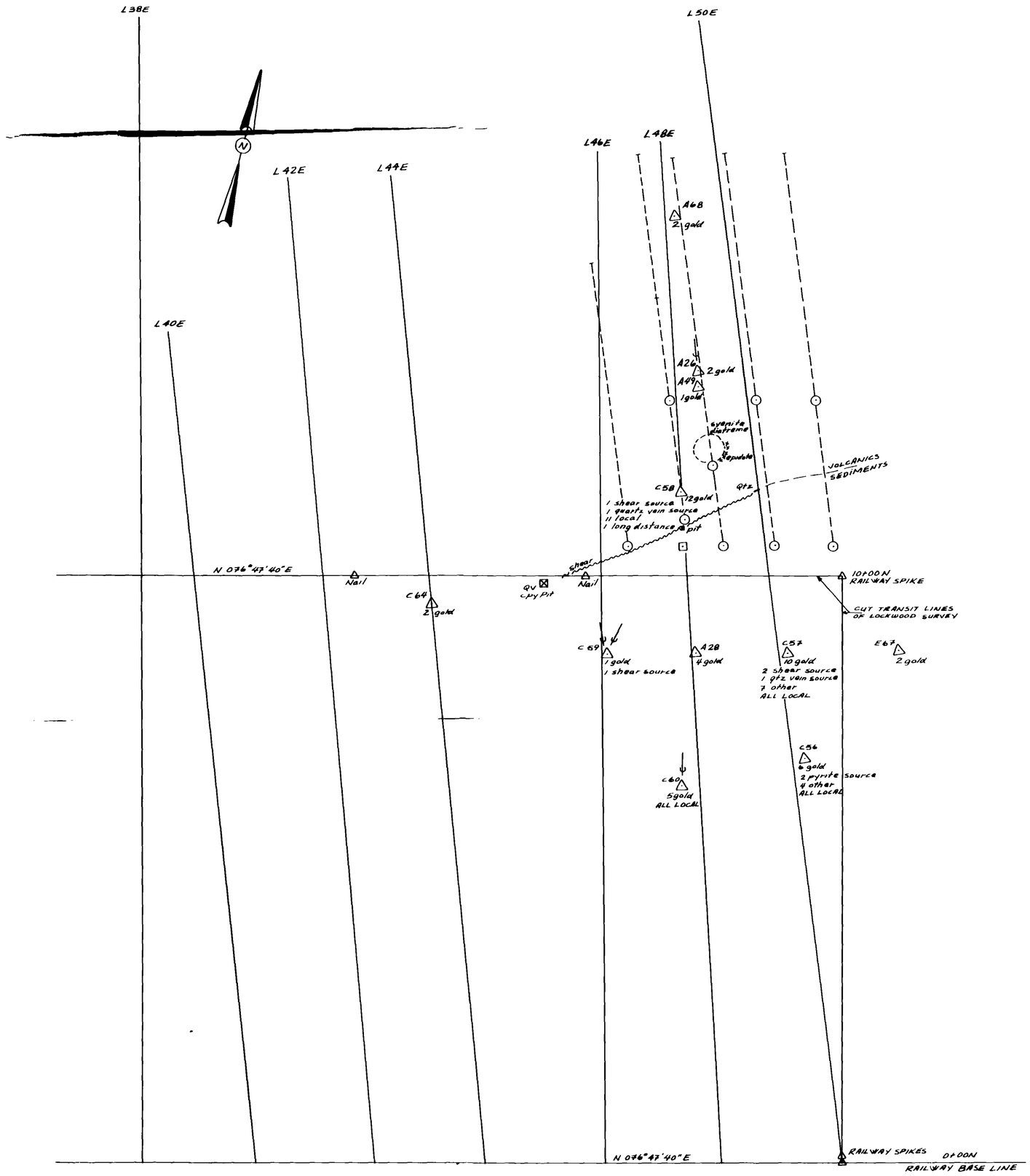
McGARRY TOWNSHIP

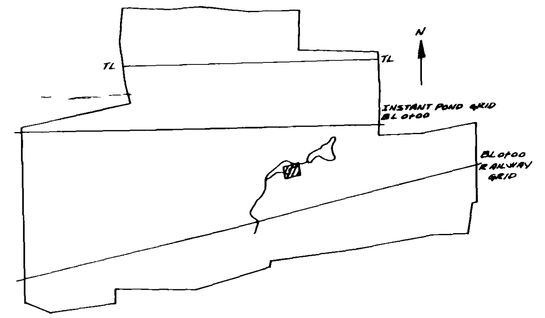
0 50 100 METRES
0 200 400 FEET

LEE GEO-INDICATORS LTD.

