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803407

SUMMARY OF WORK - 1988
GOLDWEDGE PROPERTY
STEWART, BRITISH COLUMBIA
SKEENA, MINING DIVISION
NTS 104 B 8E
LATITUDE 56°
LONGITUDE 130°

BY

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SUMMARY

The Goldwedge fractional claim group is owned by Catear Resources Ltd. and is located approximately 70 km northwest of Stewart, B.C. near Brucejack Lake at the headwaters of Sulphurets Creek, a tributary of the Unuk River. The claims cover an area of fragmental andesites and volcanically derived sedimentary rocks of the Unuk River Formation. All rocks in the area of interest have been pervasively altered to sericite schists with quartz stockworks and, mineralized with pyrite, electrum, tetrahedrite, arsenopyrite, sphalerite, galena and pyrargyrite. These altered zones are interpreted as structurally- controlled, high-level, epithermal vein systems associated with syenodiorite intrusions.

During the period December 1987 to June 1988, Catear conducted a diamond drill and underground program on the Goldwedge property. A total of 9950 feet of BD-BGM size drilling was completed in 62 holes from four different drill sites

The underground program totalled 1034 feet of decline, 85 feet of sumps and stations, 156 feet of raise and 356 feet of drifting on two levels. In addition a stope 96 feet in length was initiated leaving 3800 tons of rock broken in it.

Drilling of 46 holes on the Golden Rocket zone extended the strike length to 500 feet. Drilling of 16 holes also verified the presence of a new gold bearing zone called the Discovery vein. Four out of the 16 holes carried native gold.

Some of the more impressive drill results are as follows:

| | <u>Footage</u> | <u>Width</u> | <u>Opt Au</u> | <u>Opt Ag</u> |
|---------------------------|----------------|--------------|---------------|---------------|
| <u>Discovery Zone</u> | | | | |
| DDH 57 | 15 - 28.7 | 13.7 | .76 | .61 |
| DDH 60 | 0 - 14.5 | 14.5 | .72 | 1.25 |
| | 30.7 - 37.5 | 6.8 | .74 | 1.37 |
| | 50.1 - 54.5 | 4.4 | .303 | 1.88 |
| DDH 62 | 33.2 - 39.2 | 6.0 | 1.175 | 3.33 |
| <u>Golden Rocket Zone</u> | | | | |
| DDH 40 | 104.2 - 106.2 | 2.0 | .219 | .47 |
| DDH 38 | 19 - 20.2 | 1.2 | 29.147 | 12.04 |
| DDH 23 | 178 - 180.5 | 1.5 | 0.377 | 1.65 |

The underground exploration indicated the following results:

1. 178 feet of .825 opt Au and 1.690 opt Ag over a width of 10.75 feet on the 135 foot level (No. 1 level).
2. 48 feet of raise averaging 1.736 opt Au and 5.041 opt Ag over a 5.25 foot width.
3. Approximately half way up the middle of the 96 foot long stope, values averaging 7.896 opt Au and 5.72 opt Ag over a width of 9.91 feet were obtained.

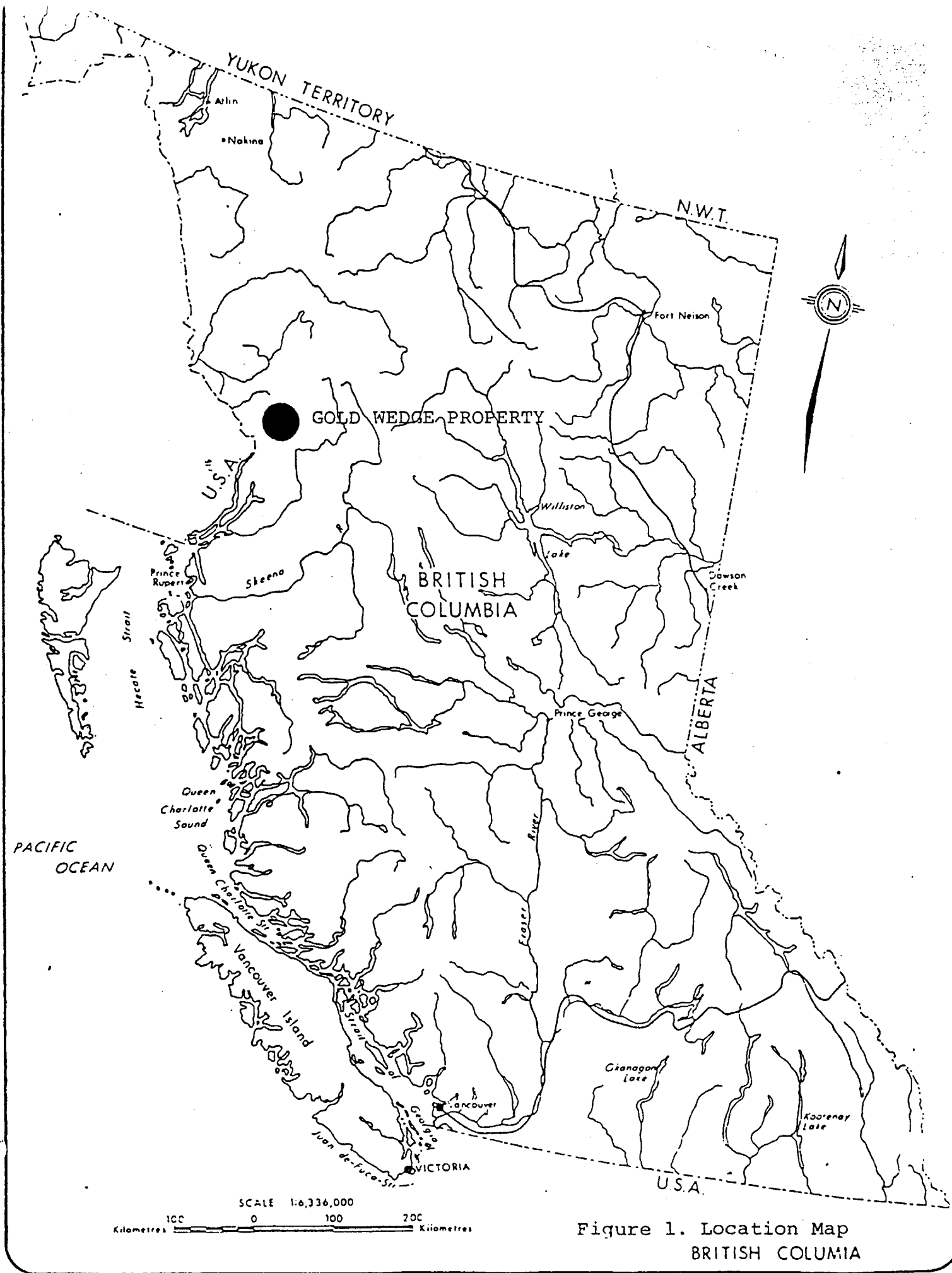
Based on all drill holes to date, the underground programs and all surface sampling, the present ore reserves are as follows:

| <u>Zone</u> | <u>Category</u> | <u>Tonnage</u> | <u>Opt Au</u> | <u>Opt Ag</u> |
|---------------|---------------------------------|----------------|---------------|---------------|
| Golden Rocket | drill indicated and inferred | 319,149 | 0.77 | 6.73 |
| Discovery | drill indicated and inferred | 37,980 | 0.63 | 1.08 |
| Goldridge | drill indicated and inferred | 16,095 | 0.104 | .06 |

The Goldwedge fractional claims are surrounded by the Newcana Joint Venture which recently announced an updated 854,000 tons of .350 opt Au and 23 opt Ag in the West ore body. These reserves do not include the Shore or Gossan Hill zones.

Drilling by Newcana has reported encouraging and promising gold and silver values to 2,000 feet below surface or 2500 feet below the surface expression of the Golden Rocket vein. Employing all drilling and surface sample results obtained from the Golden Rocket vein with measured average width of 15.5 feet, a strike length of 600 feet and a depth of at least 1,500 feet identifies a GEOLOGICALLY POTENTIAL of approximately 1,000,000 tons with a provision of 30% for a waste factor.

Assay results do suggest an erratic distribution of the gold in small spectacular pockets, lenses and stringers as coarse electrum. As a consequence, there is a serious sampling problem as 94% of the gold is in 9% of the rock by volume. The next stage in the property development is a processing of bulk samples to yield greater confidence levels in the assay results to date.



INTRODUCTION

During December 1987 to June 1988, Catear Resources Ltd. conducted a diamond drilling and underground exploration program.

This report was prepared on data accumulated during the December 1987 to June 1988 program as well as information from the Newcana Joint Venture and previous Granduc Mines Ltd. private reports.

The diamond drilling was performed by D.W. Coates Enterprises Ltd. of Delta, B.C. using a J.K. Smit 300 drill and BD-BGM size boring equipment giving a core of 1 5/8 inches in diameter. The underground work was performed by Hartco Mining Services of Sherwood Park, Alberta. All underground sampling, mapping and supervision was by Ken Konkin and Erik Ostensoe, consulting geologists.

All analyses were performed by Loring Laboratories Ltd. of Calgary, Alberta.

Supplies and equipment were ferried to the project via Vancouver Island Helicopter's Bell 204 and Bell 206.

Location and Access

The Goldwedge Property is located near Brucejack Lake approximately 72 km north-northwest of Stewart, B.C. The claim block is centered at latitude 56°28' and longitude 130°11' on NTS sheet 104B/8 east. Access to the property at the present time is by helicopter from Stewart. Access for mobilization is best done by helicopter from the Tide Lake Airstrip from which is approximately a 20 minute trip into Brucejack Lake. Figure 1 shows the property location.

Physiography and Topography

The property area lies within a wide mountain pass separating the Unuk and Bowser River drainage systems. The area consists of relatively gentle rolling alpine meadows bound by rugged mountains to the north and south with Sulphurets glacier to the west and Knipple glacier to the east.

M 104B/8E

56°30'
161(18)

Metel

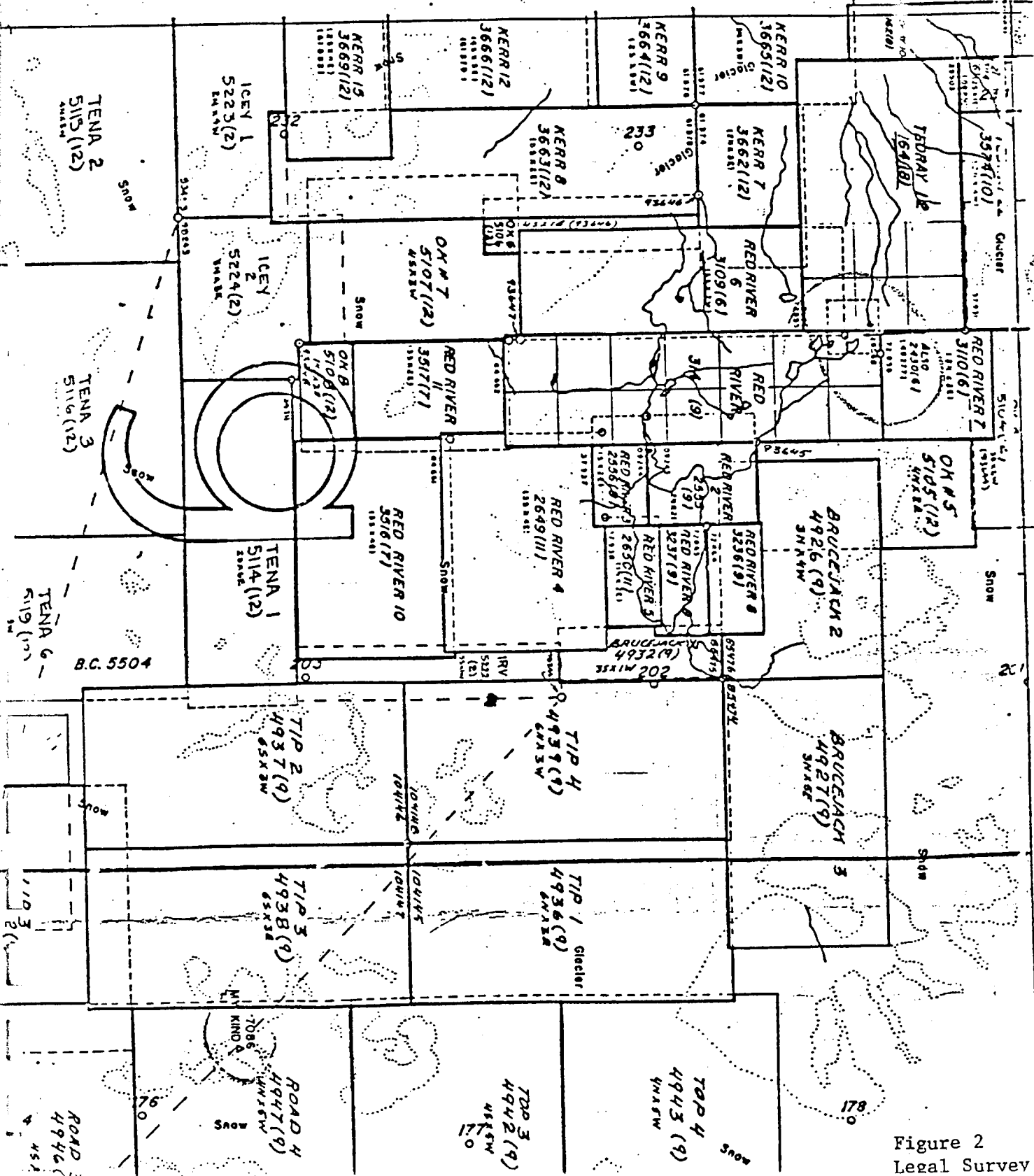
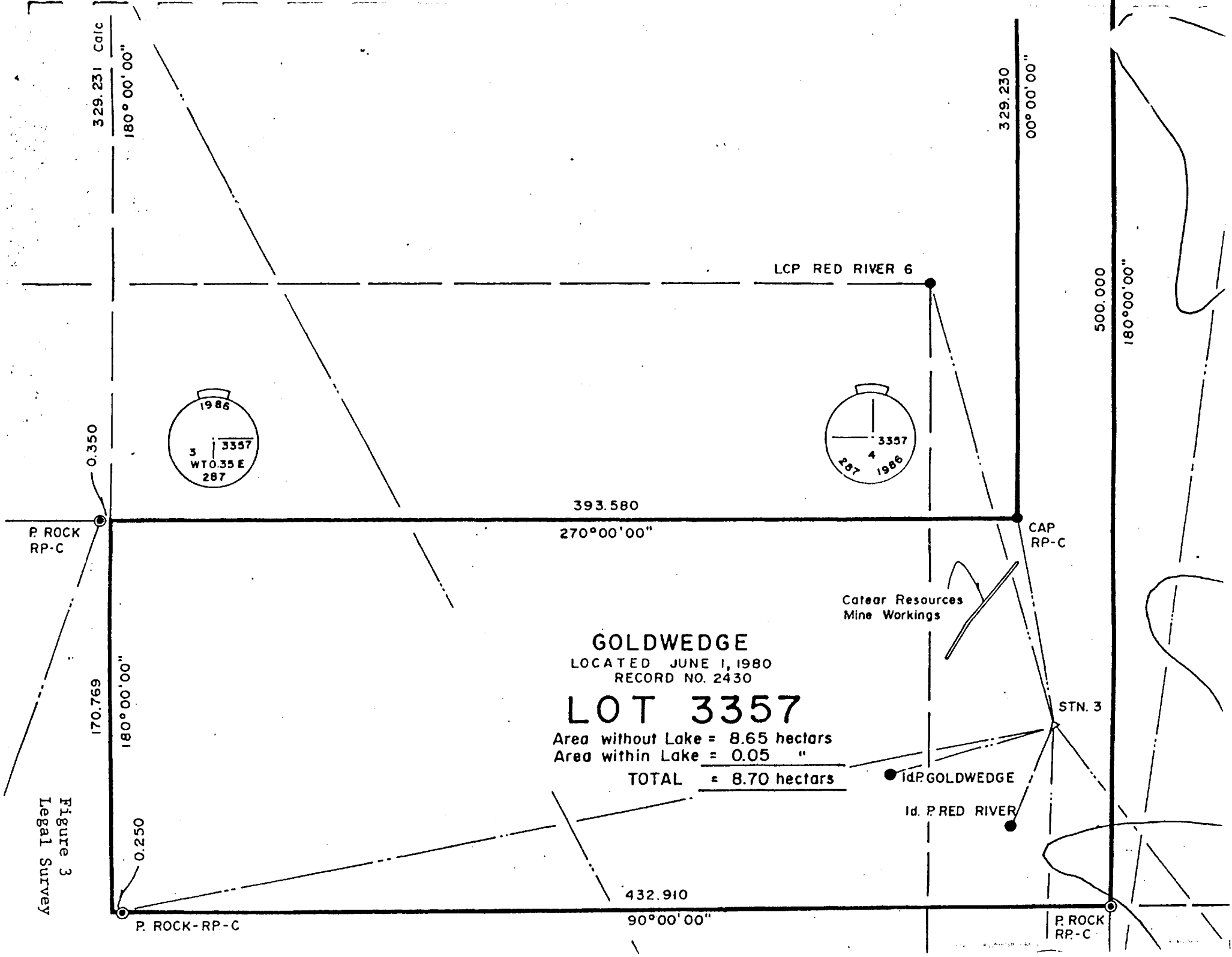


Figure 2
Legal Survey

Figure 3
Legal Survey



GOLDWEDGE
LOCATED JUNE 1, 1980
RECORD NO. 2430
LOT 3357

Area without Lake = 8.65 hectares
Area within Lake = 0.05 "
TOTAL = 8.70 hectares

Catear Resources
Mine Workings

STN. 3

Id. P. GOLDWEDGE

Id. P. RED RIVER

P. ROCK
RP-C

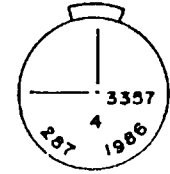
329.231 Calc
180° 00' 00"

329.230
00° 00' 00"

500.000
180° 00' 00"

393.580
270° 00' 00"

0.350



P. ROCK
RP-C

CAP
RP-C

170.769
180° 00' 00"

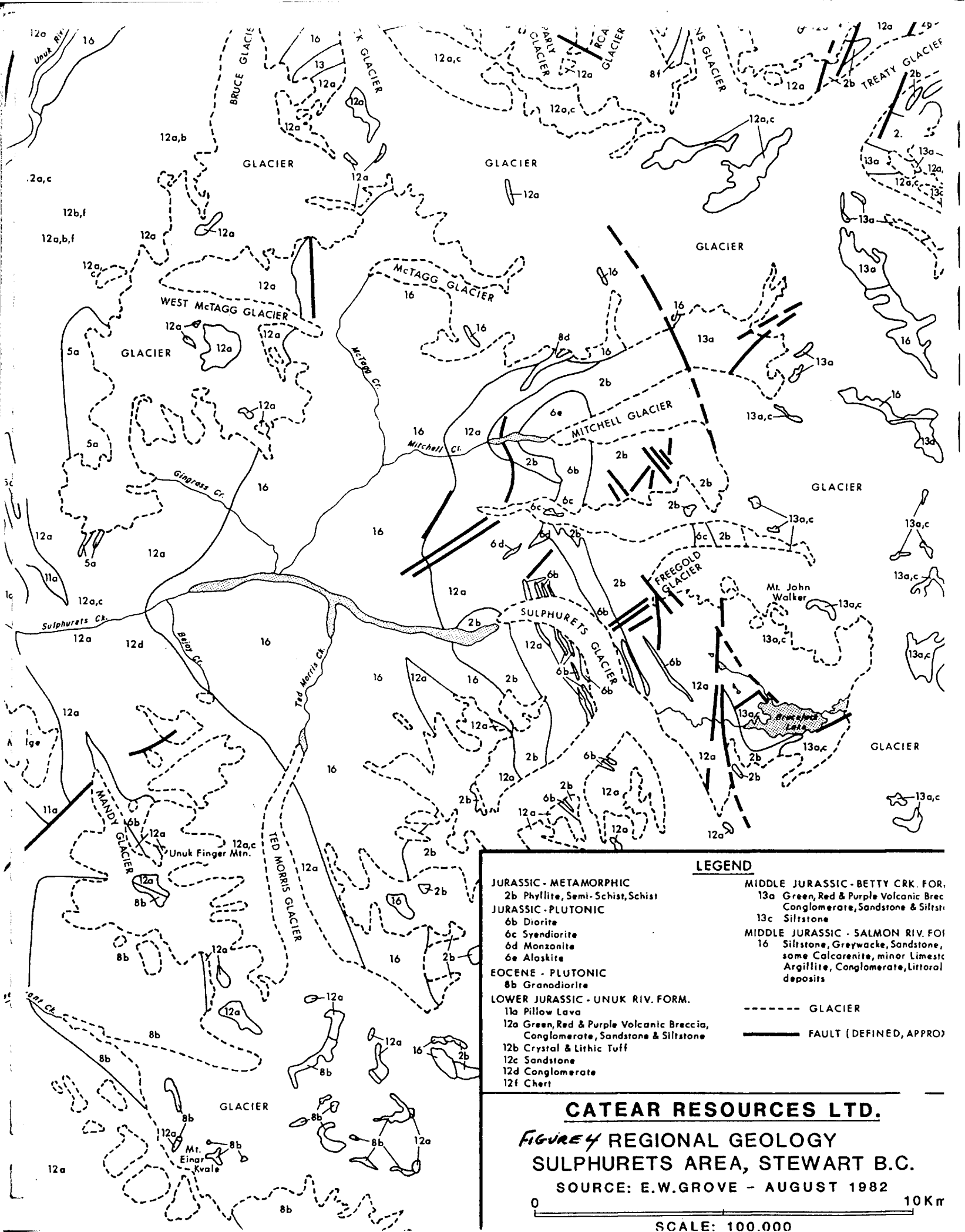
180° 00' 00"

0.250

432.910

90° 00' 00"

P. ROCK-RP-C



LEGEND

- | | | | |
|-----------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| JURASSIC - METAMORPHIC | 2b Phyllite, Semi-Schist, Schist | MIDDLE JURASSIC - BETTY CRK. FOR. | 13a Green, Red & Purple Volcanic Breccia Conglomerate, Sandstone & Siltstone |
| JURASSIC - PLUTONIC | 6b Diorite | | 13c Siltstone |
| | 6c Syendiorite | MIDDLE JURASSIC - SALMON RIV. FOR. | 16 Siltstone, Greywacke, Sandstone, some Calcarenite, minor Limestone Argillite, Conglomerate, Littoral deposits |
| | 6d Monzonite | | |
| | 6e Alaskite | | |
| EOCENE - PLUTONIC | 8b Granodiorite | | |
| LOWER JURASSIC - UNUK RIV. FORM. | 11a Pillow Lava | | |
| | 12a Green, Red & Purple Volcanic Breccia, Conglomerate, Sandstone & Siltstone | --- | GLACIER |
| | 12b Crystal & Lithic Tuff | — | FAULT (DEFINED, APPROX) |
| | 12c Sandstone | | |
| | 12d Conglomerate | | |
| | 12f Chert | | |

CATEAR RESOURCES LTD.

**FIGURE 4 REGIONAL GEOLOGY
SULPHURETS AREA, STEWART B.C.**

SOURCE: E.W.GROVE - AUGUST 1982

0 10K ft

SCALE: 100,000

The elevations on the property vary from 4,600 feet at the south end of Goldwedge 3 to 5,200 feet at the north end of Goldwedge 2.

Small lakes, ponds and streams are numerous with permanent snow occupying depressions and gullies. Outcrop forms up to 50% of the land surface with a thin veneer of large boulders and glacial material covering the rest of the land area. Most of the ground covered by vegetation in the claim areas is of the tundra variety consisting of mosses, grass and lichens. A few stunted evergreen and willow trees are present.

Property Ownership

The property consists of 4 fractional claims as follows:

| <u>Name</u> | <u>Recorded</u> | <u>Record No.</u> |
|-------------|-------------------|-------------------|
| Goldwedge | June 20, 1980 | 2430 |
| Goldwedge 2 | September 3, 1986 | 5516 |
| Goldwedge 3 | September 3, 1986 | 5517 |
| Goldwedge 4 | February 11, 1987 | 5805 |

Catear Resources Ltd. holds a 100% working interest in the Goldwedge claims. Figure 2 and 3 show location of the claims in relation to other surrounding land holdings.

