ASSESSMENT REPORT OF THE 1990 DIAMOND DRILL PROGRAM

ON THE GOLDEN CROWN GROUP

40°5' NORTH LATITUDE
118°35' WEST LONGITUDE
NTS 82E/2E
GREENWOOD MINING DIVISION, B.C.

for

ATTWOOD GOLD CORPORATION

100-450 West Georgia Street
Vancouver, BC
V6B 1Z3

by Warren Robb Bsc.
October 29, 1990

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ATTWOOD GOLD REPORT

Golden Crown - 1990 Drill Report

INTRODUCTION

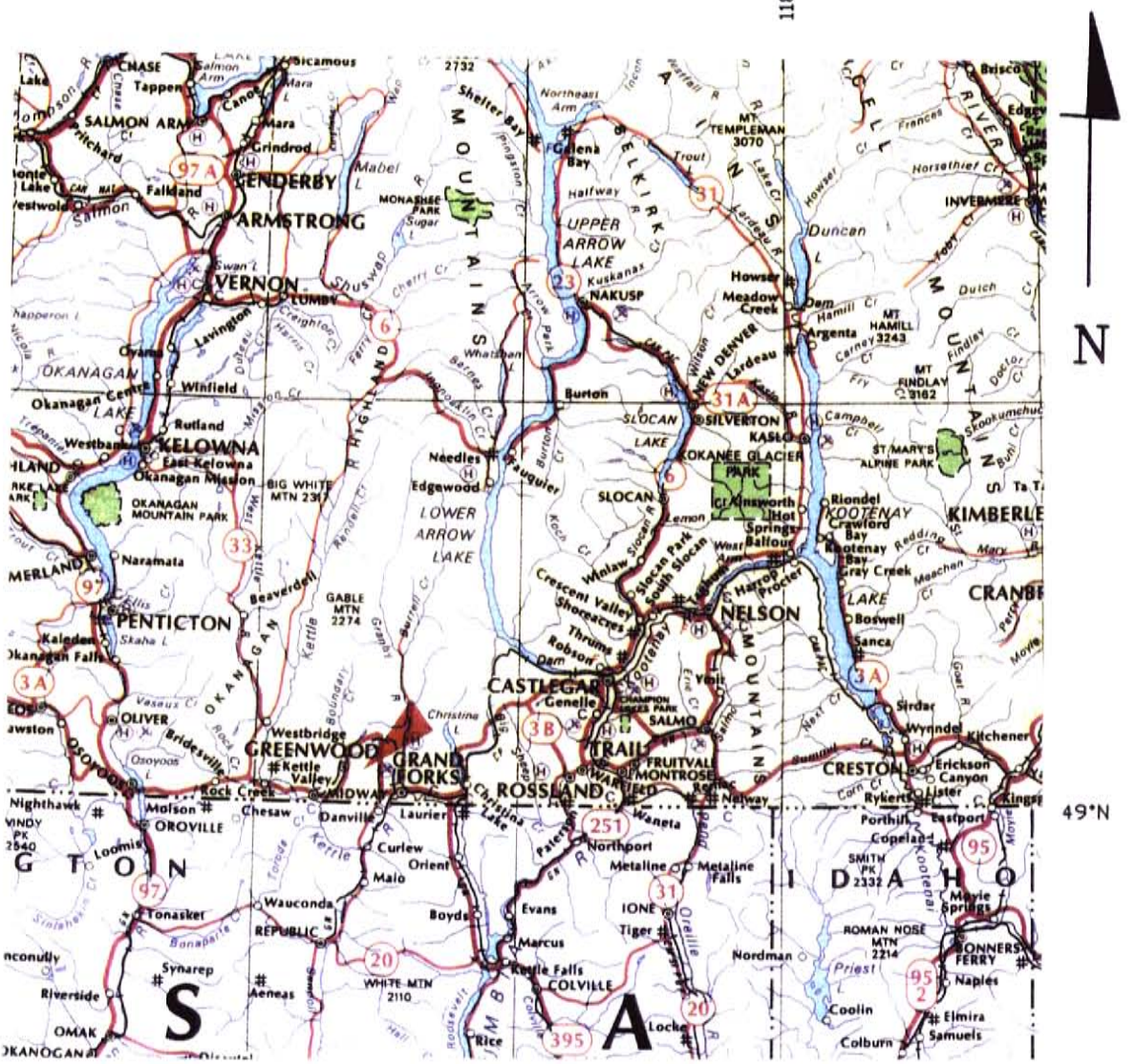
Between July and August 1990, Attwood Gold Corporation undertook a surface diamond drill program on its Golden Crown Property near Greenwood, B.C. A total of 34 holes totalling 2,112 meters were drilled by Lone Ranger Drilling. The purpose of this drill program was two fold. The first phase was to intersect strike and dip extensions of structures defined by previous drilling, and the second was to test various geochemical and geophysical anomalies defined by the 1990 geochemical and geophysical surveys.

LOCATION & ACCESS

The Golden Crown Property is centered at 49°04'north latitude and 118°34' west longitude. The property lies between the city of Greenwood, B.C., 7.5 kilometers to the west, and the city of Grand Forks 13 kilometers to the south east. (Fig. 1)

The property is located in the Midway Range of the Monoshee Mountains and occupies a valley formed by Mt. Attwood to the south and Knob Hill to the north. The area is characterized by rolling hills, bluffs, and valleys with maximum elevations of 1,579 meters. The property is covered by stands of spruce, pine, larch, hemlock and cedar occurring on north facing slopes and in valleys with grassy meadows at higher elevations and south facing slopes. The topography is gentle with moderate relief of up to 300 meters. The region is semi-arid and is characterized by hot summers and cold winters.

Access to the property is excellent via Highway 3, to the Phoenix Ski Hill Road and then west 15 kilometers to the Hartford Junction. The property is crisscrossed by a series of old railway grades, logging and power line roads. A power and telephone line bisect the property from east to west.



ATTWOOD GOLD CORP.

GOLDEN CROWN PROJECT

LOCATION MAP

NTS 82E/2E

SCALE 1:2,000,000

FIG 1

PROPERTY

The Golden Crown Property consist of 2 Crown Granted, 12 Reverted Crown granted and 46 located mineral claims totalling 81 units. The claims are 100% owned by Attwood Gold Corporation and are registered in the Greenwood Mining Division, and are located on claim map 82E/2E. The claims encompass an area of 2,025 hectares. (Fig. 2) Related claim information below:

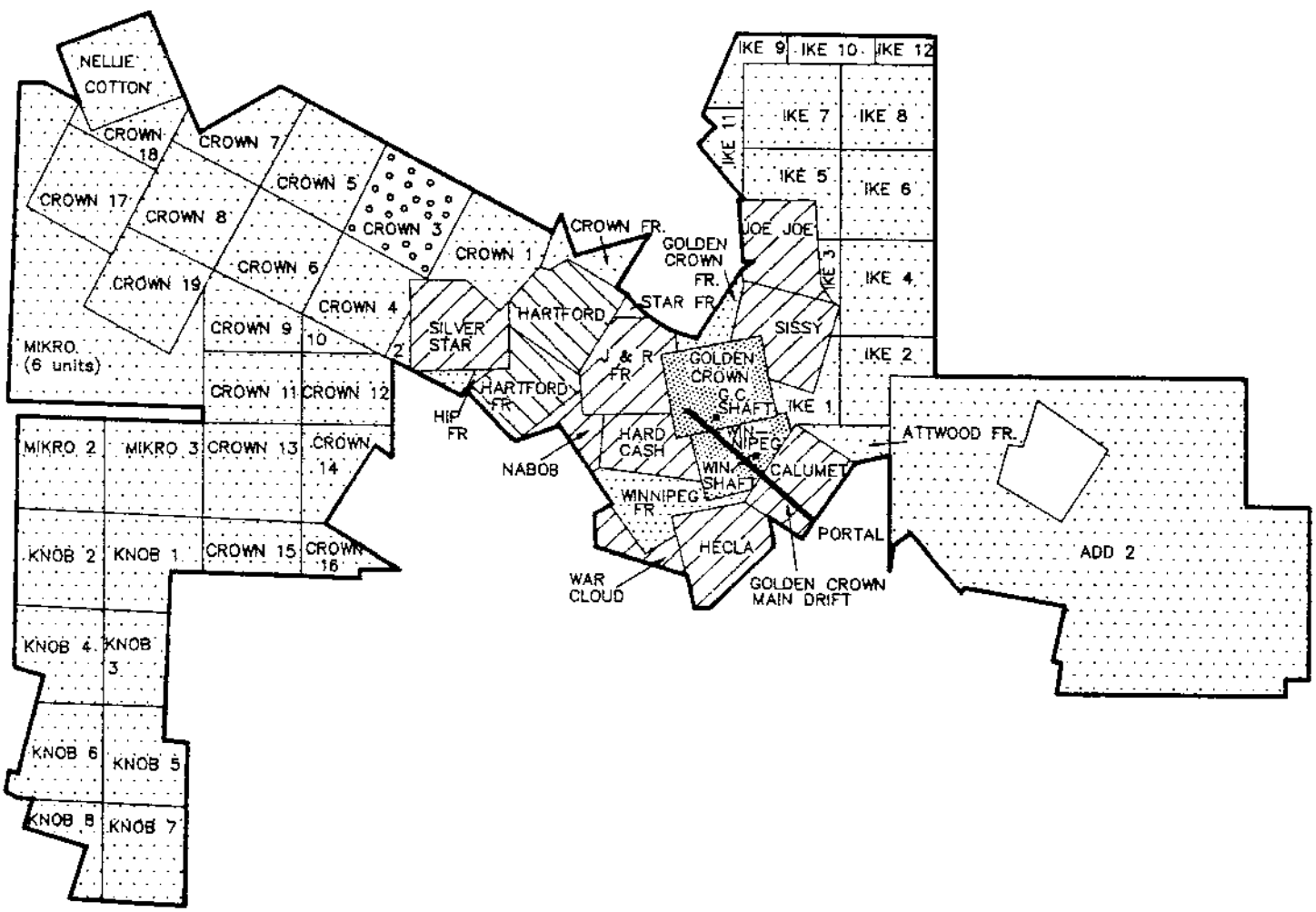
DESCRIPTION OF PROPERTIES

Name	Lot No.	Record No.	Expiry Date
Crown Granted Mineral Claims			
Golden Crown	600	N/A	N/A
Winnipeg	599	N/A	N/A
Reverted Crown Granted Mineral Claims and Fractions			
Hecla	859	1772	December 12, 1994
War Cloud Fr.	1316	1773	December 12, 1994
Hard Cash	1062	1774	December 12, 1994
Nabob Fr.	1063	1774	December 12, 1994
Joe Joe	7595	1775	December 12, 1994
Sissy	1068	1776	December 12, 1994
Calumet	1314	1777	December 12, 1994
J & R	(L.1059)	1865	November 8, 1991
Silver Star	(L.1550)	1926	December 21, 1991
Hartford	(L.1057)	1927	December 21, 1990
Hartford Fr.	(L.1061)	1928	December 21, 1990
Nellie Cotton	(L.1460)	2173	May 13, 1993
Located Mineral Claims			
Win Fr.		1784	September 24, 1994
Attwood No. 1 Fraction		4243	February 25, 1996
Add No. 2		4615	June 23, 1995
Ike 1		1972	January 23, 1994
Ike 2		1973	January 23, 1994
Ike 3		1974	January 23, 1994
Ike 4		1975	January 23, 1994

Ike 5	1976	January 23, 1994
Ike 6	1977	January 23, 1994
Ike 7	1978	January 23, 1994
Ike 8	1979	January 23, 1994
Ike 9	2023	February 6, 1994
Ike 10	2024	February 6, 1994
Ike 11	2025	February 6, 1994
Ike 12	2026	February 6, 1994

Mineral Claims

Crown 1	1986	January 28, 1993
Crown 2	1987	January 28, 1993
Crown 3	1988	January 28, 1993
Crown 4	1989	January 28, 1993
Crown 5	1990	January 28, 1993
Crown 6	1991	January 28, 1993
Crown 7	1992	January 28, 1993
Crown 8	1993	January 28, 1993
Crown 9	2015	February 6, 1993
Crown 10	2016	February 6, 1993
Crown 11	2017	February 6, 1993
Crown 12	2018	February 6, 1993
Crown 13	2019	February 6, 1993
Crown 14	2020	February 6, 1993
Crown 15	2021	February 6, 1993
Crown 16	2022	February 6, 1993
Crown 17	2202	May 28, 1993
Crown 18	2203	May 28, 1993
Crown 19	2204	May 28, 1993
Hip Fr.	2199	May 28, 1993
Golden Crown Fr.	2200	May 28, 1993
Star Fr.	2201	May 28, 1993
Crown Fr.	2027	February 6, 1993
Mikro	4426	November 1, 1990
Knob 1	4435	November 14, 1990
Knob 2	4436	November 14, 1990
Knob 3	4437	November 14, 1990
Knob 4	4438	November 14, 1990
Knob 5	4439	November 14, 1990
Knob 6	4440	November 14, 1990
Knob 7	4441	November 14, 1990
Knob 8	4442	November 14, 1990
Mikro 2	4536	March 12, 1993
Mikro 3	4537	March 12, 1993



LEGEND

- CROWN GRANTS — Surface & mineral rights
- REVERTED CROWN GRANTS — Surface by othters
- REVERTED CROWN GRANTS — Surface use
- 2 POST & 4 POST — Mineral claims
- Reported overstaking of claims owned by others

ATTWOOD GOLD CORP.

VANCOUVER, B.C.

GOLDEN CROWN PROPERTY

GREENWOOD M.D.

CLAIM MAP

SCALE:	DATE:	N.T.S.	DRAWN BY:	FIGURE:
AS SHOWN	Aug.'90	82E/2E	GEO-COMP	2

PREVIOUS WORK

Work on the property dates back to 1891 when the Winnipeg and Golden Crown Claims were first staked. Between then and 1905, 2,438 meters of shafts, raises and drifts had taken place. Ore shipments from the Winnipeg and Golden Crown, from 1901 to 1902 and 1910 to 1912, were reported at:

	Tonnes	Gold (oz)	Silver (oz)	Copper (lbs)
Golden Crown	2,742	1,234	2,248	83,890
Winnipeg	58,772	11,675	36,550	190,617

The property was dormant until 1965 when Sabina Mines and Scurry Rainbow conducted geophysics and a 1,695 foot drill program.

In 1976, 317 meters of diamond drilling in 5 holes was conducted by the Golden Crown Syndicate.

In 1979 Boundary Exploration drilled 4 holes totalling 329 meters.

In 1980 the property was optioned to Mundee Mines Limited. Dolmage Campbell, as contractor for Mundee, carried out geological surface mapping, sampling of old workings, dewatering, and mapping of the Golden Crown 30 meter level drift. In addition, 16 surface diamond drill holes were drilled.

In 1983 Grand Forks Mines Ltd. optioned the property to earn a 50% interest. Since then, the property has been under continuous exploration. From 1983 to 1987, 2,234 meters of drilling in 49 holes, took place.

In 1986 Noranda Ltd. carried out an exploration and drill program on the Crown Group of claims.

In 1987, 2,456 feet of drifting and 936 feet of diamond drilling was carried out.

From 1988 to 1989, an additional 1,050 feet of tunnelling, 8,489 feet of underground drilling, and 4,262 feet of surface drilling took place.

REGIONAL GEOLOGY

The Phoenix Map Area consists of metamorphic, sedimentary, intrusive, and extrusive igneous rocks that range in age from late Proterzoic to Eocene. (Fig. 3)

The rocks have been divided into seven assemblages (Little GCS `paper 79-29). The assemblages are separated by intervals of deformation and/or regional metamorphism. Three assemblages dominate the Phoenix Area. The cherts and Limestones of the Attwood Formation, greenstones of the Knob Hill formation, and sharpstone conglomerates of the Brooklyn Formation. These formations have been intruded by cultramafics and diorites of Triossic age.

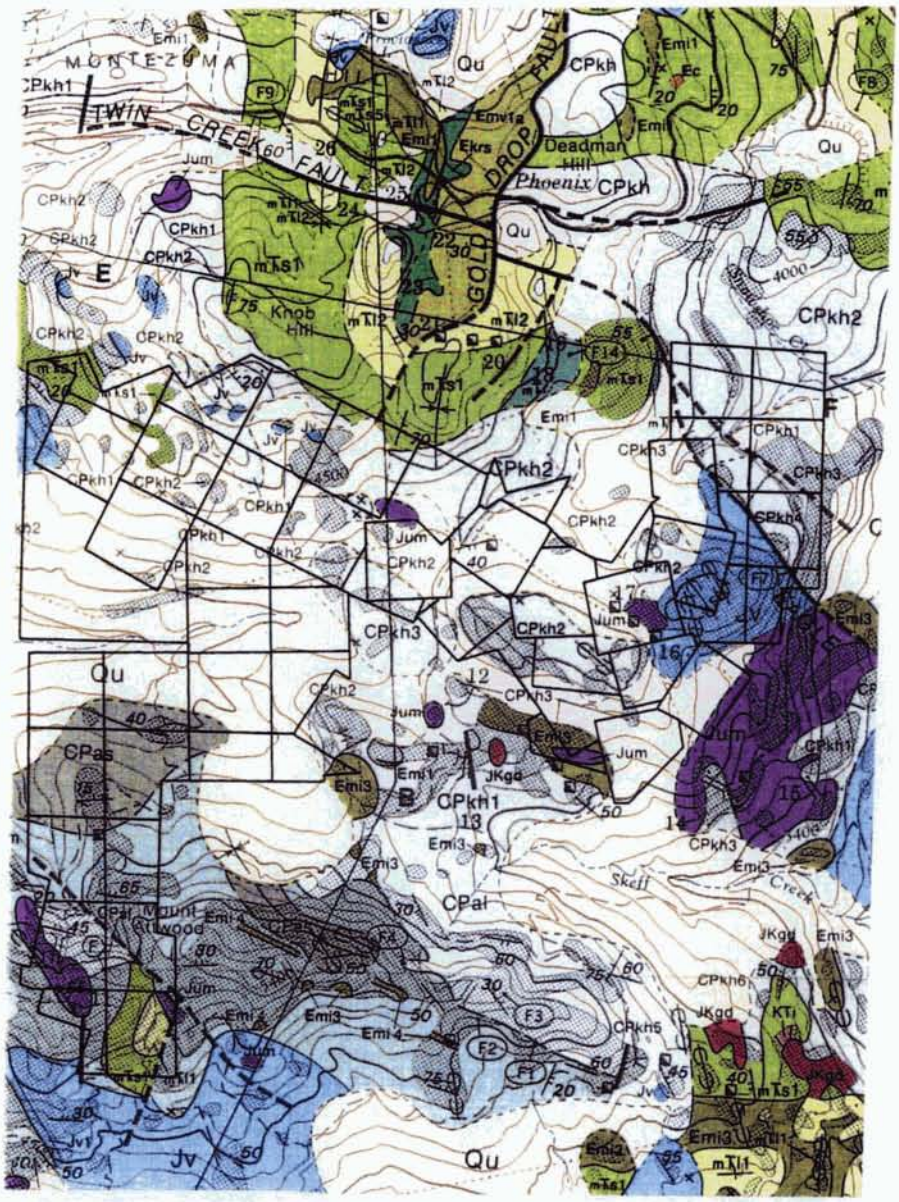
Structually, the Eagle Mountain and Twin Creek faults trend northwesterly and are crosscut by the Gold drop fault trending northeasterly.

Regionally, the rocks have been metamorphased to greenschist facies. Locally, some rocks have been metamorphased to amphibolite grade due to contact metamorphism.

LEGEND FOR FIGURE 3

118° 06'W

49° 06'N



ATTWOOD GOLD CORP.

GOLDEN CROWN PROJECT

REGIONAL GEOLOGY

NTS 82E/2E

SCALE 1:50,000

FIG 3

PROPERTY GEOLOGY

The Golden Crown Property is covered by Permo-Carbonferous Knob Hill greenstone. The greenstone is intruded by the Triassic Old diorite which outcrops from the east of the Winnipeg shaft to adit. The diorite in turn is intruded by a sill like serpentinite body. (Fig. 4 in Appendix II)

The greenstone on the property ranges from andesite to basalt in composition, and occurs as flows and tuffs. The rocks are locally metamorphased to greenshist facies with only a weak fabric being developed. All the rocks have been weakly propylitically altered with chlorite being the predominate alteration product.

Mineralization occurs in veins. Three types of veins have been identified:

1. Quartz veins with disseminated pyrrhotite, pyrite, and chalcopyrite.
2. Massive sulfide veins of pyrrhotite with lesser amounts of pyrite, chalcopyrite, and quartz.
3. Quartz calcite veins containing massive pyrite and chalcopyrite.

The first type of veins occurs throughout the property but contains no significant gold values. The second type of vein generally occurs east of the Golden Crown shaft. This type of vein carries the best gold, silver, and copper values. No correlation was found to exist between the copper and gold values.

The third type of vein occurs west of the Golden Crown shaft. These veins have returned high copper values but generally low gold values. All the veins trend northwesterly and deep steeply north and south.

No visible strutural features occur on surface, although geophysical interpretation suggests two parallel faults trending north bounding the area between the Winnipeg and Golden Crown Shaft. It should be noted that the best continuous gold values occur between these two interpreted faults and that the west of the faults, the veins, are of the quartz-calcite variety. No marker horizons have been identified so no offset could be measured.

1990 DRILL PROGRAM

The 1990 drill program was developed to meet two criteria. The first was to test strike and dip extentions of structures defined by previous diamond drill programs, and the second was to test exploration targets defined by the 1990 geochemical and geophysical surveys.

The program consisted of 2,112 meters of drilling in 34 NQ sized holes. Drill holes GCS 90-1 to GCS 90-15, GCS 90-18, GCS 90-19, GCS 90-28, GCS 90-30 were drilled to test previous data. Drill holes GCS 90-16, GCS 90-17, GCS 90-20 to GCS 90-28, GCS 90-31 to GCS 90-34 were drilled to test exploration targets (Fig. 5). A description of the target and drill hole follows, detailed logs and cross sections appear in the Appendix's I and II.