FROM: S.A. SCOTT CHECKED BY: H.A. LEE AUG. 198

FIG 3c.1c





LEGEND

SAMPLE LOCATION ..... △

SAMPLE NUMBER C59

NUMBER OF PIECES OF GOLD IN ONE CUBIC FOOT .. 4

DRILL HOLES RECOMMENDED. ... ⊙---1

REGISTERED PROFESSIONAL ENGINEERS
H. A. LEE
PROVINCE OF ONTARIO

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McGARRY GOLD PARTNERSHIP

GOLD IN LODGMENT TILL
STUMP POND SITE, No. 2 STRIPPED AREA

AZA PROPERTY

McGARRY TOWNSHIP

0 50 100 METRES

0 200 400 FEET

LEE GEO INDICATORS LTD.

DWG. FROM H.A.LEE AUGUST, 1985

LEGEND

4 PEROVSKITE
3 CHROME DIOPSIDE
2 PYROPE
1 DIAMOND

SAMPLE SITE AND NUMBER E31

SOME SMALL "CIRCULAR" MAGNETIC BODIES ALONG PATHFINDER TRAINS (gammas) ⊙

CAUTION : DIAMONDS AND PATHFINDER MINERALS HAVE NOT BEEN CONFIRMED BY LABORATORY TESTS. CONCENTRATION OF PATHFINDER MINERALS IS A SPIN-OFF FROM GOLD SEARCH