Previous Work

The history and previous work completed on and near the property is best summarized by E.R. Kruchkowski, 1987:

"The first exploration work in the area was mainly to the west of the Brucejack claim. Placer gold attracted miners to the canyons and gravel bars of Sulphurets Creek in the late 1890's and again in the 1930's. In 1935 huge areas of gossans in upper Sulphurets Creek were prospected for gold by Bruce and Jack Johnson of Burroughs Bay, Alaska and claims were staked. During this period, barite veins were located at Brucejack Lake.

A chronology of the more recent precious metals exploration in the Sulphurets Creek-Brucejack Lake area is as follows:

- 1959 - S.W. Barclay, a prospector employed by Granduc Mines, Limited, found gold and silver mineralization between Brucejack Lake and Sulphurets Glacier. Claims were staked late in the season and after being prospected and mapped in 1960, were allowed to lapse.
- 1962 - geologists employed by Granduc Mines, Limited found electrum with iron sulphides near the "Hanging Glacier", an area about 4 km north of the Goldwedge claim and 7 km north of the Barclay discovery. A specimen without obvious electrum assayed 12 ounces per ton gold and 333 ounces per ton silver.
- 1964 - in August 1964, S.W. Barclay, again employed by Granduc Mines, Limited, obtained high silver assays from grab samples taken from the vicinity of the "Hanging Glacier". A flurry of claim staking by Granduc and Silver Ridge Mining Company follows. Granduc trenched and sampled a number of barite-sphalerite-galena-"ruby silver" lenses and Silver Ridge explored its claims by means of prospecting and geochemistry.
- 1974 - a large-scale rock geochemistry program was initiated in the Sulphurets Creek area by E. Ostensoe, Chief Geologist for Granduc Mines, Limited. Grab samples from a newly-discovered lens of massive arsenopyrite, located northwest of the present Goldwedge claim and southwest of the "Hanging Glacier", assayed several ounces per ton in both gold and silver.
- 1975 - trenching of the arsenopyrite lens failed to demonstrate any substantial dimensions. An expanded rock geochemistry grid indicated high values in precious metals south of the "Hanging Glacier" and along the so-called Brucejack Fault zone. Claims were staked.
- 1976 - Granduc Mines, Limited expanded its rock geochemistry survey grid south of Brucejack Lake. The Red River mineral claim (14 units) was staked to cover the Brucejack Fault zone and adjacent areas. Native gold was found by E.R. Kruckowski in two places: one was a bedrock site, the other may have been a "float" piece.
- 1979 - Granduc Mines, Limited transferred responsibility for the Sulphurets Creek area properties to Esso Minerals Canada Ltd.
- 1980 - the Goldwedge claim was staked on open ground between Tedray 12 and Red River claims. Esso Minerals Canada Ltd. reported results of work on "...four separate mineralized areas spaced 7 km apart..." including "...at the south end of the claims, surface sampling of another new find gave values averaging 20.4 grams of gold and 1625 grams of silver per tonne over a length of 20 metres. One hole drilled in the vicinity did not intersect important values."

- 1982 - Granduc Mines, Limited and Esso Minerals Canada Ltd. reported completion of 53 drill holes, with total length of 4633 metres, and 560 metres of trenching. Drilling was concentrated in 12 silver and gold-bearing structures of which two, the Near Shore and West zones located 800 metres apart near Brucejack Lake, received the greatest amount.
- 1982 - small scale mining on the Goldwedge claims produced 61 oz of gold from 30 tons of rock.
- 1983 - Esso Minerals Canada Ltd. continued work on the property and outlined a deposit on the west Brucejack zone. Drill indicated reserves of approximately 160,000 tons grading 0.21 oz Au/ton and 19 oz Ag/ton were outlined along a strike length of 1,000 feet and to a depth of 300 feet. In addition, work outlined the Sulphurets and Snowfield zones; both large tonnage situations with grades approximately 0.08 oz Au/ton.
- 1984
- 1985 - Esso terminated the option agreement with Granduc and the Newcana Joint Venture (Lacana-Newhawk) optioned the property.
- 1985 - small-scale mining using hand methods produced over 200 ounces of gold from 300 tons of rock on the Goldwedge claim. A 40-ton quartz stockpile averaged 1.14 oz/ton Au and 16.4 oz/ton Ag.
- 1985 - the Newcana Joint Venture drilled 13,066 feet in three zones with the drilling indicating an ore reserve of 496,452 tonnes of 0.237 oz Au and 22.87 oz Ag per tonne on the West zone. A mineral inventory of 7,044,208 tons of 0.083 oz Au/tonne on the Snowfield zone and a mineral inventory of 25,091 tonnes of 2.132 oz Au and 3.87 oz Ag per tonne in the Gossan Hill zone were indicated.
- 1986 - the Newcana Joint Venture continued drilling and have announced indicated and inferred tonnages in the Brucejack area of 1,585,145 tons of 0.336 oz Au/ton and 22.86 oz Ag/ton. In addition, the Snowfield and Sulphurets Gold zones have geologically indicated reserves of 40 million tons of 0.08 oz Au/ton.
- 1986 - diamond drilling on the Goldwedge fractional claim group yielded 2600 feet of BQ drill core. The drilling outlined a mineralized vein system of 77,200 tons over a 19.3 foot width. The average grade obtained from diamond drilling and trenching is .53 opt Au and 4.04 opt Ag.
- 1987 - Catear conducted 13,476.5 feet of drilling in 43 holes. Reserves were calculated as 291,916 tons in the drill indicated and inferred categories averaging 0.837 opt Au and 2.56 opt Ag.

GEOLOGICAL SURVEYS

Regional Geology

The Goldwedge claims lie in the Stewart area east of the Coast Crystalline Complex and within the western boundary of the Bowser Basin. Rocks in the area belong to the Mesozoic Hazelton Group and have been intruded by plugs of both Cenozoic and Mesozoic age.

At the base of the Hazelton Group is the Lower Jurassic marine (submergent) and non-marine (emergent) volcaniclastic Unuk River Formation. This is overlain at steep discordant angles by a second, lithologically very similar, Middle Jurassic volcanic cycle (the Betty Creek Formation), in turn overlain by Middle and Upper Jurassic non-marine sediments (with minor volcanics) of the Salmon River and Nass Formations.

The oldest rocks in the area belong to the Lower Jurassic Unuk River Formation which forms a north-northwesterly trending belt extending from Alice Arm to the Iskut River. It consists of green, red and purple volcanic breccia, volcanic conglomerate, sandstone and siltstone with minor crystal and lithic tuff, limestone, chert and coal. Also included in the sequence are pillow lavas and volcanic flows.

In the property area the Unuk River Formation is unconformably overlain by Lower Middle and Middle Jurassic rocks from the Betty Creek and Salmon River Formation, respectively. The Betty Creek Formation is another cycle of trough-filling sub-marine pillow lavas, broken pillow breccias, andesitic and basaltic flows, green, red, purple and black volcanic breccia, with self erosional conglomerate, sandstone and siltstone, and minor crystal and lithic tuffs, chert, limestone and lava. The overlying Salmon River Formation is a late to post volcanic episode of banded, predominantly dark coloured, siltstone, greywacke, sandstone, intercalated calcarenite, minor limestone, argillite, conglomerate, littoral deposits, volcanic sediments and minor flows.

According to E.W. Grove, the majority of the rocks from the Hazelton Group were derived from the erosion of andesitic volcanoes subsequently deposited as overlapping lenticular beds varying laterally in grain size from breccia to siltstone.

There are various intrusives in the area. The granodiorites of the Coast Plutonic Complex largely engulf the Mesozoic volcanic terrain to the west. East of these (in the property area), smaller intrusive plugs range from quartz monzonite to granite to highly felsic; some are, likely, related late phase offshoots of the Coast plutonism, others are synvolcanic and Tertiary. Double plunging, northwesterly-trending synclinal folds of the Salmon River and underlying Betty Creek Formations dominate the structural setting of the area. These folds are locally disrupted by small east-overthrusts (Tippy Lake, Knipple Lake) on strikes parallel to the major fold axis, cross-axis steep wrench faults, selective tectonization of tuff units, and major northwest faults. Figure 4 shows the regional geology of the Sulphurets area of Stewart, B.C.

Local Geology

The area of the Goldwedge claim is underlain by approximately 50% outcrop exposure. Within the property boundary, two main rock types have been noted; fragmental andesite and sericite schist plus or minus quartz stockworks.

The fragmental andesite consists of a highly foliated rock, usually weathering into thin platy fragments. On glaciated and polished outcrop surfaces, andesite clasts range from coarse, dioritic material, almost intrusive in appearance to fine-grained, green porphyritic andesitic material. Clasts form up to 60 - 70% of the rock with a fine-grained ground mass forming the rest. Pyrite occurs as fine cubes and fracture fillings up to 5%. Based on the drilling and underground work, clasts as large as 2 feet in diameter have been noted.

The sericite schist is a dark grey highly foliated unit carrying varying amounts of quartz occurring as stockworks. Within the schist, various sections up to 3-4 inches in width are almost entirely composed of talc. Pyrite occurs as coarse cubes and seams conformable to schistosity in amounts up to 25-30%.

The alteration minerals noted within the property area consisted primarily of chlorite, sericite and talc. Chlorite is common within the foliated andesitic rocks while sericite and talc are found within the sericite schist zones. The contact between the andesitic rocks and sericite zones are gradational rather than sharp. The ground mass of the fragmental andesite appears to be the first to be altered to sericite with the fragments being altered last.

Mariposite occurring as bright green blebs and flakes, was noted throughout the sericite schist zones. It is most commonly seen within talcose zones forming part of the sericite zones. The Goldwedge claim is underlain by several small faults likely related to several major faults in the property area. The first major system is in a NW trending direction and appears to displace altered rocks to the south from unaltered Betty Creek Formation rocks to the North. According to N. Tribe, "Mineralization appears along early fault zones which trend northwesterly and are cut by the Brucejack fault. This configuration appears to control the mineralization of the West Zone and is repeated again on the Shore Zone and the Electrum Zone."

The Goldridge zone would appear to follow a NW trending fracture pattern cut by a later north trending system.

The Golden Rocket vein system is along a fracture zone striking 030° which is probably a splay off the Brucejack fault zone. The Brucejack fault is a major north-south fault zone with up to 3,000 feet of vertical displacement north and east of the property area. The Golden Rocket zone appears to displace the Goldridge zone with

the west side up and the east side down. Another vein system, the Discovery vein system, is located to the east of the Golden Rocket zone and trends east-west and appears to dip vertically.

Within the Golden Rocket zone, post mineralization faulting has occurred. Two different sets of displacement have been noted with the first occurring along the vein system. This fault is marked by 1-2 inches of gouge and granulated quartz and forms a sharp wall to the east in the trenching program. Occasionally the granulated quartz contains fine specks of electrum and gold.

The second set of fractures occurs at right angles to the vein system and varies from flat to high angle faults generally always dipping south. These fractures are very numerous forming individual mineralized blocks 4 - 20 feet in length. Displacement on these appears minimal with the fault traces marked by narrow barren, vuggy and rusty quartz veinlets and fault gouge.

In the underground mapping, the maximum displacement noted has been 7 feet along the left lateral strike-slip fault. These faults are probably splays from the large fault cutting the Golden Rocket along the south edge of the property. It strikes at approximately 135° and dips at 45° (personal communication D. Shaw) to the south. It has placed barren unaltered fragmental volcanics over the mineralized veins.

Along the north side of the property a high angle fault striking at 135° and dipping 85° north has cut off the Golden Rocket zone. Potential extensions have been interpreted as being at depth to the north. Based on D. Shaw's interpretation (personal communication) the Golden Rocket vein has a potential strike length of 1300 feet at 600 feet below surface.

The major faulting patterns have determined the foliation patterns on the project area. Foliation has been noted to strike 031° and 139° within the andesitic and sericitic rocks. These directions correspond to the major northwest and north trending faults in the area.

Figure 5 shows the geology in the immediate vicinity of the vein systems.

Mineralization

The mineralization in the property area is of the epithermal gold vein type and appears to be structurally controlled. The Golden Rocket vein consists of quartz and carbonate with up to 10% sulphides. The vein ranges from simple quartz veinlets less than 1/4 inches in width to complex vein zones and stockworks. The quartz may form 40-45% of the zone in the central portion with decreasing content in the walls. The central portion is 4-6 feet wide with 20-25% quartz forming zones 3-4 feet on either side giving rise to mineralized zone up to 14 feet wide. Away from the above zone, quartz decreases to 10-15% and eventually is absent. Individual veins may be up to 1 foot in width and it appears that the greater the thickness of individual zones the less the sulphide and gold content. Pyrite, tetrahedrite, arsenopyrite, sphalerite, galena, pyrargyrite, electrum, gold, manganese oxides, azurite, malachite, calcite and barite have been noted in the quartz stockwork zone.

Pyrite occurs both in the quartz veins and wall rocks; forming up to 15% of the sericite schist but less than 5% in the quartz vein. It generally occurs as fine disseminations and fracture fillings and rarely as coarse, massive seams conformable to schistosity.

Tetrahedrite occurs as disseminated fine black specks and occasionally as massive seams less than 1 inch in thickness in the quartz. Where the tetrahedrite becomes massive, electrum seams are intimately associated with it. High silver values are also associated with the massive tetrahedrite.

Arsenopyrite always occurs as silver grey, rectangular crystals usually less than 1/8 inch in length. It occurs as fine disseminations in sericite schist along the contact zones with quartz. Coarse massive seams generally with fine blebs of electrum are common, particularly in areas of shearing.

Sphalerite is found throughout the whole stockwork zone and occurs as coarse seams and blebs. It is also found in the quartz as fine blebs. In the schist the colour is generally pale yellow and in the quartz it is a pale brown to amber.

Galena occurs throughout the vein system as fine crystals, generally near sphalerite occurrences.

Pyrrargyrite occurs both as a black mineral and the ruby silver variety. It is noted in small amounts in association with abundant tetrahedrite along greenish coloured chalcedonic quartz.

Manganese oxides occur as fine fracture fillings along oxidized surfaces. They form dendritic patterns which tend to obscure underlying gold and electrum.

Barite has been noted only in two locations and appears pale grey to clear in appearance.

The calcite in the quartz stockwork is clear and exhibits strong rhombohedral cleavage. It forms up to 20% of the quartz calcite stringers.

Malachite and azurite, common along fractures in the zone of surface oxidation, are weathering products of tetrahedrite.

The electrum and gold occurs as fine fracture fillings, near massive seams and specks within the white quartz. They also occur as narrow sheets and seams within the sericite schists, generally where the quartz veinlets have pinched out. Coarse sheets of gold are also present within fault gouge and along slippage surfaces. The estimate is that 85% or more of the gold occurs in this manner. The electrum has an average gold silver ratio of 65:35 and can be pale yellow to red in colour.

The gold also occurs within coarse arsenopyrite crystals some of which form clusters up to 1 inch in length. Assays done on pure arsenopyrite crystals have shown values from 1 opt - 4 opt Au. However, the arsenopyrite forms from 1 - 1.5% of the total rock. The arsenopyrite has been observed both in the glory holes and stope. The drill holes have not indicated much arsenopyrite and this is likely due to concentration in coarse clusters.

Arsenopyrite forms up to 10% locally in the sericite schist wall zones but appears to be barren of values. Thus, it appears to be two ages of mineralization.

The gold also appears to have replaced some of the silver in tetrahedrite. A sample of tetrahedrite was analyzed and showed 800 ppb gold or 0.23 opt Au. Gold up to 200 micron size has been identified as adhering to pyrite grains. However, all pyrite analyses have shown less than 0.03 opt Au.

Drilling on the Discovery vein indicates that mineralogy and quartz content are similar to that of the Golden Rocket vein.

UNDERGROUND EXPLORATION

In the period December 1987 to June 1988, Catear conducted underground exploration that included the following:

1. Decline totalling 1034 feet on a minus 15% slope. The decline heading was 10 x 14 feet in size.
2. Drifting totalling 356 feet on two levels. The drift was approximately 10 x 14 feet in size.
3. Sumps and drill stations totalling 85 feet.
4. Stope 96 feet in length with 3800 tons broken rock in it.
5. Raise 5 x 5 feet and 156 feet in length.

The decline was started 50 feet below the surface elevation of the Golden Rocket Vein and the first intersection on the vein was at 498 feet along the decline and 135 feet below the vein surface. The drifting on the Golden Rocket vein showed that the intense quartz was generally 10-14 feet in width with coarse native gold encountered in one out of every four faces. The faces were washed, mapped and sampled. Sampling was conducted at three levels across the face with the first level at the floor, the second 3 feet above the floor and the third 6 feet above the floor. Periodic sampling of the back was also conducted, the sample assays of the various lithologies were averaged to give one number for every face. This average may include from 6 - 15 different sample assays. Figure 33-35 show the geology and assay plans for the underground program.

Based on the sampling the following results were obtained:

1. 178 feet of drift on the 135 foot level (No. 1 level) averaged .825 opt Au and 1.690 opt Ag over 10.75 feet of width.
2. 48 feet of raise averaged 1.736 opt Au and 5.041 opt Ag over a 5.25 foot width. This was only over the first 48 feet as the

raise passed into the hanging wall and did not re-enter the Golden Rocket zone until near surface.

3. 96 feet of stope on the sixth lift level averaged 7.896 opt Au and 5.72 opt Ag over a width of 9.91 feet.

The above results indicate that underground drifting upgrades the assay results in comparison to diamond drill results. Based on this, it is recommended that further drifting be conducted, particularly on the Discovery vein from the No. 1 level. The drifting would yield a good comparison with the drill results obtained for this vein.

DIAMOND DRILLING

From May 14 to June 20, 1988, Catear Resources Ltd. undertook an underground diamond drill hole program consisting of 62 drill holes totalling 9950 feet. From four drill stations, 12 panels were drilled (Fig. 6). All drill personnel and equipment was supplied by D.W. Coates Enterprises Ltd. A JKS-300 diamond drill rig was utilized with BDB size (thin wall) core. The drill equipment was flown to the Catear camp site utilizing a Bell 204 helicopter and the drillers were accommodated at the Goldwedge camp site.

Core recovery was excellent, in excess of 98%. All split and un-sampled core is presently stored on the property.

A brief geological description of each panel referring to Figures 7 to 18 follows:

Safety Bay Station: Panel #1: 125° azimuth DH88-1 to 88-7 (Fig. 7).

The sericite schist unit is 60 feet wide at the top of the section and appears to be interfingered with the fragmental andesite. The sericite schist tapers to a width of 14 feet at the bottom of the section. Also noted are two fault zones, one at the top and one at the bottom of the section. The magnitude and direction of offset if any is unknown.

Safety Bay Station: Panel #2: 103° azimuth DH88-8 to 88-15 (Fig. 8).

Similar to the previous panel, the sericite schist unit ranges from 50 feet wide at the top of the section to 20 feet wide at the bottom of the section and is over 90 feet wide at the middle portion of the section. As the previous section indicated, the same two fault

zones are apparent at the top and bottom of this section. Also noted is a relatively flat lying fault zone lying across the center of the section. The geological interpretation shows the fault to offset the sericite schist 23 feet laterally to the left.

Safety Bay Station: Panel #3: 86° azimuth DH88-16 to 88-23 (Fig. 9)

This section was drilled 45°, obliquely, to the Golden Rocket vein system. The apparent width of the sericite schist is in excess of 150 feet near the top of the section but tapers down to a width of 25 feet at the bottom of the section where the sericite schist is interfingering with fragmental andesite. Also noted are random blocks of fragmental andesite within the sericite schist unit. The andesitic blocks range from 7 - 18 feet wide to 30 - 55 feet long.

Ramp Station South of C-2: Panel #1: 256° azimuth DH88-24 to 88-27 (Fig. 10).

The sericite schist unit encountered varies in width from 40 feet wide tapering down to 15 feet wide toward the bottom of the section. A geologically inferred fault is evident offsetting the sericite unit approximately 35 feet laterally to the right.

Ramp Station South of C-2: Panel #2: 230° azimuth DH88-28 to 88-32 (Fig. 11).

This section was drilled at a sharp oblique angle to the Golden Rocket vein system. The apparent width of the sericite schist unit varies from 60 feet at the top of the section to 19 feet wide at the bottom of the section. A large lenticular block of fragmental andesite within the sericite schist spans 5 feet wide and approximately 100 feet long.

Clean Water Sump Station: Panel #1: 73° azimuth DH88-33 to 88-35
(Fig. 12).

Sericite schist and fragmental andesite occur as alternating lithological layers 4 - 20 feet wide. Also noted is the change in dip direction of the Golden Rocket vein system due to the undulating nature of structure. The dip changes from a NW direction to a SE direction yet the vein system remains steeply dipping throughout.

Clean Water Sump Station: Panel #2: 117° azimuth DH88-36 to 88-38
(Fig. 13).

Sericite varies in width from 28 to 50 feet in width and contains a large andesitic block within the unit. The fragmental andesite block spans 12 feet in width and 75 feet in length.

Clean Water Sump Station: Panel #3: 143° azimuth DH88-39 to 88-41
(Fig. 14).

The fragmental andesite unit is gradually altered to a sericite schist for 10-20 feet from the hanging wall contact. The sericite schist unit is generally 40-50 feet wide. Minor interfingering of fragmental andesite and sericite schist occurs near the top of the section.

Drill Station in Ramp: Panel #1: 250° azimuth DH88-42 to 88-46 (Fig. 15).

The sericite schist, host unit for the Golden Rocket vein, is 12 feet wide at the top of the section but splits into two arms towards the bottom of the section. Widths of the arms vary from 15 to 35 feet wide.

Drill Station in Ramp: Panel #2: 342° azimuth DH88-47 to 88-51 and 88-57 (Fig. 16).

This panel intersected sericite schist zones associated to the Golden Rocket and Discovery vein systems. The sericite schist associated to the Discovery vein system is first encountered and is approximately 18-35 feet wide. The Golden Rocket sericite schist host is 3-12 feet wide.

Drill Station in Ramp: Panel #3 005° azimuth DH 88-52 to 88-56 (Fig. 17).

Sericite schist hosting the Discovery vein system is encountered very close to the diamond drill station as in the previous section; the schist zone is 15 to 25 feet wide. The holes were drilled much further within the fragmental andesite unit in order to intersect the Golden Rocket system, but only fragmental andesite was encountered. Also noted is a fault cutting across the upper portion of the section. Offsets, if any, are unknown.

Drill Station in Ramp: Panel #4 035° azimuth DH88-58 to 88-62 (Fig. 18).

Sericite schist hosting the Discovery vein system is encountered immediately and is 30-35 feet wide. The holes are all end in frgmental andesite except for hole DH60 bottoms in a minor sericite schist unit.