DDH GCS 90-1

Drill hole GCS 90-1 was collared at 4993.79N, 5379.45E and was drilled on a bearing of 082° at a dip of -58°. The hole was drilled to investigate the vein which outcrops near the portal and was intersected by drill holes GCS 88-3, GCS 88-4, and GCS 88-5.

The geology of the hole consists of greenstone underlain by serpentinite. The contact between these units is faulted. Three veins were intersected by this hole. The first, a quartz vein encountered from 9.35 to 9.45 meters carried no visible mineralization and returned assays of .002 oz Au/ton, 0.02 oz Ag/ton, 0.01% Cu. The second vein was a massive pyrrhotite vein that contained patches of pyrite. This vein was encountered from 38.42 to 38.52 meters.

The vein returned assays of 1.143 oz Au/ton, 0.24 oz Ag/ton, 0.11% Cu. The third vein was a massive pyrrhotite vein with patches of pyrite. This vein was encoutered from 45.73 to 46.95 meters and returned assays of .166 oz Au/ton, 0.42 oz Ag/ton, 0.22% Cu.

DDH GCS 90-2

Drill hole GCS 90-2 was collored at 5047.71N, 5342.45E and was drilled on a bearing of 023° at a dip of -45°. The hole was drilled to test the extent of veins intersected in drill holes GCS 89-11, GCS 89-12, and GCS 89-13.

The hole was collared in greenstone and continued through greenstone for 31.27 meters, at this point dacite was intersected and cored up to 35.06 meters where the hole was stopped. Four veins were intersected in this hole.

The first vein was encountered from 29.67 to 29.97 meters and was composed of quartz (40%), massive pyrrhotite (50%), and pyrite (10%). The vein returned assays of .010 oz Au/ton, 0.02 oz Ag/ton, 0.14% Cu. The second vein was intersected from 31.17 to 31.27 meters and was composed of quartz (60%), banded pyrrhotite (30%), and pyrite (5%). The vein returned assays of 0.005 oz Au/ton, 0.01 oz Ag/ton, 0.03% Cu. The third vein encountered from 32.22 to 32.24 meters and was composed of massive pyrrhotite (80%), pyrite (10%), and returned assays of 2.441 oz Au/ton, 0.31 oz Ag/ton, 0.05% Cu. The fourth vein was encountered between 32.78 to 33.18 meters and was composed of massive pyrrhotite (80%), pyrite (10%), chalcopyrite (less than 1%). The vein returned assays of 0.030 oz Au/ton, 0.06 oz Ag/ton, 0.14% Cu. The zone between 32.24 to 32.78 meters was sampled to see if any gold had leaked into the host rock. This zone returned assays of 0.006 oz Au/ton, 0.03 oz Ag/ton, 0.07% Cu.

DDH GCS 90-3

Drill hole GCS 90-3 was collared at 5129.42N, 4981.03E and was drilled on a bearing of 023° at a dip of -45°. The hole was drilled to test extensions of the King and George Veins.

The hole was collared in diorite and continued through a succession of serpentenites and diorite. The drill did not intersect either the King or the George Vein. Several faults were encoutered. The fault from 44.55 to 44.72 meters appears to be an extension of the King Vein. No visible mineralization was noted and no samples were taken from the drill core.

DDH GCS 90-4

Drill hole GCS 90-4 was collared at 5146.67N, 4943.75E and was drilled on a bearing of 023° at a dip of -45°. The hole was drilled to test the George and King Veins.

The hole was collared in greenstone and continued for 45.72 meters where it was stopped. Three veins were encountered. The first vein was intersected from 12.81 to 12.83 meters and was composed of primarily calcite. No visible mineralization was noted. The second vein was encountered from 26.31 to 27.61 meters. This vein contained massive pyrrhotite (60%), pyrite (5%), and chalcopyrite (10%). The vein returned assays of 1.604 oz Au/ton, 1.66 oz Ag/ton, 2.13% Cu. The third vein was encoutered from 30.28 to 30.58 meters and contained pervasive pyrrhotite (60%), pyrite (5%), and chalcopyrite (10%). The vein returned assays of 0.141 oz Au/ton, 0.64 oz Ag/ton, 1.12% Cu.

DDH GCS 90-5

Drill hole GCS 90-5 was collared at 5126.84N, 4944.75E and was drilled on a bearing of 023° at a dip of -45°. The hole was drilled to test down dip extensions of the King and George Veins.

The hole was collared in greenstone and encountered serpentinite at 64.02 meters and was stopped in serpentinite at 70 meters. One vein was intersected from 53.77 to 54.33 meters. The vein was composed of massive pyrrhotite (60%), pyrite (15%), and chalcopyrite (5%). The vein returned assays of 1.037 oz Au/ton, 1.26 oz Ag/ton, 2.12% Cu. This vein, when plotted in sections, correlates with the vein encoutered in diamond drill hole GCS 90-4 at an intercept of 26.31 to 27.61 meters.

DDH GCS 90-6

Drill hole GCS 90-6 was collared at 5144.13N, 4911.75E and was drilled on a bearing of 023° at a dip of -80°. This hole was drilled to test the down dip extension of the King Vein.

The hole was collared in greenstone and intersected serpentinite at 65.77 meters. The hole was stopped at 70.12 meters in serpentinite. One vein was intersected from 68.69 to 68.96 meters. The vein contained banded pyrrhotite (40%), pyrite (10%) and returned assays of .101 oz Au/ton, 0.06 oz Ag/ton, 0.12% Cu. The sample was taken in hanging wall from 66.79 to 68.29 meters, and consisted of highly sheared serpentinite that contained fault gouge with 10% disseminated pyrite. The sample returned assays of .122 oz Au/ton, 0.10 oz Ag/ton, 0.15% Cu.

DDH GCS 90-7

Drill hole GCS 90-7 was collared at 5145.40N, 4911.82E and was drilled on a bearing of 023° at a dip of -45°. The hole was drilled to test the up dip extension of the King Vein.

The hole was collared in greenstone and intersected diorite at 38.11 meters. It continued through the diorite and intersected greenstone at 53.6 meters. The hole was stopped at 60.0 meters in greenstone. Three veins were encoutered in this hole. The first vein was intersected from 28.96 to 29.36 meters and was composed of massive pyrrhotite (35%), pyrite (10%), and chalcopyrite (less than 1%). The vein returned assays of .042 oz Au/ton, 0.19 oz Ag/ton, 0.32% Cu. The second vein was encountered from 50.60 to 50.80 meters. This vein was composed of massive banded pyrrhotite (45%) and pyrite (10%). The vein returned assays of .084 oz Au/ton, 0.23 oz Ag/ton, 0.64% Cu. The third vein was encountered from 55.80 to 56.00 meters. This vein was composed of banded pyrrhotite (40%), pyrite (10%), and chalcopyrite (less than 1%). The vein returned assays of .059 oz Au/ton, 0.37 oz Ag/ton, .76% Cu.

DDH GCS 90-8

Drill hole GCS 90-8 was collared at 5124.89N, 4859.05E and drilled on a bearing of 023° at a dip of -45°. The hole was drilled to test the MacArthur Vein.

The hole was collared in greenstone and continued for 54.86 meters in greenstone. Two veins were intersected.

The first vein was encountered from 14.02 to 14.28 meters and was composed of 50% calcite. It also contained disseminated pyrrhotite (5%) and pyrite (5%). Limonite and ankerite were present in trace amounts. The vein returned assays of .002 oz Au/ton, 0.01 oz Ag/ton, .04% Cu. The second vein was encountered from 27.48 to 27.90 meters and was composed of massive pyrrhotite (60%), pyrite (10%), chalcopyrite (less than 1%), and quartz (29%). The vein returned assays of .121 oz Au/ton, 0.20 oz Ag/ton, 0.47 Cu. The second vein encountered is the MacArthur Vein.

DDH GCS 90-9

Drill hole GCS 90-9 was collared at 5118.21N, 4814.80E and was drilled on a bearing of 023° at a dip of -87°. The hole was drilled to test the down dip extension of the MacArthur Vein.

The hole was collared in greenstone. It encountered diorite at 37.19 meters. Continued in diorite until 64.63 meters where greenstone was cored up to 84.15 meters where the hole was stopped. One vein was encountered from 58.23 to 58.50 meters. The vein was composed of massive pyrrhotite (85%), pyrite (10%), and chalcopyrite (5%). The vein returned assays of 2.495 oz Au/ton, 0.19 oz Ag/ton, 0.29% Cu. An extensive shear zone had developed from 55.33 to 64.63 meters in the diorite. Talc alteration was extensive, no visible mineralization was noted and no samples were taken for assay.

DDH GCS 90-10

Drill hole GCS 90-10 was collared at 5118.78N, 4814.72E and drilled on a bearing of 023° at a dip of -45. The hole was drilled to test the up dip extension of the MacArthur Vein.

The hole was collared in greestone and intersected diorite from 73.47 to 79.55 meters at which point the hole was stopped. Three veins were encoutered in the hole. The first vein occurs between 8.08 and 8.84 meters. This vein is composed of quartz (95%) and with pyrite (less that 1%). It was also stained with limonite and malachite. The vein returned assays of 0.13 oz Au/ton, 0.01 oz Ag/ton, 0.08% Cu. The second vein was encountered between 11.98 to 12.26 meters and was composed of tightly spaced stringers of pyrrhotite and pyrite.

This vein returned assays of .001 oz Au/ton, 0.01 oz Ag/ton, 0.04% Cu. The third vein was encountered from 17.48 to 17.52 meters. This vein was a banded massive sulfide vein containing pyrrhotite (20%) and pyrite (5%). The vein returned assays of .004 oz Au/ton, 0.01 Ag/ton, 0.07% Cu.

DDH GCS 90-11

Drill hole GCS 90-11 was collared at 5139.18N, 4775.19E and was drilled on a bearing of 023° at a dip of -45°. The hole was drilled to test the up dip extension of the MacArthur Vein.

The hole was collared in greenstone and continued for 66.77 meters in greenstone where the hole broke into the old Golden Crown workings. The hole was stopped at this point. No veins were encountered in this hole and no samples were taken or assayed.

DDH GCS 90-12

Drill hole GCS 90-12 was collared 5128.82N, 4760.71E and was drilled on a bearing of 027° at a dip of -45°. The hole was drilled to test the MacArthur Vein.

The hole was collared in greenstone and continued for 71.03 meters in greenstone. The greenstone was generally weakly fractured up to 63.4 meters. From this point to the end of the hole, the rock was moderately sheared. Two zones were sampled. The first zone from 27.7 to 28.0 meters contained quartz stringers with limonite, and exhibited chlorite alteration. The zone returned assays of .003 oz Au/ton, 0.02 oz Ag/ton, 0.03 Cu. The second zone encountered was a bleached zone containing disseminated pyrite (2%) and pyrrhotite (2%). This zone returned assays of .002 oz Au/ton, 0.01 oz Ag/ton, 0.02 Cu.

DDH GCS 90-13

Drill hole GCS 90-13 was collared at 5127.41N, 4760.66E and drilled on a bearing of 023° at a dip of -90°. The hole was drilled to test the down dip extension of the MacArthur Vein.

The hole was collared in greenstone and continued through greenstone up to 79.66 meters where the hole was stopped. A quartz breccia was intersected from 9.60 to 10.07 meters. It contained blebs of pyrite (3%), pyrhotite (1%), and limonite stain. It returned assays of .001 oz Au/ton, 0.01 oz Ag/ton, 0.03% Cu. A quartz vein was encountered from 18.42 to 18.78 meters. It contained pyrite (30%) and returned assays of .051 oz Au/ton, 0.13 oz Ag/ton, 0.01% Cu. From 51.4 to 79.66 meters, several bleached zones containing blebs of pyrite and pyrrhotite were encountered. No significant gold, silver or copper assays were returned from these zones.

DDH GCS 90-14

Drill hole GCS 90-14 was collared at 5118.04N, 4776.09E and was drilled on a bearing of 023° at a dip of -78°. The hole was drilled to test the down dip extension of the MacArthur Vein.

The hole was collared in greenstone and continued through greenstone to 84.60 meters where it was stopped. The hole intersected one quartz vein from 18.75 to 19.00 meters. No visible mineralization was noted and no sample was taken. A total of 15 other zones were sampled and assayed. No signifact gold, silver or copper values were returned.

DDH GCS 90-15

Drill hole GCS 90-15 was collared at 5120.40N, 4796.14E and drilled on a bearing of 023° at a dip of -50°. The hole was drilled to test the up dip extension of the MacArthur Vein.

The hole was collared in greenstone and continued through greenstone up to 72.86 meters at which point the hole was stopped. No veins were encountered in this hole. A brecciated zone was encountered from 56.49 to 57.90 meters but returned insignicant assays of gold, silver and copper. Malachite was noted in an oxidized zone from 11.57 to 12.75 meters but, returned insignificant assays of gold, silver and copper.

DDH GCS 90-16

Drill hole GCS 90-16 was collared at 5407.64N, 4591.58E and drilled on a bearing of 045° at a dip of -45. The hole was drilled to test coincidental gold and copper soil anomalies.

The hole was collared in greenstone and was drilled 65.53 meters where it was stopped in greenstone. Four veins were intersect by the drill hole. The first vein was encountered from 9.45 to 9.85 meters. The vein was composed of quartz (90%) and wall rock (10%). No mineralization was noted. Assays returned values of .001 oz Au/ton, 0.06 oz Ag/ton, 0.01% Cu. The second vein encoutered was also a quartz vein. It was intersected from 11.40 to 11.88 meters and contained massive pyrite (5%) with blebs of pyrrhotite (1%). The vein returned assays of .001 oz Au/ton, 0.04 oz Ag/ton, 0.03 Cu. The third vein encountered was a massive sulfide vein and was intersected from 17.80 to 18.34 meters. It was composed of pyrite (20%), pyrrhotite (60%), and chalcopyrite (20%). The vein returned assays of 0.084 oz Au/ton, 2.50 oz Ag/ton 6.23% Cu. The fourth vein encountered was a quartz vein intersected from 21.74 to 21.84 meters. No mineralization was noted and no samples or assays were taken. A zone of argillic alteration was sampled from 9.85 to 10.67 meters but returned insignificant assays in gold, silver, and copper. A bleached zone was noted from 33.88 to 36.75 meters. The zone contained disseminated pyrite (5%), pyrrhotite (5%), and chalcopyrite (less than 1%). No significant assays were returned.

DDH GCS 90-17

Drill hole GCS 90-17 was collared at 4982.74N, 5175.54E and was drilled on a bearing of 045° at a dip of -45°. The hole was drilled to investigate coincidental gold and copper soil anomalies, and a magnetic spike.

The hole was collared in serpentinite and continued through serpentinite up to 62.50 meters where it intersected diorite. The hole continued in diorite up to 67.19 meters where it re-entered serpentinite. The hole was stopped at 68.29 meters in serpentinite. The serpentinite was generally sheared with abundant epidote. No significant mineralization was noted or sampled.

DDH GCS 90-18

Drill hole GCS 90-18 was collared at 5092.01N, 5131.33E and was on a bearing of 023° at a dip of -50. The hole was drilled to investigate the up dip extension of mineralization occuring in drill holes GCS 87-21, GCS 87-22, and to investigate the unknown section of drill hole GCS 68-7.

The hole was collared in diorite and continued through diorite until it was stopped at 47.25 meters. The hole intersected three veins. The first vein encountered was a quartz vein intersected from 10.80 to 11.00 meters. This vein was composed of quartz (80%) and wall rock (20%). No visible mineralization was noted. Assays returned values of .001 oz Au/ton, 0.03 oz Ag/ton, 0.01% Cu. The second vein encountered was a quartz vein intersected from 30.42 to 30.73 meters. This vein contained quartz (30%), wall rock (20%), and limonite. The vein returned assays of .001 oz Au/ton, 0.01 oz Ag/ton, 0.01% Cu. The third vein was a sulfide vein intersected from 35.06 to 35.83 meters. The vein contained pervasive pyrite (10%), pyrrhotite (3%), chalcopyrite (less than 1%), quartz (10%), and wall rock and limonite (60%). The vein returned assays of .002 oz Au/ton, 0.03 oz Ag/ton, 0.03 Cu. The last vein intersected is the up dip extension of the mineralized zones in GCS 87-21.

DDH GCS 90-19

Drill hole GCS 90-19 was collared at 5037.71N, 5313.11E and was drilled on a bearing of 023° at a dip of -50°. The hole was drilled to test the strike extension of mineralization occurring in drill holes GCS 90-2, GCS 89-11, GCS 89-12 and GCS 89-13.

The hole was collared in greenstone and continued through greenstone up to 56.08 meters where it was stopped. A quartz vein was encountered from 15.45 to 15.72 meters. No visible mineralization was present. The vein returned assays of 0.010 oz Au/ton, 0.09 oz Ag/ton, 0.07% Cu. A sulfide vein was intercepted from 18.46 to 18.53 meters. The vein contained massive pyrite (15%) and pyrrhotite (3%). The vein returned assays of .002 oz Au/ton, 0.03 oz Ag/ton, 0.15% Cu. The vein was enveloped between sulfide rich zones. The hanging wall from 17.76 to 18.16 meters, and the footwall from 18.85 to 18.92 meters. Both zones were sampled but returned insignificant assay values. A final sulfide zone was intersected from 24.10 to 24.20 meters. This zone was sampled and returned insignificant assay values.

DDH GCS 90-20

Drill hole GCS 90-20 was collared at 5547.98N, 4003.03E and was drilled on a bearing of 045° at a dip of -45°. The hole was drilled to test a coincidental Mag Spike and VLF Conductor.

The hole was collared in greenstone and continued through greenstone up to 62.80 meters where it was stopped. The hole intersected three mineralized zones. The first was a calcite vein which extended from 15.87 to 16.33 meters. The vein was composed of calcite (40%), massive pyrite (55%), and pyrrhotite (5%). The vein returned assays of .007 oz Au/ton, 0.04 oz Ag/ton, 0.02% Cu. The second zone encountered was a sulfide rich zone extending from 51.68 to 51.93 meters. It contained pervassive pyrite (30%) and pyrrhotite (3%). The zone returned assays of .026 oz Au/ton, .26 oz Ag/ton, 0.23% Cu. The third zone encountered was similar to the second zone except it contained pervasive pyrite (60%), pyrrhotite (3%), and returned assays of .210 oz Au/ton, 0.07 oz Ag/ton, 0.05 Cu.

DDH GCS 90-21

Drill hole GCS 90-21 was collared at 5252.98N, 3844.52E and was drilled on a bearing of 215° at a dip of -45°. The hole was drilled to test the strike and down dip extension of the Hartford Vein.

The hole was collared in greenstone and continued through greenstone up to 64.02 meters where it was stopped. The hole intersected two mineralized veins. The first was encountered from 13.45 to 13.75 meters. The vein consisted of quartz (40%), banded pyrite (15%), and brecciated wall rock (40%). The vein returned assays of .001 oz Au/ton, 0.04 oz Ag/ton, 0.26% Cu. The second vein occurred between 28.90 to 29.15 meters and consisted of massive pyrite (95%) and quartz (5%). This vein is the extension of the Hartford Vein and returned assays of .030 oz Au/ton, .35 oz Ag/ton, .92% Cu. Two siliceously altered zones were intersected, one from 35.64 to 36.53 meters and the other from 36.98 to 37.39 meters.

These zones contained tightly spaced stringers of pyrite and quartz with traces of chalcopyrite. The zones returned assays of .001 oz Au/ton, 0.04 oz Ag/ton, 0.04% Cu for the first and .004 oz Au/ton, 0.27 oz Ag/ton, 0.76% Cu for the second.

DDH GCS 90-22

Drill hole GCS 90-22 was collared at 4937.64N, 3703.65E and was drilled on a bearing of 045° at a dip of -45°. The hole was drilled to investigate the coincidental May Spike, VLF Conductor and copper soil anomaly at 458+50N 459+00E of the exploration grid.

The hole first encountered diorite then continued through a succession of greenstones, and diorite up to 64.02 meters where the hole was stopped in greenstone. The hole encountered several quartz veins in the interval from 51.10 to 64.02 meters. One vein returned significant assays. A quartz vein encountered 54.30 to 54.54 meters returned assays of .002 oz Au/ton, 0.08 oz Ag/ton, 0.25% Cu. All veins encountered from 54.30 to 64.02 meters contained chalcopyrite in concentrations of up to 3%. This would explain the high copper soil anomally. The section from 51.80 to 64.02 meters exhibits serpentinization which explains the magnetic spike. The zone contains up to 10% pyrite which would explain the VLF Condutor.

DDH GCS 90-23

Drill hole GCS 90-23 was collared at 4932.51N, 4288.34E and drilled on a bearing of 045° at a dip of -45°. The hole was drilled to investigate coincidental VLF Conductor, soil anomaly.

The first encountered greenstone until 6.55 meters where it intersected diorite. It continued in diorite until 39.63 meters where the hole was stopped. Two shears were intersected. The first from 25.10 to 25.30 meters showed intense argillic alteration. No visible mineralization was noted. The zone returned assays of .001 oz Au/ton, 0.02 oz Ag/ton, 0.01% Cu. The second shear occured from 34.30 to 35.20 meters and again showed intense argillic alteration with mineralization consisting of sheared quartz (60%) and disseminated pyrite (10%). This zone returned assays of .001 oz Au/ton, 0.05 oz Ag/ton, 0.01% Cu.

DDH GCS 90-24

Drill hole GCS 90-24 was collared at 5261.43N, 3789.91E and was drilled on a bearing of 210° at a dip of -47°. The hole was drilled to test the western strike extension of the Hartford Vein.

The hole was collared in greenstone and continued through greenstone until 60.65 meters where it was stopped. Mineralization occurred thoughout this hole, generally as sulfide stringers and as fracture filling. Pyrite and pyrrhotite predominated with traces of chalcopyrite. Eight samples were taken from 1.22 to 21.95 meters only one sample returned significant assay values. The sample from 5.79 to 6.23 meters returned assays of .004 oz Au/ton, 0.04 oz Ag/ton, 0.23% Cu. Three veins were encountered after 21.95 meters. The first was a quartz vein intersected from 29.27 to 29.60 meters composed of quartz (90%), chalcopyrite (8%), and pyrite (1%), returned assays of .001 oz Au/ton, 2.05 oz Ag/ton, .14% Cu.