H. A. LEE

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McGARRY GOLD PARTNERSHIP

DIAMOND PATHFINDERS

TENTATIVELY IDENTIFIED FROM LODGMENT TILL

NTS 32D/4

LARDER LAKE MINING DIVISION, ONTARIO

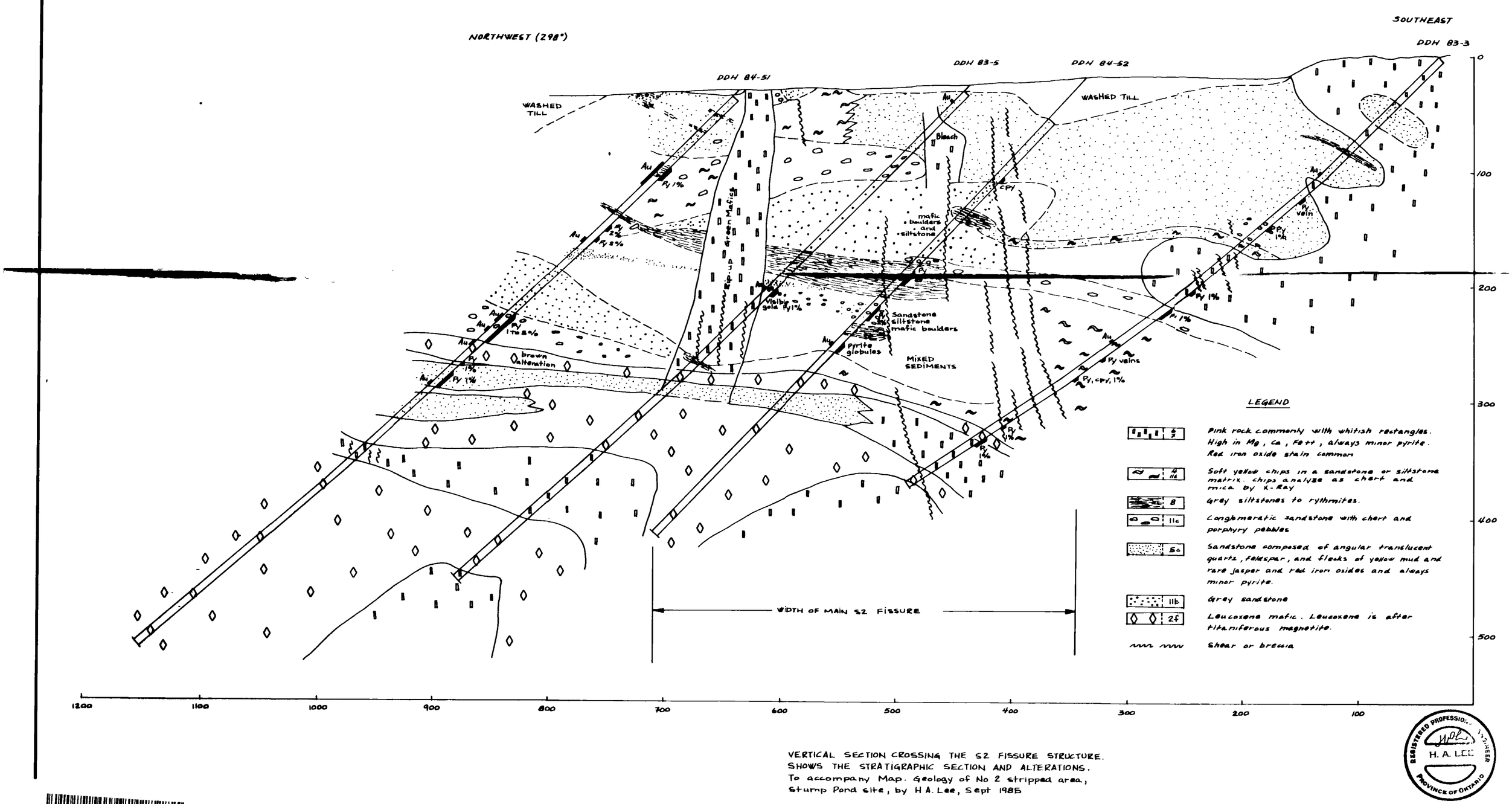
0 100 200 300 400 500 METRES

0 400 800 1200 1600 FEET

Declination 2°W
LEE BED-INDICATORS . WATER

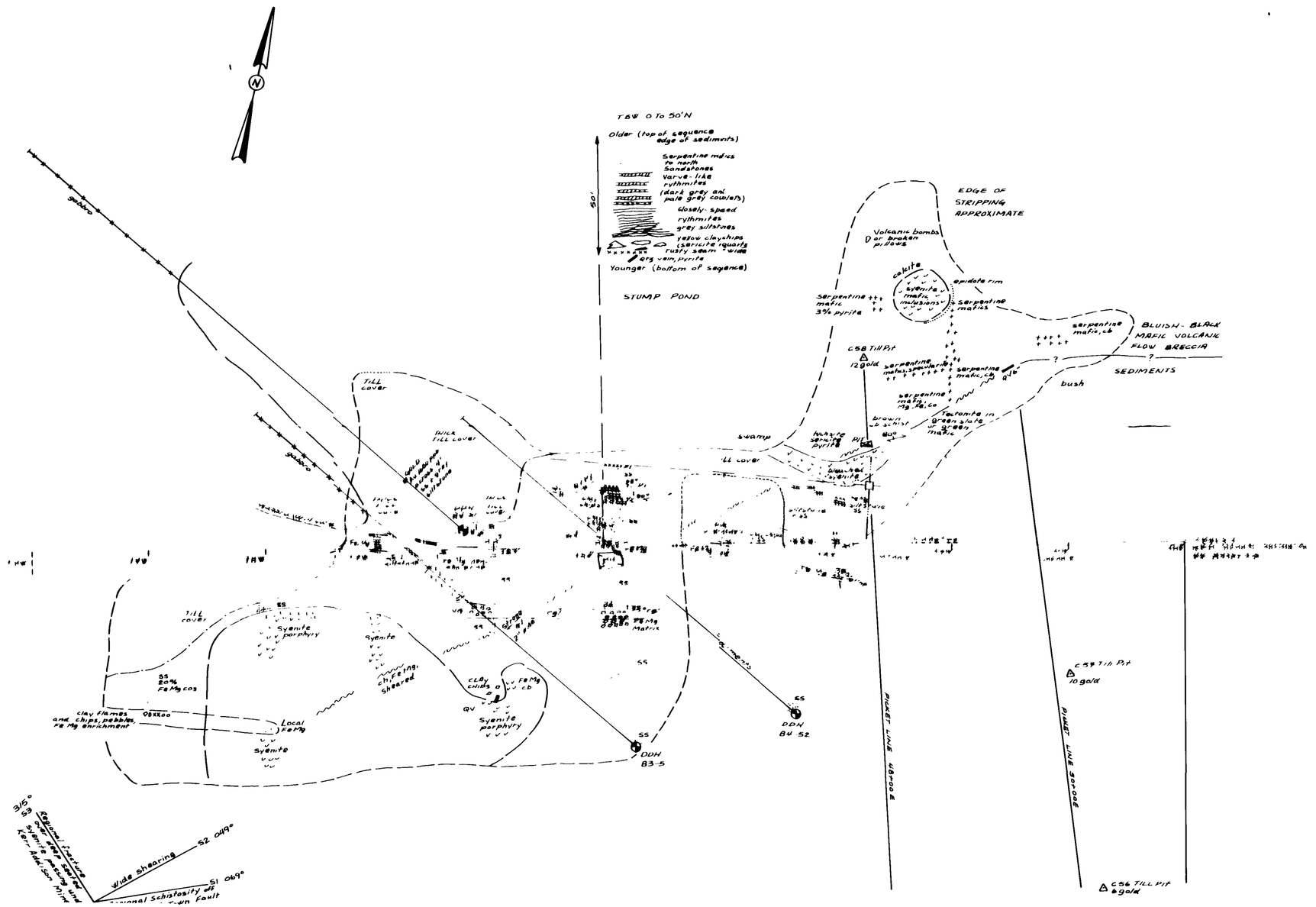
STITTSVILLE ONT REVISED

DWG FROM H.A. LEE AUG., 1985



VERTICAL SECTION CROSSING THE S2 FISSURE STRUCTURE.
SHOWS THE STRATIGRAPHIC SECTION AND ALTERATIONS.
To accompany Map. Geology of No 2 stripped area,
Stump Pond site, by H A. Lee, Sept 1985

REGISTERED PROFESSIONAL ENGINEER
H. A. LEE
PROVINCE OF ONTARIO



BASE MAP FROM 1B SURVEY BY LOCKWOOD, SEPT 1983

GEOLOGY BY H.A. LEE, SEPT 1985

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McGARRY GOLD PARTNERSHIP

GEOLOGY OF No. 2 STRIPPED AREA STUMP POND SITE

McGARRY TOWNSHIP

0 25 50 METRES
0 100 200 FEET

LEE GEO-INDICATORS LTD.

DWG. FROM H.A. LEE SEPT. 1985

L32W L28W L24W L20W L16W L12W L8W L4W LO L4E L8E L12E L16E

L20E L24E L28E L32E L36E L40E

L64W L60W L56W L52W L48W L44W L40W L36W

BL 0+00N INSTANT POND GRID

BL 0+00N INSTANT POND GRID

BL 0+00N RAILWAY GRID

BL 0+00N RAILWAY GRID

INSTANT POND

JUNCTION POND

STUMP POND

BEAVER LAKE

BEAVER LAKE

POND

MILE 29

MILE 30

L100E

L96E

CHEMINIS RD TO NORTH VIRGINIATOWN

L40W L36W L32W L28W L24W L20W L16W L12W L8W L4W LO L4E L8E L12E L16E L20E L24E L28E L32E L36E L40E L44E L48E L52E L56E L60E to L64E to L68E L72E L76E L80E L84E L88E L92E