All the sericite schist zones encountered contained mineralized quartz stockwork and stringer zones belonging to the Golden Rocket and Discovery vein systems. Economically significant mineralization includes: pyrite, arsenopyrite, tetrahedrite, pyrargyrite, galena, spahlerite and electrum. Assay values associated to the sample intervals taken are plotted on Figures 19 to 30. Economically significant assay values (over .02 opt gold) are listed in the following table:

TABLE 1
Significant Gold Assays

| | <u>Intersection</u> | <u>Width</u> | <u>True Width</u> | <u>Au opt</u> | <u>Ag opt</u> |
|--------|---------------------|--------------|-------------------|---------------|---------------|
| DDH-1 | 34.4 - 33.7 | 2.6 | 2.6 | .058 | .07 |
| | 63.4 - 67 | 3.6 | 3.6 | .036 | .40 |
| | 70.4 - 77 | 6.6 | 6.6 | .083 | .19 |
| | 77 - 87.6 | 10.6 | 10.6 | .029 | .45 |
| | 97 - 102.5 | 5.5 | 5.5 | .057 | .16 |
| | 110.3 - 113 | 2.7 | 2.7 | .148 | .40 |
| | 116.2 - 122.7 | 6.5 | 6.5 | .044 | .31 |
| DDH-2 | 107.3 - 112.7 | 5.4 | 5.1 | .022 | .05 |
| | 120 - 128.7 | 8.7 | 7.9 | .026 | .29 |
| DDH-5 | 16.9 - 25 | 8.1 | 7.6 | .033 | .07 |
| | 49 - 53 | 4.0 | 3.8 | .044 | .48 |
| | 81 - 8b | 5.0 | 4.7 | .098 | .11 |
| | 86 - 91 | 5.0 | 4.7 | .031 | .16 |
| | 101 - 127.2 | 26.2 | 24.6 | .042 | .31 |
| DDH-6 | 21.8 - 24.9 | 3.1 | 2.5 | .027 | .19 |
| | 43.8 - 47.5 | 3.7 | 2.95 | .022 | .12 |
| | 112.8 - 118 | 5.2 | 4.2 | .027 | .12 |
| DDH-7 | 43.1 - 46 | 2.9 | 1.3 | .04 | .29 |
| | 135.1 - 138.8 | 3.7 | 2.5 | .027 | .14 |
| DDH-8 | 94.4 - 102.9 | 8.5 | 8.5 | .028 | .11 |
| | 112.7 - 117 | 4.3 | 4.3 | .034 | .17 |
| | 122 - 128.5 | 67.1 | 6.5 | .029 | .25 |
| DDH-9 | 58.8 - 66.5 | 8.7 | 8.0 | .024 | .1 |
| | 113.5 - 119.7 | 6.2 | 5.7 | .022 | .14 |
| | 127.2 - 134.5 | 7.3 | 6.7 | .127 | .11 |
| DDH-10 | 94.1 - 97 | 2.9 | 2.2 | .162 | .12 |
| | 152.4 - 159.6 | 7.2 | 5.5 | .026 | .08 |
| DDH-11 | 144 - 148 | 4.0 | 2.6 | .026 | .17 |
| DDH-13 | 29.9 - 35.5 | 6 | 5.6 | .06 | .05 |
| | 107.9 - 109 | 1.1 | 1.0 | .033 | .11 |
| | 122 - 132 | 10 | 9.3 | .026 | 1.96 |
| DDH-14 | 20.3 - 39 | 8.7 | 7.1 | .029 | .08 |
| | 113.5 - 118.7 | 4.2 | 4.3 | .021 | .04 |
| | 130.9 - 160.5 | 29.6 | 24.2 | .031 | .14 |
| | 160.5 - 163.3 | 2.8 | 2.3 | .207 | .47 |
| DDH-15 | 28 - 32.5 | 4.5 | 3.1 | .02 | Tr |
| | 151 - 157 | 6 | 4.2 | .026 | .13 |
| | 159.4 - 181 | 21.6 | 15.0 | .050 | .38 |

| | <u>Intersection</u> | <u>Width</u> | <u>True Width</u> | <u>Au opt</u> | <u>Ag opt</u> |
|--------|---------------------|--------------|-------------------|---------------|---------------|
| DDH-16 | 48.4 - 50 | 1.6 | 1.6 | .038 | .08 |
| | 56.8 - 65 | 8.2 | 8.2 | .052 | .08 |
| | 97 - 101 | 4 | 4 | .022 | .03 |
| | 105.5 - 112.5 | 8.8 | 8.5 | .035 | .15 |
| | 127 - 136.5 | 9.5 | 9.5 | .022 | .14 |
| DDH-17 | 108.3 - 112.7 | 9.8 | 9.2 | .025 | .14 |
| | 121.7 - 124.8 | 3.1 | 2.9 | .026 | .18 |
| DDH-18 | 124.3 - 137.2 | 12.9 | 10.6 | .041 | .17 |
| | 137.2 - 140.5 | 3.3 | 2.7 | .112 | .17 |
| | 140.5 - 149.8 | 9.3 | 7.6 | .052 | .15 |
| | 164.5 - 168 | 3.6 | 2.9 | .048 | .25 |
| DDH-19 | 165.8 - 169 | 3.2 | 2.2 | .025 | .09 |
| | 193.3 - 194.3 | 1 | .7 | .112 | .22 |
| DDH-21 | 53.6 - 55.8 | 2.2 | 2.1 | .065 | .09 |
| | 66 - 67.5 | 1.5 | 1.4 | .02 | .04 |
| | 90.6 - 94.3 | 3.7 | 3.5 | .033 | .2 |
| | 119 - 120 | 1.0 | .9 | .02 | .18 |
| | 126.3 - 129 | 2.7 | 2.5 | .134 | .15 |
| | 150.5 - 154 | 3.5 | 3.3 | .028 | .15 |
| DDH-22 | 82.5 - 92.3 | 9.8 | 8.2 | .041 | .08 |
| | 92.3 - 93.8 | 1.5 | 1.3 | .118 | .12 |
| | 125.5 - 130 | 4.5 | 3.8 | .023 | .11 |
| | 136 - 140 | 4 | 3.4 | .029 | .09 |
| | 154 - 165.5 | 11.5 | 9.6 | .039 | .21 |
| DDH-23 | 105 - 121 | 16 | 11.7 | .16 | .173 |
| | 137 - 146 | 9 | 6.6 | .023 | .13 |
| | 152.5 - 155 | 2.5 | 1.8 | .021 | .10 |
| | 159 - 168.5 | 9.5 | 6.9 | .026 | .13 |
| | 178 - 180.5 | 1.5 | 1.1 | .377 | 1.65 |
| | 196 - 198 | 2.0 | 1.5 | .045 | 1.44 |
| DDH-24 | 51 - 56 | 5 | 5 | .023 | .09 |
| DDH-26 | 23 - 225 | 1.8 | 1.5 | .021 | .07 |
| DDH-27 | 17.6 - 23.1 | 5.5 | 3.1 | .064 | .1 |
| | 66.5 - 72.5 | 6 | 3.3 | .026 | .02 |
| DDH-28 | 74.1 - 75.6 | 1.5 | 1.5 | .024 | .06 |
| DDH-30 | 12 - 14 | 2 | 1.8 | .021 | .39 |
| | 15 - 19.2 | 4.2 | 3.7 | .041 | .39 |

| | <u>Intersection</u> | <u>Width</u> | <u>True Width</u> | <u>Au opt</u> | <u>Ag opt</u> |
|--------|---------------------|--------------|-----------------------|---------------|---------------|
| DDH-32 | 72.6 - 92.7 | 20.1 | 11.5 | .023 | .13 |
| | 97.5 - 102.3 | 4.8 | 2.7 | .09 | .13 |
| DDH-33 | 31.5 - 38 | 6.5 | 5.4 | .02 | .05 |
| DDH-34 | 25.5 - 30.4 | 4.9 | 2.7 | .034 | .22 |
| | 34 - 36 | 2 | 1.1 | .048 | .36 |
| | 38 - 42.6 | 4.6 | 2.5 | .027 | .18 |
| | 52.3 - 80 | 27.7 | 15 | .034 | .19 |
| DDH-35 | 27.2 - 34.4 | 7.2 | 2.7 | .032 | Tr |
| | 77.3 - 80.8 | 3.5 | 1.4 | .024 | .30 |
| | 84.4 - 86.5 | 2.1 | .8 | .03 | .07 |
| | 131.4 - 140 | 8.6 | 3.3 | .104 | .19 |
| DDH-36 | 26.6 - 28.5 | 1.9 | 1.6 | .023 | .03 |
| | 35.1 - 38.7 | 3.6 | 3.0 | .02 | .08 |
| | 52.3 - 61.5 | 9.2 | 7.6 | .025 | .24 |
| | 66.4 - 68 | 1.6 | 1.3 | .02 | .26 |
| | 76.5 - 80.6 | 4.1 | 3.4 | .042 | .28 |
| DDH-37 | 79.9 - 82.9 | 3 | 1.9 | .033 | .28 |
| | 94.8 - 99.4 | 4.6 | 2.9 | .032 | .08 |
| DDH-38 | 19 - 20.2 | 1.2 | 1.2 | 29.147 • | 12.04 |
| | 74.6 - 77.2 | 2.6 | 1.0 | .09 | .14 |
| | 94.2 - 101 | 6.8 | 2.6 | .022 | .11 |
| | 101 - 115.8 | 14.8 | 5.7 | .101 | .23 |
| | 135 - 137.4 | 2.4 | .9 | .104 | .24 |
| | 160.7 - 170 | 9.3 | 3.6 | .042 | .13 |
| DDH-39 | 3.1 - 7 | 3.9 | 3.2 | .037 | .19 |
| DDH-40 | 70 - 75 | .5 | 3.1 | .025 | .17 |
| | 80 84.5 | 4.5 | 2.8 | .037 | .17 |
| | 94.9 - 97.1 | 2.2 | 1.3 | .157 | .26 |
| | 104.2 - 106.2 | 2.0 | 1.2 | .219 | .47 |
| DDH-42 | 138 - 148.7 | 10.7 | 7.1 | .03 | .40 |
| | 157.5 - 161.3 | 3.8 | 2.5 | .022 | .69 |
| | 171.2 - 173.6 | 1.4 | .93 | .043 | .18 |
| DDH-43 | 137.3 - 144.5 | 7.2 | 3.9 | .024 | .29 |
| | 184 - 204.9 | 20.9 | 11.3 | .03 | .42 |
| | 204.9 - 212.8 | 7.9 | 4.28 | .102 | .54 |
| DDH-44 | 140 - 147 | 7 | 3.6 | .033 | .28 |
| | 250 - 254.8 | 4.8 | 2.5 | .147 | .14 |

| | <u>Intersection</u> | <u>Width</u> | <u>True Width</u> | <u>Au opt</u> | <u>Ag opt</u> |
|--------|---------------------|--------------|-----------------------|---------------|---------------|
| DDH-45 | 145 - 146.8 | 1.3 | .4 | .025 | .09 |
| | 263 - 265 | 2 | .7 | .022 | .21 |
| DDH-46 | 115 - 119.4 | 4.4 | 3.8 | .031 | .22 |
| DDH-48 | 23.3 - 26.7 | 3.3 | 2.6 | .036 | .12 |
| DDH-49 | 28 - 33.2 | 5.2 | 3.3 | .022 | .16 |
| DDH-51 | 50.3 - 59 | 8.7 | 4.2 | .04 | .31 |
| DDH-52 | 16.2 - 17.4 | 1.2 | 1.2 | .026 | .43 |
| DDH-53 | 15.3 - 18.3 | 3.0 | 2.5 | .021 | .32 |
| | 29 - 31.8 | 2.8 | 2.3 | .055 | .30 |
| DDH-55 | 25.8 - 30.9 | 4.1 | 4.2 | .023 | .32 |
| DDH-56 | 25 - 33.8 | 8.8 | 3.7 | .06 | 1.90 |
| | 54.7 - 57.4 | 2.7 | 1.1 | .027 | .16 |
| DDH-57 | 15 - 28.7 | 13.7 | 11.2 | .76 | .61 |
| DDH-58 | 7 - 12.2 | 5.2 | 5.2 | .028 | .35 |
| | 20.1 - 23.6 | 3.5 | 3.5 | .033 | .32 |
| DDH-59 | 11.5 - 17.7 | 10.6 | 8.7 | .06 | .42 |
| | 35.6 - 39.7 | 4.1 | 3.4 | .027 | .29 |
| DDH-60 | 0 - 14.5 | 14.5 | 4.9 | .72 | 1.25 |
| | 30.7 - 37.5 | 6.8 | 2.3 | .74 | 1.37 |
| | 50.1 - 54.5 | 4.4 | 1.5 | .303 | 1.88 |
| DDH-62 | 33.2 - 39.2 | 6.0 | 2.0 | 1.175 | 3.33 |

Figures 19 to 30 show the assay sections for drill holes 1 to 62.

ORE RESERVES

The ore reserve calculation involved blocked out areas of influence around drill holes and glory holes. The average width was calculated for each block and tonnages were obtained for the blocks. The total ounces were obtained by multiplying average grade by tonnage. Compilation of all the tonnages and ounces yielded an average gold-silver grade.

The following parameters have been used in the ore calculations:

1. Gold occurs exclusively within the quartz stockwork within a sericite schist zone. The quartz stockwork forms 25-30% of the ore zone overall. If only the central most intense quartz stockwork is only included, then a width of 4-6 feet would be mined. This would cause the mined grade to be higher as approximately 94% of the gold occurs in this central portion.
2. The gold occurs mainly as coarse particles, sheets and in pockets containing tens of ounces.
3. A cut-off of 0.02 opt Au is used in the ore calculations. This number represents the values obtained when the quartz stockwork is encountered.
4. The gold pockets occur in regular intervals dispersed throughout the whole stockwork zone. During high grading operations every blast generally consisting of 500 - 1000 pounds of broken rock contained some visible gold. Therefore, all the quartz is to be mined to obtain maximum gold values.
5. The gold pockets extend to depth. Drilling at deeper levels has not been detailed and, therefore, has not encountered any pockets. The drift is at 135 feet below surface and shows coarse gold pockets. Therefore, the pockets should extend to at least

270 feet below surface (2 times drift level).

6. The intersection of the north edge of the Goldridge and Golden Rockets veins indicates a wide zone with gold values up to .5 opt over short distances. This area has the potential to drastically increase reserves.
7. The ore zone contains 15% sulphides. This results in 10.5 cubic feet of rock forming 1 ton of rock. This is calculated as follows:
$$\begin{array}{r} .15 \text{ sulphides (S.G. of 4.9)} = .735 \\ .85 \text{ schist and quartz (S.G. of 2.7)} = 2.295 \\ \hline 3.030 \end{array}$$

1 cubic foot water = 62.5 lbs.
1 cubic foot rock = 189.37 lbs.

1 ton = 2,000 pounds : 189.37 = 10.56 cubic feet.
8. Metallurgical work has shown a 96.7% gold and 97% silver recovery using a gravity and flotation circuit.
9. The ore body will be mined up to claim boundary (Agreement by Catear/Newhawk).
10. The ore body dips to the west at -85° then to the east, from 0 - 565 feet below surface, the ore body is vertical.
11. Every hole which has encountered 0.02 opt Au in quartz stockwork has not necessarily been used in ore calculations.
12. Drill holes showing no high gold values (.1 opt Au or higher) have passed through the zone near coarse gold pockets (DDH-33 was included in a waste block but the decline showed coarse gold in the immediate area).

13. Face sampling in some localities showed low gold values while the muck contained coarse gold bearing quartz.

Based on the above parameters an ore calculation is as follows:

Golden Rocket Vein

| <u>Block No.</u> | <u>Influence</u> | <u>Grade</u> | <u>Width</u> | <u>Dimensions</u> | <u>Tons</u> | <u>Oz Au</u> | <u>Oz Ag</u> |
|------------------|---------------------------------|--------------------|--------------|------------------------------|-------------|--------------|--------------|
| 1 | Glory Hole | 2.24 Au | 20' | 156 x 65 | 18,323.9 | 41,045.5 | 82,732.9 |
| 2 | DDH 16,17,20 | 1.286 Au | 1.97' | 143 x 45 | 1,207.3 | 1,552.6 | 2,752.6 |
| 3 | South Glory Hole DDH 8,10,13 | .15 Au .45 Ag | 26.32 | 67 x 40 | 6,717.8 | 1,007.6 | 3,023 |
| 4 | Upper Glory Hole | .148 Au 9.18 Ag | 20 | 50 x 68 (less 20 x 25) | 4,571.6 | 676 | 41,967.3 |
| 5 | DDH 1,2,27,30,31 | .07 | 6.04 | 90 x 72 | 3,727.5 | 260.9 | 11,853.45 |
| 6 | DDH 4 | 2.73 Au 2.08 Ag | 30.2 | 50 x 30 | 4,314.3 | 11,778 | 8,973.7 |
| 7 | DDH 11,14 | .038 Au .31 Ag | 22.1 | 107 x 50 | 9,156 | 347.9 | 2,838 |
| 8 | DDH 5,24,25 | .33 Au .56 Ag | 9.4 | 55 x 35 | 1,723.3 | 568.7 | 965 |
| 9 | DDH 28 | .344 Au .724 Ag | 6.3 | 55 x 35 (less 18 x 21) | 1,142 | 393 | 826 |
| 9a | DDH U-46 | .031 Au .27 Ag | 3.8 | 28 x 21 | 213 | 6 | 58 |
| 10 | DDH 42 | .026 Au .17 Ag | 10.6 | 28 x 84 | 2,374 | 62 | 403 |
| 11 | DDH 35,36,38 | 6.76 Au 3.17 Ag | 15.6 | 51 x 84 (less 7 x 20) | 6,156 | 41,614 | 19,514 |

| <u>Block No.</u> | <u>Influence</u> | <u>Grade</u> | <u>Width</u> | <u>Dimensions</u> | <u>Tons</u> | <u>Oz Au</u> | <u>Oz Ag</u> | |
|------------------|--------------------------|--------------------|--------------|----------------------------------------|-------------|--------------|--------------|--|
| 12 | DDH 26 | .082 Au .92 Ag | 10.32 | 45 x 35 (less 25 x 11) | 1,087 | 89 | 1,000 | |
| 13 | DDH 29 | .044 Au .26 Ag | 6.7 | 53 x 35 | 1,183 | 52 | 307 | |
| 14 | U-17, DDH 43 | .039 Au .13 Ag | 17.5 | 65 x 22 | 2,383 | 93 | 310 | |
| 14a | &-36 | .042 Au .28 Ag | 3.4 | 25 x 38 | 308 | 13 | 80 | |
| 15 | DDH 7 | .057 Au .5 Ag | 15.0 | 60 x 34 | 2,914 | 166 | 1,457 | |
| 15a | U-42 | .03 Au .4 Ag | 7.1 | 10 x 18 | 122 | 4 | 49 | |
| 16 | U-38 | .09 Au | 1.0 | 32 x 39 | 199 | 11 | 17 | |
| | | .14 Ag | | | | | | |
| | | .101 Au | 5.7 | 32 x 39 | 677 | 68 | 156 | |
| | | .23 Ag | | | | | | |
| | | .104 Au | .9 | 32 x 39 | 107 | 11 | 26 | |
| | | .24 Ag | | | | | | |
| | | .042 Au | 3.6 | 32 x 39 | 428 | 18 | 56 | |
| | | .13 Ag | | | | | | |
| | | 29.147 Au | 2.1 | 100 x 100 | 2,000 | 3,720 | 1,600 | |
| | | 12.04 Ag | | | | | | |
| 17 | DDH 53,6,39, 56, U-35 | .13 Au .11 Ag | 15.8 | 120 x 95 (less 18 x 95, 20 x 43) | 13,287 | 1,727 | 1,461 | |
| 18 | DDH 37 | .058 Au .26 Ag | 43 | 36 x 60 | 8,846 | 513 | 2,300 | |
| 19 | DDH 41 | .085 Au | 3.4 | 42 x 51 | 693.6 | 59 | 1,311 | |
| | | 1.89 Ag | | | | | | |
| | | .053 Au | 515 | 42 x 41 | 1,122 | 59 | 449 | |
| 20 | DDH 58 | .088 Au 1.23 Ag | 14 | 100 x 100 | 13,333 | 1,173.3 | 6,399.1 | |
| 21 | DDH 46 | .03 Au | 12 | 71 x 74 | 6,004 | 180 | 900.6 | |
| | | .15 Ag | | | | | | |
| | | .055 Au | 3.2 | 71 x 74 | 1,601 | 88 | 1,520.9 | |
| | | .95 Ag | | | | | | |
| | | .029 Au | 7.2 | 71 x 74 | 3,603 | 104 | 756.6 | |
| | | .21 Ag | | | | | | |
| | | .069 Au | 2.7 | 71 x 74 | 1,351 | 93 | 81 | |
| | | .06 Ag | | | | | | |

| <u>Block No.</u> | <u>Influence</u> | <u>Grade</u> | <u>Width</u> | <u>Dimensions</u> | <u>Tons</u> | <u>Oz Au</u> | <u>Oz Ag</u> |
|------------------|------------------|--------------------|--------------|---------------------------|-------------|--------------|--------------|
| 22 | DDH 57 | .032 Au .35 Ag | 5.5 | 70 x 71 | 2,603 | 83 | 911 |
| 23 | U-19 | .112 Au .22 Ag | .7 | 20 x 25 | 33 | 4 | 7 |
| 24 | U-43 | .102 Au .54 Ag | 4.28 | 33 x 60 | 807 | 82 | 436 |
| 25 | U-44 | .147 Au .14 Ag | 2.5 | 38 x 32 | 290 | 43 | 41 |
| 26 | U-18 | .066 Au .16 Ag | 10.3 | 42 x 39 | 1,607 | 106 | 257 |
| 27 | U-10 | .162 Au .12 Ag | 2.2 | 42 x 30 | 264 | 43 | 32 |
| 28 | U-40 | .157 Au .26 Ag | 1.3 | 47 x 21 | 122.2 | 19.2 | 31.7 |
| 29 | U-2 | .026 Au .29 Ag | 7.9 | 32 x 32 | 770 | 20 | 223 |
| 30 | U-16 | .035 Au .15 Ag | 8.5 | 58 x 28 | 1,314 | 46 | 197 |
| 31 | U-8 | .029 Au .25 Ag | 6.5 | 45 x 42 | 1,170 | 34 | 293 |
| 32 | U-1, U-8 5 | .089 Au .15 Ag | 5.65 | 32 x 55 | 947 | 84 | 142 |
| | | .148 Au .40 Ag | 2.7 | 25 x 32 | 205 | 30.34 | 82 |
| 33 | U-13 | .026 Au 1.96 Ag | 9.3 | 45 x 45 | 1,794 | 47 | 3,516 |
| 34 | U-21 | .134 Au .15 Ag | 2.5 | 27 x 30 | 193 | 26 | 29 |
| 35 | U-14 | .207 Au .47 Ag | 2.3 | 33 x 33 | 238 | 49.4 | 112 |
| 36 | U-23, U-22 | .155 Au .17 Ag | 6.5 | 77 x 80 (less 33 x 33) | 3,139 | 487 | 533 |
| | | .377 Au 1.65 Ag | 1.1 | 40 x 80 | 335 | 126 | 553 |
| | | .045 Au 1.44 Ag | 1.5 | 40 x 80 | 457 | 21 | 658 |

| Block No. | Influence | Grade | Width | Dimensions | Tons | Oz Au | Oz Ag |
|-----------|-----------|-------------------|-------|------------|----------------|----------------|----------------|
| 37 | U-15 | .04 Au .38 Ag | 15 | 37 x 60 | 3,171 | 127 | 1,205 |
| 38 | U-7, U-6 | .027 Au .13 Ag | 3.4 | 25 x 50 | 405 | 11 | 53 |
| 39 | U-32 | .09 Au .13 Ag | 2.7 | 28 x 50 | 387 | 35 | 50 |
| TOTAL | | | | | <u>141,047</u> | <u>109,077</u> | <u>948,814</u> |

Discovery Zone

| | | | | | | | |
|-------|--------|---------------------|------|----------|---------------|----------------|-----------------|
| A | U-57 | .76 Au .61 Ag | 11.2 | 120 x 45 | 5,760 | 4,377 | 3,513 |
| B | U-62 | 1.175 Au 3.33 Ag | 2.0 | 85 x 59 | 955 | 1,122 | 3,190 |
| C | U-51 | .04 Au .31 Ag | 4.2 | 100 x 45 | 1,800 | 72 | 558 |
| D | U-60 | .72 Au | 4.9 | 123 x 47 | 2,697 | 1,942 | 3,371 |
| | | 1.25 Ag | | | | | |
| | | .74 Au | 2.3 | 123 x 47 | 1,266 | 936 | 1,734 |
| | | 1.37 Ag | | | | | |
| E | DDH 56 | .303 Au | 1.5 | 123 x 47 | 825 | 250 | 1,551 |
| | | 1.88 Ag | | | | | |
| TOTAL | | | | | <u>13,926</u> | <u>8,736.4</u> | <u>15,150.7</u> |

The average grade of the Golden Rocket zone is 0.77 opt Au and 6.73 opt Ag. The average grade for the Discovery vein is 0.63 opt Au and 1.09 opt Ag. The various blocks are illustrated in Figures 31 and 32, the longitudinal sections of the Golden Rocket and Discovery veins.