The second vein was intersected from 44.21 to 44.45 meters and was composed of quartz (40%) and pyrite (15%). This vein returned assays of .004 oz Au/ton, 0.02 oz Ag/ton, .19% Cu. The third vein was intersected from 48.18 to 48.28 meters and was composed of massive pyrite (10%), pyrrhotite (7%), and chalcopyrite (less than 1%). The vein returned assays of .005 oz Au/ton, 0.05 oz Ag/ton, 0.28% Cu.

DDH GCS 90-25

Drill hole GCS 90-25 was collared at 5303.30N, 4350.08E and was drilled on a bearing of 045° at a dip of -50°. The hole was drilled to investigate a coincidental VLF Conductor and copper soil anomally.

The hole began in diorite and continued in diorite until 23.53 meters where it intersected greenstone. It then continued in greenstone until 50.0 meters where the hole was stopped. Two veins were encountered in the drill hole. Both were massive sulfide veins. The first vein was intersected from 29.03 to 29.41 meters and was composed of massive pyrite (80%). The vein returned assays of .026 oz Au/ton, 0.35 oz Ag/ton, 0.33% Cu. The second vein was encountered from 39.36 to 41.86 meters and was composed of Massive pyrite (60%), pyrrhotite (20%), chalcopyrite (10%), and quartz (10%). The second vein was split into two samples. The first from 39.36 to 40.86 meters returned values of .353 oz Au/ton, 1.43 oz Ag/ton, 3.64% Cu. The second sample from 40.86 to 41.86 meters returned assays of .630 oz Au/ton, 1.64 oz Ag/ton, 1.54% Cu.

DDH GCS 90-26

Drill hole GCS 90-26 was collared at 5337.71N, 4349.77E and was drilled on a bearing of 045° at a dip of -50°. The hole was drilled to investigate a second VLF Conductor north of the conductor tested in GCS 90-25.

The hole was collared in greenstone and continued in greenstone until 49.60 meters where it was stopped. Only one vein was encountered. It was intersected from 31.10 to 31.55 meters and was composed of massive pyrite (60%), quartz, and wall rock (40%). The vein returned assays of .003 oz Au/ton, .62 oz Ag/ton, 0.09% Cu. Chalcopyrite occurred in several sections of this hole. Usually it was disseminated or in stringers. A sample from 19.10 to 20.37 meters returned assays of .008 oz Au/ton, 0.12 oz Ag/ton, 0.33% Cu.

DDH GCS 90-27

Drill hole GCS 90-27 was collared at 5287.23N, 4210.69E and was drilled on a bearing of 045° at a dip of -50°. The hole was drilled to investigate the extension of the VLF Conductor tested in GCS 90-25.

The hole was collared in greenstone and continued through greenstone up to 50.3 meters where it intersected diorite. It continued in diorite until 60.0 meters at which point the hole was stopped. Two quartz veins were encountered. The first vein was intersected from 5.56 to 5.84 meters and was composed of massive pyrite (60%) and quartz (30%). The vein returned assays of .009 oz Au/ton, 0.03 oz Ag/ton, 0.08% Cu. The second vein was intersected from 25.12 to 25.43 meters. The vein was composed of quartz (90%) with disseminated pyrite (3%), disseminated chalcopyrite (8%). The vein returned assays of .003 oz Au/ton, 0.06 oz Ag/ton, 0.30% Cu.

A bleached zone was encountered from 32.92 to 33.92 meters and contained patches of pyrite (10%), pyrrhotite (3%), and chalcopyrite (15%). The zone returned assays of .012 oz Au/ton, 0.29 oz Ag/ton, 1.20% Cu.

DDH GCS 90-28

Drill hole GCS 90-28 was collared at 5152.55N, 4865.50E and was drilled on a bearing of 023° at a dip of -50°. The hole was drilled to test the up dip extension of the George Vein.

The hole was collared in greenstone and continued through greenstone until it intersected diorite from 16.77 to 20.13 meters. It then re-entered greenstone from 20.13 to 23.50 meters where it re-entered diorite and continued in diorite until 48.47 meters at which point the hole was stopped. One vein was encountered from 20.13 to 21.60 meters. The vein was composed of calcite (10%), quartz (5%), blebs of pyrite (10%), pyrrhotite (8%), and chalcopyrite (3%). The vein returned assays of .022 oz Au/ton, 0.14 oz Ag/ton, 0.39% Cu.

DDH GCS 90-29

Drill hole GCS 90-29 was collared at 5414.83N, 4540.68E and drilled on a bearing of 045° at a dip of -50°. The hole was drilled to test the western strike extension of the sulfide vein intersected in GCS 90-16.

The hole was collared in greenstone and continued through greenstone until 60.97 meters at which point it was stopped. Three veins were encountered. The first vein was intersected from 20.88 to 21.49 meters and was composed of massive chalcopyrite (40%), pyrite (20%), and quartz (40%). The vein returned assays of .038 oz Au/ton, 1.01 oz Ag/ton, 2.80% Cu. The second vein was intersected from 27.20 to 28.08 meters and was composed of quartz (100%). No visible mineralization was noted. The vein returned assays of .003 oz Au/ton, 0.07 oz Ag/ton, 0.10% Cu. The third vein was intersected from 31.71 to 32.92 meters and was composed of massive chalcopyrite (50%), pyrrhotite (10%), pyrite (5%), and quartz (35%). This vein returned assays of 0.050 oz Au, 3.34 oz Ag/ton, 8.13% Cu.

The first vein encountered corresponds to the vein intersected in GCS 90-16. The third vein is a new structure that should be investigated further.

DDH GCS 90-30

Drill hole GCS 90-30 was collared at 5146.27N, 4845.73E and drilled on a bearing of 023° at a dip of -50°. The hole was drilled to test the extension of the MacArthur Vein.

The hole had to be cased 9.15 meters through the MacArthur stope. The hole continued through interfingering greenstone and diorite and was stopped at 50.3 meters in greenstone. Two veins were encountered in this hole. The first was intersected from 13.40 to 13.72 meters and was composed of massive pyrrhotite (70%), pyrite (5%), chalcopyrite (3%), and quartz (10%). The vein returned assays of .047 oz Au/ton, 0.20 oz Ag/ton, 0.41% Cu.

The second vein was intersected from 21.0 to 21.50 meters and was composed of quartz (95%) with finely disseminated pyrite (less than 1%). This vein returned assays of .003 oz Au/ton, 0.05 Ag/ton, 0.03% Cu. A mineralized shear zone was intersected from 36.39 to 37.34 meters. This zone contained blebs of pyrrhotite (8%), chalcopyrite (9%), and pyrite (1%). The zone returned assays of .096 oz Au/ton, .73 oz Ag/ton, .64% Cu.

DDH GCS 90-31

Drill hole GCS 90-31 was collared at 5302N, 4349.99E and was drilled at a bearing of 045° at a dip of -70°. The hole was drilled to test the down dip extension of massive sulfide vein intersected in GCS 90-25.

The hole was collared in greenstone and continued through greenstone until it was stopped at 89.94 meters. Three veins were encountered in this hole. The first was a quartz vein and was intersected from 42.8 to 43.06 meters. No visible mineralization was noted and no assays were taken from this vein. The second vein and was intersected from 44.88 to 45.00 meters, a calcite vein with blebs of pyrite (less than 1%). The vein returned assays of .001 oz Au/ton, 0.03 oz Ag/ton, 0.08% Cu. The third vein was encountered from 50.30 to 51.54 meters. The vein was composed of massive pyrite (60%) and quartz (30%). The vein returned assays of .004 oz Au/ton, 0.07 oz Ag/ton, 0.22% Cu.

It was concluded that the vein intersected from 50.30 to 51.54 meters was not the same structure as the vein in GCS 90-25, and that the structure was not dipping to the south, but to the north.

DDH GCS 90-32

Drill hole GCS 90-32 was collared at 5358.41N, 4366.13E and was drilled on a bearing of 215° at a dip of -50°. The hole was drilled to test the down dip extension of massive sulfide intersection from GCS 90-25.

The hole was collared in greenstone and continued through greenstone until 47.88 meters where it intersected a diorite dyke up to 56.00 meters where it returned to greenstone until 59.75 meters at which point the hole was stopped. Six veins were encountered in this hole. The first vein was intersected from 4.05 to 4.56 meters and was composed of blebs of pyrite (60%), chalcopyrite (5%), in a quartz matrix (30%). The vein returned assays of 0.066 oz Au/ton, 0.71 oz Ag/ton, 2.01% Cu. The second vein encountered was a quartz vein intersected from 4.76 to 5.4 meters and contained pyrite (30%) and chalcopyrite (3%). The vein returned assays of .008 oz Au/ton, .22 oz Ag/ton, 0.77% Cu. The third vein was also a quartz vein and was intersected from 6.06 to 6.64 meters and contained pyrite (30%) and chalcopyrite (3%). This vein returned assays of 0.014 oz Au/ton, 0.20 oz Ag/ton, 0.69% Cu. The fourth vein encountered was a quartz vein. It was intersected from 14.57 to 16.06 meters and contained massive pyrite (60%) and chalcopyrite (3%). The vein returned assays of .006 oz Au/ton, 0.37 oz Ag/ton, 1.13% Cu. The fifth vein encountered was a massive sulfide vein intersected from 19.54 to 19.95 and was composed of massive pyrite (60%) and chalcopyrite (20%). The vein returned assays of .063 oz Au/ton, 3.30 oz Ag/ton, 11.26% Cu. The sixth vein encountered was a quartz vein and was intersected from 44.90 to 45.50 meters. It contained massive pyrite (45%) and chalcopyrite (7%), and returned assays of .144 oz Au/ton, 0.81 oz Ag/ton, 1.37% Cu.

DDH GCS 90-33

Drill hole GCS 90-33 was collared at 5351.85N, 4390.35E and was drilled on a bearing of 225° at a dip of -50°. The hole was drilled to test the eastern strike extension of the sulfide vein encountered in GCS 90-25 to GCS 90-32.

The hole was collared in greenstone, continued through two diorite intersections and was stopped at 60.00 meters in greenstone. Two veins were encountered in this hole. The first vein was a massive sulfide vein and was intersected from 19.60 to 20.15 meters and was composed of massive pyrite (85%) chalcopyrite (less than 1%), and quartz (10%). The vein return assays of .073 oz Au/ton, .33 oz Ag/ton, 0.82% Cu. The second vein was encounterd from 24.40 to 24.69 meters. It was a quartz vein and contained massive pyrite (80%). The vein returned assays of .059 oz Au/ton, .21 oz Ag/ton, 1.03% Cu.

DDH GCS 90-34

Drill hole GCS 90-34 was collared at 5364.37N, 4341.74E and was drilled on a bearing of 225° at a dip of -50°. The hole was drilled to test the eastern extension of the mineralized vein encountered in GCS 90-25 and GCS 90-32.

The hole was collared in greenstone and continued through interfingered greenstone and diorite until it was stopped at 59.75 meters in diorite. Four veins were encountered in this hole. The first vein encountered was a quartz vein and intersected from 7.42 to 7.48 meters. The vein contained blebs of pyrite (5%) and chalcopyrite (2%). The vein returned assays of .002 oz Au/ton, 0.05 oz Ag/ton, 0.20% Cu. The second vein encountered was a quartz vein and was intersected from 22.00 to 23.06 meters.

The vein contained blebs of pyrite (50%) and chalcopyrite (10%). The vein returned assays of .136 oz Au/ton, 0.47 oz Ag/ton, 1.10% Cu. The third vein encountered was a quartz vein and was intersected from 29.17 to 29.48 meters. The vein contained blebs of pyrite (10%). The vein returned assays of .003 oz Au/ton, 0.15 oz Ag/ton, 0.49% Cu. The fourth vein encountered was a quartz vein and was intersected from 44.1 to 44.12 meters. The vein contained blebs of pyrite (8%), and chalcopyrite (4%). A sample was taken from 44.00 to 44.20 meters and returned assays of .009 oz Au/ton, 0.11 oz Ag/ton, 0.27% Cu. In addition, two sulfide rich zones were encountered. The first zone was intersected from 48.4 to 48.92 meters and contained blebs of pyrite (50%), and chalcopyrite (10%). This zone returned assays of .002 oz Au/ton, 0.17 oz Ag/ton, 0.50% Cu. The second zone was intersected from 51.74 to 52.34 meters and contained blebs of pyrite (30%), and chalcopyrite (less than 1%). This zone returned assays of .014 oz Au/ton, 0.04 oz Ag/ton, 0.26% Cu.

CORE STORED ON SITE

CONCLUSION

The first phase of the drilling added valuable information to the strike length of the King Vein (intersected by GCS 90-3 to GCS 90-7), the holes drilled to interect the MacArthur Vein were disappointing as the veins intercepted returned low assay values or no structure was identified at all. Intersection from GCS 90-1 gave strike extension to the listwanite vein but returned poor assays. The Calumet Veins were intercepted by GCS 90-2 but no strike extension was gained by drilling GCS 90-19.

The second phase of drilling to test the exploration targets met with moderate success. The Hartford Vein System was defined but returned low assays values from drill holes GCS 90-21 and GCS 90-24. The high copper soil values tested by GCS 90-22 were a result of the abundant chalcopyrite occurring from 54.30 to 64.02 meters. The conductor tested by GCS 90-25 offered a large intercept with encouraging assays but drill holes GCS 90-26, GCS 90-7, and 90-31-34 show the mineralization to be a localized lense that appears to be pinching to the east and west and at depth. The vein defined by drillholes GCS 90-16 and GCS 90-29 are very encouraging as the structure is open to the west and may possibly be related to the veins intercepted in GCS 90-20.

RECOMMENDATIONS

Further exploration of the Golden Crown Property should consist of extending geochemical and geophysical surveys between drill holes GCS 90-29 and GCS 90-20 if a conductor and soil anomalies are defined. Then, the zone should be drilled to try to extend the strike length and depth of the structure. No Further work is recommended.

STATEMENT OF COST

Geochemical Survey	$ 10,096.14
Geophysical Survey	11,850.00
Drilling	
Mob/demo	2,000.00
Casing	
68.89 meters at $46.00/meter	3,168.94
49.99 meters at $66.00/meter	3,299.34
Coring	
1,356.67 meters at $41.80/meter	56,708.81
637.34 meters at $47.80/meter	30,464.85
Acid Tests	
30 at $60.00/test	1,800.00
Standby	
8.5 hours at $80.00/hour	680.00
Cat Time	
22 hours at $75.00/hour	1,650.00
Personnel	
Project Supervisor	
260.5 hours at $37.50/hour	9,768.75
Geologist	
72 days at $150.00/day	10,800.00
Accomodations	
Lodging and Meals	
72 days at $65.00/day	4,680.00
Assays	
214 samples at $22.00/sample	4,708.00

Equipment Rentals	
Theodolite Rental 2 weeks at $371.00/week	742.00
Truck 2 months at $1,000.00/month	2,000.00
Gas & Oil	1,000.00
Computer Rental 6.5 weeks at $50.00/week	325.00
Report Preparations	
Report Writing	2,255.43
Drafting	1,120.00
	$159,117.26

STATEMENT OF QUALIFICATIONS

I Warren Robb of the city of Vancouver in the Province of British Columbia, hereby certify that:

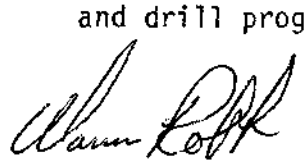
1. I am a geologist residing at 101 - 1221 Burnaby Street, Vancouver, British Columbia.

2. I worked as a Survey Technician with Hargraves and Associates of Vancouver from August 1980 - March 1981 and British Columbia Railways from March 1981 to June 1982.

3. I have graduated from the University of British Columbia in 1987 with a B.Sc. in geology.

4. I have worked in mineral exploration continously since 1987.

5 I was on the Golden Crown Property for the duration of the 1990 field and drill program.



Warren Robb

APPENDIX I

Drill Log Code Descriptions
Drill Logs
Assay Logs
Assay Results

EXPLANATION OF DRILL LOG CODES

COLUMNS

FROM TO	= Distance down hole
LENGTH	= Length of down hole Interval
REC	= Core Recovery in Percent
ROCK	= Rock Type
COLOR	= Color of Rock
IC	= Initial Contact measure of angle to Core
STRT	= Structure, Grainsize
AD	= Apparent Dip, measure angle to core
IN	= Intensity of Alteration (0=very little 10=completly altered)
	= Intensity of Structure
ALT	= Alteration
MINH	= Mineralization Habit

PY	= amount pyrite in percent
PQ	= amount pyrhotite in percent
CP	= amount chalcopyrite in percent
QZ	= amount quartz in percent
CC	= amount calcite in percent
TR	= less than one percent

Other (other minerals present)

LIM	= Limonite
EP	= Epidote
Mn Stain	= Manganeese stain
Mal	= Malachite
TC or TA	= Talc
ANK	= Ankerite
CH	= Chlorite
BN	= Bornite
HB	= Hornblende

EXPLANATION OF SPECIFIC CODES

Rock Codes	SHZN	= Shear zone
	QZXX	= Quartz zone
	HYPH	= Hybrid rock
	GSTN	= Greenstone
	ANDS	= Andesite
	DIOR	= Diorite
	SERP	= Serpentine
	FAUL	= Fault
	SLXX	= Sulfide zone
	QZUN	= Quartz vein
	SLVN	= Sulfide vein
	CAVN	= Calcite vein
	BRXX	= Breccia zone
	TAS$	= Talc Schist

Color (1 darkest 10 palest)

G	= Green
N	= Black
U	= Brown
P	= Purple
W	= White
A	= Grey

STRT

Structure 2 letter Code:		Grainsize 2 letter Code:	
BR	= Brecciated	1G	= Aphanitic
MA	= Mass	3G	= Fine
SH	= Sheared	5G	= Medium
BK	= Blocky Broken	7G	= Coarse
JT	= Jointed	10G	= Extremely coarse

3GJT = Fine Grained Jointed

ALTERATION

SILI	= Silicious	
PROP	= Proplylitic	
PLOT	= Potassic	
TALC	= Talc	
SERP	= Serpentine	
OXID	= Oxidized	
QZCB	= Quartz Carb	
EPID	= Epidote & Silica	
ARGL	= Argillic	

MINH

MASS	= Massive	
DISS	= Disseminated	
MIVN	= Microvein	less than 1 cm
MAVN	= Macrovein	greater than 1 cm
PATC	= Patches	
BLEB	= Bleb	
BAND	= Banded	
PERV	= Pervasive	
GOUG	= gouge	
STWK	= Stockwork	
BLCH	= Bleached	

DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-1	NQ	JULY 16/90	JULY 17/90	W. ROBB

Robb

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	4993.79	5376.65	1304.36	082		-58	50.0	4994	5382.5	1

I	DEPTH	TRUE AZ	DIP
S	50.29	082	-64.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	3.05	3.05		OVER														
P	3.05	9.35	6.30	100	GSTN	36		36JT		3	PROP	2	DISS	TR					EP
P	9.35	9.45	0.10		QZVN	W													
P	9.45	12.90	3.45	50	ANDS	P		36BK		8	OXID	7							MN STAIN
P	12.90	45.73	32.83		GSTN	36		36JT		3	PROP	2							
N	24.29	25.00	0.71	40				BK		9	OXID	8	MIVN						LIM
N	25.00	45.70	20.70										PATC	2	1				
N	38.42	38.52	0.10		SLVN								MASS	10	75				
P	45.73	46.95	1.22	99	SLVN								MASS	4	95				
P	46.95	48.27	1.32		HYPH						SERP	6							
N	47.32	47.42	0.10		FAUL														GOUGE
P	48.27	50.00	1.73		SERP	3N		36JT			EPID	6	MIVN					10	EP
			ERR																
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			0.00																
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-1	JUL/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZ AU/ TON	OZ AG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	9.35	9.45	89051	0.002	0.02	0.01					
A	38.42	38.52	89052	1.143	0.24	0.11					
A	43.73	46.95	89053	0.166	0.42	0.22					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-2	NQ	JULY 17/90	JULY 18/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5047.71	5342.45	1311.97	023		-45	35.00	5030		1

I	DEPTH	TRUE AZ	DIP
S	35.05	023	-51.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	3.05	3.05		OVER														
P	3.05	29.67	26.62		GSTN	3G		2GFR		2	SILI	3	MIVN				10	10	
N	12.52	15.55	3.03	70				FR		8									
N	15.55	28.05	12.50					1GJT		5									
N	28.05	29.67	1.62					FR		8			BLEB	TR					
P	29.67	29.97	0.30		QZVN								MASS	10	50		40		
P	29.97	31.17	1.20		GSTN	3AG		2G			SILI								
P	31.17	31.27	0.10		QZVN								BAND	5	30		60		
P	31.27	32.78	1.51		DACT	7A		2G											
N	32.22	32.24	0.02		SLVN								MASS	10	80				
P	32.78	33.18	0.40		SLVN								MASS	10	80	TR	10		
P	33.18	35.06	1.88		DACT	7A		2G			SILI	4	DISS	1		TR			MAL
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ASSAY RECORD

PROPERTY		HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN	CROWN	GCS 90-2	JUL/90	W. ROBB	OF

	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	25.91	26.31	89098	0.026	0.10	0.25					
A	27.61	28.96	89096	0.003	0.06	0.15					
A	29.67	29.97	89054	0.010	0.02	0.14					
A	31.17	31.27	89055	0.005	0.01	0.03					
A	32.22	32.24	89056	2.441	0.31	0.05					
A	32.24	32.78	89095	0.006	0.03	0.07					
A	32.78	33.18	89057	0.030	0.06	0.14					

DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-3	NQ	JULY 19/90	JULY 19/90	W.ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5129.42	4981.03	1356.02	023		-45	65.55	5130	4980	1