MASSIVE THOLEIITIC BA

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McGARRY GOLD PARTNERSHIP

GEOLOGY

AZA PROPERTY

NTS 32D/4
LARDER LAKE MINING DIVISION, ONTARIO

0 100 200 300 400 500 METRES
0 400 800 1200 1500 FEET

Declination 12°W
LEE GEO-INDICATORS LIMITED
STITTSVILLE, ONT REVISED

DWG FROM MAY, 1985

[redacted] TUFFACEOUS PEBBLES OF GREY SANDSTONE

[redacted] TECTONITE , HEMATITE

[redacted] DIORITE

[redacted] SANDSTONE

7 — 7a [redacted] DERIVED TUFF
7b [redacted] DERIVED LAPILLI
7c [redacted] WACKE

6 — 6a [redacted] SYENITE
6b [redacted] MICA SYENITE
6c SYENITE PORPHYRY
6d [redacted]
6e [redacted] TRACHYTE
(6a–6e ALL ARE MAGNETIC)

5 — 5a [redacted] WITH IRON CARBONATE 6 – 30 %
5b [redacted] WITH IRON CARBONATE + 40 %
5c SANDSTONE , JASPER PYRITE , YELLOW FLECKS OF FERRO-DOLOMITE

4 — [redacted] CLAYSTONE

3 — GREEN CARBONATE ALTERATION

2 — 2a DIORITE
2b [redacted] GABBRO
2c CARBONATE GABBRO
2d GABBRO
2e MAGNETITE GABBRO
2f LEUCOCRATIC GABBRO
2g GRANODIORITE AND MAGNETIC DIORITE
2h METAMORPHIC CONTACTS WITH HORNFELS, EPIDOTE , CHROMITE , SERPENTINE
2i DIABASE

1 — 1a [redacted] PILLOWED THOLEIITIC BASALT
1b MASSIVE THOLEIITIC BASALT
1c CALC–ALKALI BASALT

ABBREVIATIONS -

HEM	HEMATITE	Q	VEIN QUARTZ
EP	EPIDOTE	Po	PYRRHOTITE
TML	TOURMALINE	CPy	CHALCOPYRITE
Py	PYRITE	MAG	ABUNDANT MAGNETITE
Ch	CHLORITE	Cc	CALCITE VEINS
AU	GOLD	As	ARSENIC

SYMBOLS -

GEOLOGICAL BOUNDARY APPROX
[redacted] TO LINEAMENT
SLICKENSIDES , MOVEMENT UNKNOWN , KNOWN
LOW CLIFFS WITH FACING DIRECTION
CLEAVAGE DIP UNKNOWN
DETERMINED 60°
VERTICAL
PILLOW STRUCTURES TOPS DETERMINED
FLOW BRECCIA
BEDDING OR LAYER FLOATING PEBBLES
DIP UNKNOWN
DETERMINED 70°
PLUNGE OF ANTIAL PLANE FOLD 30°
GLACIAL STRIATION 80°
SYNCLINAL AXIS
DIAMOND DRILL HOLE

GEOLOGY BY R. BURKHART , BALDUR EXPLORATION , 1984 , H.A.LEE 1979, 1980

[redacted]

McGARRY GOLD PARTNERSHIP

GEOLOGY

AZA PROPERTY

[redacted]

L 48 W
L 46 W
L 44 W
L 42 W
L 40 W
L 38 W
L 36 W
L 34 W
L 32 W
L 0+00 RAILWAY GRID
8+00N
6+00N
4+00N
2+00N
INSTANT POND
0+00
2+00S
4+00S
6+00S
8+00S
10+00S
OLD WINTER ROAD
SWEAT POND
INTERMITTENT CREEK
ROAD
2e
2d-2e
2e,Py
2d,Py
2d
2d-2f
2a-2d
2a
2a,nCa
2a,Ca
2a,frac
2a-2e,frac
2f,Ca
2a,Py
2a,Ca Py,Bo
qtz,fsp veining
Serp,ep vein
6c,mag
6c
2f,Ca
Py
Bo
Ca
nCa
mag
frac
qtz
fsp
serp
ep

LEGEND

- 6c — FELDSPAR PORPHYPY
- 2f — LEUCOXENE GABBRO
- 2e — MAGNETIC GABBRO
- 2d-2e — GABBRO - MAGNETIC GABBRO INTERMEDIARY
- 2d — GABBRO
- 2a-2d — DIORITE - GABBRO INTERMEDIARY
- 2a — DIORITE