Based on the drilling to date the ore reserves on the property are as follows:

| Zone | Category | Tonnage | OPT Au | OPT Ag |
|---------------|------------------------------|---------|--------|--------|
| Golden Rocket | drill indicated and inferred | 319,149 | 0.80 | 1.12 |
| Discovery | drill indicated and inferred | 37,980 | 0.63 | 1.08 |
| Goldridge | drill indicated and inferred | 16,095 | 0.104 | .06 |

The drill indicated reserves on the Golden Rocket vein include the areas immediately around the drill holes while the drill inferred reserves are extrapolated to an 800 foot depth (deepest drilling 565 feet). On the Golden Rocket vein this would include: 70,857 tons below DDH 29 and 18, 28,674 tons below U-12 and 88,571 tons below DDH 46.

The drill and drift results to date indicate a serious "nugget" effect on the Goldwedge property.

The best guide to grade potential is the bulk sample removed from the Glory holes, which appears to compare well with the drill hole assays and drift sampling for the most intense quartz veining.

| | <u>Au opt</u> | <u>Ag opt</u> | <u>Width(ft.)</u> |
|------------------------------------------|---------------|---------------|-------------------|
| Glory Hole | 1.36* | 0.60 | approx. 4.0 - 4.5 |
| Drifting | 1.34 | -- | 3.92 |
| (.882 - 6.0 with dilution at .02 Au opt) | | | |
| DDH | 0.95 | -- | 6.30 |

* 1.00 opt in native values plus .36 opt in 4 tons of dump material

Table 2
Golden Rocket Vein - Distribution of Gold in Drift Face Samples

1. Distribution of gold by number of samples based on 25-45% quartz in face samples.

| <u>Category</u> (Au opt) | <u>No. of Samples</u> | <u>% of Total</u> |
|-----------------------------|-----------------------|-------------------|
| .01 - .049 | 33 | 62.3 |
| .05 - .099 | 5 | 9.4 |
| .10 - .490 | 7 | 13.2 |
| .50 - .990 | 2 | 3.8 |
| +1.0 | <u>6</u> | <u>11.3</u> |
| | <u>53</u> | <u>100.0</u> |

2. Distribution of gold by length sampled.

| <u>Category</u> | <u>Footage Sampled</u> | <u>% Total</u> | <u>inch(oz)</u> | <u>% Total</u> |
|-----------------|------------------------|----------------|-----------------|----------------|
| .01 - .049 | 131.08 | 63.63 | 42.71 | 1.29 |
| .05 - .099 | 19.50 | 9.47 | 15.59 | .47 |
| .10 - .490 | 25.75 | 12.50 | 70.01 | 2.11 |
| .50 - .990 | 10.75 | 5.22 | 73.26 | 2.21 |
| +1.0 | <u>18.92</u> | <u>9.18</u> | <u>3115.01</u> | <u>93.92</u> |
| | <u>306.00</u> | <u>100.00</u> | <u>3316.58</u> | <u>100.00</u> |

From Table 2, 93.92 % of the gold occurred in 9.18% of the footage sampled across the Golden Rocket vein (17 faces). This will likely translate roughly into a volume distribution, implying that 93.92% of the gold will be localized in approximately 9.18% of the vein volume.

The Glory Hole figure is based on ounces recovered from 300 tons of ore. The drill hole estimate was made by using holes 13, 14, 8, 9, 10, 12, 11, 4, 24, 25, 1, 2, 27, 28, 31, 32, 30, 16, 17, 20, 21 and 22 and the drift grade was calculated from face sample results.

The average in situ vein grade would appear likely to fall within the range 0.95 to 1.36 opt Au. Calculating the average grade of the 25-40% quartz yields a volume of 1.34 opt Au over 47 inches.

Because of the higher grades in the most intense quartz veins, the grade of the ore body can certainly be enhanced at the expense of larger tonnage.

POTENTIAL RESERVES

To date, the company has mainly explored the property along 600 feet of strike length along the Golden Rocket zone. In addition, some drilling has been conducted along the Discovery vein as well as one hole into the Goldridge Zone. Based on D. Shaw's work in the structural features on the property, the vein system has a length of 1300 feet at a depth of 600 feet.

The drilling has only been to a depth of 565 feet below surface along the Golden Rocket vein. The elevation of the surface exposure of the Golden Rocket vein is 5100 feet A.S.L. with the drilling extending to approximately 4500 feet A.S.L. Newhawk has the West and Shore zone ore bodies outcropping at the 4650 foot A.S.L. and have drilled to 3650 feet A.S.L. This would indicate a good depth potential for the Goldwedge property using Newhawk as a comparison.

In addition, the drilling on the Discovery vein has intersected coarse native gold in four out of sixteen holes drilled. This will probably result in the Discovery vein averaging similar grades to the Golden Rocket vein at 0.77 opt Au.

The Goldridge Zone has one drill hole which has intersected .1 opt Au across 5 and 19 feet in two different areas.

It is anticipated that up to 1,000,000 tons exist on the property in 3-4 zones at a grade in excess of 0.50 opt Au.

CONCLUSIONS

1. The Goldwedge property is underlain by altered Jurassic volcanic rocks of the Unuk River Formation. Quartz stockworks containing pyrite, electrum, native gold, tetrahedrite, arsenopyrite, sphalerite, galena and pyrargyrite are located within and along fault zones in which fragmental andesites have been pervasively altered to sericite schist.
2. The Goldwedge property is surrounded by claims held under the Newcana Joint Venture which has recently announced discoveries of gold and silver deposits containing 854,000 tons at 0.350 opt gold and 23 opt silver in the West zone.
3. Gold and silver mineralization on the Goldwedge property is similar in nature to that reported by Newcana and is characteristic of "high-level, epithermal, bonanza-type" occurrences and deposits.
4. Three prospective zones have been outlined on the Goldwedge property: a northeast trending zone termed the GOLDEN ROCKET ZONE, approximately 20 feet in width and, a northwest trending zone termed the GOLDRIDGE ZONE, up to 200 feet in width, and an east-west trending zone termed the DISCOVERY ZONE is up to 30 feet wide. Trenching on the Golden Rocket vein has indicated an exposed strike length of 450 feet.
5. A total of 9950 feet of BDBGM size underground size drilling was completed in 62 holes from 4 different drill sites.
6. Underground drilling of 46 holes on the Golden Rocket Zone extended the strike length 500 feet. Underground drilling of 16 holes also verified the presence of a new gold bearing zone called the Discovery Vein.
7. A compilation of the more impressive drill results are as follows:

| <u>Discovery Zone</u> | <u>Footage</u> | <u>Width</u> | <u>Opt Au</u> | <u>Opt Ag</u> |
|---------------------------|----------------|--------------|---------------|---------------|
| DDH 57 | 15 - 28.7 | 13.7 | .76 | .61 |
| DDH 60 | 0 - 14.5 | 14.5 | .72 | 1.25 |
| | 30.7 - 37.5 | 6.8 | .74 | 1.37 |
| | 50.1 - 54.5 | 4.4 | .303 | 1.88 |
| DDH 62 | 33.2 - 39.2 | 6.0 | 1.175 | 3.33 |
| <u>Golden Rocket Zone</u> | | | | |
| DDH 40 | 104.2 - 106.2 | 2.0 | .219 | .47 |
| DDH 38 | 19 - 20.2 | 1.2 | 29.147 | 12.04 |
| DDH 23 | 178 - 180.5 | 1.5 | 0.377 | 1.65 |

8. An underground program totalled 1034 feet of decline, 85 feet of sumps and stations, 156 feet of raise and 356 feet of drifting on two levels. In addition a stope 96 feet in length was started leaving 3800 tons of broken rock in it.

9. The underground exploration indicated the following results:

A. 178 feet of .825 opt Au and 1.690 opt Ag over a width of 10.75 feet on the 135 foot level (No. 1 level).

B. 48 feet of raise averaging 1.736 opt Au and 5.041 opt Ag over a 5.25 foot width.

C. The middle of the stope 96 foot long averaging 7.896 opt Au and 5.72 opt Ag over a width of 9.91 feet.

10. Based on all drill holes to date, the underground programs and all surface sampling, the present ore reserves are as follows:

| <u>Zone</u> | <u>Category</u> | <u>Tonnage</u> | <u>Opt Au</u> | <u>Opt Ag</u> |
|---------------|------------------------------|----------------|---------------|---------------|
| Golden Rocket | drill indicated and inferred | 319,149 | 0.80 | 1.12 |
| Discovery | drill indicated and inferred | 37,980 | 0.63 | 1.08 |
| Goldridge | drill indicated and inferred | 16,095 | 0.104 | .06 |

11. A bulk sample is recommended to further test and obtain an average grade for the deposit.

RECOMMENDATIONS

It is recommended that all drift material on the Discovery vein and stope material on the Golden Rocket vein be processed through Catear's mill. This would yield a greater confidence level in the assay and drill results to date.

In addition it is recommended that the remainder of the stope on the Golden Rocket vein be narrowed to approximately 6 feet in order to compare the gold values across 6 feet versus 10-12 feet.

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APPENDIX I
DRILL LOGS
DDH U-1-62

| PROPERTY <u>Goldwedge Property</u> | | | | DATE <u>May 18, 1988</u> | STARTED _____ | FINISHED _____ | |
|------------------------------------|--------------|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--|
| DRILL HOLE <u>88- 1</u> | | | | DEPTH <u>127'</u> | DOWN TIME _____ | | |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth <u>125°</u> | Dip <u>+10°</u> | ASSAYS | |
| | | | | DESCRIPTION | | | |
| | 0 - 57.7 | | | Fragmental andesite; dark green, porphyritic, 10-15% hornblende + plagioclase -13 mm phenocrysts in andesitic matrix, 10-20% volcanic rock fragments, subangular, 1-2% white 5-7 mm calcite veinlets, generally 3-5% fine-coarse grained disseminated euhedral pyrite with up to 5-7% disseminated pyrite in silicified zones. | | | |
| 35376 | 16.2 - 19.8 | | | Brecciated fragmental andesite, well silicified 5-7% pyrite disseminated. | | | |
| 35377 | 31.4 - 33.7 | | | 35-40% quartz stockwork in silicified fragmental andesite, 5-7% disseminated blebs pyrite | | | |
| | 57.7 - 122.7 | | | Well silicified and pyritized fragmental andesite with moderate sericite alteration; mottled grey, green, with up to 15% quartz stockwork, locally pyrite 10-15% replacing fragmental andesite fragments, 3-5% disseminated pyrite, <1% disseminated tetrahedrite and sphalerite blebs. | | | |
| 35378 | 63.4 - 67 | | | 5-7% quartz stockwork, 3-5% pyrite, 1% disseminated tetrahedrite (galena?) + sphalerite blebs. | | | |
| 35379 | 67 - 70.4 | | | 7-10% quartz stockwork, 3-5% pyrite, 1% disseminated tetrahedrite (galena?) + sphalerite blebs. | | | |

PROPERTY Goldwedge Property DATE May 19, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88- 2 DEPTH 135' DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 125° Dip -24° | | DESCRIPTION | ASSAYS | | |
|---------------|---------------|------|------|-----------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|--|
| | | | | | | | | | |
| | 0 - 92.3 | | | | | Fragmental andesite; dark green, 10-15% volcanic rock fragments, subangular, 10-15% 1-2 mm plagioclase + hornblende phenocrysts in andesitic matrix, 1-2% 3-5 mm calcite + quartz veinlets, pseudo-dioritic texture, mottled, minor silicification + sericite alteration, 1-2% fine-coarse grained disseminated euhedral pyrite, locally up to 5-7% spotty clusters of pyrite blebs 2-3 cm wide. Well silicified with 5-7% quartz + calcite veinlets at 38.4 - 43.2'. 5-7% spotty pyrite clusters with 5-7% calcite + quartz veinlets brecciated at 58 - 58.4' | | | |
| | 92.3 - 107.3 | | | | | Leached and altered fragmental andesite, moderate-strong sericite alteration, moderately silicified, pale-medium grey-green with faint remnant volcanic rock fragments 10-15% 3-5 cm subangular, 3-5% quartz (barren) 3-9 mm stringers, 3-5% disseminated pyrite. | | | |
| 35386 | 100.6 - 102 | | | | | 3-5% quartz stringers up to 1 cm wide with 2-3% coarse grained blebs yellow sphalerite + <1% disseminated blebs galena | | | |
| 35387 | 107.3 - 112.7 | | | | | Well silicified, cherty, quartz flooded fragmental andesite with 35-40% quartz stockwork, pale grey with white mottled quartz, 2-3% coarse grained blebs sphalerite, 1-2% coarse grained | | | |

PROPERTY Goldwedge Property DATE May 19, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88-2 DEPTH 135' DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 125° Dip -24° | | DESCRIPTION | ASSAYS | | |
|---------------|---------------|------|------|----------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|--|
| | | | | | | | | | |
| | | | | | | disseminated blebs galena | | | |
| | 112.7 - 126.8 | | | | | Fragmental andesite; moderate-strong sericite alteration, medium grey-green, strong chlorite alteration, mottled - locally well silicified with quartz stockwork up to 35-40% over 2' at 124.8 - 126.8. 3-5% disseminated pyrite, trace sphalerite + galena | | | |
| 35388 | 112.7 - 116.2 | | | | | Pyritized fragmental andesite clasts 7-10% | | | |
| 35389 | 116.2 - 120 | | | | | 3-5% quartz stringers, 2-3% disseminated fine grained pyrite | | | |
| 35390 | 120 - 124.8 | | | | | " " " " " " " " " , well silicified | | | |
| 35391 | 124.8 - 126.8 | | | | | 35-40% quartz stockwork, 2-3% disseminated fine grained pyrite, well silicified | | | |
| 35392 | 126.8 - 128.7 | | | | | Sericite schist; shear zone, pale-grey 8" talc gouge, 3-5% quartz stringers 2-3% fine grained disseminated pyrite | | | |
| | 128.7 - 135 | | | | | Fragmental andesite; pale grey (leached) to dark green unaltered (weak chloritic alteration only) porphyritic 5-7% 1-2 mm white plagioclase phenocrysts. 3-5% disseminated fine-coarse grained euhedral pyrite | | | |
| | | | | | | E.O.H. 135' | | | |

PROPERTY Goldwedge Property DATE May 20, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88-3 DEPTH 168' DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 125° Dip -41° | | DESCRIPTION | ASSAYS | |
|---------------|--------------|------|------|-----------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| | | | | | | | | |
| | 0 - 136.8 | | | | | Fragmental andeiste; dark grey-green, 10-15% volcanic rock fragments, 1-5 cm, subangular; porphyritic, 1-2 mm 10-15% hornblende + plagioclase phenocrysts in andesitic matrix, 1-2% 1-8 mm wide quartz + calcite veinlets, 1-2% fine-coarse grained disseminated pyrite, weak chloritic alteration with minor leached sections, well silicified at 52.8 - 54.5, 59.8 - 61.7. | | |
| 35393 | 99.9 - 101.1 | | | | | 20-25% quartz stockwork; weak altered fragmental andesite, 2-3% coarse grained galena in quartz, 1-2% disseminated pyrite in fragmental andesite | | |
| | 136.8 - 153 | | | | | Silicified and altered fragmental andesite; well leached locally pale-medium grey-green, mottled, well silicified 7-10% quartz stringers, 2-3% disseminated pyrite + blebs | | |
| 35394 | 136.8 - 143 | | | | | Moderately silicified, well leached and altered | | |
| 35395 | 143 - 148 | | | | | Well silicified, 7-10% quartz stringers 3-5% disseminated pyrite | | |
| 35396 | 148 - 153 | | | | | Moderately altered fragmental andesite, 3-5% quartz veinlets, disseminated pyrite | | |
| 35397 | 153 - 154.3 | | | | | Altered fragmental andesite; sheared, 4" talc gouge, 7-10% quartz + calcite veinlets, 3-5% disseminated coarse grained pyrite, sheared 65° to C.A. | | |

| PROPERTY <u>Goldwedge Property</u> | | DATE <u>May 20, 1988</u> | | STARTED _____ | FINISHED _____ | |
|------------------------------------|---------------|------------------------------------|------|--------------------------------------------------------------------|----------------|--|
| DRILL HOLE <u>88-4</u> | | DEPTH <u>193'</u> | | DOWN TIME _____ | | |
| | | Azimuth <u>86°</u> Dip <u>-51°</u> | | ASSAYS | | |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | DESCRIPTION | | |
| | 0 - 178.3 | | | FA; dark green, weakly altered, porphyritic 10-15% plagioclase | | |
| | | | | + hornblende 1-2 mm phenocrysts in andesitic matrix, 3-5% volcanic | | |
| | | | | rock fragments, 2-3% quartz + calcite veinlets 1-4 mm wide, | | |
| | | | | 2-3% disseminated fine - coarse grained pyrite, well silicified | | |
| | | | | at 64 - 64.6 & psuedo-dioritic texture | | |
| 35398 | 173.4 - 174.6 | | | well silicified with 2-3% disseminated pyrite | | |
| 35399 | 178.3 - 180.1 | | | Sericite schist; shear zone, pale grey-green, intense sericite | | |
| | | | | + chloritic alteration, 2-3% disseminated pyrite crushed core, | | |
| | | | | 75% recovery | | |
| | 180.1 - 193 | | | Fragmental andesite; dark green-grey, porphyritic 1-2 mm 5-7% | | |
| | | | | plagioclase phenocrysts in andesite matrix, weakly leached to | | |
| | | | | medium grey green at 180.1 - 183, 184 - 189, 1-2% disseminated | | |
| | | | | fine grained and blebs of pyrite, generally a massive unit | | |
| | | | | lacking significant rock fragments. | | |
| | | | | | | |
| | | | | | | |
| | | | | E.O.H. 193' | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

PROPERTY Goldwedge Property DATE May 20, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88-5 DEPTH 131' DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 125° Dip +20° | | ASSAYS | | | | | | | | |
|---------------|-----------|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------|------|---|---|---|---|---|---|--------------|
| | | | | DESCRIPTION | | | | | | | | | | |
| | 0 - 10 | | | Fragmental andesite; mottled grey-white, dioritic textured, 3-5% subrounded volcanic rock fragments 1-3 cm diameter, porphyritic 15-20% 1-3 mm plagioclase + hornblende phenocrysts, trace mariposite, locally well silicified. | | | | | | | | | | |
| 35400 | 16.9 - 20 | | | Well silicified with 20-25% quartz stockwork (difuse) 3-5% pyrite | | | | | | | | | | |
| 35401 | 20 - 25 | | | " | " | " | 5-7% | " | " | " | " | " | " | + mariposite |
| 35402 | 25 - 30 | | | " | " | " | " | " | " | " | " | " | " | " |
| | 30 - 49 | | | Sericite alteration fragmental andesite; pale-medium grey green, strong chloritic + sericitic alteration, 5-7% fine-coarse grained disseminated pyrite clusters weakly altered fragmental andesite 37.5 - 42.5, porphyritic & fragmental 20-25% clasts 1-5 cm subangular | | | | | | | | | | |
| 35403 | 49 - 53 | | | Quartz stockwork; 85-90% white-pale grey quartz in sericite schist host, vuggy & brecciated veining with 1-2% disseminated coarse grained blebs pyrite + <1% tetrahedrite. | | | | | | | | | | |
| | 53 - 69 | | | Fragmental andesite; medium-dark grey-green, weak sericite alteration, minor leached sections, weak 1-2% quartz + calcite veining, 15-20% volcanic rock fragments subrounded 1-3 cm in porphyritic andesite matrix, 1-2% disseminated fine-coarse | | | | | | | | | | |

PROPERTY Goldwedge Property DATE May 20, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88-5 DEPTH 131' DOWN TIME _____
 Azimuth 125° Dip: +20°

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | DESCRIPTION | ASSAYS | |
|---------------|---------------|------|------|----------------------------------------------------------------------|--------|--|
| | | | | | | |
| | | | | grained pyrite | | |
| | 69 | | | Sericitic alteration fragmental andesite with strong silicification, | | |
| | | | | minor unaltered fragmental andesite at 75.2 - 81', overall | | |
| | | | | 10-15% 1-3 cm wide quartz stringers in stockwork, generally | | |
| | | | | 3-5% pyrite, <1% galena and sphalerite. Pale grey-green, | | |
| | | | | remnant volcanic rock fragments 10-15% severely altered. | | |
| 35404 | 69 - 71.3 | | | 3-5% quartz stringers - 1-3 cm, 2-3% pyrite, sheared | | |
| 35416 | 71.3 - 75 | | | pyrite clusters replacing volcanic rock fragments, 7-10% | | |
| 35405 | 81 - 86 | | | 5-7% quartz stockwork, 3-5% pyrite, trace sphalerite + galena | | |
| 35406 | 86 - 91 | | | 3-5% quartz stockwork, 2-3% disseminated pyrite | | |
| 35407 | 91 - 96 | | | well silicified, strong sericite alteration, 2-3% pyrite | | |
| 35408 | 96 - 101 | | | 3-5% quartz stockwork, 2-3% disseminated pyrite | | |
| 35409 | 101 - 106 | | | 5-7% " " " " " " | | |
| 35410 | 106 - 111.8 | | | " " " " " " | | |
| 35411 | 111.8 - 114.8 | | | 30-35% " " " " " trace galena + sphalerite | | |
| 35412 | 114.8 - 122.6 | | | 20-25% " " " " " <1% " " | | |
| 35413 | 122.6 - 127.2 | | | 3-5% " " " " " " | | |
| | 127.2 - 131 | | | Leached fragmental andesite, intense sericite alteration, pale | | |
| | | | | grey, sheared at 130', broken core, 15-20% subangular volcanic | | |

PROPERTY Goldwedge Property DATE May 21, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88-6 DEPTH 176' DOWN TIME _____

Azimuth 125° Dip $+37^{\circ}$

ASSAYS

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | DESCRIPTION | | | |
|---------------|-------------|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| | 0 - 11 | | | Fragmental andesite; dark green, porphyritic, 15-20% 1-3 mm plagioclase + hornblende phenocrysts in andesitic matrix, 3-5% 1-2 cm volcanic rock fragments weak chloritic alteration, minor <1% quartz + calcite 1 mm veinlets, minor leached zones. | | | |
| | 11 - 26 | | | Sericite schist; pale grey-green, strong sericite + chlorite alteration, foliated 30° to C.A., 3-5% fine-coarse grained disseminated pyrite, minor <1% quartz + calcite veinlets, minor silicification. | | | |
| 35414 | 21.8 - 24.9 | | | well silicified, 5-7% disseminated pyrite | | | |
| | 26 - 37.5 | | | Fragmental andesite; as 0-11 | | | |
| | 37.5 - 47.5 | | | Sericite schist; altered fragmental andesite, pale grey, remnant porphyritic fragmental andesite with strong sericite alteration and minor silicification, 1% fine grained disseminated pyrite | | | |
| 35415 | 43.8 - 47.5 | | | 30 - 35% quartz stockwork, 1-2% disseminated pyrite | | | |
| | 47.5 - 84.8 | | | Fragmental andesite; as 0-11 | | | |
| | 84.8 - 172 | | | Sericite schist; pale grey-green, foliated 30° to CA. 15-20% remnant pyritized fragments 1-10 cm long, 3-5% disseminated pyrite, minor silicification 2-3% quartz stringers, | | | |

| PROPERTY <u>Goldwedge Property</u> | | DATE <u>May 21, 1988</u> | | STARTED _____ | FINISHED _____ | |
|------------------------------------|---------------|--------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|
| DRILL HOLE <u>88-7</u> | | DEPTH <u>191'</u> | | DOWN TIME _____ | | |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 125° Dip +47° | | ASSAYS |
| | | | | DESCRIPTION | | |
| | 0 - 16.5 | | | Fragmental andesite; dark green, porphyritic 1-2 mm plagioclase phenocrysts, 5-7% volcanic rock fragments in an andesitic matrix, minor leached and weakly sericite altered sections | | |
| | 16.5 - 29.9 | | | Sericite schist; pale grey-green, intense sericite alteration, minor silicified zones with quartz stockwork 3-5% disseminated pyrite, mottled remnant volcanic fragments + phenocrysts, 4" vein at 19.8 - 20.1 | | |
| 35427 | 26.5 - 29.9 | | | 7-10% quartz stockwork, 3-5% disseminated pyrite | | |
| | 29.9 - 35.4 | | | Fragmental andesite; as 0 - 16.5 | | |
| | 35.4 - 49.5 | | | Sericite schist; altered fragmental andesite; pale grey-green, intense sericite + chlorite alteration, 7-10% remnant volcanic rock fragments + 5-10% remnant plagioclase phenocrysts minor quartz stockwork, 3-5% fine-coarse grained disseminated pyrite + pyritic blebs | | |
| 35428 | 43.1 - 46 | | | 20-25% quartz stockwork, 2-3% disseminated pyrite | | |
| 35429 | 46 - 49.5 | | | fault zone; well sheared, gouge at 48.4 - 49 @ 25° to CA | | |
| | 49.5 - 100.2 | | | Fragmental andesite; as 0 - 16.5 | | |
| | 100.2 - 115 | | | Sericite schist; as 35.4 - 49.5 foliated 30° to CA | | |
| 35430 | 102.1 - 106.5 | | | Well silicified, 5-7% quartz stockwork, 5-7% disseminated pyrite | | |