I	DEPTH	TRUE AZ	DIP
S	65.55	023	-52.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	4.26	4.26		OVER														
P	4.26	15.55	11.29		DIOR	5AG		56			SILI	8	PERV	TR	TR		40		EP
P	15.55	16.77	1.22	63	HYPH	36		SH		2	SERP	5							
P	16.77	21.50	4.73	90	SERP	N		16JT		5	EPID	1							
P	21.50	28.18	6.68		HYPH	2GN		2GSH		5	SERP	5							
N	22.67	24.25	1.58		FAUL								GOUG						
N	25.91	26.11	0.20		FAUL								GOUG						
N	26.11	28.18	2.07								SERP	4							
P	28.18	57.01	28.83		DIOR	6AG		4GSH			TALC	5	PERV				10	20	TA
N	30.46	30.66	0.20		FAUL								GOUG						
N	44.55	44.72	0.17		FAUL														
P	57.01	58.99	1.98		HYPH	2G		2G			SERP	3							
P	58.99	63.56	4.57		SERP	N					TALC	3							
P	63.56	65.55	1.99		DIOR	6AG					PROP	3					10	20	TA
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-4	NQ	JULY 19/90	JULY 20/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5146.67	4943.75	1357.93	023		-45	45.00	5150	4930	1

I	DEPTH	TRUE AZ	DIP
S	45.72	023	-50.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	3.66	3.66		OVER														
P	3.66	26.31	22.65	98	GSTN	36		36JT		4	PROP	4	DISS	1	3	TR	5	15	TALC
N	12.81	12.83	0.02		CAVN	W	50											100	
N	16.46	17.37	0.91					SH		8	TALC							30	TALC
N	18.09	18.49	0.40					SH		8	TALC							30	TALC
N	19.06	20.43	1.37					SH		8	TALC							30	TALC
N	20.43	26.31	5.88			26		26			PROP	7	DISS	2	3	1	5		
P	26.31	27.61	1.30	100	SLVN								MASS	5	80	10 *			
P	27.61	30.28	2.67		GSTN	26		36			PROP	6	DISS	2	3	TR			
P	30.28	30.58	0.30		SLXX								PERV	5	60	10			
P	30.58	45.72	15.14		GSTN	36		36			PROP	5	DISS	2	2	TR	5		
N	33.90	34.16	0.26		FAUL								GOUG						
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-4	JUL/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	25.91	26.31	89098	0.026	1.02	0.25					
A	26.31	27.61	89058	1.604	1.66	2.13					
A	27.61	28.96	89096	0.003	0.06	0.15					
A	28.96	30.28	89097	0.003	0.04	0.12					
A	30.28	30.58	89059	0.141	0.64	1.12					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-5	NQ	JULY 20/90	JULY 21/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5126.84	4944.75	1354.72	023		-45	70.1	5130	4930	1

I	DEPTH	TRUE AZ	DIP
S	70.10	023	-50.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	3.05	3.05		OVER														
P	3.05	62.50	59.45		GSTN														
N	3.05	17.52	14.47			36		36			PROP	2	DISS	2	1				
N	17.52	19.28	1.76			56		36SH		2	QZCB	4	MIVN				10	15	
N	30.33	52.45	22.12			36		36			PROP	3	MIVN	1	1		5	5	
N	52.45	53.25	0.80			3AG		4G			PROP	2	DISS	3	1	TR			
N	53.77	54.33	0.56		SLXX								MASS	15	60	5			
N	54.33	62.50	8.17		GSTN	36		36			PROP		DISS	5	5	4			
P	62.50	64.02	1.52		HYPH	26		36			SERP	7	DISS	3	2	TR			
P	64.02	70.10	6.08		SERP	N		36SH		4									
N	64.02	65.84	1.82		FAUL								GOUG						
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ASSAY RECORD

PROPERTY		HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN	CROWN	GCS 90-5	JUL/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	53.77	54.33	B9060	1.037	1.26	2.12					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-6	NQ	JULY 21/90	JULY 21/90	W.ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5144.13	4911.75	1354.39	023		-80	70.0	5145	4910	1

I	DEPTH	TRUE AZ	DIP
S	70.10	023	-81.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	1.22	1.22		OVER														
P	1.22	64.50	63.28		GSTN	36		26JT		1	PROP	4	DISS	2	1		5		EP
N	8.23	11.28	3.05								EPID	3							
N	24.99	25.39	0.40					SH		7	TALC								
N	64.35	64.50	0.15								EPID	3							
P	64.50	65.77	1.27		HYPH	26		36SH		5	SERP	4							
P	65.77	70.12	4.35		SERP	N		36SH		5			DISS	1	1				
N	66.79	68.29	1.50					SH		9	PROP		DISS	10	3				GOUG
N	68.29	70.12	1.83																
N	68.69	68.96	0.27		SLXX								BAND	10	40				
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ASSAY RECORD

PROPERTY		HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN		GCS 90-6	JUL/90	W. ROBB	OF

	I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
	A	66.79	68.29	89061	.122	0.10	0.15					
	A	68.29	68.69	89093	.061	0.02	0.04					
	A	68.69	68.96	89062	.101	0.06	0.12					
	A	68.96	70.12	89094	.006	0.01	0.01					

DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-7	NQ	JULY 21/90	JULY 21/90	W.ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5145.40	4911.82	1354.45	023		-45	60.00	5145	4910	1

I	DEPTH	TRUE AZ	DIP
S	60.96	023	-48.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	3.05	3.05		OVER														
P	3.05	28.96	25.91		GSTN	4AG		3G			PROP	3	DISS	2	1	TR			
P	28.96	29.36	0.40		SLXX								BAND	10	35	TR			
P	29.36	38.11	8.75		GSTN	4AG		3G			PROP	3	DISS	3	2	TR			
P	38.11	53.60	15.49		DIOR	5AG		5G			SILI	3	DISS	2	2	TR			
N	50.60	50.80	0.20		SLXX								BAND	10	45				
P	53.60	60.00	6.40		GSTN	4G		3G			PROP	3	DISS	3	2				
N	54.80	55.00	0.20		SLXX								BAND	10	40	TR			
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-7	JUL/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	28.96	29.36	89063	.042	0.19	0.32					
A	50.60	50.80	89064	.084	0.23	0.64					
A	55.80	56.00	89065	.059	0.37	0.76					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-8	NQ	JULY 22/90	JULY 22/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5124.89	4859.05	1357.62	023		-45	54.86	5125	4865	1

I	DEPTH	TRUE AZ	DIP
S	54.86	023	-52.50

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	9.14	9.14		OVER														
P	9.14	14.02	4.88		GSTN	4AG		36			SILI	3	DISS	1	1		10		
N	12.72	14.02	1.30								SILI	7							
P	14.02	14.28	0.26		CAVN						OXID		DISS	5	5			50	LIM,ANK
P	14.28	27.48	13.20		GSTN	36		36					DISS	1	1				
N	19.52	20.12	0.60					SH			SILI	4	MAVN	1	1		40		
P	27.48	27.90	0.42		QZVN								MASS	10	60	TR			
P	27.90	54.86	26.96		GSTN	36		36			PROP	3	DISS	1	1		10	5	EP
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-8	JUL/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	14.02	14.28	89066	.002	0.01	0.04					
A	27.48	27.90	89067	.121	0.20	0.47					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-9	NQ	JULY 24/90	JULY 25/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5118.21	4814.80	1359.35	023		-87	'87.05	5115	4820	1

I	DEPTH	TRUE AZ	DIP
S	87.05	023	-86.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	2.40	2.40		OVER														
P	2.40	37.19	34.79		GSTN	26		3GBK			PROP	4	DISS	1	1		5		
N	2.40	5.90	3.50					BK		8									
N	15.89	16.83	0.94								SILI	8	BLEB	3	2				
N	16.88	37.19	20.31								PROP	5	DISS	1	1		5		
P	37.19	55.33	18.14		DIOR	4AG		56			SILI	3	DISS	3	3				
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-9	JUL/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%ON	%OM	GM.AU/	GM.AG/
A	15.89	16.88	89071	0.002	0.01	0.01					
A	49.70	50.00	89072	0.006	0.01	0.01					
A	55.33	57.01	89073	0.023	0.01	0.01					
A	57.01	58.23	89074	0.004	0.01	0.01					
A	58.23	58.50	89075	2.495	0.19	0.29					
A	80.50	81.95	89076	0.005	0.01	0.05					
A	81.95	83.45	89077	0.016	0.01	0.08					
A	83.45	84.15	89078	0.001	0.01	0.03					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-10	NQ	JULY 23/90	JULY 24/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5118.78	4814.72	1359.65	023		-45	79.55	5115	4820	1

I	DEPTH	TRUE AZ	DIP	OF
S	71.02	023	-51.00	1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	1.82	1.82		OVER														
P	1.82	8.08	6.26		GSTN	3G		3GBK		9	PROP	5	DISS	1	1		3		
N	1.82	3.66	1.84	62				BK		10									
N	5.64	7.01	1.37	72				BK		10									
N	7.01	8.08	1.07	37				BK		10									
P	8.08	8.84	0.76		QZVN	W					OXID		BAND	TR					LIM,MAL
P	8.84	73.47	64.63		GSTN	3G		3G			PROP	5	DISS	1	1				
N	8.84	23.78	14.94					3GBK		8									
N	11.98	12.26	0.28		SLXX								MIVN	1	3				LIM
N	17.48	17.52	0.04		SLXX						OXID	5	BAND	5	20				
N	23.78	48.17	24.39			3G		3GFR		5	PROP	7	DISS	3	1		10		
N	33.92	33.93	0.01		CAVN													90	ANK
N	50.42	51.52	1.10					SH		5	SILI	7	DISS	3	2		10		
N	56.40	73.47	17.07		GSTN	3G		3GSH		5	SILI	5	DISS	3	2		10		EP
P	73.47	79.55	6.08		DIOR	4AG		5GSH		6	SILI	6	DISS	3	2		10		EP
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-10	JUL/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	8.08	8.64	89068	.013	0.01	0.08					
A	11.98	12.26	89069	.001	0.01	0.04					
A	17.48	17.52	89070	.004	0.01	0.07					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS-90-11	NQ	JULY 26/90	JULY 27/90	G. FORD

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5139.18	4775.19	1356.40	023		-45	66.77	5135	4780	1

I	DEPTH	TRUE AZ	DIP	HOLE ENDS IN STOPE OR DRIFT	DF
S	66.77	023	-48.50		1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	4.88	4.88		OVER														
P	4.88	10.40	5.52	100	GSTN	SG		MA											
P	10.40	14.50	4.10	80	GSBX	SG		BR			CHLR	3							
P	14.50	20.80	6.30	100	GSTN	SG		MA											
P	20.80	24.20	3.40	90	GSTN	SG		FR											
P	24.20	35.25	11.05	100	GSTN	SG		MA											
N	31.45	31.70	0.25					SH	80		CHLR	3		5			5		LIM
N	33.05	33.06	0.01										PATC		10				
P	35.25	36.00	0.75	100	GSTN	7G		BR					DISC	3					
P	36.00	41.70	5.70		GSTN	3G		SG			CHLR	3							
P	41.70	55.50	13.80	100	GSTN			2GMA											
N	50.75	51.10	0.35					BR			BLCH								
P	55.50	57.60	2.10	90	GSTN	SG		2GBK											
P	52.60	61.30	8.70	100	GSTN	7G		3G			CHLR	4	MIVN					10	
P	61.30	66.40	5.10	100	GSTN	SG		3G											
P	66.40	66.77	0.37	100	GSTN	7G		BR			CHLR	3							
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-12	NQ	JULY 28/90	JULY 28/90	G. FORD

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5128.82	4760.71	1358.80	027		-45	71.02	5128.5	476B	1

OF 1

I	DEPTH	TRUE AZ	DIP
S	71.02	027	-51.00

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	2.00	2.00		OVER														
P	2.00	71.03	69.03	99	GSTN	56		36MA											
N	14.60	14.90	0.30					FR											
N	27.70	28.00	0.30								CHLR	5	MIVN						LIM
N	59.90	60.30	0.40								BLCH		DISC	2	2				
N	60.95	61.15	0.20					FR											
N	63.40	63.50	0.10					SH		6									
N	64.90	65.30	0.40					SH		7									
N	68.40	68.60	0.20					SH		6									
N	70.40	71.03	0.63					SH		8									
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-12	JUL/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	27.70	28.00	89082	.003	0.02	0.03					
A	59.90	60.30	89083	.002	0.01	0.02					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-13	NQ	JULY 28/90	JULY 29/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5127.41	4760.66	1358.89	023		-90	84.74	5128.5	'4768	1

I	DEPTH	TRUE AZ	DIP
S	84.74	023	-88.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	1.82	1.82																
P	1.82	84.75	82.93		GSTN	3G		3GJT		3	PROP	6	DISS	1	1				
N	1.82	9.60	7.78					BK		7									
N	9.60	10.07	0.47		QZBR			BR			SILI	6	BLEB	3	1		5		LIM
N	10.07	11.43	1.36					BK											
N	11.43	11.87	0.44								SILI	5	STWK						
N	14.94	16.46	1.52					BK			OXID	8							
N	18.42	18.78	0.36		QZVN			BK		8	OXID	8	MAVN	30					
N	26.12	26.70	0.58								SILI		STWK						
N	34.80	51.40	16.60								QZCB	3	MAVN				5	60	ANK
N	56.59	56.92	0.33								BLCH	2	BLEB						
N	70.94	72.99	2.05								BLCH		BLEB						
N	78.15	78.48	0.33								BLCH	8	BLEB	3	2		10	10	
N	79.46	79.66	0.20								BLCH	6	BLEB	1	1		10	5	
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-13	JUL/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/TON	OZAG/TON	% CU	%ZN	%ON	%OM	GM.AU/	GM.AG/
A	9.60	10.07	89084	.001	0.01	0.03					
A	11.43	11.87	89085	.001	0.01	0.28					
A	18.42	18.78	89086	.051	0.13	0.01					
A	26.12	26.70	89087	.001	0.01	0.01					
A	56.59	56.92	89088	.001	0.01	0.01					
A	70.94	72.56	89089	.001	0.01	0.01					
A	72.56	72.99	89090	.001	0.01	0.01					
A	78.15	78.48	89091	.002	0.05	0.02					
A	79.46	79.66	89092	.001	0.01	0.04					

DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-14	NQ	JULY 30/90	JULY 30/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5118.04	4776.09	1359.68	023		-78	85.67	5115	4785	1

	DEPTH	TRUE AZ	DIP	OF
S	85.65	023	-80.00	1

	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	BZ	CC	OTHER
P	0.00	3.05	3.05		OVER														
P	3.05	17.68	14.63		GSTN	3G		3GBK		8	PROP	7	DISS	TR	TR		10	5	
N	10.98	11.68	0.70								SILI	7							
N	15.55	16.66	1.11								BLCH			5	TR				LIM
N	16.90	17.68	0.78								BLCH			TR					LIM
P	17.68	85.67	67.99		GSTN	3G		3G			PROP	7		TR					
N	18.75	19.00	0.25		QZVN														
N	29.07	29.27	0.20		CAVN								MIVN					100	
N	30.18	30.47	0.29		BRXX						CHLR								
N	35.17	36.44	1.27										MIVN	3	1				
N	41.46	41.77	0.31		BRXX						CHLR								
N	49.04	49.37	0.33								BLCH		MAVN						LIM
N	52.60	52.80	0.20		CAVN														
N	56.91	57.41	0.50								CHLR		PERV	5	2				CL
N	58.30	58.33	0.03		CAVN		30											100	
N	59.18	59.22	0.04		CAVN		60											100	LIM
N	60.63	63.11	2.48								CHLR		PERV	5			40	10	CL
N	65.45	65.80	0.35		CAVN									3	1	TR		30	
N	65.80	66.16	0.36								BLCH		DISS	3	1	TR			
N	81.17	81.60	0.43		CAVN						BLCH								
N	81.60	83.10	1.50								BLCH								
N	83.10	84.60	1.50								BLCH		DISS	TR			40		
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-14	JUL/90	M. ROBB	OF

	I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
	A	15.55	16.66	89099	.016	0.10	0.06					
	A	16.90	17.68	89100	.001	0.10	0.03					
	A	29.07	29.27	89101	.001	0.08	0.02					
	A	30.18	30.47	89012	.001	0.04	0.03					
	A	35.17	36.44	89103	.003	0.08	0.02					
	A	41.46	41.77	89104	.001	0.12	0.08					
	A	49.04	49.37	89105	.001	0.05	0.02					
	A	56.91	57.41	89106	.001	0.09	0.10					
	A	59.00	59.39	89107	.001	0.07	0.02					
	A	60.63	62.13	89108	.001	0.06	0.02					
	A	62.13	63.11	89109	.001	0.07	0.03					
	A	65.45	65.80	89110	.002	0.11	0.11					
	A	65.80	66.16	89111	.001	0.05	0.02					
	A	81.17	81.60	89112	.001	0.06	0.02					
	A	81.60	83.10	89113	.001	0.08	0.02					
	A	83.10	84.60	89114	.001	0.04	0.02					

DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-15	NQ	JULY 30/90	JULY 31/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5120.40	4796.14	1359.14	023		-50	72.86	5109	4800	1

I	DEPTH	TRUE AZ	DIP
S	72.84	023	-50.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	2.34	2.34																
P	2.34	12.75	10.41		GSTN			3GBK		9	OXID								
N	2.34	9.15	6.81	75				BK		10	OXID	8							
N	11.57	12.75	1.18								OXID	8							LIM,MAL
P	12.75	72.86	60.11		GSTN	36													
N	26.89	27.16	0.27					SH		8	OXID	8							LIM
N	56.49	57.02	0.53		BRXX						SILI	7							
N	57.60	57.90	0.30		BRXX						SILI	7							
N	61.37	62.80	1.43					BK			BLCH								
N	59.00	59.45	0.45								BLCH								LIM
N	63.30	63.60	0.30		FAUL			SH											
N	63.60	72.86	9.26		GSTN	3AG		SH					DISS	3	1				
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-15	AUG/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	11.57	12.75	89115	.002	0.02	0.03					
A	26.89	27.16	89116	.001	0.06	0.05					
A	56.49	57.02	89120	.001	0.07	0.02					
A	57.60	57.90	89117	.001	0.07	0.06					
A	61.37	62.80	89119	.001	0.04	0.02					
A	59.00	59.45	89118	.001	0.04	0.03					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-16	NQ	AUG 1/90	AUG 2/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5407.640	4591.577	1311.02	045		-45	65.53	46610	46700	1

I	DEPTH	TRUE AZ	DIP	DF
S	64.62	045	-52.00	1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	3.05	3.05		OVER														
P	3.05	9.45	6.40		GSTN	3G		3G			PROP	6	DISS	5	3		10		LIM
P	9.45	9.85	0.40		QZVN								MASS				90		
P	9.85	11.40	1.55		GSTN	3AG		3GSH			ARGL	4							
N	9.85	10.67	0.82								ARGL	8	MAVN				80		
P	11.40	11.88	0.48		QZVN								MASS	5	1		90		
P	11.88	17.80	5.92		GSTN	3G		3GFL			PROP	5	MIVN	10	3		20		
P	17.80	18.34	0.54		SLVN								MASS	10	60	20			
P	18.34	21.74	3.40		GSTN	3G		3G			PROP	5	MIVN				80		
P	21.74	21.84	0.10		QZVN														
P	21.84	22.73	0.89		GSTN						BLCH								
P	22.73	65.53	42.80		GSTN	3G		3G			PROP	5	DISS	5	5	TR			
N	33.88	36.75	2.87								BLCH		PERV	10	5		10		
N	43.90	44.70	0.80								BLCH		DISS	5	5				
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-16	AUG/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	9.45	9.85	89121	.001	0.06	0.01					
A	9.85	10.67	89122	.001	0.03	0.03					
A	11.40	11.88	89123	.001	0.04	0.03					
A	17.80	18.34	89124	.084	2.50	6.23					
A	33.83	35.27	89125	.001	0.06	0.02					
A	35.27	36.75	89126	.001	0.07	0.08					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-17	NQ	AUG 2/90	AUG 3/90	W.ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	4982.74	5175.54	1333.80	045		-45	68.29	46425	47400	1

I	DEPTH	TRUE AZ	DIP	OF
S	68.28	045	-51.00	1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	6.10	6.10		OVER														
P	6.10	60.97	54.87	97	SERP	N		36SH		7	EPID	7	MIVN						EP,TC
N	18.00	38.24	20.24					BK		9	EPID	8							
N	46.95	49.10	2.15					BKSH		10	EPID								GOUGE
N	54.60	60.97	6.37					BKSH		10	EPID								GOUGE
P	60.97	62.50	1.53		HYPH	2NG		36			SERP								
P	62.50	67.19	4.69		DIOR	3A		56			SILI	3	MIVN				30		
P	67.19	68.29	1.10		SERP	N		36		3	EPID	3							
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-18	NQ	AUG 3/90	AUG 3/90	W.ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5092.01	5131.33	1334.54	023		-50	47.25	5090	5040	1

I	DEPTH	GRIDAZ	DIP	OF
S	47.25	000	-50	1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	3.04	3.04		OVER														
P	3.04	10.80	7.76	98	DIOR	3AG		56BK			PROP	6	MIVN	TR			50		
P	10.80	11.00	0.20		QZVN								MAVN				80		CL
P	11.00	30.42	19.42		DIOR	5AG		5G			PROP	6							
N	11.00	17.38	6.38					BK		9			GOUG						
P	30.42	30.73	0.31		QZVN								MAVN				80		LIM
P	30.73	34.45	3.72		DIOR	5AG		5GJT		3	SILI	6							
P	34.45	34.55	0.10		CAVN													100	
P	34.55	47.25	12.70		DIOR	5AG		5GJT		3	PROP	5	DISS	TR	TR				
N	35.06	35.83	0.77		SLXX								PERV	10	3	TR	10		LIM
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE OF
GOLDEN CROWN	GCS 90-18	AUG/90	W. ROBB	