JOINT STRIKE AND DIP
FOLIATION STRIKE AND DIP
SHEAR STRIKE AND DIP, (GENERALLY ACCOMPANIED BY QUARTZ-CARBONATE VEINING)
FRACTURE STRIKE AND DIP WITH LINEATION (SLICK) DIRECTION AND PLUNGE
FAULT
OUTCROP AREA; OUTCROP
SWAMP AREA
CLAIM POST
ROCK UNIT BOUNDARY: DEFINED; INFERRED

Py . . Pyrite
Bo. . . Bornite
Ca. . . . Carbonate alteration
nCa. . . . No carbonatization
mag . . . Magnetic
frac . . . . Fractured, usually hematitic
qtz . . Quartz
fsp . . . Feldspar
serp . . . Serpentine
ep . . Epidote

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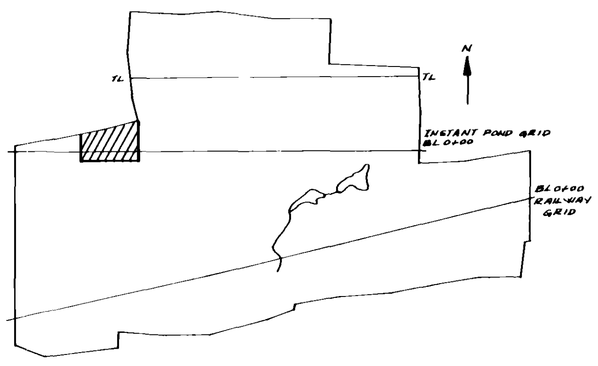
63.4638



McGARRY GOLD PARTNERSHIP

BEDROCK GEOLOGY

SWEAT POND SITE OF INSTANT POND GRID

AZA PROPERTY

McGARRY TOWNSHIP

0 50 100 METRES

0 200 400 FEET

LEE GEO-INDICATORS LTD.

DWG. FROM: R. ANDERSON AUG., 1985

L 12 W
L 10 W
L 8 W
L 6 W
L 4 W
L 2 W
L 0
L 2 E
L 4 E
L 6 E
L 8 E

TL 20+24.9 N

PICKET CHAINAGE FOR TL 20+24.9 N

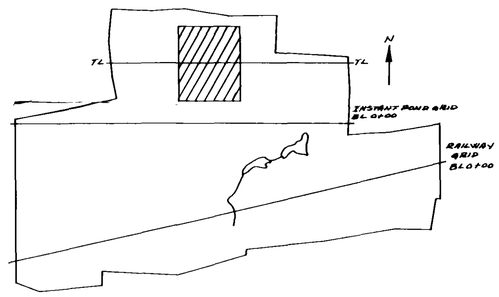
34+00 N
32+00 N
30+00 N
28+00 N
26+00 N
24+00 N
22+00 N
20+00 N
18+00 N
16+00 N
14+00 N
12+00 N
10+00 N
8+00 N
6+00 N

CHEMINIS LUMBER ROAD
DRILL ROAD
INSTANT CREEK
POND
TALUS
scattered moss-cover

LEGEND

- 6c — SYENITE PORPHYPY
- 6T — SYENITE - GABBRO TRANSITION
- 2d — GABBRO
- 1 — 1a PILLOWED THOLEIITIC BASALT; 1b MASSIVE THOLEIITIC BASALT

JOINT STRIKE AND DIP
FOLIATION STRIKE AND DIP
SHEAR STRIKE AND DIP
FRACTURE STRIKE AND DIP WITH LINEATION (Slick) DIRECTION AND PLUNGE
FAULT
OUTCROP AREA ; OUTCROP
SWAMP AREA
CLAIM POST
ROCK UNIT BOUNDARY : DEFINED, INFERRED
PILLOW TOPS
BEDDING, STRIKE AND DIP



OM85-40
63.4638

McGARRY GOLD PARTNERSHIP

BEDROCK GEOLOGY

INSTANT CREEK SITE OF INSTANT POND GRID

AZA PROPERTY

McGARRY TOWNSHIP

0 50 100 METRES
0 200 400 FEET

LEE GEO-INDICATORS LTD.

FROM R. ANDERSON CHECKED BY: H.A. LEE AUG. 1985