PROPERTY Goldwedge Property DATE May 22, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88-8 DEPTH 132' DOWN TIME _____

Azimuth 103° Dip +1°

ASSAYS

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | DESCRIPTION | | | |
|---------------|---------------|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| | 0 - 67.8 | | | Fragmental andesite; dark green with paler leached and silicified zones, 10-15% volcanic rock fragments, 5-7% 1-2 mm hornblende and plagioclase phenocrysts in an andesitic matrix, 3-5% diss. pyrite + pyritie clusters, weak 1-2 mm 1-2% quartz-calcite veinlets | | | |
| 35433 | 21.7 - 23.8 | | | 10-15% quartz stockwork 50° to C.A. in intense sericite alteration fragmental andesite with 5-7% pyrite clusters - pyrite seams at 44.8 - 45.7 and 63.4 - 64.4 | | | |
| | 67.8 - 132 | | | Sericite schist; pale grey-green foliated 35° to C.A. 7 - 10% remnant fragmental andesite fragments 1-5cm, 5-7% remnant phenocrysts, minor quartz stockwork, 2-3% disseminated pyrite, locally well silicified | | | |
| 35434 | 67.8 - 72.9 | | | 5-7% quartz stringers, well silicified, 2-3% pyrite | | | |
| 35435 | 94.4 - 102.8 | | | Very mottled, quartz flooded, intense sericitic alteration with 5-7% spotty pyrite clusters + disseminated pyrite | | | |
| 35436 | 108.9 - 112.7 | | | 5-7% quartz stockwork, 3-5% pyrite clusters + disseminated | | | |
| 35437 | 112.7 - 117 | | | " " " " " " " " + trace sphalerite | | | |
| 35438 | 117 - 122 | | | 3-5% " " 2-3% disseminated pyrite | | | |
| 35439 | 112 - 128.5 | | | intense sericitic alteration, well silicified, 3-5% disseminated pyrite | | | |

| PROPERTY <u>Goldwedge Property</u> | | DATE <u>May 22, 1988</u> | STARTED _____ | FINISHED _____ | |
|------------------------------------|--------------|--------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| DRILL HOLE <u>88-9</u> | | DEPTH <u>150'</u> | DOWN TIME _____ | | |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | DESCRIPTION | ASSAYS |
| | 0 - 57 | | | Azimuth 103° Dip -23° Fragmental andesite; dark green, porphyritic, 7-10% 1-2 mm plagioclase + hornblende phenocrysts in an andesitic matrix, 5-7% 1-5 cm volcanic rock fragment minor silicified zones, weak 2-3%, barren white quartz + calcite 1 cm veinlets, 1-2% disseminated pyrite + pyritic blebs minor sericitic alteration + leached paler sections | |
| | 57 - 66.5 | | | Sericite schist; (sericitic alteration fragmental andesite) pale-medium grey green medium-strong sericite + chlorite alteration, locally well silicified with quartz stockwork, remnant 7-10% fragmental andesite fragments, remnant 3-5% hornblende + plagioclase phenocrysts, 3-5% disseminated + blebs pyrite | |
| 35440 | 58.8 - 62.5 | | | 10-15% quartz stockwork, 1-2% disseminated blebs pyrite | |
| 35441 | 62.5 - 66.5 | | | 15-20% " " 3-5% " " " | |
| | 66.5 - 113.5 | | | Sericite alteration fragmental andesite; medium grey, mottled, 10-15% remnant volcanic rock fragments 1-5 cm, 3-5% plagioclase + hornblende phenocrysts, medium sericite + chlorite alteration, 3-5% fine-coarse grained disseminated pyrite, 1-2% 1-2 mm quartz + calcite veinlets, 2-3% random 1mm - 15 mm wide barren | |

PROPERTY Goldwedge Property DATE May 23, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88-10 DEPTH 177' DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | DESCRIPTION | ASSAYS | | |
|---------------|---------------|------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|--|
| | | | | | | | |
| | 0 - 144.5 | | | Fragmental andesite; dark green, porphyritic 1-2 mm, 3-5% plagioclase + hornblende phenocrysts, 5-7% 1-5 cm subangular volcanic rock fragments in an andesitic matrix, minor leaching + sericite + chlorite alteration paler grey-green sections, local weak silicification, 1-2% fine-coarse grained disseminated pyrite, weak 1-2% 1-5 mm barren white quartz + calcite veinlets. | | | |
| 35451 | 94.1 - 97 | | | Well silicified 74-84, 92.5-102.5 strong sericitic alteration. 20-25% quartz stockwork, 2-3% disseminated + blebs pyrite, 1% sphalerite | | | |
| | 144.5 - 171 | | | Sericite schist; pale grey-green, strong sericite + chlorite alteration, well silicified with local quartz stockwork, remnant phenocrysts + volcanic rock fragments of fragmental andesite, 2-3% fine-coarse grained disseminated + blebs pyrite | | | |
| 35452 | 144.5 - 145.8 | | | 10-15% quartz stockwork, 2-3% pyrite, well silicified | | | |
| 35453 | 152.4 - 159.6 | | | 20-25% quartz stockwork, 2-3% pyrite, trace sphalerite | | | |
| 35454 | 159.6 - 162 | | | Weakly altered (sericite) fragmental andesite, barren, no quartz | | | |
| 35455 | 162 - 167 | | | Foliated 65° to C.A., pale grey sericite schist, 3-5% quartz stringers | | | |

PROPERTY Goldwedge Property DATE May 23, 1988 STARTED _____ FINISHED _____

DRILL HOLE 88-11 DEPTH 210' DOWN TIME _____

Azimuth 103° Dip -50°

ASSAYS

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | DESCRIPTION | | |
|---------------|-------------|------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| | 0 - 199.3 | | | Fragmental andesite; medium-dark green, porphyritic, 5-7% plagioclase + hornblende, 7-10% subangular volcanic rock fragments, 1-3 cm, minor pale leached and altered sections, weak silicification with minor quartz + calcite veinleting, 1-2% fine-coarse grained disseminated pyrite. | | |
| | | | | Strong sericitic alteration, well silicified 112-118 | | |
| 35457 | 144 - 148 | | | Strong sericitic alteration, well silicified 7-10% quartz stringers, 2-3% fine-coarse grained disseminated pyrite. | | |
| | | | | Diabase dyke 158-160, $<10^{\circ}$ to C.A. | | |
| 35458 | 199.3 - 205 | | | Sericite schist; pale grey-green, foliated 65° to C.A. intense deformation, convoluted texture, intense sericite + chlorite alteration, well silicified, 3-5% pyrite 15-20% quartz stockwork. | | |
| | 205 - 210 | | | Fragmental andesite; as 0 - 199.3 with fault gouge at 208' 65° to C.A., intense sericitic alteration 208-210. | | |
| | | | | E.O.H. 210' | | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |

| PROPERTY <u>Goldwedge Property</u> | | | | DATE <u>May 23, 1988</u> | STARTED _____ | FINISHED _____ |
|------------------------------------|---------------|------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|
| DRILL HOLE <u>88-12</u> | | | | DEPTH <u>240'</u> | DOWN TIME _____ | |
| | | | | Azimuth <u>103°</u> Dip <u>-57°</u> | | ASSAYS |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | DESCRIPTION | | |
| | 0 - 207.9 | | | Fragmental andesite; medium-dark green, porphyritic, 10-15% 1-2 mm plagioclase + hornblende phenocrysts, 15-20% 3m - 30mm subangular volcanic rock fragments, minor leached zones paler grey-green with medium sericite + chlorite alteration, weak 1-2% 1-10 mm wide quartz + calcite veinleting, 1-2% fine-coarse grained disseminated pyrite | | |
| 35459 | 77.7 - 79.3 | | | Intense sericitic alteration, 10-15% quartz stockwork, 3-5% pyrite | | |
| 35460 | 179 - 184.7 | | | Well silicified, 10-15% quartz stringers, 1-2% pyrite, foliated 55° to C.A. | | |
| | 207.9 - 240 | | | Sericite alteration fragmental andesite pale-medium grey-green, well silicified with quartz stockwork, intense sericite + chlorite alteration, 3-5% disseminated pyrite. | | |
| 35461 | 207.9 - 211.5 | | | 10-15% quartz stockwork, 2-3% pyrite, 1% sphalerite | | |
| 35462 | 211.5 - 215 | | | " " " " " <1% " | | |
| 35463 | 215 - 220 | | | 5-7% " " 3-5% " | | |
| 35464 | 220 - 222.1 | | | Foliated and sheared 65° to C.A., talc gouge at 221.5 - 222.1 | | |
| 35465 | 222.1 - 224.2 | | | Very well silicified, 3-5% quartz stringers, 3-5% disseminated pyrite | | |
| | | | | E.O.H. 240' | | |

| PROPERTY <u>Goldwedge Property</u> | | | | DATE <u>May 23, 1988</u> | STARTED _____ | FINISHED _____ |
|------------------------------------|-------------|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|
| DRILL HOLE <u>88-13</u> | | | | DEPTH <u>140'</u> | DOWN TIME _____ | ASSAYS |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 103° Dip +21° DESCRIPTION | | |
| | 0 - 25 | | | Fragmental andesite; dark green, porphyritic, 5-7% 1-2 mm plagioclase + hornblende phenocrysts, 10-15% 1-5 cm volcanic rock fragments subangular, minor pale grey-green sericite alteration, leached zones, 3-5% disseminated pyrite | | |
| | 25 - 35.5 | | | Sericite schist; pale grey-green, intense sericite + chlorite alteration, foliated 55° to C.A., 3-5% pyrite disseminated, remnant fragmental andesite, well silicified with quartz stockwork. | | |
| 35466 | 25 - 29.9 | | | Sheared sericite schist, 55° to C.A., 3-5% pyrite | | |
| 35467 | 29.9 - 35.5 | | | Well silicified, 7-10% quartz stockwork, 3-5% pyrite | | |
| | 35.5 - 73.6 | | | Fragmental andeiste; as 0-25, Foliated 30° to C.A., sheared at 70.6 & 73.6 | | |
| | 73.6 | | | Sericite schist; alteration fragmental andesite; pale grey green with medium grey green weakly altered fragmental andesite, strong-medium chlorite + sericite alteration, foliated 40° to C.A., remnant fragmental andesite fragments + phenocrysts, well silicified with quartz stockwork, leached, 3-5% fine-coarse grained disseminated + blebs pyrite | | |
| 35468 | 78.9 - 79.9 | | | 1 cm wide quartz ringers with 1% coarse blebs galena | | |

PROPERTY Goldwedge Property DATE May 23, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88-13 DEPTH 140' DOWN TIME _____

Azimuth 103° Dip +21°

ASSAYS

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | DESCRIPTION | | | |
|---------------|-------------|------|------|---------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| 35469 | 83.3 - 88.3 | | | Intense sericite alteration, mottled, 5-7% disseminated + blebs pyrite, well silicified, 3-5% quartz stringers | | | |
| 35470 | 88.3 - 93 | | | 15-20% quartz stockwork, 3-5% disseminated pyrite | | | |
| 35471 | 93 - 98 | | | 25-30% " " " " " | | | |
| 35472 | 98 - 100.5 | | | 5-7% " " " " " gouge at 100' 10° to C.A. | | | |
| 35473 | 107.9 - 109 | | | 45-50% quartz stockwork, 3-5% pyrite, <1% sphalerite | | | |
| 35474 | 109 - 112 | | | Sericite schist with 2-3% pyrite | | | |
| 35475 | 112 - 117 | | | 7-10% quartz stockwork, 3-5% pyrite | | | |
| 35476 | 117 - 122 | | | 10-15% " " " " | | | |
| 35477 | 122 - 124.7 | | | 25-30% " " 2-3% " , 1% sphalerite + galena | | | |
| 35478 | 124.7 - 129 | | | 3-5% quartz stringers, 5-7% pyritized fragmental andesite fragments | | | |
| 35479 | 129 - 132 | | | 35-40% quartz stockwork, 2-3% disseminated + trace sphalerite, galena | | | |
| 35480 | 132 - 135.5 | | | 7-10% quartz stockwork, 2-3% sheared contact with sericite alteration fragmental andesite at 135.5 60° to C.A. | | | |
| | 135.5 - 140 | | | Sericite alteration fragmental andesite, pale-medium grey green, 10-15% subangular 1-5 cm volcanic rock fragments, strong sericite | | | |

PROPERTY Goldwedge Property DATE May 24, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88-14 DEPTH 171' DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 103° Dip +35° | | ASSAYS | |
|---------------|-------------|------|------|-------------------------------------------------------------------|--|--------|--|
| | | | | DESCRIPTION | | | |
| | 0 - 23.6 | | | Fragmental andesite; medium-dark green, porphyritic 10-15% | | | |
| | | | | 1-3 mm plagioclase + hornblende phenocrysts, 5-7% volcanic | | | |
| | | | | rock fragments in an andesitic matrix, weak 1-2 mm 1-2% quartz | | | |
| | | | | calcite veinletting, minor silicification + leached zones | | | |
| | | | | (paler grey green) with weak-medium alteration, 1-2% fine | | | |
| | | | | grained disseminated pyrite | | | |
| | 23.6 - 39 | | | Sericite schist, pale grey, intense sericite + chlorite | | | |
| | | | | alteration, remnant fragmental andesite fragments & phenocrysts, | | | |
| | | | | fault gouge 28' 30° to C.A., 2-3% disseminated pyrite + | | | |
| | | | | replacement of fragmental andesite fragments | | | |
| 35481 | 30.3 - 32.8 | | | 35-40% quartz stockwork, 3-5% pyrite, <1% galena + sphalerite | | | |
| 35482 | 32.8 - 39 | | | 3-5% 3-8 mm wide quartz stringers 5-7% disseminated pyrite | | | |
| | 39 - 109 | | | Fragmental andesite; as 0 - 23.6. Medium-strong sericite | | | |
| | | | | alteration at 43.5 - 61. Foliated 40° to C.A. | | | |
| 35483 | 48.8 - 51.9 | | | 30-35% quartz stockwork, 1-2% fine grained disseminated pyrite, | | | |
| | | | | trace galena, sphalerite. Sheared at 56.5', 35° to C.A. Minor | | | |
| | | | | barren quartz + calcite veinletting at 60.5 - 61.5, 65.5 - 65.8 | | | |
| | 109 - 171 | | | Sericite schist, pale grey-green, foliated 50° to C.A., intense | | | |
| | | | | sericite alteration, 3-5% fine-coarse grained disseminated pyrite | | | |

PROPERTY Goldwedge Property DATE May 24, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88-14 DEPTH 171' DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 103° +35° | | | ASSAYS | | |
|---------------|---------------|------|------|-------------------------------------------------------------|--|--|--------|--|--|
| | | | | DESCRIPTION | | | | | |
| | | | | 7-10% quartz stockwork well silicified, remnant volcanic | | | | | |
| | | | | rock fragments 10-15%, minor medium green weakly alteration | | | | | |
| | | | | fragmental andesite | | | | | |
| 35484 | 110.7 - 113 | | | 10-15% quartz stockwork, 3-5% disseminated pyrite | | | | | |
| 35485 | 113.5 - 118.7 | | | 3-5% 1-5 cm quartz stringers, disseminated pyrite | | | | | |
| 35486 | 124.9 - 127 | | | 30-35% quartz stockwork, 1-2% " " | | | | | |
| 35487 | 130.9 - 135.6 | | | 3-5% quartz stringers, 3-5% " " | | | | | |
| 35488 | 135.6 - 141 | | | 15-20% quartz stockwork, " " " | | | | | |
| 35489 | 141 - 146 | | | 7-10% " " " " " | | | | | |
| 35490 | 146 - 151 | | | 2-3% quartz stringers, 2-3% " " | | | | | |
| | | | | Foliated 30° to C.A. | | | | | |
| 35491 | 151 - 156 | | | 10-15% quartz stockwork, 2-3% disseminated pyrite | | | | | |
| 35492 | 156 - 160.5 | | | 2-3% quartz stringers, " " " | | | | | |
| 35493 | 160.5 - 163.3 | | | 10-15% quartz stockwork, " " " , talc gouge | | | | | |
| | | | | at 163.3' contact with barren sericite schist (altered | | | | | |
| | | | | fragmental andesite) | | | | | |
| | | | | E.O.H. 171' | | | | | |

| PROPERTY | | Goldwedge Property | | DATE | May 24, 1988 | STARTED | FINISHED |
|---------------|---------------|--------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|----------|
| DRILL HOLE | | 88-15 | | DEPTH | 195' | DOWN TIME | |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 103° Dip +46° DESCRIPTION | | | ASSAYS |
| | 0 - 37.4 | | | Fragmental andesite; dark green, mottled, psuedo-dioritic texture, porphyritic, 10-15% plagioclase + hornblende phenocrysts, 5-7% volcanic rock fragments, paler grey-green sericite alteration sections, minor sericite schist at 28 - 32.5 foliated 25° to C.A., 1-2% disseminated pyrite in fragmental andesite, 3-5% calcite + quartz veinlets | | | |
| 35494 | 28 - 32.5 | | | Sericite schist with 3-5% quartz stringers, 2-3% pyrite | | | |
| 35495 | 45.4 - 47.6 | | | 10-15% quartz stockwork, in sericite schist, 2-3% pyrite | | | |
| | | | | Strong leaching + sericite alteration at 119-124.5' | | | |
| | 137.4 - 186.2 | | | Sericite schist; pale grey-green, foliated 40° to C.A., intense sericite + chlorite alteration, well silicified with quartz stockwork, 2-3% disseminated pyrite | | | |
| 35496 | 141.5 - 144.8 | | | 65-70% quartz stockwork, 2-3% disseminated pyrite | | | |
| 35497 | 144.8 - 147 | | | Well silicified sphalerite with no quartz stockwork, 1-2% pyrite | | | |
| 35498 | 147 - 151 | | | 7-10% quartz stockwork, 2-3% pyrite, trace sphalerite | | | |
| 35499 | 151 - 157 | | | 5-7% " " " " | | | |
| 35500 | 157 - 159.4 | | | Weak-medium altered fragmental andesite, 1-2% disseminated pyrite | | | |
| 42501 | 159.4 - 166 | | | 15-20% quartz stockwork, 2-3% disseminated pyrite | | | |
| 42502 | 166 - 170.5 | | | 5-7% " " " " | | | |

| PROPERTY <u>Goldwedge Property</u> | | DATE <u>May 25, 1988</u> | STARTED _____ | FINISHED _____ |
|------------------------------------|-------------|-----------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DRILL HOLE <u>88- 16</u> | | DEPTH <u>146'</u> | DOWN TIME _____ | |
| | | Azimuth <u>86°</u> Dip <u>+1°</u> | | ASSAYS |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | DESCRIPTION |
| | 0 - 56.8 | | | Fragmental andesite; dark green, porphyritic 7-10% 1-2 mm plagioclase + hornblende phenocrysts, 3-5% subangular 1-5 cm volcanic rock fragments, paler silicified & leached zones with weak-medium chlorite + sericite alteration, 2-3% disseminated fine-coarse grained pyrite, 1-2% barren white quartz + calcite 1-5 mm veinlets |
| 42505 | 48.4 - 50 | | | 10-15% barren white quartz stringers, 1-2% pyrite |
| | 56.8 - 67.2 | | | Sericite schist, pale grey, well silicified with quartz stockwork, foliated 70° to C.A., 1-2% pyrite, 1% sphalerite + galena |
| 42506 | 56.8 - 60.8 | | | 10-15% quartz stockwork, 2-3% disseminated pyrite |
| 42507 | 60.8 - 65 | | | 35-40% " " " " " , 1-2% sphalerite 1% galena |
| 42508 | 65 - 67.2 | | | 3-5% quartz stockwork, 2-3% disseminated pyrite |
| | 67.2 - 146 | | | Sericite alteration fragmental andesite, pale-medium grey-green medium-strong sericite alteration of porphyritic fragmental andesite. 2-3% 1mm - 20 mm barren white calcite + quartz veinlets, 1-2% disseminated fine-coarse grained pyrite |
| 42509 | 91.8 - 93.8 | | | 35-40% quartz + calcite stockwork, vuggy, 1-2% pyrite |

| PROPERTY <u>Goldwedge Property</u> | | DATE <u>May 25, 1988</u> | STARTED _____ | FINISHED _____ | | |
|------------------------------------|---------------|--------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| DRILL HOLE <u>88-17</u> | | DEPTH <u>141'</u> | DOWN TIME _____ | | | |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | DESCRIPTION | ASSAYS | |
| | 0 - 102.8 | | | Fragmental andesite; dark green, porphyritic 5-7% 1-2 mm plagioclase + hornblende phenocrysts, 3-5% 1-5 cm volcanic rock fragments in an andesitic matrix, paler grey leached silicified and sericite alteration zones, 2-3% 1-10 mm quartz + calcite barren veinlets 2-3% fine-coarse grained disseminated + blebs pyrite | | |
| 42519 | 92.5 - 94 | | | Very well silicified, 2-3% pyrite blebs | | |
| 42520 | 98.8 - 102.8 | | | 5-7% pyrite blebs | | |
| | 102.8 | | | Sericite schist, pale grey-green; intense sericite + chlorite alteration, well silicified with quartz stockwork, 2-3% disseminated + blebs pyrite, minor <1% coarse grained blebs sphalerite, trace galena, foliated 80° to C.A. weakly | | |
| 42521 | 102.8 - 108.3 | | | 2-3% quartz stringers, 5-7% pyrite, <1% sphalerite | | |
| 42522 | 108.3 - 112.7 | | | 15-20% quartz stockwork, 3-5% pyrite, <1% sphalerite, trace galena | | |
| 42523 | 112.7 - 118 | | | 2-3% quartz stringers, 1-2% pyrite | | |
| 42524 | 118 - 121.7 | | | 5-7% quartz stringers, 1-2% pyrite | | |
| 42525 | 121.7 - 124.8 | | | 15-20% quartz stockwork, 2-3% pyrite, trace sphalerite | | |
| 42526 | 124.8 - 128.3 | | | Well silicified medium sericite alteration fragmental andesite | | |
| 42527 | 128.3 - 131 | | | Fragmental andesite; weak silicified + weak sericite alteration | | |