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	10.80	11.00	89127	.001	0.03	0.01					
A	30.42	30.73	89128	.001	0.01	0.01					
A	35.06	35.83	89129	.002	0.03	0.03					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-19	NQ	AUG 3/90	AUG 4/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5037.71	5313.11	1318.13	023		-50	56.08	5040	5020	1

I	DEPTH	TRUE AZ	DIP
S	53.65	023	-55.00
S	56.08	023	-50.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	1.22	1.22		OVER														
P	1.22	15.45	14.23		GSTN	36		36BK		8	PROP	7	DISS	TR	TR		10		
P	15.45	15.72	0.27		QZVN			BK		9							60		LIM
P	15.72	20.61	4.89		GSTN	36		36BK		6	PROP	5	DISS	TR	TR		20		
N	17.76	18.16	0.40		SLXX								BLEB	10	2				
N	18.46	18.53	0.07		SLVN								MASS	15	3				
N	18.85	18.92	0.07		SLXX								PERV	10	5				
P	20.61	21.87	1.26		QZVN								MASS	70	5		10		
P	21.87	56.08	34.21		GSTN	36		2GMA		6	PROP	5	DISS	3	1		10		
N	24.10	24.20	0.10		SLXX								BLEB						
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ASSAY RECORD

PROPERTY		HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN		GCS 90-19	AUG/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	15.45	15.72	89130	.010	0.09	0.07					
A	17.76	18.16	89131	.005	0.03	0.04					
A	18.46	18.53	89132	.002	0.03	0.15					
A	18.85	18.92	89133	.002	0.04	0.04					
A	20.61	21.87	89134	.002	0.05	0.20					
A	24.10	24.20	89135	.004	0.08	0.07					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-20	NQ	AUG 4/90	AUG 5/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5547.98	4003.03	1307.75	045		-45	62.80	46525	46100	1

I	DEPTH	TRUE AZ	DIP
S	62.48	045	-48.00

DF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	4.27	4.27		OVER														
P	4.27	15.87	11.60		GSTN	36		36JT		5	PROP	5	MIVN	10				10	
N	4.27	7.92	3.65	75				BK		8	PROP	5	MIVN	25	2			15	
P	15.87	16.33	0.46		CAVN	W							MASS	55	5			40	
P	16.33	62.80	46.47		GSTN	36		36JT		4	PROP	5	DISS	5					
N	33.60	34.15	0.55					56											
N	51.68	51.93	0.25		SLXX								PERV	30	3				
N	53.35	53.66	0.31		SLXX								PERV	60	3				
N	53.66	57.23	3.57					56					DISS	5	5				
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-20	AUG/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	15.87	16.33	89136	.007	0.04	0.02					
A	51.68	51.93	89137	.026	0.26	0.23					
A	53.35	53.66	89138	.210	0.07	0.05					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-21	NQ	AUG 5/90	AUG 6/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5252.98	3844.52	1326.76	225		-45	64.02	46180	46050	1

I	DEPTH	TRUE AZ	DIP
S	63.70	225	-51.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	3.05	3.05		OVER														
P	3.05	13.45	10.40		GSTN	36		36			PROP	6	DISS	7		TR			
N	3.05	10.37	7.32					BK		8									
N	4.88	6.40	1.52					BK					DISS	10		1			BN
N	7.93	8.35	0.42					BK		7	OXID	7	MIVN	15		TR			
N	12.82	13.45	0.63		ENVL						SILI	7	MIVN	10					
P	13.45	13.75	0.30		QZXX			BR			SILI	8	MAVN	15			40		
P	13.75	29.90	16.15		GSTN	36		36JT		3	PROP	6	DISS	1					
N	13.75	14.99	1.24										MIVN	15			30		
N	16.12	16.46	0.34		BRXX			BR		4			BLEB	10					
P	28.90	29.15	0.25		SLVN		45						MASS	95			5		
P	29.15	30.16	1.01		GSTN			BR			SILI		DISS	1					
P	30.16	64.02	33.86		GSTN	36		36JT		4	PROP	4	DISS	1					
N	35.64	36.33	0.69					BD			SILI	9	MIVN	15		TR	10		
N	36.98	37.39	0.41					BD			SILI	8	MIVN	20		TR	10		
N	43.68	44.21	0.53		BRXX			BR			EPID	5	BLEB	10					
N	48.47	49.00	0.53		CAVN		10												
N	62.50	62.60	0.10		CAVN		15												
N	63.27	63.50	0.23					BD			SILI	8	BLEB	10			10		
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ASSAY RECORD

PROPERTY		HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN	CROWN	GCS 90-21	AUG/90	W. ROBB	OF

	I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%ON	%OM	GM.AU/	GM.AG/
	A	4.88	6.40	89139	.001	0.13	0.02					
	A	7.93	8.35	89140	.002	0.03	0.06					
	A	12.82	13.45	89141	.001	0.04	0.10					
	A	13.45	13.75	89142	.001	0.04	0.26					
	A	13.75	14.99	89143	.001	0.25	0.03					
	A	16.12	16.46	89144	.001	0.01	0.01					
	A	28.90	29.15	89145	.030	0.35	0.92					
	A	29.15	30.16	89146	.002	0.06	0.12					
	A	35.64	36.53	89147	.001	0.04	0.04					
	A	36.98	37.39	89148	.004	0.27	0.76					
	A	43.68	44.21	89149	.001	0.02	0.01					
	A	63.27	63.50	89150	.002	0.03	0.04					

DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-22	NQ	AUG 6/90	AUG 7/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	4937.64	3703.65	1321.02	045		-45	64.02	45825	45000	1

	DEPTH	TRUE AZ	DIP	OF
S	64.01	045	-49.00	1

	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	3.96	3.96		OVER														
P	3.96	7.15	3.19		DIOR	56		5GHT			SILI	8	DISS	1					
P	7.15	7.42	0.27		HYPH	36		36SH			SILI	8	BLEB	TR					
P	7.42	9.20	1.78		GSTN	36		36			PROP	7	DISS	TR					
P	9.20	16.43	7.23		DIOR	36		56			PROP	8	DISS	3					
N	12.52	12.70	0.18		CAVN								BLEB	2					
P	16.43	16.90	0.47		GSTN	36		36			PROP	7	DISS	2					
P	16.90	26.71	9.81		DIOR	5A6		56			SILI	6	DISS	2					
N	17.87	18.50	0.63								BLCH	4							
N	22.10	22.60	0.50										BAND	5			40		
P	26.71	32.01	5.30		GSTN	36		3GMA			PROP	7	DISS	2					
P	32.01	36.79	4.78		DIOR	5A		56			SILI	5	DISS	2					
N	33.68	34.06	0.38		QZVN														
P	36.71	64.02	27.31		GSTN	3G		3GJT		1	PROP	5	DISS	3		TR	25		
N	46.60	46.92	0.32								BLCH		BAND	10					
N	47.60	48.03	0.43								BLCH		BAND	10					
N	51.10	51.80	0.70		QZVN						BLCH		BLEB	10	2	TR			
N	51.80	64.02	12.22								SERP	6							
N	54.30	54.54	0.24		QZVN								BLEB	10		TR			
N	55.40	55.60	0.20		QZVN								BLEB	5		TR			
N	55.95	56.15	0.20		QZVN								BLEB	5		TR			
N	52.20	52.80	0.60			5A		56											
N	61.28	61.47	0.19		QZVN								BLEB	5		3			
N	63.62	64.02	0.40		QZXX						BLCH		BLEB	5		3			
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ASSAY RECORD

PROPERTY		HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN		GCS 90-22	AUG/90	W. ROBB	OF

	I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
	A	7.15	7.42	89151	.001	0.01	0.07					
	A	12.52	12.70	89152	.001	0.02	0.01					
	A	22.10	22.60	89153	.001	0.01	0.03					
	A	46.60	46.92	89154	.001	0.01	0.02					
	A	47.60	48.03	89155	.001	0.01	0.01					
	A	51.10	51.80	89156	.001	0.02	0.03					
	A	54.30	54.54	89157	.002	0.08	0.25					
	A	55.40	55.60	89158	.001	0.02	0.05					
	A	55.95	56.15	89160	.001	0.02	0.05					
	A	61.28	61.47	89161	.001	0.03	0.04					
	A	63.62	64.02	89162	.001	0.02	0.05					

DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-23	NQ	AUG 8/90	AUG 9/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	4932.51	4288.34	1377.08	045		-45	39.63	46525	46600	1
										OF 1

I	DEPTH	TRUE AZ	DIP
S	36.58	045	-51.00

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	1.89	1.89		OVER														
P	1.89	6.55	4.66	95	GSTN	36		36BK		8	PROP	7	DISS	TR					
	6.55	39.63	33.08	98	DIOR	8G		46HM			SILI	3							
	6.55	13.72	7.17					BK		6									
	24.08	29.57	5.49					BK		8									
	25.10	25.30	0.20					SH			ARGL	7							
	34.00	34.10	0.10										BLEB	3					
	34.30	35.20	0.90		SHZN			SH		8	ARGL	4	DISS	10			60		
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-23	AUG/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	25.10	25.30	89163	.001	0.02	0.01					
A	34.30	35.20	89164	.001	0.05	0.01					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-24	NQ	AUG 9/90	AUG 10/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5261.43	3789.91	1311.02	210		-47	60.65	46075	46100	1

I	DEPTH	GRIDAZ	DIP
S	60.65	187	-47.00

DF
1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	1.22	1.22		OVER														
P	1.22	29.27	28.05		GSTN	SAG		36JT		3	SILI	7	MIVN	5		TR	80		
N	5.79	6.23	0.44										BLEB	10	1				
N	9.23	10.15	0.92					26BR			SILI	9	FRFL	7	1		40		
N	10.98	11.31	0.33					2G			SILI	8	MIVN	4	8	1	10		
N	11.92	12.42	0.50					26			SILI	8	MIVN	3	8	2	10		
N	14.28	15.24	0.96					26			SILI	8	MIVN	1	3	TR			
N	15.57	16.25	0.68					26			SILI	8	MIVN	1	3				
N	19.48	19.82	0.34					26			SILI	8	MIVN	10		TR	10		
N	21.32	21.95	0.63					26			SILI	8	MIVN	7			10		
N	24.39	26.60	2.21					5G											
N	28.45	29.27	0.82					BR			SILI	8	FRFL						
P	29.27	29.60	0.33		QZVN						BLCH		BLEB	1		8	90		
P	29.60	61.28	31.68		GSTN	3AG		36JT			SILI	7	MIVN	3			90		
N	44.21	44.45	0.24		QZVN								NAVN	15			40		
N	45.02	45.52	0.50					SH					BAND	15		2			
N	48.18	48.28	0.10		SLVN								MASS	10	7	TR			
N	60.50	60.65	0.15								BLCH		BLEB	3	3				
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-24	AUG/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	5.79	6.23	89165	.004	0.04	0.23					
A	9.23	10.15	89166	.001	0.02	0.02					
A	10.98	11.31	89167	.001	0.01	0.02					
A	11.92	12.42	89168	.001	0.02	0.05					
A	14.28	15.24	89169	.001	0.01	0.01					
A	15.57	16.25	89170	.001	0.02	0.01					
A	19.48	19.82	89171	.001	0.02	0.05					
A	21.32	21.95	89172	.001	0.02	0.04					
A	28.45	29.27	89173	.001	0.02	0.01					
A	29.27	29.60	89174	.001	2.05	0.14					
A	44.21	44.45	89175	.004	0.02	0.19					
A	45.02	45.52	89176	.007	0.08	0.14					
A	48.18	48.28	89177	.005	0.05	0.28					
A	60.50	60.65	89178	.001	0.02	0.06					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-25	NQ	AUG10/90	AUG11/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5303.30	4350.10	1327.31	045		-50	50.0	46420	46500	1

I	DEPTH	GRIDAZ	DIP
S	50.03	022	-50.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	6.10	6.10		OVER														
P	6.10	23.53	17.43		DIOR	5A		56JT		5	SILI	5	DISS	3	2				
P	23.53	24.61	1.08		HYPH			SH		8	ARGL	5	BLEB	10		5	10		
P	24.61	29.03	4.42		GSTN	36		36JT		4	SILI	5	DISS	6		TR			
N	24.89	25.91	1.02								BLCH	8	BLEB	10			10		
N	27.20	28.73	1.53								BLCH	8	MIVN	10		5	10		
P	29.03	29.41	0.38		SLVN								MASS	80					
P	29.41	39.30	9.89		GSTN	36		36JT		5	SILI	5	DISS	5	1				
P	39.36	41.86	2.50		SLVN								MASS	60	20	10	10		
P	41.86	50.00	8.14		GSTN	36		36JT		4	SILI	5	DISS	3	2				
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-25	AUG/90	W. ROBB	OF

	I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%ZN	GM.AU/	GM.AG/
	A	23.53	24.61	89179	.027	6.86	0.22				
	A	24.89	25.91	89180	.002	0.93	0.06				
	A	27.20	28.73	89181	.014	1.17	0.71				
	A	29.03	29.41	89182	.026	0.35	0.33				
	A	39.36	40.86	89183	.353	1.43	3.64				
	A	40.86	41.86	89184	.630	1.64	11.54				

DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-26	NQ	AUG 11/90	AUG 11/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5337.71	4349.77	1324.97	045		-50	50.0	46450	46490	1

I	DEPTH	GRIDAZ	DIP
S	50.00	022	-50.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	ST6S	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	6.10	6.10		CASE														
P	6.10	31.10	25.00		GSTN	36		3GJT		3	SILI	4	MIVN	3			25		
N	7.51	9.62	2.11								SILI	7	MIVN						
N	10.50	10.90	0.40								BLCH	6	MIVN	TR			45		
N	11.64	11.74	0.10								BLCH	6	MIVN	TR			45		
N	15.70	15.90	0.20								BLCH	6	MIVN	3			45		
N	19.10	21.27	2.17								BLCH	3	MAVN	30		TR	25		
N	25.00	25.74	0.74			4AG		5G											
N	25.91	27.83	1.92								BLCH	3	MAVN	10		5	25		
P	31.10	31.55	0.45		SLVN								MASS	60					
P	31.55	60.00	28.45		GSTN	36		3GJT		2	SILI	6	MIVN	5			25		
N	33.80	35.30	1.50										MAVN	15		2			
N	38.11	39.40	1.29								SILI	5	MIVN	15		2	25		
N	39.55	40.55	1.00								SILI	8	MIVN	10			30		
N	42.30	43.33	1.03								SILI	8	MIVN	10		TR	20		
N	47.50	49.60	2.10								SILI	8	MIVN						
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-26	AUG/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	7.51	8.82	89185	.002	0.06	0.05					
A	8.82	9.62	89186	.002	0.04	0.05					
A	19.10	20.37	89187	.008	0.12	0.33					
A	20.37	21.27	89188	.001	0.08	0.06					
A	25.91	26.90	89189	.001	0.04	0.09					
A	26.90	27.83	89190	.004	0.05	0.17					
A	31.10	31.55	89191	.003	0.62	0.09					
A	33.80	35.30	89192	.002	0.03	0.12					
A	38.11	39.40	89193	.001	0.02	0.11					
A	39.55	40.50	89194	.002	0.01	0.01					
A	42.20	43.33	89195	.001	0.01	0.03					
A	47.50	48.76	89196	.001	0.01	0.01					
A	48.76	49.60	89197	.001	0.01	0.01					

DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-27	NQ	AUG 12/90	AUG 13/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5287.23	4210.69	1330.69	045		-50	60.0	46390	46400	1

I	DEPTH	TRUE AZ	DIP	OF
S	59.44	045	-55.00	1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	3.66	3.66		OVER														
P	3.66	5.56	1.90		GSTN	3G		3GJT			PROP	8	MIVN	5					
P	5.56	5.84	0.28		QZVN		45						MASS	60			30		
P	5.84	50.30	44.46		GSTN	3G		3GJT			PROP	5	MIVN	3			10		
N	15.00	16.20	1.20										MIVN	5	3		10		
N	16.77	17.67	0.90										MIVN	5		2			
N	18.00	19.12	1.12										MIVN	5	2				
N	20.90	21.74	0.84										BLEB	5	2		5		
N	23.57	24.90	1.33										MIVN	2	7	3	10		
N	25.12	25.43	0.31		QZVN		15						MAVN	3		8	90		
N	32.01	32.92	0.91								SILI	3	MIVN	10		7	30		
N	32.92	33.92	1.00								BLCH	5	BLEB	10	3	15	20		
N	33.92	35.92	2.00										MIVN	10		3	15		
N	35.92	37.25	1.33								BLCH		MAVN	20		5	30		
N	37.25	37.96	0.71								PROP		MIVN	3	5				
N	39.30	42.17	2.87								PROP	3	MIVN	3	5	TR	30		
N	42.17	45.07	2.90								SILI	4	MIVN	3	8	2			
N	46.24	47.77	1.53						BR	2	SILI	4	MIVN	4	6	TR	20		
P	50.30	60.00	9.70		DIOR	4A		5G			SILI	4	MIVN				40		
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-27	AUG/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	5.56	5.84	89029	.009	0.03	0.08					
A	15.00	16.20	89030	.001	0.01	0.03					
A	16.77	17.67	89031	.001	0.02	0.03					
A	18.00	19.12	89032	.001	0.01	0.02					
A	20.90	21.74	89033	.001	0.04	0.02					
A	23.57	24.90	89034	.001	0.01	0.02					
A	25.12	25.43	89035	.003	0.06	0.30					
A	32.01	32.92	89036	.003	0.09	0.39					
A	32.92	33.92	89037	.012	0.29	1.20					
A	33.92	35.92	89038	.001	0.02	0.06					
A	35.92	37.25	89040	.001	0.01	0.07					
A	37.25	37.96	89041	.001	0.01	0.04					
A	39.30	42.17	89042	.001	0.01	0.06					
A	42.17	43.62	89043	.001	0.02	0.05					
A	43.62	45.07	89044	.001	0.02	0.06					
A	46.24	47.77	89045	.001	0.01	0.04					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-28	NQ	AUG 12/90	AUG 12/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5152.66	4865.49	1353.03	023		-50	48.97	5150	5070	1

I	DEPTH	TRUE AZ	DIP
S	48.46	023	-55.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	3.05	3.05		OVER														
P	3.05	16.77	13.72		GSTN	3G		3GBK		4	PROP	3	DISS	3			10		
N	4.88	5.49	0.61	20															
N	7.62	10.67	3.05								SILI	3	MIVN	5			10	10	
P	16.77	20.13	3.36		DIOR	4AG		4GHM			SILI	4	DISS	3					
P	20.13	20.60	0.47		HYPH						CARB		BLEB	10				10	
P	20.60	21.60	1.00		CAVN						QZCB		BLEB	10	8	3	5	10	
P	21.60	23.50	1.90		GSTN	5G		4G			PROP	3	MIVN						
P	23.50	48.47	24.97		DIOR	4AG		4GJT		2	SILI	6	DISS	5			10		
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-28	AUG/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	7.62	9.15	89046	.001	0.01	0.01					
A	9.15	10.67	89047	.001	0.02	0.02					
A	20.13	21.60	89048	.022	0.14	0.39					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-29	NQ	AUG 13/90	AUG13/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5414.83	4540.68	1309.86	045		-50	60.97	46600	46650	1

I	DEPTH	TRUE AZ	DIP
S	59.74	045	-55.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	3.66	3.66		OVER														
P	3.66	20.88	17.22		GSTN	4G		4G			PROP	2	DISS	3					
N	8.23	17.17	8.94					2G					MIVN	2		TR	60		
N	17.17	20.88	3.71								BLCH	6	MIVN	8		TR	30		
P	20.88	21.49	0.61		QZVN								MASS	20		40	40		
P	21.49	31.71	10.22		GSTN	3G		3G			PROP	3	MIVN	5		TR	40		
N	21.49	22.36	0.87								BLCH	4	DISS	5		TR			
N	27.20	28.08	0.88		QZVN						BLCH	5	MIVN						
P	31.71	32.92	1.21		QZVN								MASS	5	10	50	35		
P	32.92	60.97	28.05		GSTN	4AG		3GJT		2	PROP	4	MIVN	5		TR	50		
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-29	AUG/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	Z CU	ZZN	ZOM	ZOM	GM.AU/	GM.AG/
A	17.17	18.10	89049	.002	0.09	0.19					
A	18.10	19.45	89050	SAMPLE WAS LOST							
A	19.45	20.88	89198	.004	0.10	0.30					
A	20.88	21.49	89199	.038	1.01	2.80					
A	27.20	28.08	89200	.003	0.07	0.10					
A	31.71	32.92	89201	.050	3.34	8.13					

DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-30	NQ	AUG 14/90	AUG 15/90	W. ROBB

Warren Robb

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5146.27	4845.73	1355.56	023		-50	50.3	5145	5050	1

I	DEPTH	TRUE AZ	DIP
S	50.29	023	-55.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	9.15	9.15		CASE														
P	9.15	13.40	4.25		GSTN	3G		3GBK		5	PROP	3	DISS	1			40		HB
P	13.40	13.72	0.32		SLXX								MASS	5	70	3	10		
P	13.72	15.14	1.42		GSTN	7G		3GSH		8	BLCH	7	MIVN				10	40	
P	15.14	21.00	5.86		DIOR	4AG		4GBK			SILI	2	DISS	1			5	5	
P	21.00	23.50	2.50		GSTN	4AG		3GSH					MIVN	1			10	20	
N	21.00	21.50	0.50		QZVN			SH		6	TALC	6	DISS	TR					
P	23.50	24.30	0.80		DIOR	4AG		4G			SILI	2	DISS	2			5	5	
P	24.30	27.90	3.60		GSTN	3G		3G			SILI	4	DISS	4			5	5	
P	27.90	31.10	3.20		DIOR	4AG		4G			PROP	3	DISS	2			5		
P	31.10	33.23	2.13		GSTN	2G		3G			PROP	2	MIVN	1			10	5	
P	33.23	36.39	3.16		DIOR	4AG		4G			PROP	2	DISS	5					
P	36.39	39.11	2.72		GSTN	3G		3G					MIVN				20		
N	36.39	37.34	0.95					SH		3	CHLR	2	BLEB	1	8	4	40		
N	38.38	39.15	0.77					SH		3	CHLR	4	BAND	3	8				
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ASSAY RECORD