PROPERTY Goldwedge Property DATE May 25, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88-18 DEPTH 168' DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | DESCRIPTION | ASSAYS | | |
|---------------|---------------|------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|--|
| | | | | | | | |
| | 0 - 114.5 | | | Fragmental andesite; dark green, mottled-psuedo diorite texture, porphyritic, 10-15% 1-2 mm, plagioclase + hornblende phenocrysts, 5-7% 1-3 cm volcanic rock fragments in an andesitic matrix, weak 1-10 mm calcite + quartz barren 1-2% veinleting, 1-2% fine grained disseminated pyrite, pale grey-green leached, silicified and weakly sericite alterered zones. | | | |
| | 114.5 | | | Sericite schist; pale grey-green with minor weakly alteration fragmental andesite medium green, upper sericite schist contact 40° to C.A., mottled with 3-5% blebs pyrite, strong sericite alteration, well leached and locally well silicified with quartz stockwork | | | |
| 42530 | 124.3 - 127.1 | | | 3-5% quartz stringers, 1-2% disseminated pyrite, sheared 60° to C.A. at 124.5' | | | |
| 42531 | 127.1 - 131 | | | Mottled with 7-10% pyrite blebs | | | |
| 42532 | 131 - 137.2 | | | " " " " " + 1-2% sphalerite | | | |
| 42533 | 137.2 - 140.5 | | | 15-20% quartz stockwork, 5-7% pyrite bleb, 1-2% sphalerite + galena | | | |
| 42534 | 140.5 - 143.4 | | | Well silicified with 3-5% pyrite blebs | | | |
| 42535 | 143.4 - 146 | | | 10-15% quartz stockwork, 3-5% pyrite blebs + seams | | | |

| PROPERTY <u>Goldwedge Property</u> | | | | DATE <u>May 25, 1988</u> | STARTED _____ | FINISHED _____ |
|------------------------------------|---------------|------|------|------------------------------------------------------------------|-----------------|----------------|
| DRILL HOLE <u>88-19</u> | | | | DEPTH <u>205'</u> | DOWN TIME _____ | |
| | | | | Azimuth <u>86°</u> | Dip <u>-47°</u> | ASSAYS |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | DESCRIPTION | | |
| | 0 - 160.4 | | | Fragmental andesite, dark green, speckled, porphyritic | | |
| | | | | 7-10% plagioclase + hornblende 1-2mm phenocrysts, 3-5% 1-3 cm | | |
| | | | | volcanic rock fragments in an andesitic matrix, paler grey- | | |
| | | | | green leached, weakly sericite alteration & silicified sections, | | |
| | | | | minor 1-2% barren quartz + calcite veinleting, 1-2% fine | | |
| | | | | grained disseminated pyrite | | |
| | | | | @ 61.7 - 9" cherty section with narrow barren calcium carbonite | | |
| | | | | stringers - minor pyrite along fractures | | |
| | | | | @ 82 - weak sericite with abundant calcium carbonite veinlets | | |
| | | | | for 12" | | |
| | | | | @ 147 - start of weak sericite alteration along fractures - | | |
| | 160.4 - 183 | | | numerous calcite stringers along fractures approx. 3-4% | | |
| 42541 | 160.4 - 165.8 | | | Weak quartz stockwork in weakly altered zone - abundant pyrite | | |
| 42542 | 165.8 - 169 | | | as belbs, stringers approx 5-10% | | |
| 42543 | 169 - 173.3 | | | | | |
| 52544 | 173.3 - 174.3 | | | | | |
| 52545 | 174.3 - 177 | | | | | |
| 42546 | 177 - 182 | | | | | |
| 52547 | 182 - 185 | | | 183 - 185 diabase dyke | | |

| PROPERTY | | Goldwedge Property | | DATE | May 26, 1988 | STARTED | May 26 | FINISHED | May 26 |
|---------------|---------------|--------------------|------|----------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|--------|
| DRILL HOLE | | 88-20 | | DEPTH | 259' | DOWN TIME | | ASSAYS | |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 86° Dip -55° | | DESCRIPTION | | | |
| | 0 - 179 | | | | | Fragmental andesite, coarse pyrite blebs, rare minor narrow calcite veinlets. @ 31' - 1.5 foot section of weak sericite alteration with quartz-calcite and massive pyrite stringers less than 1/4" | | | |
| | 179 - 184.5 | | | | | Sericite schist with strong quartz stockwork. Approx 10% quartz | | | |
| | | | | | | 181 - 184.5 | | | |
| 42551 | 179 - 181.0 | | | | | Abundant coarse pyrite approx 15% with trace sphalerite | | | |
| 42552 | 181.0 - 184.5 | | | | | | | | |
| | 184.5 - 214 | | | | | Fragmental andesite | | | |
| | 214 - 219 | | | | | Sericite schist with weak quartz stockwork @ 215.5 - 3" quartz stringer | | | |
| 42553 | 214 - 215.5 | | | | | Abundant coarse pyrite | | | |
| 42554 | 215.5 - 218 | | | | | Fragmental andesite @ 250' fault gouge for 6" | | | |
| | 218 - 219 | | | | | | | | |
| 42555 | 218 - 259 | | | | | | | | |
| | | | | | | E.O.H. 259' | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| PROPERTY <u>Goldwedge Property</u> | | DATE <u>May 28, 1988</u> | | STARTED _____ | | FINISHED _____ | |
|------------------------------------|-------------|--------------------------|------|---------------------------------------------------------------------|--|----------------|--|
| DRILL HOLE <u>88- 21</u> | | DEPTH <u>177'</u> | | DOWN TIME _____ | | ASSAYS | |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 86° Dip +20° | | | |
| | | | | DESCRIPTION | | | |
| | 0 - 53.6 | | | Fragmental andesite - abundant calcite veinlets in brecciated | | | |
| | | | | rock @ 35.41 - abundant pyrite locally almost massive seams up | | | |
| | | | | to 1-2 inches. | | | |
| | 53.6 - 71.5 | | | Sericitic schist with weak quartz-calcite veining | | | |
| | | | | @ 53.6 - 55.8 minor sphalerite, traces galena in quartz | | | |
| 42556 | | | | samples 53.6 - 55.8 | | | |
| 42557 | | | | 55.8 - 61 | | | |
| 42558 | | | | 61 - 66 | | | |
| 42559 | | | | 66 - 67.5 | | | |
| 42560 | | | | 67.5 - 69.5 | | | |
| | 71.5 - 80 | | | Fragmental andesite - weak sericitic alteration | | | |
| | 80 - 97 | | | Sericitic schist with strong quartz 92.7 - 96.2 minor tetrahedrite, | | | |
| | | | | traces sphalerite, galena | | | |
| 42561 | | | | samples 92.7 - 94.3 | | | |
| 42562 | | | | 94.3 - 96.3 | | | |
| 42563 | | | | 90.6 - 92.7 | | | |
| | 97 - 116 | | | Fragmental andesite | | | |
| | 116 - 177 | | | Sericitic schist with quartz stockwork locally highly silicified | | | |
| | | | | @ 120 - 121 fragmental andesite | | | |

| PROPERTY <u>Goldwedge Property</u> | | DATE <u>May 28, 1988</u> | STARTED <u>May 27</u> | FINISHED <u>May 28</u> |
|------------------------------------|----------|--------------------------|-----------------------|-----------------------------------------------------------------|
| DRILL HOLE <u>88-22</u> | | DEPTH <u>217'</u> | DOWN TIME _____ | ASSAYS |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | DESCRIPTION |
| | 0 - 56 | | | Fragmental andesite |
| | | | | @ 17' - 1.5' wide quartz calcite vein - numerous fine fractures |
| | | | | with calcite |
| | 56 - 180 | | | Sericite schist - pyritic weak to highly foliated |
| | | | | @ 80.5 - 93 - 10-15% quartz with lead, sphalerite, trace |
| | | | | tetrahedrite |
| 42577 | | | | samples - 79 - 80.5 |
| 42578 | | | | 80.5 - 81.5 |
| 42579 | | | | 81.5 - 82.5 |
| 42580 | | | | 82.5 - 88.5 |
| 42581 | | | | 88.5 - 92.3 |
| 42582 | | | | 92.3 - 93.8 |
| 42583 | | | | 100.5 - 104 - weak quartz and silicification |
| | | | | @ 104 - 112 - locally unaltered fragmental andesite |
| 42584 | | | | 121.5 - 123 |
| 42585 | | | | 123 - 125.5 |
| 42586 | | | | 125.5 - 130 - quartz approx 5-10% trace tetrahedrite |
| 42587 | | | | 130 - 136 |
| 42588 | | | | 136 - 140 - quartz approx 15% |

PROPERTY Goldwedge Property DATE May 29, 1988 STARTED May 28 FINISHED May 28
 DRILL HOLE 88-23 DEPTH 218' DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | DESCRIPTION | ASSAYS | | |
|---------------|----------|------|------|-----------------------------------------------------------------------|--------|--|--|
| | | | | | | | |
| | 0 - 36 | | | Fragmental andesite | | | |
| | 36 | | | Sericite schist - gradational alteration from 25 - 36' | | | |
| | | | | @ 40 - 44 - massive seams of pyrite up to 4" approx 20 overall | | | |
| | | | | @ 47 - 57.7 - strong quartz stockwork traces tetrahedrite sphalerite | | | |
| 42598 | | | | samples 36 - 40 | | | |
| 42599 | | | | 40 - 45 | | | |
| 42600 | | | | 45 - 47 | | | |
| 42601 | | | | 47 - 51.1 | | | |
| 42602 | | | | 51.1 - 57.7 | | | |
| 42603 | | | | 57.7 - 62 | | | |
| 42604 | | | | 62 - 67 | | | |
| 42605 | | | | 67 - 72 | | | |
| 42606 | | | | 72 - 76.5 | | | |
| | | | | @ 74 - 92' - weakly altered minor quartz veinlets | | | |
| 42607 | | | | 76.5 - 81.5 | | | |
| 42608 | | | | 81.5 - 86 | | | |
| 42609 | | | | 86 - 91 | | | |
| 42610 | | | | 91 - 96 | | | |
| | | | | @ 96 - 107 - minor quartz stockwork with abundant galena + sphalerite | | | |

| PROPERTY <u>Goldwedge Property</u> | | | | DATE <u>May 29, 1988</u> | STARTED _____ | FINISHED _____ |
|------------------------------------|----------|------|------|--------------------------------------------------------|-------------------|----------------|
| DRILL HOLE <u>88- 23</u> | | | | DEPTH <u>218'</u> | DOWN TIME _____ | |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 86° | Dip $+43^{\circ}$ | ASSAYS |
| | | | | DESCRIPTION | | |
| 42611 | | | | samples 96 - 100 | | |
| 42612 | | | | 100 - 105 | | |
| 42613 | | | | 105 - 110 | | |
| 42614 | | | | 110 - 112 - quartz with abundant sphalerite | | |
| 42615 | | | | 112 - 113.5 | | |
| 42616 | | | | 113.5 - 116.5 | | |
| 42617 | | | | 116.5 - 119 | | |
| 42618 | | | | 119 - 121 - quartz with trace tetrahedrite, sphalerite | | |
| 42619 | | | | 121 - 127 | | |
| 42620 | | | | 127 - 132 | | |
| 42621 | | | | 132 - 137 | | |
| 42622 | | | | 137 - 142 | | |
| 42623 | | | | 142 - 146 | | |
| 42624 | | | | 146 - 150.5 - @ 150.5 - strong quartz stockwork with | | |
| | | | | galena, sphalerite, minor tetrahedrite. | | |
| 42625 | | | | 150.5 - 152.5 | | |
| 42626 | | | | 152.5 - 155 | | |
| 42627 | | | | 155 - 159 | | |
| 42628 | | | | 159 - 163 | | |

PROPERTY Goldwedge Property DATE June 3, 1988 STARTED _____ FINISHED _____DRILL HOLE 88-27 DEPTH 151' DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 256° Dip +56° | | ASSAYS | |
|---------------|-------------|------|------|----------------------------------------------------------------|--|--------|--|
| | | | | DESCRIPTION | | | |
| | 0 - 41.6 | | | Fragmental andesite; medium-dark green, porphyritic pseudo | | | |
| | | | | dioritic texture, weakly foliated 30° to C.A., locally | | | |
| | | | | altered & silicified by weak quartz stockwork, and weak-medium | | | |
| | | | | sericite + chlorite alteration. Minor 5-7% 1-15 mm volcanic | | | |
| | | | | rock fragments, up to 3-5% disseminated + blebs pyrite. | | | |
| 42651 | 8 - 12.3 | | | Well silicified and altered, 5-7% pyrite seams | | | |
| 42652 | 17.6 - 23.1 | | | Well silicified with 7-10% quartz stockwork, 1-2% pyrite, < 1% | | | |
| | | | | sphalerite blebs | | | |
| | 41.6 - 103 | | | Sericite schist; pale-medium grey, intense sericite alteration | | | |
| | | | | + strong silicification with quartz stockwork, minor weakly | | | |
| | | | | altered fragmental andesite, 2-3% disseminated fine-coarse | | | |
| | | | | grained pyrite | | | |
| 42653 | 49.1 - 51 | | | 10-15% quartz stockwork, 3-5% disseminated + bleb pyrite | | | |
| 42654 | 63.2 - 66.5 | | | " " " , 2-3% " " " | | | |
| 42655 | 66.5 - 72.5 | | | Well silicified alteration fragmental andesite with 3-5% | | | |
| | | | | disseminated + bleb pyrite | | | |
| 42656 | 72.5 - 76.8 | | | 7-10% quartz stockwork, 3-5% disseminated + bleb pyrite | | | |
| | | | | weakly altered fragmental andesite 78.5 - 84.3 | | | |
| 42657 | .5 - 87 | | | 15-20% quartz stockwork, 1-2% disseminated fine grained pyrite | | | |

PROPERTY Goldwedge Property DATE June 4, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88- 28 DEPTH 189' DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 230° Dip +1° | | ASSAYS | |
|---------------|-------------|------|------|--------------------------------------------------------------------|--|--------|--|
| | | | | DESCRIPTION | | | |
| | 0 - 128 | | | Fragmental andesite; medium-dark grey-green, porphyritic | | | |
| | | | | 7-10% 1-2 mm hornblende + plagioclase phenocrysts, locally | | | |
| | | | | altered & silicified by weak quartz veinlets and weak-medium | | | |
| | | | | sericite & chlorite alteration, 5-7% 1-15 mm volcanic rock | | | |
| | | | | fragments. 2-3% disseminated + bleb pyrite, 3-5% 3-15 mm quartz | | | |
| | | | | veinlets and stringers some containing chalcopyrite, pyrite, | | | |
| | | | | sphalerite + galena | | | |
| 42660 | 12.6 - 17.8 | | | Strong sericite alteration, (sericite schist), 5-7% quartz | | | |
| | | | | veinlets, 3-5% pyrite | | | |
| 42661 | 17.8 - 20.4 | | | intense sericite alteration, (sericite schist), 7-10% disseminated | | | |
| | | | | + bleb + seam pyrite | | | |
| | | | | 3 mm quartz veinlet with 2-3% coarse grained disseminated | | | |
| | | | | chalcopyrite at 63.3 | | | |
| 42662 | 39.7 - 40.8 | | | 4" quartz vein 70° to C.A., 1-2% sphalerite + galena | | | |
| 42663 | 74.1 - 75.6 | | | Clean milky white quartz stringers 1-2 cm wide containing 5-7% | | | |
| | | | | sphalerite + galena + chalcopyrite + pyrite, 25-30% quartz. | | | |
| | | | | Hole stopped at 113' but re-started | | | |
| | 128 - 147.8 | | | Sericite schist; medium-pale grey-green, moderate-strong | | | |
| | | | | sericite + chlorite alteration, well silicified with quartz + | | | |

PROPERTY Goldwedge Property DATE June 4, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88- 30 DEPTH 144' DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 230° Dip +27° | | ASSAYS | |
|---------------|---------------|------|------|-------------------------------------------------------------------|--|--------|--|
| | | | | DESCRIPTION | | | |
| | 0 - 105.5 | | | Fragmental andesite; medium-dark grey-green with paler silicified | | | |
| | | | | and sericite + chlorite altered zones, porphyritic 7-10% 1-2 mm | | | |
| | | | | hornblende + plagioclase phenocrysts, minor 3-5% 1-10 mm volcanic | | | |
| | | | | rock fragments, contains up to 7-10% barren quartz stringers | | | |
| | | | | 1-2 cm wide, 1-2% fine-coarse grained disseminated pyrite | | | |
| 42671 | 12 - 14 | | | 1-2 cm wide quartz stringer (15-20%) containing 3-5% coarse | | | |
| | | | | grained blebs galena, 1-2% coarse grained blebs sphalerite, | | | |
| | | | | 1-2% coarse grained blebs chalcopryite | | | |
| 42672 | 15 - 19.2 | | | 5-7% quartz stockwork, 3-5% pyrite, 2-3% sphalerite in a strong | | | |
| | | | | sericite alteration (sericite schist) host | | | |
| 42673 | 19.2 - 24.5 | | | 3-5% quartz stockwork in sericite alteration fragmental andesite | | | |
| | | | | 3-5% pyrite | | | |
| 42674 | 26.1 - 29 | | | Sericite schist with 7-10% quartz stockwork, 7-10% disseminated | | | |
| | | | | pyrite + seams - 34 - 34.6 sheared fault zone | | | |
| 42675 | 35.1 - 39 | | | 45-50% vuggy quartz, predominately barren, 1% pyrite | | | |
| 42676 | 98 - 103 | | | 10-15% 1-2 cm predominately barren quartz stringers, 1-2% pyrite | | | |
| 42677 | 103 - 105.5 | | | " " " " " " " " | | | |
| | | | | + 1-2% coarse grained blebs sphalerite + galena | | | |
| | 105.5 - 142.2 | | | Sericite schist; pale grey-green, alteration fragmental andesite, | | | |

| PROPERTY <u>Goldwedge Property</u> | | DATE <u>June 4, 1988</u> | STARTED _____ | FINISHED _____ | | | |
|------------------------------------|---------------|--------------------------|-----------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| DRILL HOLE <u>88- 31</u> | | DEPTH <u>153'</u> | DOWN TIME _____ | | | | |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 230° Dip $+40^{\circ}$ | DESCRIPTION | ASSAYS | |
| | | | | | | | |
| | 0 - 102.6 | | | | Fragmental andesite; medium-dark grey-green with paler green-grey silicified and sericite + chlorite alteration sections, porphyritic, 3-5% 1-5 cm volcanic rock fragments, minor 2-3% quartz veinlets + stringers, 1-2% disseminated pyrite. | | |
| | | | | | Sericite schist at 7.8 - 12.0, 3-5% pyrite. Sericite schist at 22.5 - 34.5 | | |
| 42684 | 23.5 - 26.5 | | | | Sericite schist with 5-7% quartz stockwork, 2-3% pyrite, trace sphalerite + galena | | |
| 42685 | 58.5 - 63.3 | | | | Fragmental andesite with 5-7% quartz stockwork, 1-2% pyrite, 1% sphalerite + galena | | |
| 42686 | 63.3 - 69.5 | | | | as above | | |
| | 102.6 - 131.5 | | | | Sericite schist; pale grey, intense sericite alteration, well silicified with intense quartz predominately barren stockwork, well brecciated, minor fragmental andesite, 2-3% disseminated + lenses pyrite | | |
| 42687 | 102.6 - 108.5 | | | | 7-10% quartz stockwork + calcite, 1-2% disseminated + blebs pyrite | | |
| 42688 | 108.5 - 113.2 | | | | 30-35% " " " " " " " " | | |
| | | | | | 1% coarse grained blebs sphalerite | | |
| 42689 | 113.2 - 118 | | | | 20-25% quartz + calcite stockwork, 1-2% disseminated pyrite, | | |

PROPERTY Goldwedge Property DATE June 5, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88-32 DEPTH 145' DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 230° Dip +55° | | DESCRIPTION | ASSAYS | |
|---------------|-------------|------|------|-----------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| | | | | | | | | |
| | 0 - 69.3 | | | | | Fragmental andesite; medium-dark green, porphyritic, weakly fragmental 3-5% 1-5 cm subangular fragments, minor paler leached silicified sericite + chlorite alteration zones, 2-3% quartz + calcite (barren) veinlets and stringers, 2-3% fine grained disseminated pyrite + blebs, weakly foliated 35-40° to C.A. | | |
| 42693 | 22.1 - 25 | | | | | Intense sericite + chlorite alteration, 7-10% quartz stockwork trace pyrite, 1-2% coarse grained disseminated sphalerite blebs | | |
| 42694 | 34.7 - 38.6 | | | | | Sericite schist with 10-15% quartz + calcite stockwork, 1-2% disseminated pyrite + blebs, <1% disseminated blebs sphalerite | | |
| | 69.3 - 130 | | | | | Sericite schist; pale grey-green, intense sericite alteration, pyritic 3-5% fine-coarse grained disseminated + blebs pyrite, well silicified with quartz + calcite stockwork, brecciated foliated 50° to C.A. | | |
| 42695 | 69.3 - 72.6 | | | | | 5-7% quartz stringer/stockwork, 3-5% disseminated pyrite | | |
| 42696 | 72.6 - 78.8 | | | | | 5-7% quartz stringers, 3-5% pyrite, trace sphalerite | | |
| 42697 | 78.8 - 82.7 | | | | | 3-5% " " , 1-2% " | | |
| 42698 | 82.7 - 87.9 | | | | | " " " " " | | |
| 42699 | 87.9 - 92.7 | | | | | 10-15% quartz stockwork, 1--% pyrite | | |
| 42700 | 92.7 - 97.5 | | | | | as above | | |

| PROPERTY <u>Goldwedge Property</u> | | DATE <u>June 6, 1988</u> | | STARTED _____ | FINISHED _____ | |
|------------------------------------|-------------|--------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------|
| DRILL HOLE <u>88-34</u> | | DEPTH <u>160'</u> | | DOWN TIME _____ | | |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth <u>73°</u> | Dip <u>-57°</u> | ASSAYS |
| | | | | DESCRIPTION | | |
| | 0 - 52.3 | | | Fragmental andesite; as 88-33 0 - 107 | | |
| | | | | Shear zone at 22.5 - 23 | | |
| 42715 | 25.5 - 27.2 | | | 10-15% quartz stockwork, 1-2% fine grained disseminated pyrite | | |
| 42716 | 27.2 - 30.4 | | | 3-5% quartz stringers, " " " " " | | |
| 42717 | 34 - 36 | | | Well silicified, 2-3% disseminated pyrite | | |
| 42718 | 38 - 42.1 | | | 3-5% quartz stringers, 1-2% pyrite, <1% sphalerite | | |
| | 52.3 - 80 | | | Sericitic schist; altered fragmental andesite, strong sericite & chlorite alteration of fragmental andesite, very well silicified with quartz stockwork, pale-medium grey host, remnant volcanic rock fragments. | | |
| 42719 | 52.3 - 57.3 | | | 3-5% quartz stringers, well silicified, 1-2% pyrite, trace sphalerite | | |
| 42720 | 57.3 - 62.4 | | | 7-10% " " " " 5-7% " " " | | |
| 42721 | 62.4 - 67.2 | | | 3-5% quartz " " " 1-2 " " " | | |
| 42722 | 67.2 - 70 | | | 35-40% quartz stockwork, 1-2% disseminated pyrite | | |
| 42723 | 70 - 75 | | | 15-20% " " " " " | | |
| 42724 | 75 - 80 | | | 5-7% " " " " " , trace sphalerite | | |
| | 80 - 139 | | | Fragmental andesite; weak to moderate sericite alteration with 3-5% quartz + calcite barren stringers, silicified moderately, cherty, as 0 - 52 | | |

E.R. KRUCKOWSKI CONSULTING

| PROPERTY <u>Goldwedge Property</u> | | | | DATE <u>June 6, 1988</u> | STARTED _____ | FINISHED _____ |
|------------------------------------|---------------|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|
| DRILL HOLE <u>88-35</u> | | | | DEPTH <u>200'</u> | DOWN TIME _____ | |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth <u>73°</u> Dip <u>-64°</u> DESCRIPTION | | ASSAYS |
| | 0 - 125.5 | | | Fragmental andesite; as 88-33, 0 - 107 | | |
| | | | | Sheared 19.2 - 23 | | |
| 42729 | 27.2 - 34.4 | | | 15-20% quartz + calcite stockwork, 3-5% disseminated pyrite | | |
| 42730 | 65 - 66.8 | | | 5-7% quartz stringers, 1-2% disseminated fine grained pyrite | | |
| 42731 | 77.3 - 80.8 | | | " " " , 2-3% " " " | | |
| 42732 | 84.4 - 86.5 | | | 7-10% " " , 1-2% " " " | | |
| 42733 | 94 - 96.7 | | | " " " , 2-3% " " " | | |
| | 125.5 - 179.8 | | | Sericite schist; pale-dark grey, intense sericite + chlorite alteration, intensely silicified with quartz stockwork, minor fragmental andesite remnant volcanic rock fragments | | |
| 42734 | 125.5 - 128 | | | 15-20% quartz + calcite stockwork, 1-2% disseminated pyrite | | |
| 42735 | 128 - 131.4 | | | Well silicified 2-3% coarse grained disseminated sphalerite blebs | | |
| 42736 | 131.4 - 134.5 | | | 20-25% quartz stockwork, 2-3% disseminated sphalerite, 1-2% pyrite, trace galena | | |
| 42737 | 134.5 - 140 | | | 7-10% quartz + calcite stockwork, 1-2% pyrite < 1% sphalerite Diabase dyke at 154.5 - 155.9 with contacts 55 - 60° to C.A. | | |
| 42738 | 162 - 167 | | | 2-3% quartz + calcite stringers, 1-2% pyrite, 1-2% sphalerite & galena | | |
| 42739 | 167 - 171.6 | | | as above | | |
| 42740 | 171.6 - 176.7 | | | 3-5% quartz + calcite stringers, 1-2% pyrite | | |

PROPERTY Goldwedge Property DATE June 7, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88-36 DEPTH 94' DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 117° Dip -34° | | DESCRIPTION | ASSAYS | |
|---------------|-------------|------|------|----------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| | | | | | | | | |
| | 0 - 94 | | | | | Fragmental andesite; medium-dark grey green, 3-5% 1-2 mm hornblende + plagioclase phenocrysts, 7-10% 1-30 mm subangular volcanic rock fragments, 2-3% quartz + calcite barren veinlets + stringers 1-2% fine grained disseminated pyrite, locally well silicified paler grey sericite + chlorite alteration zones, weakly foliated 30° to C.A. | | |
| 42742 | 26.6 - 28.5 | | | | | 7-10% quartz stockwork, 1-2% fine grained pyrite | | |
| 42743 | 31.1 - 35.1 | | | | | Well silicified, 3-5% quartz veinlets, 2-3% disseminated pyrite | | |
| 42744 | 35.1 - 38.7 | | | | | 20-25% quartz stockwork, 3-5% disseminated + bleb pyrite | | |
| 42745 | 41.3 - 45.3 | | | | | 7-10% " " 1-2% disseminated pyrite | | |
| 42746 | 52.3 - 56.8 | | | | | 40-45% quartz stockwork + barite?, 1-2% fine grained disseminated pyrite talcose gouge 30-35° to C.A. @ 52.7' | | |
| 42747 | 56.8 - 61.5 | | | | | 45-50% quartz stockwork, minor moderate limonitic oxide along fracture planes | | |
| 42748 | 66.4 - 68.0 | | | | | 7-10% quartz stockwork, 2-3% galena, <1% sphalerite | | |
| 42749 | 76.5 - 80.6 | | | | | " " " 1-2% pyrite | | |
| 42750 | 80.6 - 86.5 | | | | | 45-50% " " 2-3% pyrite, 1% sphalerite | | |
| 42751 | 86.5 - 92.3 | | | | | 7-10% " " " " | | |

PROPERTY Goldwedge Property DATE June 7, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88- 37 DEPTH 138' DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 117° Dip -51° | | DESCRIPTION | ASSAYS | |
|---------------|--------------|------|------|----------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| | | | | | | | | |
| | 0 - 25.8 | | | | | Fragmental andesite; medium-dark green, porphyritic 5-7% 1-2 mm hornblende & plagioclase phenocrysts, 3-5% volcanic rock fragments, leached pale grey zones silicified and sericite + chlorite alteration, 2-3% barren quartz + calcite veinlets + stringers 1-2% fine-coarse grained disseminated pyrite | | |
| 42752 | 24 - 25.8 | | | | | 10-15% quartz stockwork, 1-2% fine grained disseminated pyrite | | |
| | 25.8 - 79.9 | | | | | Fragmental andesite; medium-dark grey-green; porphyritic, 1-2 mm plagioclase + hornblende phenocrysts 5%; very fine grained 2 mm - 3cm 3-5%; leached pale grey zones; silicified + chlorite + sericite alteration in places; <1% quartz + calcite veinlet; disseminated pyrite throughout including blebs (.5 - 1 cm) + fracture filling 1-2% | | |
| 42753 | 73.4 - 77.4 | | | | | 5-7% quartz veinlets + stringers, 2% quartz stockwork 45° foliation; 1-2% fine grained disseminated pyrite & blebs. Trace galena/tetrahedrite (very fine grained) | | |
| | 79.9 - 113.7 | | | | | Sericite schist; pale grey, intense sericite alteration, intensely silicified with quartz stockwork, minor weak-moderate alteration fragmental andesite with remnant fragmental andesite volcanic rock fragments with weakly porphyritic matrix 1-2% | | |

| PROPERTY <u>Goldwedge Property</u> | | DATE <u>June 9, 1988</u> | STARTED _____ | FINISHED _____ |
|------------------------------------|---------------|--------------------------|-----------------|----------------|
| DRILL HOLE <u>88-38</u> | | DEPTH <u>176'</u> | DOWN TIME _____ | |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | ASSAYS |
| | | | | |
| | 0 - 87 | | | |
| | | | | |
| | | | | |
| 42759 | 19 - 20.2 | | | |
| 42760 | 74.6 - 77.2 | | | |
| | | | | |
| | 87 - 170 | | | |
| | | | | |
| | | | | |
| 42761 | 94.2 - 97.5 | | | |
| 42762 | 97.5 - 101 | | | |
| 42763 | 101 - 105 | | | |
| 42764 | 105 - 110 | | | |
| 42765 | 110 - 115.8 | | | |
| 42766 | 135 - 137.4 | | | |
| 42767 | 140.8 - 143.7 | | | |
| | | | | |
| 42768 | 153.2 - 156.3 | | | |

Azimuth 117° Dip -67°

DESCRIPTION

Fragmental andesite; medium-dark green-grey, 20-25% subangular

1-35 mm volcanic rock fragments in a weakly porphyritic andesitic

matrix, 3-5% 1-2 mm plagioclase + hornblende phenocrysts

10-15% quartz stringers, 1-2% disseminated pyrite

" " " " " " " , 1-2% blebs

sphalerite

Sericite schist; pale-medium grey, weakly mottled, weakly calcareous,

well silicified with quartz stockwork, 2-3% disseminated + blebs

pyrite, foliated 30-40° to C.A., minor remnant volcanic rock

fragments, intense sericite alteration, gouge at 92'

7-10% quartz stringers, 2-3% disseminated pyrite

45-50% quartz stockwork, " " "

5-7% quartz stringers, 3-5% disseminated blebs pyrite, 1% sphalerite

Well silicified, 3-5% blebs pyrite

as above

3-5% quartz stringers, 2-3% disseminated pyrite & blebs

5-7% " " 5-7% " " "

Diabase dyke at 150.7 - 152'

15-20% quartz stockwork, 2-3% disseminated pyrite foliated 30°

| PROPERTY <u>Goldwedge Property</u> | | | | DATE <u>June 9, 1988</u> | STARTED _____ | FINISHED _____ |
|------------------------------------|-------------|------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|
| DRILL HOLE <u>88- 39</u> | | | | DEPTH <u>104'</u> | DOWN TIME _____ | |
| | | | | Azimuth <u>143°</u> | Dip <u>-15°</u> | ASSAYS |
| SAMPLE NUMBER | INTERVAL | FORM | ALT. | DESCRIPTION | | |
| | 0 - 25.2 | | | Fragmental andesite; moderate-well leached, medium grey, 5-7% subangular 1-35 mm volcanic rock fragments, locally well silicified with quartz stockwork, 1-2% disseminated fine grained pyrite | | |
| 42771 | 3.1 - 7 | | | 7-10% quartz stringers, 2-3% fine grained disseminated pyrite | | |
| 42772 | 15.4 - 21 | | | as above, <1% sphalerite | | |
| | 25.2 - 31.0 | | | Sericite schist; pale grey, strong sericite alteration fragmental andesite; minor remnant volcanic rock fragments, 3-5% quartz + calcite stringers, veinlets & sweats, foliated 60° to C.A., 2-3% fine grained disseminated pyrite | | |
| 42773 | 25.2 - 28.2 | | | 10-15% quartz stockwork, 2-3% fine grained disseminated pyrite; strong limonitic oxide along fracture. Shear zone at 30.5 45° to C.A. | | |
| | 31.0 - 93.5 | | | Sericite alteration fragmental andesite, pale-medium grey-green strong to intense sericite + chlorite alteration fragmental andesite. Foliated 30-40° to C.A. | | |
| 42774 | 78 - 82.5 | | | Broken core, 20-25% quartz stockwork, 2-3% pyrite | | |
| | 93.5 - 104 | | | Fragmental andesite; as 0 - 25.2 | | |
| | | | | E.O.H. 104' | | |

PROPERTY Goldwedge Property DATE June 10, 1988 STARTED _____ FINISHED _____
 DRILL HOLE 88-40 DEPTH 170' DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | FORM | ALT. | Azimuth 143° Dip -52° | | ASSAYS | |
|---------------|-------------|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------|---------------------------------------|
| | | | | DESCRIPTION | | | |
| | 0 - 30.5 | | | Sericite schist; altered fragmental andesite, pale grey-green intense sericite + chlorite alteration, foliated 20-30° to C.A., minor 5-7% remnant subangular volcanic rock fragments, 2-3% quartz + calcite veinlets + stringers, moderate-well silicified, trace pyrite | | | |
| | 30.5 - 45 | | | Fragmental andesite; weak-moderate sericite alteration, medium grey-green, fine grained massive, trace fine grained pyrite no visible volcanic rock fragments, <1% quartz + calcite 1 mm veinlets | | | |
| | 45 - 115 | | | Sericite schist; pale-medium grey, foliated 50° to C.A., mottled with 5-7% disseminated blebs pyrite well silicified with quartz stockwork | | | |
| 42775 | 60 - 65 | | | 15-20% quartz stockwork, well silicified, 1-2% pyrite, 1% sphalerite | | | |
| 42776 | 65 - 70 | | | " | " | " | " |
| 42777 | 70 - 75 | | | 20-25% | " | " | " |
| 42778 | 75 - 80 | | | 40-45% | " | 1-2% | disseminated pyrite, trace sphalerite |
| 42779 | 80 - 84.5 | | | 30-35% | " | " | fine grained disseminated pyrite |
| 42780 | 89.5 - 94.9 | | | 5-7% | " | " | well silicified, sheared 40° to C.A. |
| 42781 | 94.9 - 97.1 | | | 3-5% quartz stringers, 2-3% disseminated pyrite | | | |

| PROPERTY | | Goldwedge Property | | DATE | June 10, 1988 | STARTED | FINISHED |
|---------------|------------|------------------------------------|------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|
| DRILL HOLE | | 88-41 | | DEPTH | 200' | DOWN TIME | |
| SAMPLE NUMBER | INTERVAL | Sample Interval FOUR | ALT. | Azimuth 143° Dip -67° | DESCRIPTION | ASSAYS | |
| | 0 - 46.8 | | | | Fragmental andesite; sericite alteration medium grey-green, weakly porphyritic, 7-10% volcanic rock fragments, 2-3% barren quartz + calcite veinlets & stringers, 1-2% fine grained disseminated pyrite | | |
| 42783 | | 14.6 - 15.7 | | | 4" quartz vein 50° to C.A. at 15' predominately barren -sheared 45-50° to C.A. at 25' | | |
| | 46.8 - 170 | | | | Sericite schist; pale grey green; foliated 30°, mottled with 3-5% dissemination + blebs pyrite, remnant faint volcanic rock fragments, 2-3% barren quartz + calcite stringers + veinlets. | | |
| 42784 | | 67.5 - 68.5 | | | 15-20% quartz stockwork, 1-2% disseminated pyrite, 1% sphalerite | | |
| 42785 | | 80 - 83.6 | | | 20-25% quartz stockwork, 1-2% disseminated pyrite, trace spalerite | | |
| 42786 | | 92.7 - 97.3 | | | 15-20% quartz stockwork, 1-2% disseminated pyrite | | |
| 42787 | | 101.6 - 105 | | | 20-25% quartz stockwork, 1-2% disseminated pyrite | | |
| 42788 | | 105 - 110.7 | | | 20-25% quartz stockwork, 1-2% disseminated pyrite brecciated | | |
| 42789 | | 110.7 - 113.4 | | | 15-20% quartz stockwork, 1-2% disseminated pyrite - 115 - 122 sericite altered fragmental andesite | | |
| 42790 | | 123.1 - 128.9 | | | 7-10% quartz stringers + stockwork, 3-5% fine grained dissemination + blebs pyrite | | |
| 42791 | | 128.9 - 133.1 | | | 5-7% quartz stringer, 5-7% fine grained dissemination + | | |

| PROPERTY <u>Goldwedge Property</u> | | | DATE <u>June 11, 1988</u> | STARTED _____ | FINISHED _____ | |
|------------------------------------|---------------|------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------|
| DRILL HOLE <u>88-42</u> | | | DEPTH <u>188</u> | DOWN TIME _____ | | |
| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL FORM | ALT. | Azimuth <u>250°</u> | Dip <u>-48°</u> | ASSAYS |
| | | | | DESCRIPTION | | |
| | 0 - 25.2 | | | Sericite schist; pale grey-green, 3-5% fine-grained to coarse-grained dissemination + blebs pyrite, well mottled, minor remnant pyritized volcanic rock fragments; 1-2% barren quartz + calcite stringer veinlets | | |
| | 25.2 - 125.5 | | | Fragmental andesite, medium - dark grey green, porphyritic 5-7% 1-2 mm plagioclase - hornblende phenocrysts, 10-15% 1-25 mm sub-angular volcanic rock fragments, 1-2% barren quartz + calcite veinlets, 1-2% fine-grained disseminated pyrite, foliated 20-25° to C.A. | | |
| 42795 | | 59 - 61.5 | | Sericite schist, well sheared 55° to C.A., 10-15% barren quartz + calcite stringers, trace pyrite | | |
| | 125.5 - 173.6 | | | Sericite schist; as 0 - 25.2, foliated 35-40° to C.A. | | |
| 42796 | | 138 - 142 | | 5-7% quartz stringers, well silicified 1-2% pyrite | | |
| 42797 | | 142 - 146.2 | | 10-15% quartz stockwork, 2-3% fine-grained disseminated pyrite | | |
| 42798 | | 146.2 - 148.7 | | 2-3% quartz veinlets, 3-5% disseminated blebs pyrite | | |
| 42799 | | 157.5 - 161.3 | | 2-3% quartz veinlets, 1% fine grained disseminated pyrite, 1-2% tetrahedrite | | |
| 42800 | | 161.3 - 165.4 | | 7-10% quartz stringers, 2-3% disseminated pyrite | | |
| 42801 | | 165.4 - 171.2 | | 3-5% disseminated pyrite, no quartz, 2-3% calcite veins | | |

| PROPERTY | | Goldwedge Property | | DATE | June 12, 1988 | STARTED | FINISHED |
|---------------|--------------|-------------------------|------|--------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| DRILL HOLE | | 88-43 | | DEPTH | 239' | DOWN TIME | |
| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL FORM | ALT. | Azimuth 250° | Dip -59° | DESCRIPTION | ASSAYS |
| | 0 - 26.8 | | | | | Sericite schist, pale grey, foliated 25° to C.A., intense sericite alteration, mottled with 5-7% dissemination + bleb pyrite, minor 1-2% barren quartz + calcite veinlets + stringers, minor weakly altered fragmental andesite | |
| | 26.8 - 130.7 | | | | | Fragmental andesite; dark green with paler leached + sericite altered zones, 10-15% 1 mm - 3 cm sub-angular volcanic rock fragments, 1-2% dissemination + bleb pyrite, weakly porphyritic, 3-5% 1-2 mm plagioclase + hornblende phenocrysts, minor 1-2% barren quartz + calcite veinlets + stringers - intense sericite alteration, pale grey-buff at 45 - 49 with 5-7% barren 1 cm quartz stringers | |
| | 130.7 - 215 | | | | | Sericite schist, as 0 - 26.8 with quartz stockwork | |
| 42803 | | 137.3 - 141.7 | | | | 20-25% quartz stockwork, gouge at 141, 40° to C.A., 1% fine-grained pyrite | |
| 42804 | | 141.7 - 144.5 | | | | 30-35% quartz stockwork, 1-2% pyrite, <1% sphalerite | |
| 42805 | | 144.5 - 150.2 | | | | 35-40% quartz stockwork, 1-2% pyrite, <1% sphalerite | |
| 42806 | | 150.2 - 154 | | | | 40-45% quartz stockwork, 1-2% pyrite, <1% sphalerite - 154 - 180 sericite altered fragmental andesite, pale grey-green | |

| PROPERTY <u>Goldwedge Property</u> | | DATE <u>June 13, 1988</u> | | STARTED _____ | FINISHED _____ | |
|------------------------------------|-------------|------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|
| DRILL HOLE <u>88-44</u> | | DEPTH <u>270'</u> | | DOWN TIME _____ | | |
| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL FORM | ALT. | Azimuth 250° | Dip -66° | ASSAYS |
| | | | | DESCRIPTION | | |
| | 0 - 31.2 | | | Sericite schist; pale grey to green-grey; mottled; strong sericite alteration, 1-3% quartz + carbonate (dolomite) stringers + veinlets; 3-5% disseminated pyrite and blebs throughout, foliated 20° to C.A., mirror fault gouge @ 29' as well as 12 cm quartz/dolomite vein at 28.7 - 29.2 | | |
| 42814 | | 28.5 - 29.5 | | | | |
| | 31.2 - 43.3 | | | Fragmental andesite - dark green to grey-green; hornblende + plagioclase phenocrysts 10%; 25% volcanic rock fragments, 2-30 mm, 1-2% fine-grained disseminated pyrite throughout; 1% quartz stringers scattered. | | |
| | 43.3 - 52.7 | | | Sericite schist (as from 0 - 31.2') - traces arsenopyrite + tetrahedrite | | |
| | 52.7 - 135 | | | Fragmental andesite as above; locally moderately sericite alteration, particularly 130 - 135' | | |
| | 135 - 154.2 | | | Sericite schist, as 0 - 31.2, foliated 30° to C.A. | | |
| 42815 | | 135 - 140 | | 15-20% quartz stockwork, 1-2% disseminated pyrite | | |
| 42816 | | 140 - 147 | | 5-7% quartz + calcite veinlets, 2-3% disseminated pyrite | | |
| | 154.2 - 211 | | | Sericite altered fragmental andesite; medium-pale sericite alteration, andesite matrix with 5-7% sub-angular 1-5 cm volcanic | | |

| PROPERTY | | Goldwedge Property | | DATE | June 13, 1988 | STARTED | FINISHED |
|---------------|-------------|----------------------|------|--------------------------------------------------------------------------------------------------------|---------------|-----------|----------|
| DRILL HOLE | | 88-44 | | DEPTH | 270' | DOWN TIME | |
| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL FORM | ALT. | Azimuth 250° Dip -66° | | ASSAYS | |
| | | | | DESCRIPTION | | | |
| | | | | rock fragments, 1-2% barren quartz-calcite veinlets + stringers, 1-2% fine-grained disseminated pyrite | | | |
| | | | | - diabase dyke at 179.5 - 180.7 | | | |
| 42817 | | 205 - 208.7 | | 5-7% quartz veinlets + stringers, 2-3% pyrite | | | |
| | 211 - 254.8 | | | Sericite schist, as 0 - 31.2' foliated 10° to C.A. | | | |
| | | | | 7-10% 1-2 mm pyrite veinlets along foliated at 214 - 218.5' - not sampled | | | |
| 42818 | | 218.5 - 222.1 | | 3-5% quartz veinlets, 2-3% pyrite | | | |
| 42819 | | 222.1 - 226.7 | | 3-5% quartz veinlets, 2-3% pyrite, well sheared 30° to C.A. | | | |
| 42820 | | 240 - 245 | | 7-10% quartz stringers, 2-3% fine-grained to coarse-grained disseminated pyrite | | | |
| 42821 | | 245 - 250 | | 7-10% quartz stringers, 2-3% fine-grained to coarse-grained disseminated pyrite | | | |
| 42822 | | 250 - 254.8 | | 10-15% quartz stockwork, 2-3% fine-grained to coarse-grained disseminated pyrite | | | |
| | 254.8 - 270 | | | Sericite altered fragmental andesite, as 154.2 - 211 | | | |
| | 270 | | | E.O.H. | | | |
| | | | | | | | |
| | | | | | | | |

PROPERTY Goldwedge Property DATE June 13, 1988 STARTED _____ FINISHED _____

DRILL HOLE 88-45 DEPTH 330' DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL | ALT. | DESCRIPTION | ASSAYS | |
|---------------|-------------|-----------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| | | FORM | | | | |
| | 0 - 31 | | | Sericite schist, pale grey, intense sericite alteration, weak remnant 2-3% 1-5 cm volcanic rock fragments, mottled with 3-5% fine-grained to coarse-grained disseminated pyrite, 1-2% 1-2 mm quartz + calcite veinlets, foliated 30° to C.A. | | |
| | 31 - 138.4 | | | Fragmental andesite, medium-dark grey-green with pale grey sericite altered sections, 10-15% 1-30 mm subrounded volcanic rock fragments, weakly porphyritic 3-5% 1-2 mm plagioclase + hornblende phenocrysts, 1-2% fine-grained disseminated pyrite, 1-2% barren quartz + calcite veinlets. | | |
| | | | | Sericite schist with 1" quartz + dolomite vein at 40.5 - 49 - not sampled | | |
| | 138.4 - 177 | | | Sericite schist; as 0 - 31 foliated 25-30° to C.A. | | |
| 42823 | | 140 - 145 | | 7-10% quartz stringers, 2-3% disseminated pyrite | | |
| 42824 | | 145 - 146.8 | | 7-10% quartz stringers, 2-3% disseminated pyrite | | |
| | 177 - 226.6 | | | Fragmental andesite, as 31 - 138.4; sericite alteration from {177 - 185 } {205.2 - 210.3}; 1-2% pyrite; diabase dyke 178.0 - 179.0, foliated 30° to C.A. subrounded volcanic rock fragments up to 7 cm | | |

| PROPERTY <u>Goldwedge Property</u> | | DATE <u>June 14, 1988</u> | STARTED _____ | FINISHED _____ | | |
|------------------------------------|---------------|---------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| DRILL HOLE <u>88-46</u> | | DEPTH <u>134'</u> | DOWN TIME _____ | | | |
| | | Azimuth: <u>250°</u> Dip: <u>-29°</u> | | ASSAYS | | |
| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL XXXX | ALT. | DESCRIPTION | | |
| | 0 - 19.6 | | | Sericite schist; pale grey-green; foliation @ 45° to C.A.; moderate to intense sericite alteration; 2-3% fine-medium grained disseminated pyrite; 1-2% volcanic rock fragments, 2-20 mm; 1-2% quartz/calcite veinlets | | |
| | 19.6 - 103.8 | | | Fragmental andesite: medium dark grey-green with pale grey-green sericite alteration sections; 10-15% volcanic rock fragments 2-30 mm; 3-5% plagioclase and hornblende phenocrysts, 1-2 mm in size; 1-2% quartz + calcite veinlets 1-2% disseminated pyrite; moderate sericite alteration 79' - 89' | | |
| 42829 | | 49.9 - 52.7 | | 5-10% quartz + calcite veinlets + minor stockwork; 1-2% disseminated pyrite | | |
| | 103.8 - 119.4 | | | Sericite schist: as 0 - 19.6; 5-10% quartz veinlets + stockwork; trace sphalerite | | |
| 42830 | | 104.3 - 109.4 | | 3-5% quartz veinlets + stockwork; 1-2% disseminated pyrite | | |
| 42831 | | 109.4 - 113.9 | | 7-15% quartz veinlets + stockwork; 1-2% disseminated pyrite; trace tetrehedrite | | |
| 42832 | | 115.0 - 119.4 | | 7-10% quartz veinlets + stockwork; 1-2% disseminated pyrite; trace spalerite + tetrehedrite | | |
| | 19.4 - 134 | | | Fragmental andesi' - moderate sericite alteration; 5-10% | | |