PROPERTY		HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN	CROWN	GCS 90-30	AUG/90	W. ROBB	OF

	I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
	A	13.40	13.72	89202	.047	0.20	0.41					
	A	13.72	15.14	89203	.001	0.04	0.01					
	A	21.00	21.50	89204	.003	0.05	0.03					
	A	36.39	37.34	89205	.096	0.73	0.64					
	A	38.38	39.15	89206	.013	0.06	0.11					

DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-31	NQ	AUG 15/90	AUG 16/ 90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5302.78	4349.99	1327.46	045		-70	89.94	46420	46500	1

I	DEPTH	TRUE AZ	DIP
S	71.63	045	-74.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	6.10	6.10		CASE														
P	6.10	89.94	83.84		GSTN	36		36JT		4	SILI	5	DISS	5			10		
N	42.80	43.06	0.26		QZVN		10												
N	44.82	45.00	0.18		CAVN								BLEB						
N	50.30	51.54	1.24		SLXX								MASS	60			30		
N	51.54	53.35	1.81								BLCH		DISS	30					
N	53.35	54.73	1.38								BLCH		DISS	5					
N	54.73	55.83	1.10								BLCH		DISS	10					
N	55.83	61.70	5.87					SH		4	PROP	2	MIVN				20	20	
N	61.70	89.94	28.24					26			SILI	5	DISS	5					
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-31	AUG/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	44.88	45.00	89207	.001	0.03	0.08					
A	50.30	51.54	89208	.004	0.01	0.02					
A	51.44	53.35	89209	.004	0.07	0.22					
A	54.73	55.83	89210	.002	0.05	0.08					
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DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-32	NQ	AUG 16/90	AUG 17/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5358.41	4366.13	1321.72	225		-50	59.43	46425	46500	1

I	DEPTH	TRUE AZ	DIP
S	59.74	225	-61.50

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	3.66	3.66		OVER														
P	3.66	4.05	0.39		GSTN	36		36BK		4	PROP		DISS	5					
P	4.05	4.56	0.51		QZVN		30						BLEB	60		5	30		
P	4.56	14.57	10.01		GSTN	36		36BK		2	SILI	4	DISS	3		TR			
N	4.76	5.40	0.64		QZVN						SILI	3	MAVN	30		3	10		
N	6.06	6.64	0.58		QZVN						SILI	3	MAVN	30		3	10		
N	9.61	10.60	0.99								BLCH	4	MIVN	3		TR	20		
N	11.15	11.65	0.50								BLCH		BLEB	10		2	10		
P	14.57	16.06	1.49		QZVN		35						MASS	60		3	15		
P	16.06	19.54	3.48		GSTN	36		36			SILI	4	DISS	5		TR	*15		
P	19.54	19.95	0.41		SLVN		45						MASS	60		TR	*15		
P	19.95	49.90	29.95		GSTN	36		36JT		2	SILI	4	DISS	5			15		
N	26.23	30.84	4.61								BLCH	6	MIVN	3		TR	20		
N	36.38	37.24	0.86					BR		3	BLCH	6	FRFL	30		5	30		
P	44.90	45.50	0.60		QZVN		35						MASS	45		7	45		
P	45.50	48.35	2.85		GSTN	3AG		36			SILI	6	MIVN	5		TR	15		
N	46.93	47.88	0.95										BLEB	45		5	10		
P	47.88	56.00	8.12		DIOR	4AG		5GBK		3	SILI	6	DISS	5					
P	56.00	59.75	3.75		GSTN	36		36SH		2	PROP	4	MIVN	3			10		
N	57.15	59.43	2.28					BR		6	SILI	6	FRFL	5			35		
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ASSAY RECORD

PROPERTY		HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN		GCS 90-32	AUG/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%OM	GM.AU/	GM.AG/
A	4.05	4.56	89211	.066	0.71	2.01					
A	4.76	5.40	89212	.008	0.22	0.77					
A	6.06	6.64	89213	.014	0.20	0.69					
A	9.61	10.60	89214	.002	0.08	0.08					
A	11.15	11.65	89215	.019	0.69	2.14					
A	14.57	16.06	89216	.006	0.37	1.13					
A	19.54	19.95	89217	.063	3.30	11.26					
A	36.38	37.24	89218	.021	0.39	1.39					
A	44.90	45.50	89219	.144	0.81	1.37					
A	46.93	47.88	89220	.065	0.26	0.52					
A	57.15	58.38	89221	.005	0.07	0.11					
A	58.38	59.43	89222	.008	0.08	0.11					

DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-33	NQ	AUG 17/90	AUG 18/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5351.85	4390.35	1320.49	225		-50	60.0	46475	46525	1

I	DEPTH	TRUE AZ	DIP	OF
S	60.05	225	-54.00	1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	3.05	3.05		OVER														
P	3.05	11.20	8.15		GSTN	3G		36JT		2	PROP	3	mivn	2		TR			
N	3.96	4.72	0.76										mavn	20		2			
P	11.22	19.60	8.38		DIOR	4A6		56JT		3	SILI	4	diss	5		TR	10		
P	18.40	19.60	1.20										MAVN	40			5		
N	19.60	20.15	0.55		SLVN								MASS	85		TR			
P	20.15	24.40	4.25		GSTN	3G		36JT		2	PROP	3	MIVN	5		TR	10		
P	20.15	21.88	1.73										MAVN	40		TR			
N	24.40	24.69	0.29		QZVN								MASS	80					
N	24.69	33.50	8.81		GSTN	3G		36JT		2	SILI	3	MIVN	5			10		
P	28.68	29.44	0.76					SH		3	CARB	4	FRFL	60					
N	29.44	33.50	4.06								BLCH	5							
P	33.50	41.90	8.40		DIOR	4A6		56JT		1	SILI	3	DISS	5		TR	10		
N	33.59	34.04	0.45		SLXX								BLEB	10					
P	41.90	43.92	2.02		GSTN	3G		36JT		2	PROP	3	MIVN	5			10		
N	42.07	43.00	0.93										BAND	30		TR			
P	43.92	52.27	8.35		GSBR			BR		8	ARGL	4	FRFL	3					
N	49.00	49.66	0.66		GSTN														
N	50.05	50.61	0.56		GSTN														
P	52.27	60.00	7.73		GSTN	3G		36SH		2	TALC	2	DISS	5					
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-33	AUG/90	W. ROBB	OF

I	FROM	TO	SAMP.NO	OZAU/TON	OZAG/TON	% CU	%ZN	%ON	%OM	GM.AU/	GM.AG/
A	3.96	4.72	89223	.007	0.21	0.63					
A	18.40	19.60	89224	.096	0.28	0.62					
A	19.60	20.15	89225	.073	0.33	0.82					
A	20.15	21.02	89226	.012	0.09	0.16					
A	21.02	21.88	89227	.017	0.08	0.20					
A	24.40	24.69	89228	.059	0.21	1.03					
A	28.68	29.44	89229	.050	0.04	0.04					
A	33.59	34.04	89230	.058	0.12	0.23					
A	42.07	43.00	89231	.016	0.08	0.18					
A	43.92	45.22	89232	.003	0.10	0.10					
A	45.22	46.72	89233	.001	0.03	0.03					
A	46.72	48.07	89234	.001	0.06	0.02					
A	48.07	49.00	89235	.001	0.05	0.02					
A	50.95	52.27	89236	.001	0.04	0.02					

DRILL LOG

PROPERTY	HOLE NO.	SIZE	START	FINISH	GEOLOGIST
GOLDEN CROWN	GCS 90-34	NQ	AUG 21/90	AUG 22/90	W. ROBB

	LAT.	DEP.	ELEV.	TRUE AZ	GRID AZ	DIP	END	NORTHING	EASTING	PAGE
C	5364.37	4341.74	1324.01	225		-50	59.75	46475	46475	1

I	DEPTH	TRUE AZ	DIP
S	59.74	225	-53.00

OF 1

I	FROM	TO	LENGTH	REC	ROCK	COLR	IC	STGS	AD	IN	ALT	IN	MINH	PY	PO	CP	QZ	CC	OTHER
P	0.00	1.22	1.22		OVER														
P	1.22	9.15	7.93		GSTN	36		36BK		3	PROP	3	MIVN	5			5		
N	7.42	7.48	0.06		QZVN		40						BLEB	5		2	50		
P	9.15	9.67	0.52		DIOR	3A6		56			PROP	3	DISS	TR					
P	9.67	12.65	2.98		GSTN	36		36JT		2	SILI	2	MIVN	5					
P	12.65	12.82	0.17		DIOR	3A6		56			SILI	2	DISS	2					
P	12.82	13.77	0.95		GSTN	36		36JT		2	SILI	2	DISS	2					
P	13.77	15.00	1.23		DIOR	3A6		56			SILI	2	DISS	2					
P	15.00	52.42	37.42		GSTN	36		36JT		3	PROP	4	DISS	2			10		
N	20.58	21.25	0.67				25						BAND	10					
N	22.00	23.06	1.06		QZVN		35						BLEB	50		10	25		
N	29.17	29.48	0.31		QZVN		20						BLEB	10					
N	41.87	43.20	1.33		DR/D	36		56					DISS	5					
N	44.10	44.12	0.02		QZVN		30						BLEB	8		4	35	20	
N	48.40	48.92	0.52		SLXX								BLEB	50		10			
N	51.74	52.34	0.60		SLXX						BLCH	3	BLEB	30		TR	40		
P	52.42	59.75	7.33		DIOR	4A		5GJT		2	SILI	4	DISS	5			10		
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ASSAY RECORD

PROPERTY	HOLE NO.	DATE	SAMPLER	PAGE
GOLDEN CROWN	GCS 90-34	AUG/90	W. ROBB	Of

I	FROM	TO	SAMP.NO	OZAU/ TON	OZAG/ TON	% CU	%ZN	%OM	%ON	GM.AU/	GM.AG/
A	20.58	21.25	89237	.005	0.07	0.17					
A	22.00	23.06	89238	.136	0.47	1.10					
A	29.17	29.48	89239	.003	0.15	0.49					
A	7.30	7.65	89240	.002	0.05	0.20					
A	44.00	44.20	89241	.009	0.11	0.27					
A	48.40	48.92	89242	.007	0.17	0.50					
A	51.74	52.34	89243	.014	0.04	0.26					

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: JUL 23 1990

DATE REPORT MAILED: July 27/90

ASSAY CERTIFICATE

Attwood Gold Corp. PROJECT ATTWOOD GOLD CORP. FILE # 90-2738

100 - 450 W. Georgia St., Vancouver BC V6B 1Z3 Attn: W. ROBB

SAMPLE#	Cu %	Ag** oz/t	Au** oz/t
A 89051	.01	.02	.002
A 89052	.11	.24	1.143
A 89053	.22	.42	.166
A 89054	.14	.02	.010
A 89055	.03	.01	.005
A 89056	.05	.31	2.441
A 89057	.14	.06	.030
A 89058	2.13	1.66	1.604
A 89059	1.12	.64	.141
A 89060	2.12	1.26	1.037
A 89061	.15	.10	.122
A 89062	.12	.06	.101
A 89063	.32	.19	.042
A 89064	.64	.23	.084
A 89065	.76	.37	.059
STANDARD R-1/AG-1/AU-1	.82	.94	.104

AG** AND AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE REPORT MAILED: Aug. 6/90

ASSAY CERTIFICATE

Attwood Gold Corp. FILE # 90-2951
100 - 450 W. Georgia St., Vancouver BC V6B 1Z3 Attn: W. ROBB

SAMPLE#	Cu %	Ag** oz/t	Au** oz/t
A 89066	.04	.01	.002
A 89067	.47	.20	.121
A 89068	.08	.01	.013
A 89069	.04	.01	.001
A 89070	.07	.01	.004
A 89071	.01	.01	.002
A 89072	.01	.01	.006
A 89073	.01	.01	.023
A 89074	.01	.01	.004
A 89075	.29	.19	2.495
A 89076	.05	.01	.005
A 89077	.08	.01	.016
A 89078	.03	.01	.001
A 89079	.03	.01	.002
A 89080	.03	.03	.007
A 89081	.08	.03	.001
STANDARD R-1/AG-1/AU-1	.91	.97	.103

AG** AND AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 1 1990

DATE REPORT MAILED: Aug. 10/90

ASSAY CERTIFICATE

Attwood Gold Corp. FILE # 90-3081
100 - 450 W. Georgia St., Vancouver BC V6B 1Z3 Attn: W. ROSS

SAMPLE#	Cu %	Ag** oz/t	Au** oz/t
A 89082	.03	.02	.003
A 89083	.02	.01	.002
A 89084	.01	.01	.001
A 89085	.03	.01	.001
A 89086	.28	.13	.051
A 89087	.01	.01	.001
A 89088	.01	.01	.001
A 89089	.01	.01	.001
A 89090	.01	.01	.001
A 89091	.10	.05	.002
A 89092	.02	.01	.001
A 89093	.04	.02	.061
A 89094	.01	.01	.006
A 89095	.07	.03	.006
A 89096	.15	.06	.003
A 89097	.12	.04	.003
A 89098	.25	.10	.026
STANDARD R-1/AG-1/AU-1	.80	1.02	.098

AG** AND AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core

SIGNED BY. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 8 1990

DATE REPORT MAILED: Aug. 11/90.

ASSAY CERTIFICATE

Attwood Gold Corp. FILE # 90-3196
100 - 450 W. Georgia St., Vancouver BC V6B 1Z3

SAMPLE#	Cu %	Ag** oz/t	Au** oz/t
A 89099	.06	.10	.016
A 89100	.03	.10	.001
A 89101	.02	.08	.001
A 89102	.03	.04	.001
A 89103	.02	.08	.003
A 89104	.08	.12	.001
A 89105	.02	.05	.001
A 89106	.10	.09	.001
A 89107	.02	.07	.001
A 89108	.02	.06	.001
A 89109	.03	.07	.001
A 89110	.11	.11	.002
A 89111	.02	.05	.001
A 89112	.02	.06	.001
A 89113	.02	.08	.001
A 89114	.02	.04	.001
A 89115	.03	.02	.002
A 89116	.05	.06	.001
A 89117	.06	.07	.001
A 89118	.03	.04	.001
A 89119	.02	.04	.001
A 89120	.02	.07	.001
A 89121	.01	.06	.001
A 89122	.03	.03	.001
A 89123	.03	.04	.001
A 89124	6.23	2.50	.084
A 89125	.02	.06	.001
A 89126	.08	.07	.001
STANDARD R-1/AG-1/AU-1	.85	1.01	.097

AG** AND AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 10 1990

DATE REPORT MAILED: Aug. 16/90.

ASSAY CERTIFICATE

Attwood Gold Corp. FILE # 90-3367
100 - 450 W. Georgia St., Vancouver BC V6B 1Z3 Attn: W.ROBB

SAMPLE#	Cu %	Ag** oz/t	Au** oz/t
A 89127	.01	.03	.001
A 89128	.01	.01	.001
A 89129	.03	.03	.002
A 89130	.07	.09	.010
A 89131	.04	.03	.005
A 89132	.15	.03	.002
A 89133	.04	.04	.002
A 89134	.20	.05	.002
A 89135	.07	.08	.004
A 89136	.02	.04	.007
A 89137	.23	.26	.026
A 89138	.05	.07	.201
A 89139	.02	.13	.001
A 89140	.06	.03	.002
A 89141	.10	.04	.001
A 89142	.26	.04	.001
A 89143	.03	.25	.001
A 89144	.01	.01	.001
A 89145	.92	.35	.030
A 89146	.12	.06	.002
A 89147	.04	.04	.001
A 89148	.76	.27	.004
A 89149	.01	.02	.001
A 89150	.04	.03	.002
A 89151	.07	.01	.001
A 89152	.01	.02	.001
A 89153	.03	.01	.001
A 89154	.02	.01	.001
A 89155	.01	.01	.001
A 89157	.25	.08	.002
A 89158	.05	.02	.001
A 89159	.05	.02	.001
A 89160	.04	.03	.001
A 89161	.05	.02	.001
A 89162	.21	.08	.002
STANDARD R-1/AG-1/AU-1	.81	1.01	.095

AG** AND AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core

SIGNED BY. C. Leong, D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 16 1990

DATE REPORT MAILED: Aug. 23/90.

ASSAY CERTIFICATE

Attwood Gold Corp. FILE # 90-3492 Page 1
100 - 450 W. Georgia St., Vancouver BC V6B 1Z3

SAMPLE#	Cu %	Ag** oz/t	Au** oz/t
A 89029	.08	.03	.009
A 89030	.03	.01	.001
A 89031	.03	.02	.001
A 89032	.02	.01	.001
A 89156	.03	.02	.001
A 89163	.01	.02	.001
A 89164	.01	.05	.001
A 89165	.23	.04	.004
A 89166	.02	.02	.001
A 89167	.02	.01	.001
A 89168	.05	.02	.001
A 89169	.01	.01	.001
A 89170	.01	.02	.001
A 89171	.05	.02	.001
A 89172	.04	.02	.001
A 89173	.01	.02	.001
A 89174	.14	2.05	.001
A 89175	.19	.20	.004
A 89176	.14	.08	.007
A 89177	.28	.05	.005
A 89178	.06	.02	.001
A 89179	.22	6.86	.027
A 89180	.06	.93	.002
A 89181	.71	1.17	.014
A 89182	.33	.35	.026
A 89183	3.64	1.43	.353
A 89184	1.54	1.64	.630
A 89185	.05	.06	.002
A 89186	.05	.04	.002
A 89187	.33	.12	.008
A 89188	.06	.08	.001
A 89189	.09	.04	.001
A 89190	.17	.05	.004
A 89191	.09	.02	.003
A 89192	.12	.03	.002
A 89193	.11	.02	.001
STANDARD R-1/AG-1/AU-1	.86	1.02	.097

AG** AND AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: Core

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Cu %	Ag** oz/t	Au** oz/t
A 89194	.01	.01	.002
A 89195	.03	.01	.001
A 89196	.01	.01	.001
A 89197	.01	.01	.001

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: AUG 24 1990

DATE REPORT MAILED: Aug. 30/90.

ASSAY CERTIFICATE

Attwood Gold Corp. FILE # 90-3811
100 - 450 W. Georgia St., Vancouver BC V6B 1Z3 Attn: W. ROBB

SAMPLE#	Cu %	Ag** oz/t	Au** oz/t
A 89034	.02	.01	.001
A 89035	.30	.06	.003
A 89036	.39	.09	.003
A 89037	1.20	.29	.012
A 89038	.06	.02	.001
A 89039	.22	.05	.002
A 89040	.07	.01	.001
A 89041	.04	.01	.001
A 89042	.06	.01	.001
A 89043	.05	.02	.001
A 89044	.06	.02	.001
A 89045	.04	.01	.001
A 89046	.01	.01	.001
A 89047	.02	.02	.001
A 89048	.39	.14	.022
A 89198	.30	.10	.004
A 89199	2.80	1.01	.038
A 89200	.10	.07	.003
A 89201	8.13	3.34	.050
A 89202	.41	.20	.047
A 89204	.03	.05	.003
A 89205	.64	.73	.096
A 89206	.11	.06	.013
A 89207	.08	.03	.001
A 89208	.02	.01	.004
A 89209	.22	.07	.004
A 89210	.08	.05	.002

AG** & AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: CORE

SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Attwood Gold Corp. File # 90-4041 Page 1

100 - 450 W. Georgia St., Vancouver BC V6B 1Z3

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L465E 467+00N	1	94	15	60	.4	42	12	165	2.42	14	5	ND	3	15	.2	2	3	36	.19	.061	8	23	.29	65	.12	5	2.40	.02	.04	2	16
L465E 466+75N	1	49	14	45	.4	38	13	209	2.34	14	5	ND	2	18	.2	2	2	35	.20	.058	6	21	.22	75	.13	3	3.02	.02	.04	4	13
L465E 466+50N	2	266	13	51	.2	86	14	264	2.97	15	5	ND	3	22	.2	2	2	40	.39	.025	12	38	.49	84	.12	2	2.73	.03	.06	2	40
L465E 466+25N	1	195	16	63	.5	71	14	201	2.63	16	5	ND	3	29	.2	2	2	37	.23	.068	8	28	.36	152	.12	3	3.36	.03	.06	4	49
L466E 467+00N	1	31	8	45	.2	19	7	198	1.76	12	5	ND	2	12	.2	2	5	29	.13	.115	4	14	.15	81	.10	6	2.09	.02	.04	3	15
L466E 466+75N	2	125	9	37	.3	42	15	190	2.69	14	8	ND	2	12	.2	2	4	37	.18	.041	6	32	.52	79	.06	5	1.53	.01	.03	5	81
L466E 466+25N	1	161	16	43	.4	59	14	210	2.46	15	5	ND	3	24	.3	2	2	31	.27	.035	11	22	.27	79	.14	2	3.37	.04	.04	4	8
L466E 464+50N	1	233	17	33	.9	73	12	224	2.51	21	5	ND	2	22	.3	2	2	32	.39	.026	12	23	.30	67	.14	2	2.97	.04	.04	3	36
STANDARD C	19	60	42	133	7.2	72	31	1053	3.98	41	16	7	39	52	18.9	15	21	56	.51	.094	39	60	.91	182	.07	34	1.88	.06	.14	11	-