| PROPERTY <u>Goldwedge Property</u> | | DATE <u>June 16, 1988</u> | STARTED _____ | FINISHED _____ | | |
|------------------------------------|--------------|------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| DRILL HOLE <u>88-48</u> | | DEPTH <u>109'</u> | DOWN TIME _____ | | | |
| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL WORK | ALT. | DESCRIPTION | ASSAYS | |
| (hole starts at 2.5') | 0 - 2.5 | | | Casing? | | |
| | 2.5 - 48.9 | | | Sericite schist - pale green-grey; moderate to intense sericite alteration; mottled texture; weak remnant 3-20 mm volcanic rock fragments; 50° foliation to C.A.; 1-2% quartz-calcite veinlets/stockwork/sweats throughout; 2-4% fine grained disseminated pyrite, fragmental andesite 4 - 16.3 | | |
| 42834 | | 23.3 - 26.7 | | 15-20% quartz stockwork + veinlets; 2-3% disseminated pyrite | | |
| | 48.9 - 94.6 | | | Fragmental andesite - dark grey-green; paler where sericite alteration; 10-20% sub-angular - sub-rounded volcanic rock fragments, 3-30 mm; 1-2% plagioclase + hornblende phenocrysts 1-2 mm; 1-2% calcite veinlets + sweats; trace quartz veinlets 1-2% disseminated pyrite | | |
| | 94.6 - 109.2 | | | Sericite schist (as 2.5 - 48.9) - intense sericite alteration (94.6 - 97) and (98 - 101.5) sheared + fractured 94.6 - 97; 30° foliation to C.A. | | |
| 42835 | | 94.6 - 97 | | 10-15% quartz stockwork; intense sericite alteration + fracturing; 25% clay/gouge | | |
| 42836 | | 97 - 101.5 | | 15-20% quartz stockwork; intense sericite alteration + fracturing; 2-3% disseminated pyrite | | |
| 42837 | | 101.5 - 104.3 | | 5-10% quartz stockwork; 2-3% disseminated pyrite | | |
| | 109 | | | F.O.H. | | |

| PROPERTY <u>Goldwedge Property</u> | | DATE <u>June 16, 1988</u> | STARTED _____ | FINISHED _____ | |
|------------------------------------|-------------|------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| DRILL HOLE <u>88-49</u> | | DEPTH <u>185'</u> | DOWN TIME _____ | | |
| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL FORM | ALT. | DESCRIPTION | ASSAYS |
| | 0 - 78 | | | Sericite schist: pale - medium green-grey; moderate sericite alteration; 45°-60° foliation to C.A.; 2-3% disseminated pyrite weak remnant rock fragments (2 mm - 20 mm); 1-2% quartz + calcite veinlets + stockwork; (fragmental andesite from 4.8 - 20.8, medium green-grey; 10-30% sub-rounded volcanic rock fragments 2-30 mm; 1-2% fine-grained disseminated pyrite) | |
| | | | | Fault gouge @ 61.7 + 71.4 - 71.9 | |
| 42838 | | 28 - 33.2 | | 25-30% quartz stockwork; 1-2% disseminated pyrite | |
| 42839 | | 60.9 - 64.6 | | 4-8% quartz stockwork; 1-2% disseminated pyrite | |
| | 78 - 159 | | | Fragmental andesite: medium to dark green-grey; 10-20% sub-rounded to sub-angular volcanic rock fragments 3-40 mm; 2-4% plagioclase phenocrysts, 1-2 mm; 1-2% hornblende phenocrysts 1-2 mm; 1-2% fine-grained disseminated pyrite | |
| | 159 - 172.5 | | | Sericite schist - as 0 - 78 | |
| 42840 | | 162.9 - 165.9 | | 15-20% quartz veinlets + stockwork; 2-3% disseminated pyrite | |
| | 172.5 - 185 | | | Fragmental Andesite - as 78 - 159 | |
| | 185 | | | E.O.H. | |
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| PROPERTY <u>Goldwedge Property</u> | | DATE <u>June 16, 1988</u> | STARTED _____ | FINISHED _____ | | |
|------------------------------------|------------|---------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| DRILL HOLE <u>88-50</u> | | DEPTH <u>242'</u> | DOWN TIME _____ | | | |
| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL | ALT. | DESCRIPTION | ASSAYS | |
| | | FORM | | | | |
| | 0 - 81.3 | | | Sericite schist: pale grey to green-grey; moderate sericite alteration; foliations 25-35° to C.A.; 20% quartz + carbonate veins, veinlets + stockwork; 1-2% medium to fine-grained disseminated pyrite; 10-30% remnant rock fragments ≈ 60 - 81 | | |
| 42841 | | 32.5 - 38.5 | | 20-30% quartz + calcite veinlets + stockwork; 1-2% disseminated pyrite; trace sphalerite + tetrahedrite | | |
| 42842 | | 54.3 - 58.7 | | 5-7% quartz + calcite stockwork; 1-2% disseminated pyrite | | |
| | 81.3 - 204 | | | Fragmental andesite: dark grey-green; 20-30% sub-rounded to sub-angular volcanic rock fragments 2 mm - > 5 cm; 1-2% plagioclase + hornblende phenocrysts 1-2 mm; 1-2% quartz + calcite veinlets; 1-2% disseminated pyrite; trace talcose, moderate sericite alteration 196 - 204 | | |
| | 204 - 242 | | | Sericite schist: as 0 - 81.3 - intense sericite alteration 204 - 216; foliation 45° to C.A. | | |
| 42843 | | 234.6 - 238.5 | | 15-20% quartz + calcite stockwork; dark grey | | |
| | 242 | | | E.O.H. | | |
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| PROPERTY <u>Goldwedge Property</u> | | DATE <u>June 17, 1988</u> | | STARTED _____ | FINISHED _____ | |
|------------------------------------|------------|---------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--|
| DRILL HOLE <u>88-51</u> | | DEPTH <u>292'</u> | | DOWN TIME _____ | | |
| | | Azimuth: <u>342°</u> Dip: <u>-61°</u> | | ASSAYS | | |
| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL FOR | ALT. | DESCRIPTION | | |
| | 0 - 82.0 | | | Sericite schist: pale grey to medium green-grey; moderate sericite alteration; foliation 35° to C.A.; 3-5% quartz + calcite veinlets, stockwork + sweats; 5-10% remnant rock fragments, 2-20 mm; 1-2% medium-grained to fine-grained disseminated pyrite | | |
| 42844 | | 33.5 - 39.0 | | 20-25% quartz + calcite stockwork + veinlets; 1-2% disseminated pyrite; trace sphalerite | | |
| 42845 | | 50.3 - 55.4 | | 25-30% quartz + calcite stockwork + veinlets; 1-2% disseminated pyrite | | |
| 42846 | | 55.4 - 59 | | 10-15% quartz + calcite stockwork + veinlets; 1-2% disseminated pyrite | | |
| | 82.0 - 268 | | | Fragmental andesite; medium - dark grey-green with paler leached and minor sericite altered zones, porphyritic, 7-10% 1-2 mm plagioclase + hornblende phenocrysts, 10-15% 1-5 cm volcanic rock fragments, sub-angular, foliated weakly 30° to C.A., 1-2% barren, quartz + calcite stringers + veinlets, 1-2% disseminated fine-grained - coarse-grained pyrite | | |
| | | | | -diabase dyke at 183.8 - 184.5 and 185.4 - 189.4 | | |
| | | | | - buff leached zone at 199 - 200 | | |

PROPERTY Goldwedge PropertyDATE June 18, 1988

STARTED _____ FINISHED _____

DRILL HOLE 88-52DEPTH 200'

DOWN TIME _____

| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL | ALT. | DESCRIPTION | ASSAYS | |
|---------------|------------|-----------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
| | | XXXX | | | | |
| | 0 - 22.5 | | | Sericite schist; pale grey, foliated 70° to C.A., intense sericite alteration, mottled with 3-5% disseminated blebs of pyrite, minor quartz stockwork | | |
| 42849 | | 6.7 - 8.6 | | 15-20% quartz stockwork, 2-3% pyrite, trace tetrahedrite | | |
| 42850 | | 8.6 - 12.4 | | 3-5% disseminated pyrite in sericite schist | | |
| 42851 | | 12.4 - 16.2 | | 2-3% quartz stringers, 3-5% disseminated pyrite | | |
| 42852 | | 16.2 - 17.4 | | 15-20% quartz stockwork, 1-2% disseminated pyrite | | |
| | 22.5 - 200 | | | Fragmental andesite; medium-dark green, minor paler leached + sericite altered zones, 1-30 mm sub-angular 10-15% volcanic rock fragments, porphyritic andesitic matrix, 1-2% barren quartz + calcite veinlets, trace - 1% fine-grained disseminated pyrite | | |
| | | | | -gouge at 67.8, 100.9 | | |
| | | | | -6" barren white calcite vein at 118 - 118.5, not sampled | | |
| | | | | -barren 1 cm wide quartz + calcite stringer at 139.6 - 140, not sampled | | |
| | 200 | | | E.O.H. | | |

| PROPERTY <u>Goldwedge Property</u> | | DATE <u>June 19, 1988</u> | STARTED _____ | FINISHED _____ | | | |
|------------------------------------|------------|------------------------------------|-----------------|--------------------------------------------------------------------|--|--|--|
| DRILL HOLE <u>88-53</u> | | DEPTH <u>146'</u> | DOWN TIME _____ | | | | |
| | | Azimuth: 005° Dip: -35° | | ASSAYS | | | |
| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL FORM | ALT. | DESCRIPTION | | | |
| | 0 - 1 | | | Sericite schist; pale grey, intense sericite alteration, | | | |
| | | | | remnant fragmental andesite volcanic rock fragments, 2-3% | | | |
| | | | | fine-grained to coarse-grained disseminated pyrite | | | |
| | 1 - 12 | | | Fragmental andesite; medium to dark green with paler sericite | | | |
| | | | | alteration + leached zones, 35-40% 1-40 mm sub-angular volcanic | | | |
| | | | | rock fragments in a pale sericite altered andesitic matrix, 2-3% | | | |
| | | | | calcite veinlets, weakly foliated 45° to C.A., 2-3% disseminated | | | |
| | | | | pyrite | | | |
| | 12 - 34.2 | | | Sericite schist; as 0 - 1, foliated 50° to C.A., moderate to | | | |
| | | | | strong localized quartz stockwork | | | |
| 42853 | | 15.3 - 18.3 | | 15-20% quartz stockwork, 2-3% disseminated pyrite, 1-2% sphalerite | | | |
| | | | | + galena | | | |
| 42854 | | 18.3 - 20.2 | | 3-5% disseminated pyrite in sericite schist | | | |
| 42855 | | 20.2 - 23.1 | | 5-7% quartz veinlets + stringers, 3-5% pyrite | | | |
| 42856 | | 23.1 - 29 | | 5-7% disseminated pyrite in sericite schist (pyritized frag- | | | |
| | | | | mental andesite fragments) | | | |
| 42857 | | 29 - 31.8 | | 25-30% quartz stockwork, 2-3% disseminated pyrite, < 1% spalerite | | | |
| | | | | + galena | | | |
| | 34.2 - 146 | | | Fragmental andesite; medium grey-green with pale grey leached & | | | |

| PROPERTY | | Goldwedge Property | | DATE | June 20, 1988 | STARTED | FINISHED |
|---------------|------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------|-----------|----------|
| DRILL HOLE | | 88-54 | | DEPTH | 201' | DOWN TIME | |
| SAMPLE NUMBER | | SAMPLE INTERVAL | ALT. | Azimuth: 005° Dip: -65° | | ASSAYS | |
| INTERVAL | FORM | | DESCRIPTION | | | | |
| 0 - 12.3 | | | Sericite schist; pale grey, intense sericite alteration, mottled with 3-5% disseminated blebs pyrite sheared 25° to C.A., minor calcite sweats | | | | |
| 12.3 - 31 | | | Fragmental andesite; medium to dark green, minor pale grey-green leached zones, 35-40% 1-5 cm volcanic rock fragments in porphyritic matrix, 1-2% barren quartz + calcite veinlets, 1-2% disseminated pyrite | | | | |
| 31 - 95 | | | Sericite schist; as 0 - 12.3, foliated 25° to C.A., silicified with quartz stockwork, minor remnant fragmental andesite fragments | | | | |
| 42860 | | 38.5 - 41.5 | 10-15% quartz stockwork, 2-3% disseminated pyrite | | | | |
| 42861 | | 41.5 - 44.9 | 20-25% quartz stockwork, 1-2% disseminated pyrite, < 1% tetrahedrite | | | | |
| 42862 | | 44.9 - 47.4 | well silicified, 3-5% disseminated pyrite | | | | |
| 42863 | | 47.4 - 52 | 25-30% quartz stockwork, 1-2% disseminated pyrite | | | | |
| 42864 | | 66.4 - 69.9 | 25-30% quartz stockwork, 1-2% disseminated pyrite, < 1% tetrahedrite | | | | |
| 42865 | | 82 - 85.3 | 20-25% quartz stockwork, 1-2% disseminated pyrite, < 1% tetrahedrite | | | | |
| 95 - 201 | | | Fragmental andesite; as 12.3 - 31 with 15-20% volcanic rock fragments | | | | |
| | | | -barren quartz + calcite + dolomite vein at 138.1 - 138.4 not sampled | | | | |

| PROPERTY | | Goldwedge Property | | DATE | June 21, 1988 | STARTED | FINISHED |
|---------------|----------|------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|----------|
| DRILL HOLE | | 88-55 | | DEPTH | 162' | DOWN TIME | |
| | | | | Azimuth: 005° Dip: +35° | | ASSAYS | |
| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL FOSS | ALT. | DESCRIPTION | | | |
| | 0 - 11 | | | Fragmental andesite; medium to dark green, porphyritic, 5-7% 1-3 mm plagioclase + hornblende phenocrysts 10-15% 1-35 mm volcanic rock fragments, minor paler leached + sericite altered zones, trace - 1% fine-grained disseminated pyrite, 1-2% barren quartz + calcite veinlets | | | |
| | 11 - 37 | | | Sericite schist; pale grey, intense sericite alteration, foliated 55° to C.A., mottled with 3-5% disseminated pyrite, weak to moderate quartz stockwork | | | |
| 42866 | | 15.7 - 17.6 | | 20-25% quartz stockwork, 1-2% sphalerite + tetrahedrite, trace galena, 1% pyrite | | | |
| 42867 | | 17.6 - 22 | | Silicified sericite schist with 2-3% disseminated pyrite | | | |
| 42868 | | 22 - 25.8 | | Silicified sericite schist with 2-3% disseminated pyrite | | | |
| 42869 | | 25.8 - 30.9 | | 10-15% quartz stockwork, 1-2% disseminated pyrite, <1% sphalerite + tetrahedrite | | | |
| | 37 - 162 | | | Fragmental andesite, as 0 - 11 | | | |
| 42870 | | 101 - 102.5 | | gouge 70° to C.A. at 101.8 with 15-20% quartz stockwork in sericite schist | | | |
| | 162 | | | E.O.H. | | | |

| PROPERTY <u>Goldwedge Property</u> | | DATE <u>June 21, 1988</u> | | STARTED _____ | FINISHED _____ | |
|------------------------------------|------------|------------------------------------|------|-------------------------------------------------------------------|----------------|--|
| DRILL HOLE <u>88-56</u> | | DEPTH <u>111'</u> | | DOWN TIME _____ | | |
| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL FOOT | ALT. | DESCRIPTION | ASSAYS | |
| | | | | | | |
| | 0 - 57.4 | | | Sericite schist, altered fragmental andesite, pale grey-green | | |
| | | | | minor weakly altered zones with remnant fragmental andesite | | |
| | | | | fragments, mottled with 3-5% disseminated pyrite, minor quartz | | |
| | | | | stockwork, foliated 30-35° to C.A. | | |
| | | | | -Fragmental andesite at 4 - 11 | | |
| 42871 | | 23 - 25 | | 5-7% quartz stringers, well silicified, 2-3% disseminated pyrite | | |
| 42872 | | 25 - 28.9 | | 35-40% quartz stockwork, 1-2% pyrite, trace sphalerite + | | |
| | | | | tetrahedrite | | |
| 42873 | | 28.9 - 33.8 | | 3-5% disseminated pyrite | | |
| 42874 | | 33.8 - 38 | | 3-5% disseminated pyrite | | |
| 42875 | | 38 - 40 | | 5-7% quartz stringers, 3-5% disseminated pyrite | | |
| 42876 | | 48 - 50 | | 30-35% quartz stockwork, 1-2% disseminated pyrite | | |
| 42877 | | 54.7 - 57.4 | | 90% gouge, talcose with 5-7% quartz stringers sheared 55° to C.A. | | |
| | 57.4 - 111 | | | Fragmental andesite; medium to dark green, 25-30% sub-angular | | |
| | | | | volcanic rock fragments, porphyritic andesite matrix, trace - 1% | | |
| | | | | fine-grained disseminated pyrite, foliated 40° to C.A. | | |
| | | | | 1-2% barren quartz + calcite veinlets | | |
| | 111 | | | E.O.H. | | |

| PROPERTY <u>Goldwedge Property</u> | | DATE <u>June 21, 1988</u> | | STARTED _____ | | FINISHED _____ | |
|------------------------------------|-------------|---------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------|--|
| DRILL HOLE <u>88-57</u> | | DEPTH <u>120'</u> | | DOWN TIME _____ | | ASSAYS | |
| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL | ALT. | Azimuth: 342° Dip: +35° | | | |
| | | FORM | | DESCRIPTION | | | |
| | 0 - 12.5 | | | Fragmental andesite; pale to medium grey-green, weak to moderate sericite + chlorite altered andesitic matrix, 15-20% 1-35 mm volcanic rock fragments, weak 1-2% barren quartz + calcite veinlets, trace - 1% fine-grained disseminated pyrite | | | |
| | 12.5 - 34.6 | | | Sericite schist, pale to medium grey, intense sericite alteration, minor fragmental andesite fragments, mottled with 3-5% disseminated pyrite, minor quartz stockwork, foliated 50° to C.A. | | | |
| 42878 | | 15 - 17.5 | | 15-20% quartz stockwork + chert, 1-2% pyrite, < 1% tetrahedrite trace sphalerite | | | |
| 42879 | | 17.5 - 21.8 | | 3-5% disseminated pyrite | | | |
| 42880 | | 21.8 - 25.7 | | 3-5% disseminated pyrite | | | |
| 42881 | | 25.7 - 28.7 | | 20-25% quartz stockwork, < 1% coarse-grained visible gold (.3' section of core removed containing visible gold for office specimen, the other half was sampled), < 1% tetrahedrite, 1-2% disseminated pyrite | | | |
| 42882 | | 28.7 - 32.8 | | 2-3% fine-grained disseminated pyrite | | | |
| | 34.6 - 63.6 | | | Fragmental andesite; as 0 - 12.5 | | | |
| | 63.6 - 74 | | | Sericite schist; pale grey, mottled with 2-3% disseminated pyrite, 15-20% weakly altered volcanic rock fragments (sub-angular), | | | |

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| PROPERTY <u>Goldwedge Property</u> | | DATE <u>June 22, 1988</u> | STARTED _____ | FINISHED _____ | |
| DRILL HOLE <u>88-58</u> | | DEPTH <u>50'</u> | DOWN TIME _____ | | |
| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL XXXX | ALT. | Azimuth: 34° Dip: $+1^{\circ}$ | |
| | | | | DESCRIPTION | |
| | 0 - 29.8 | | | Sericite schist; pale grey, intense sericite alteration, mottled with 3-5% disseminated pyrite, minor quartz stockwork, foliated $70-80^{\circ}$ to C.A. | |
| 42883 | | 7 - 9.7 | | 2-3% quartz stringers; 1-2% pyrite, trace tetrahedrite | |
| 42884 | | 9.7 - 12.2 | | 25-30% quartz stockwork, 1-2% pyrite, 1% tetrahedrite, trace sphalerite | |
| 42885 | | 12.2 - 20.1 | | 2-3% disseminated pyrite | |
| 42886 | | 20.1 - 23.6 | | 15-20% quartz stockwork, 2-3% pyrite, < 1% tetrahedrite, trace sphalerite | |
| 42887 | | 23.6 - 26 | | 1-2% quartz + calcite stringers, 2-3% pyrite, trace tetrahedrite | |
| | 29.8 - 50 | | | Fragmental andesite; medium to dark grey-green, 10-15% 1-35 mm volcanic rock fragments in weakly porphyritic andesitic matrix, foliated 80° to C.A., 1-2% barren quartz + calcite veinlets, trace - 1% disseminated pyrite, weak chlorite + sericite alteration. | |
| | 50 | | | E.O.H. | |
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| PROPERTY <u>Goldwedge Property</u> | | DATE <u>June 23, 1988</u> | | STARTED _____ | FINISHED _____ | |
|------------------------------------|-----------|--------------------------------------|------|-----------------------------------------------------------------|----------------|--|
| DRILL HOLE <u>88-59</u> | | DEPTH <u>48'</u> | | DOWN TIME _____ | | |
| | | Azimuth: <u>34°</u> Dip: <u>-35°</u> | | ASSAYS | | |
| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL FORM | ALT. | DESCRIPTION | | |
| | 0 - 45.8 | | | Sericite schist; pale grey, intense sericite alteration, | | |
| | | | | foliated 55-60° to C.A., minor 5-7% pyritized remnant volcanic | | |
| | | | | rock fragments, minor quartz stockwork, 2-3% disseminated | | |
| | | | | pyrite | | |
| 42888 | | 4.1 - 7.1 | | 1-2% quartz stringers, 2-3% pyrite, < 1% tetrahedrite | | |
| 42889 | | 7.1 - 11.5 | | 1-2% quartz stringers, 2-3% pyrite, < 1% tetrahedrite | | |
| 42890 | | 11.5 - 14.6 | | 15-20% quartz stockwork, 1-2% pyrite, < 1% tetrahedrite | | |
| 42891 | | 14.6 - 17.7 | | 3-5% pyrite, 1% tetrahedrite | | |
| 42892 | | 17.7 - 25.3 | | well leached, 2-3% pyrite | | |
| 42893 | | 25.3 - 29.5 | | 10-15% quartz stringers + stockwork, 1-2% pyrite, trace - 1% | | |
| | | | | tetrahedrite with gouge at 27.7 - 29 | | |
| 42894 | | 29.5 - 35.6 | | 1-2% quartz stringers, 2-3% pyrite | | |
| 42895 | | 35.6 - 39.7 | | 5-7% quartz stringer + stockwork, 3-5% pyrite | | |
| | 45.8 - 48 | | | Fragmental andesite, medium to dark green andesitic matrix with | | |
| | | | | 15-20% 1-40 mm sub-angular volcanic rock fragments, 1-2% | | |
| | | | | disseminated pyrite | | |
| | 48 | | | E.O.H. | | |
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| PROPERTY <u>Goldwedge Property</u> | | DATE <u>June 23, 1988</u> | | STARTED _____ | FINISHED _____ | |
|------------------------------------|----------|---------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--|
| DRILL HOLE <u>88-60</u> | | DEPTH <u>108'</u> | | DOWN TIME _____ | | |
| SAMPLE NUMBER | INTERVAL | SAMPLE INTERVAL | ALT. | DESCRIPTION | ASSAYS | |
| | | FORM | | | | |
| | 0 - 108 | | | Sericite schist; pale grey, intense sericite alteration, mottled with 3-5% disseminated pyrite, foliated 40-45° to C.A. moderate to strong quartz stockwork | | |
| 42896 | | 0 - 3.3 | | 35-40% quartz stockwork, 1% disseminated pyrite, trace tetrahedrite | | |
| 42897 | | 8.4 - 14.5 | | 20-25% quartz stockwork, 1-2% disseminated pyrite, trace tetrahedrite | | |
| 42898 | | 30.7 - 34.1 | | 45-50% quartz stockwork, 1% disseminated pyrite, trace tetrahedrite + sphalerite | | |
| 42899 | | 34.1 - 37.5 | | 15-20% quartz stockwork, 1-2% disseminated pyrite | | |
| 42900 | | 44.7 - 50.1 | | gouge at 44.7 - 45.1, well silicified, 2-3% pyrite | | |
| 42901 | | 50.1 - 54.5 | | 30-35% quartz stockwork, 1-2% pyrite, trace tetrahedrite, quartz stockwork is orientated 25-30° to C.A. | | |
| | | | | Fragmental andesite at 80 - 86.7 | | |
| 42902 | | 94.1 - 97.5 | | 5-7% quartz stringers, 1-2% disseminated pyrite, trace tetrahedrite | | |
| 42903 | | 106 - 108 | | 5-7% quartz stringers, 1-2% disseminated pyrite | | |
| | 108 | | | E.O.H. | | |
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Azimuth: 34° Dip: -70°