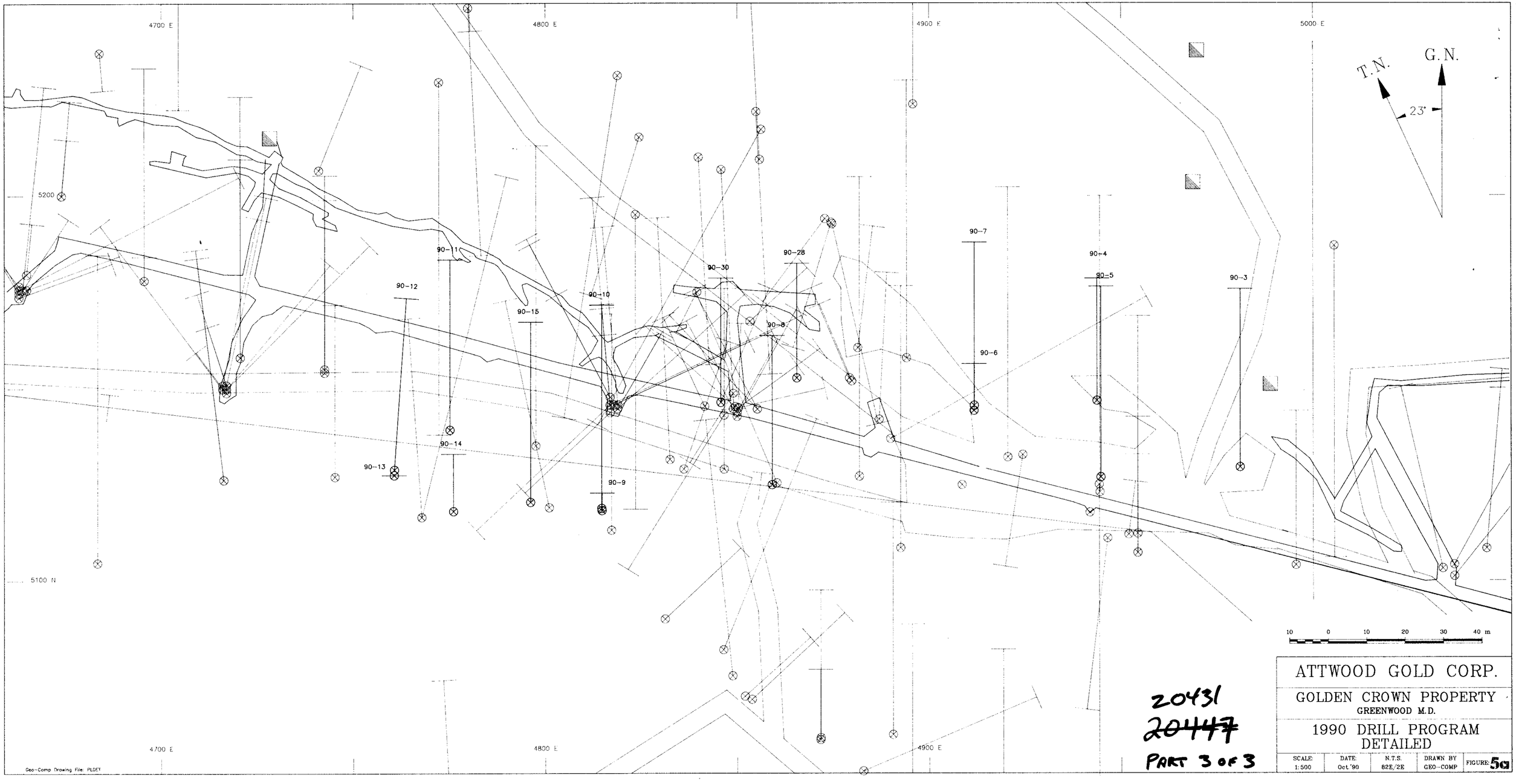
ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1 SOIL GEO P2 CORE ASSAY AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 31 1990 **DATE REPORT MAILED:** Sept 10/90. **SIGNED BY.....** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Cu %	Ag** oz/t	Au** oz/t
A 89033	.02	.04	.001
A 89049	.19	.09	.002
A 89203	.01	.04	.001
A 89211	2.01	.71	.066
A 89212	.77	.22	.008
A 89213	.69	.20	.014
A 89214	.08	.08	.002
A 89215	2.14	.69	.019
A 89216	1.13	.37	.006
A 89217	11.16	3.30	.063
A 89218	1.39	.39	.021
A 89219	1.37	.81	.144
A 89220	.52	.26	.065
A 89221	.11	.07	.005
A 89222	.11	.08	.008
A 89223	.63	.21	.007
A 89224	.62	.28	.096
A 89225	.82	.33	.073
A 89226	.16	.09	.012
A 89227	.20	.08	.017
A 89228	1.03	.21	.059
A 89229	.04	.04	.050
A 89230	.23	.12	.058
A 89231	.18	.08	.016
A 89232	.10	.10	.003
A 89233	.03	.03	.001
A 89234	.02	.06	.001
A 89235	.02	.05	.001
A 89236	.02	.04	.001
A 89237	.17	.07	.005
A 89238	1.10	.47	.136
A 89239	.49	.15	.003
A 89240	.20	.05	.002
A 89241	.27	.11	.009
A 89242	.50	.17	.007
A 89243	.26	.04	.014

APPENDIX II

Geology Map
Drill Hole Plan
Detail Drill Hole Plan
Drill Sections



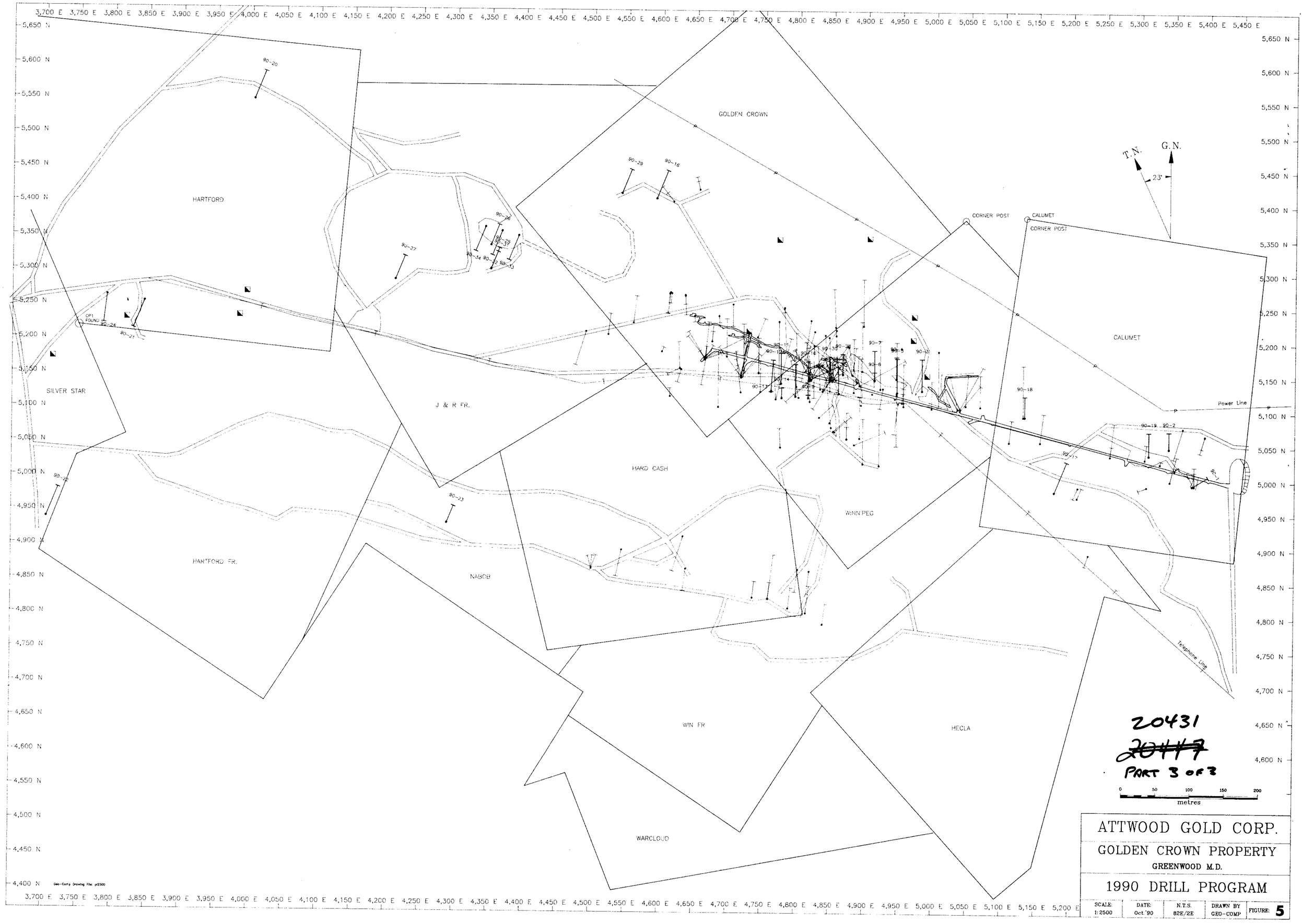
20431
20447
PART 3 of 3

ATTWOOD GOLD CORP.

GOLDEN CROWN PROPERTY
GREENWOOD M.D.

1990 DRILL PROGRAM DETAILED

SCALE:	DATE:	N.T.S.	DRAWN BY	FIGURE:
1:500	Oct '90	82E/2E	GEO-COMP	5a



20431

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PART 3 of 3

ATTWOOD GOLD CORP.

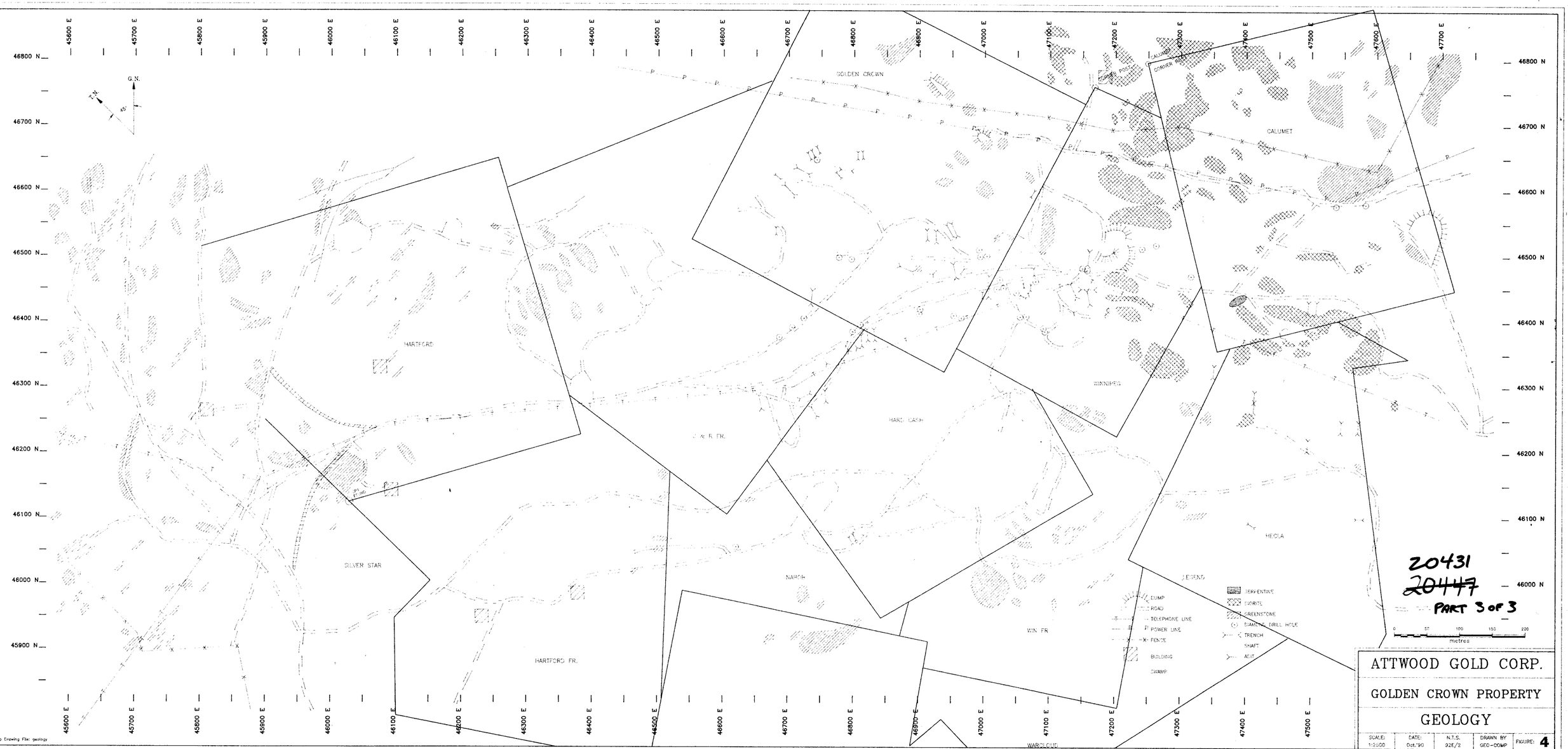
GOLDEN CROWN PROPERTY

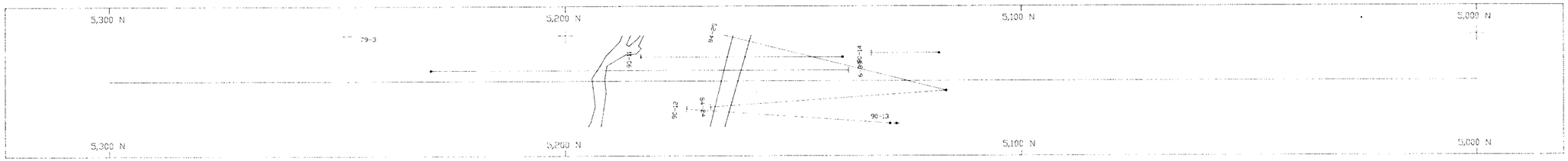
GREENWOOD M.D.

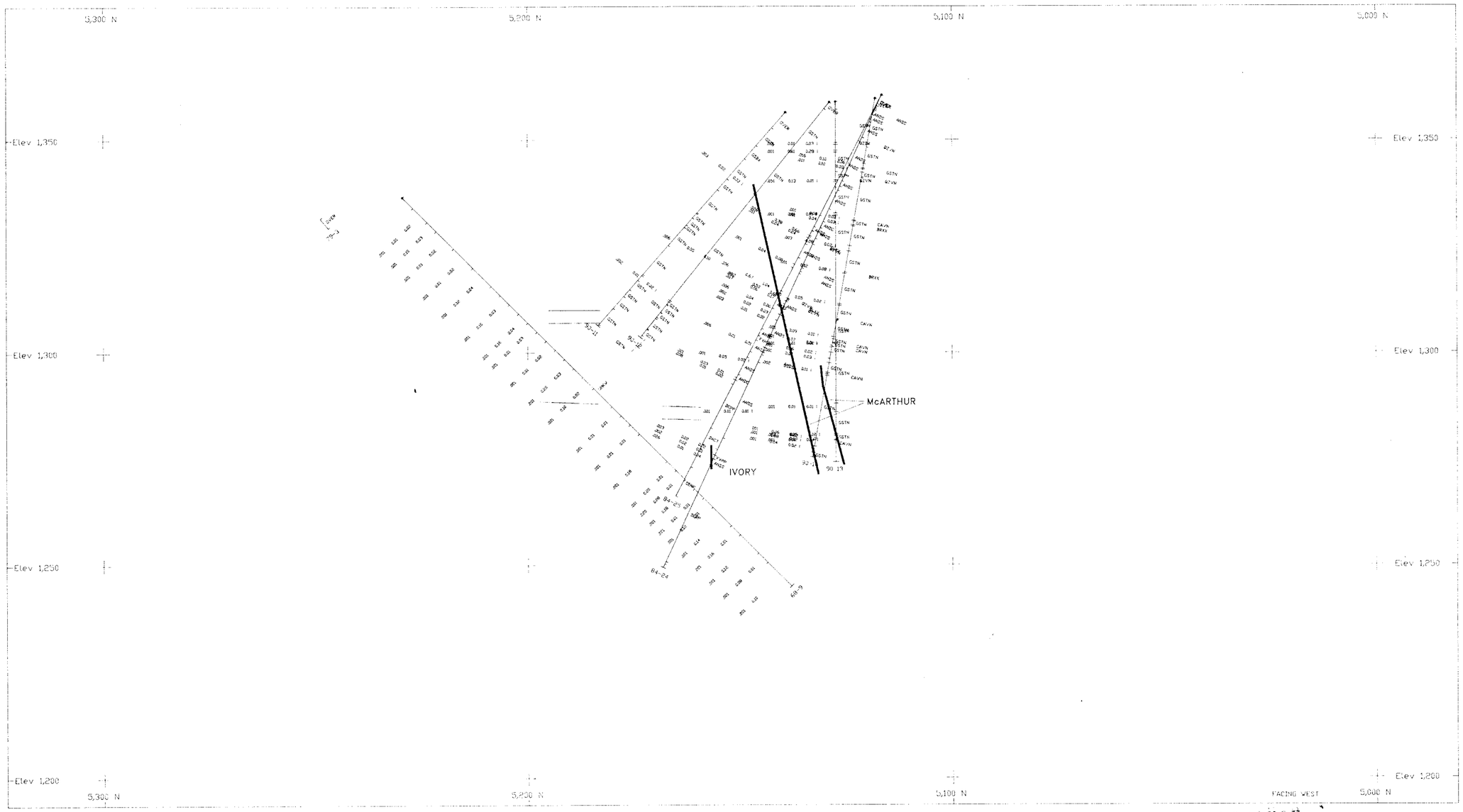
1990 DRILL PROGRAM

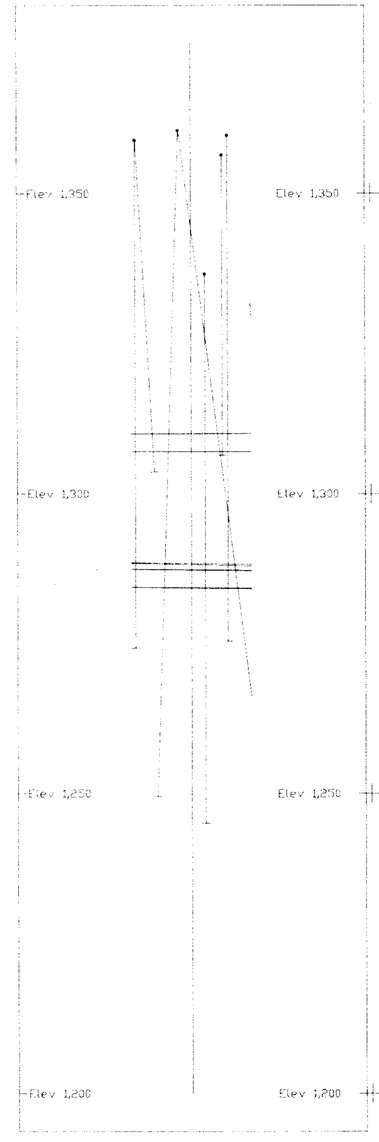
SCALE:	DATE:	N.T.S.	DRAWN BY	FIGURE:
1:2500	Oct.'90	82E/2E	GEO-COMP	5

Geo-Comp Drawing File: pl2500


G.N.
T.N.
45°
GOLDEN CROWN
CALUMET
CORNER POST
CORNER REF.
HARTFORD
J. & R. FR.
HARD CASH
WINNIPEG
SILVER STAR
NARCH
HARTFORD FR.
WIN. FR.
HECLA
WARCLOUD
LEGEND
SERPENTINE
DIORITE
GREENSTONE
DIAMOND DRILL HOLE
TRENCH
SHAFT
ADIT
DUMP
ROAD
TELEPHONE LINE
POWER LINE
FENCE
BUILDING
SWAMP
0 50 100 150 200
metres
20431
20447
PART 3 OF 3
ATTWOOD GOLD CORP.
GOLDEN CROWN PROPERTY
GEOLOGY
SCALE: 1:2000
DATE: Oct/90
N.T.S. 92E/2
DRAWN BY GEO-COMP
FIGURE: 4
Geo-Comp Drawing File: geology





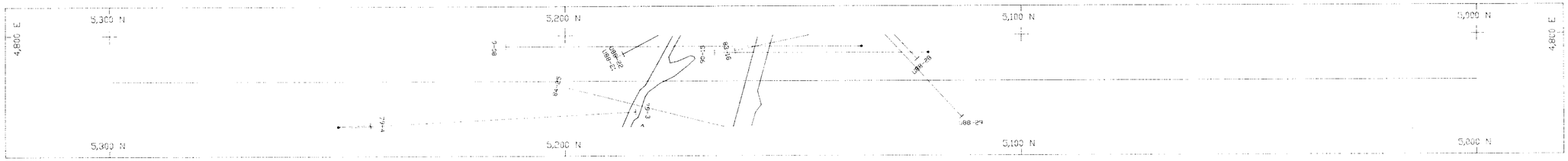


Geo-Comp Systems

ATTWOOD GOLD CORP.
GOLDEN CROWN PROJECT

SECTION 4770 E
SHOWING 10m FRONT AND BACK

PLAN



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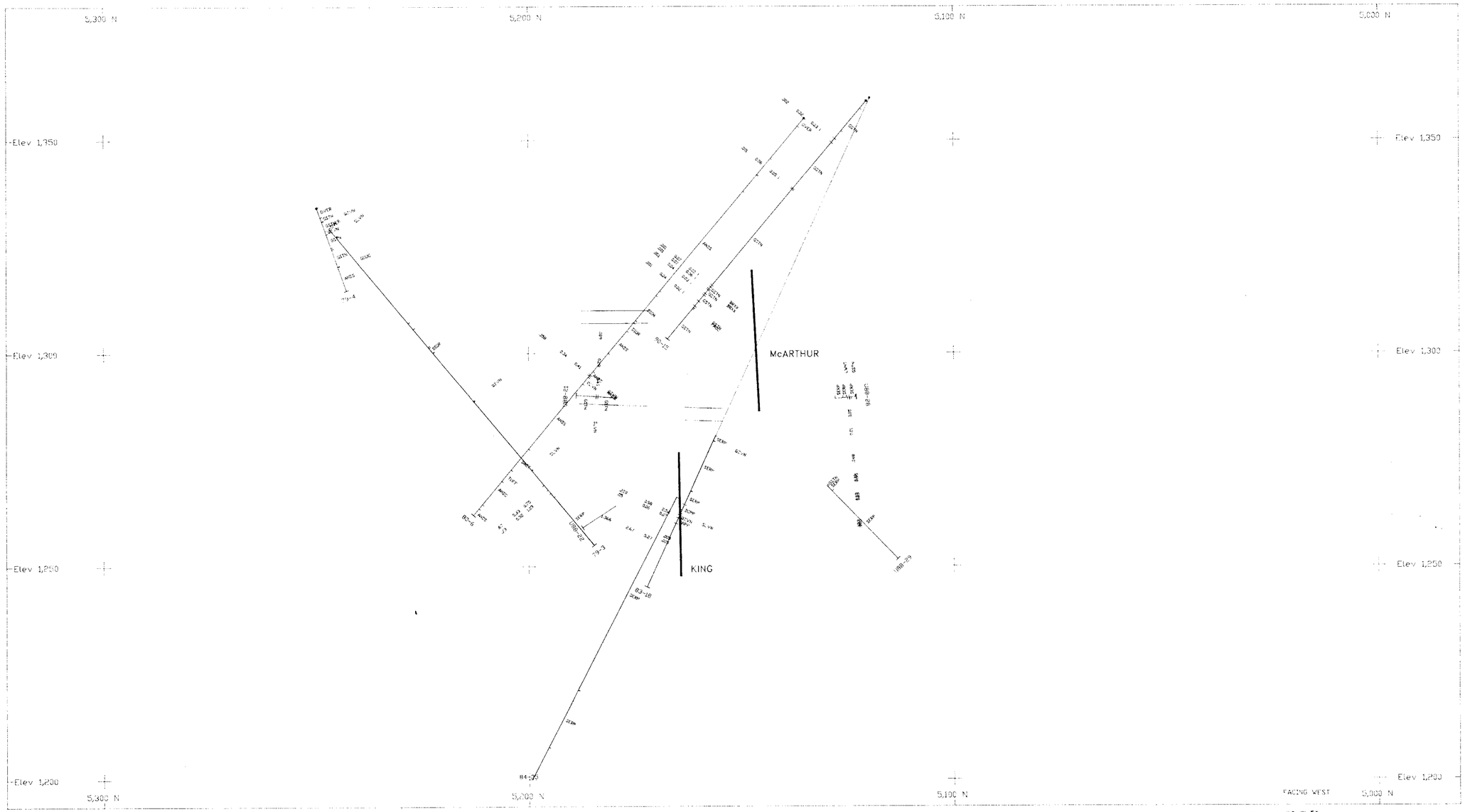

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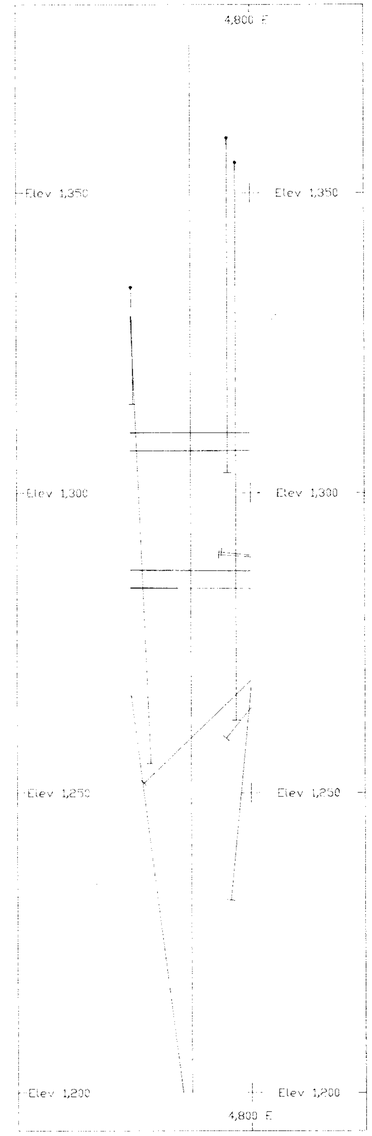
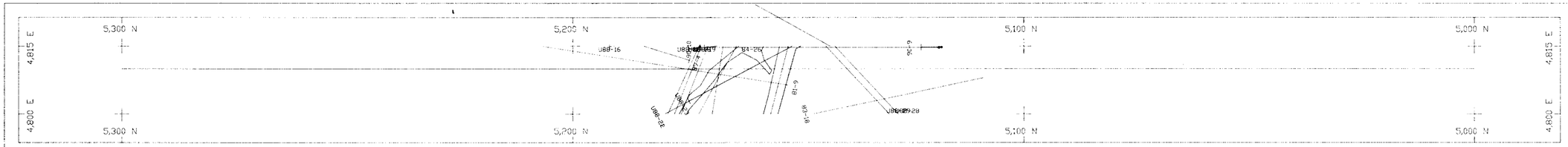


Geo-Comp Systems

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20 ~~447~~
431
PART 3 OF 3

ATTWOOD GOLD CORP.
GOLDEN CROWN PROJECT
SECTION 4790 E
SHOWING 10m FRONT AND BACK



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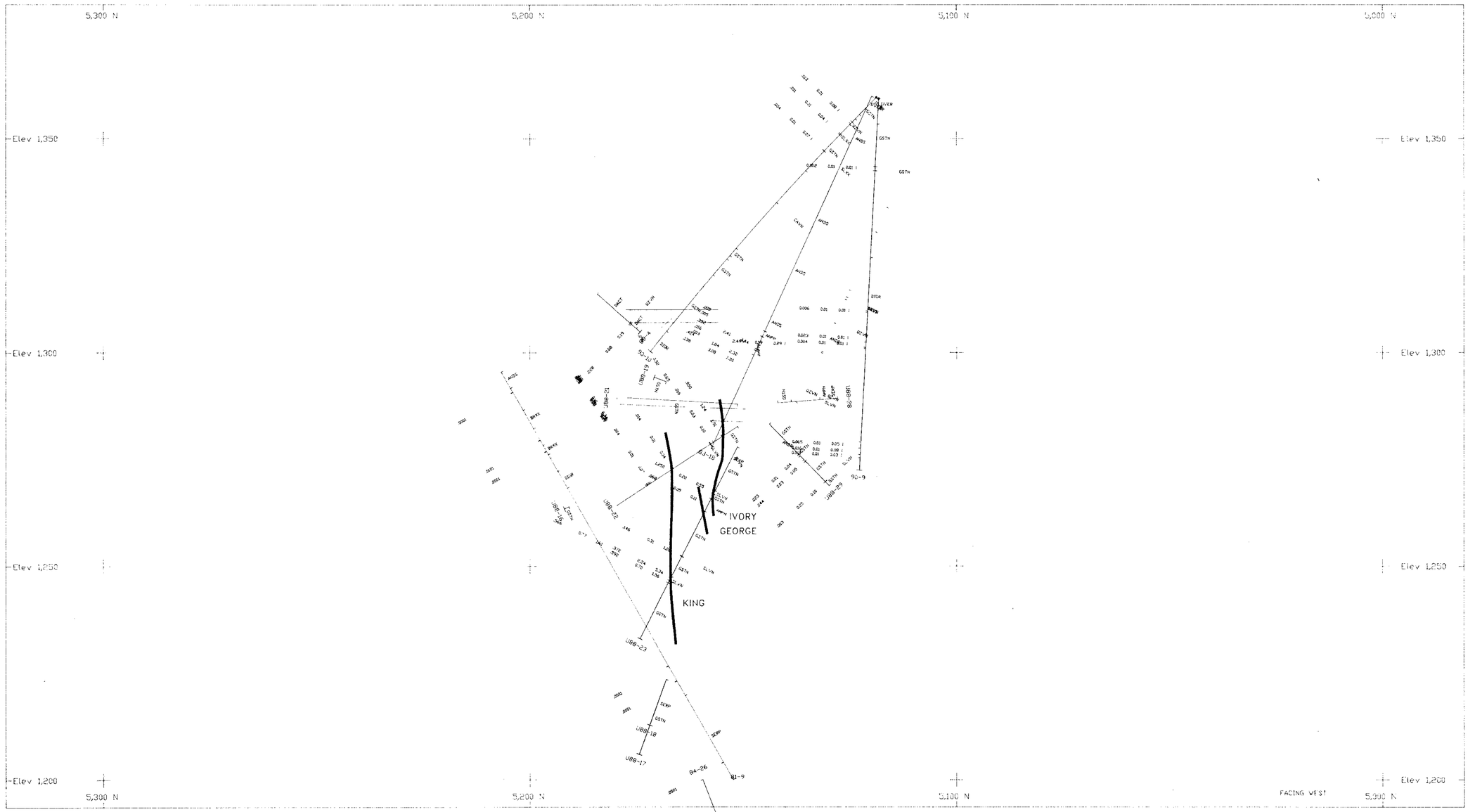
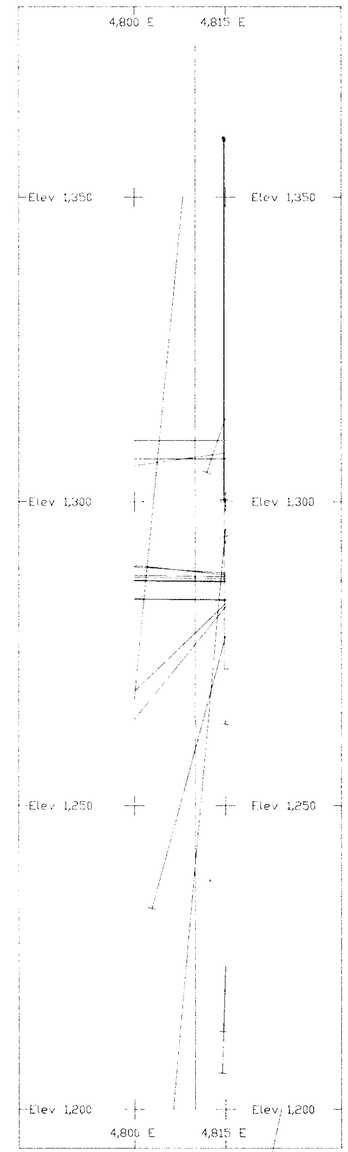




ATTWOOD GOLD CORP.
GOLDEN CROWN PROJECT

SECTION 4810 E

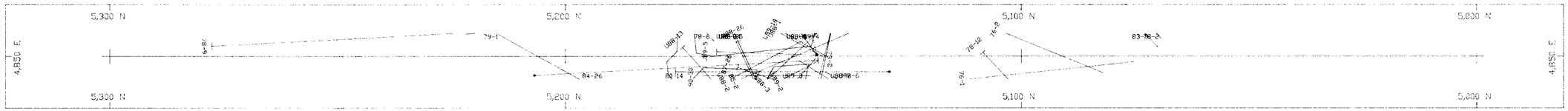
SHOWING 10m FRONT AND BACK

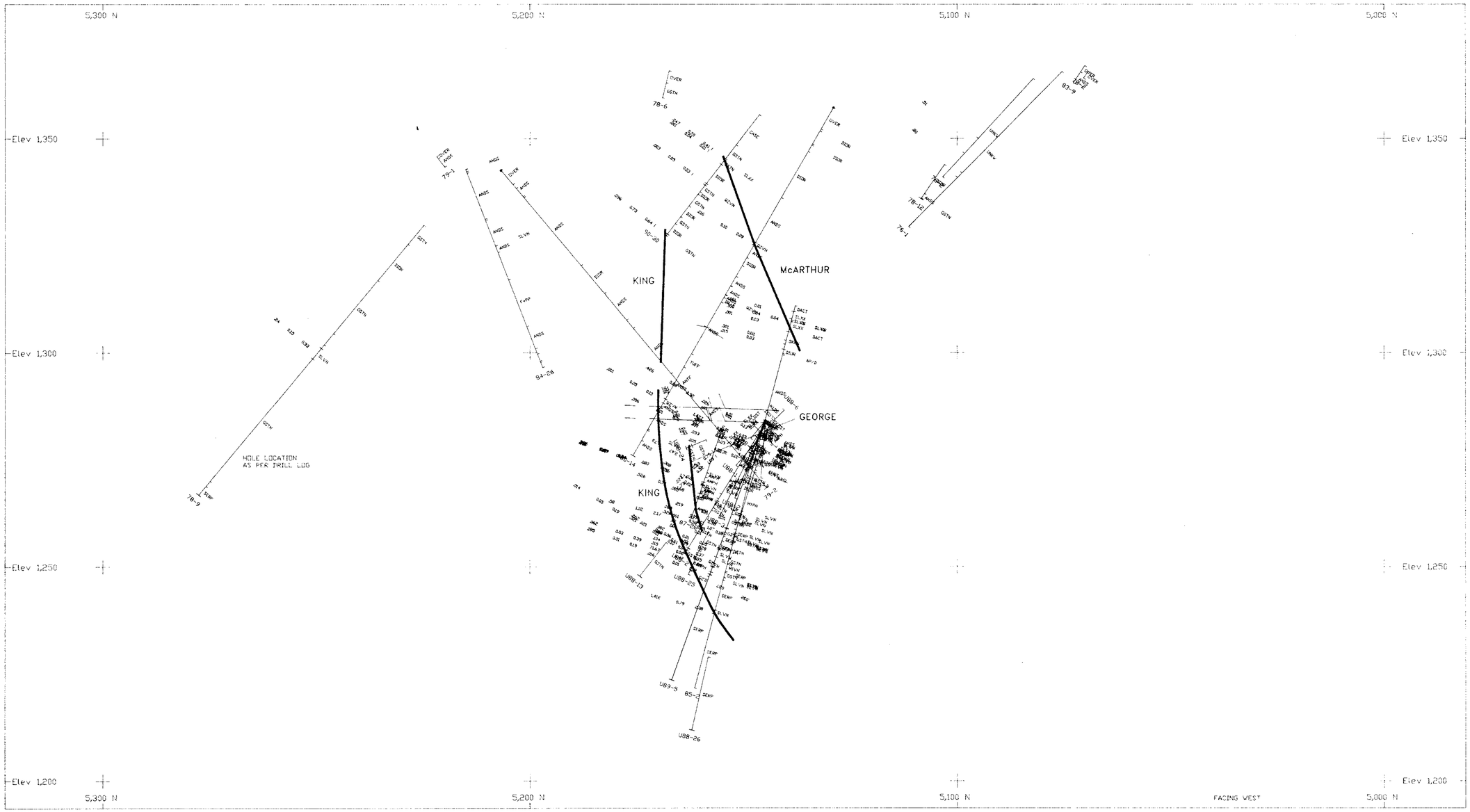
Geo-Comp Systems

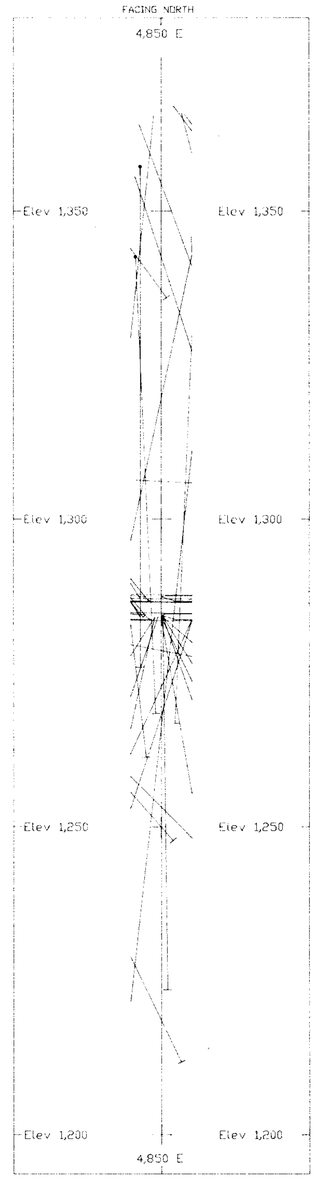
20,447

PART 3 of 3

431



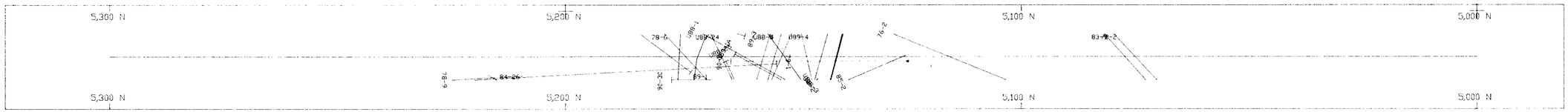




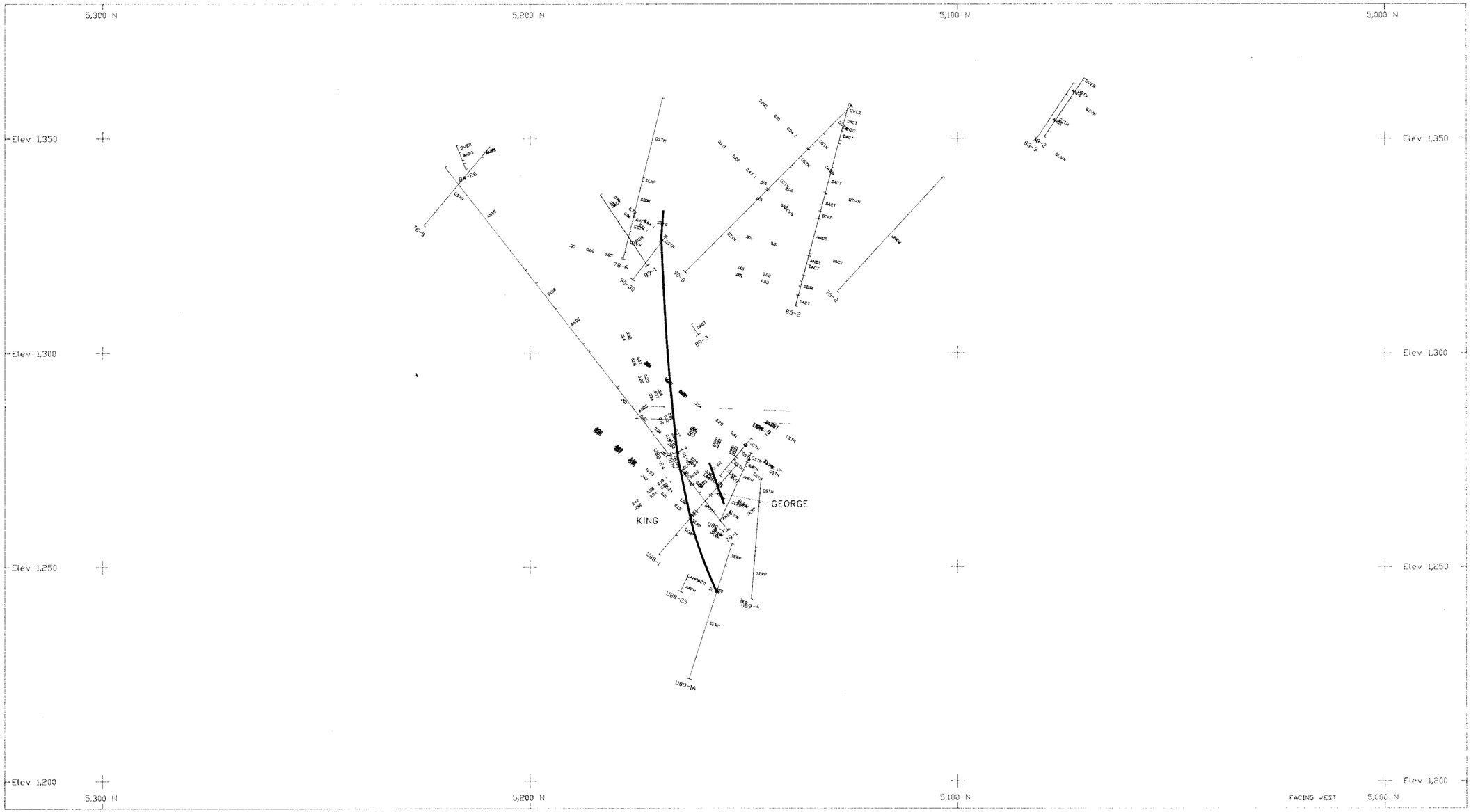
Geo-Comp Systems

ATTWOOD GOLD CORP.
GOLDEN CROWN PROJECT

SECTION 4850 E
SHOWING 5m FRONT AND BACK



PLAN



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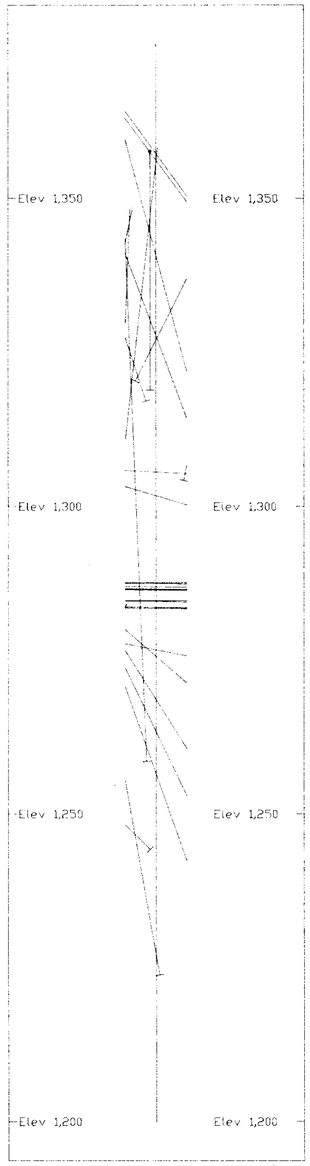
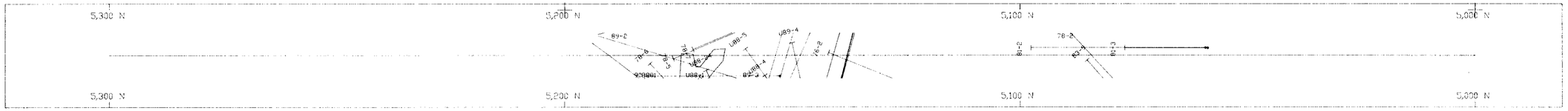


Geo-Comp Systems

ATTWOOD GOLD CORP.
GOLDEN CROWN PROJECT

SECTION 4860 E
SHOWING 5m FRONT AND BACK

PLAN



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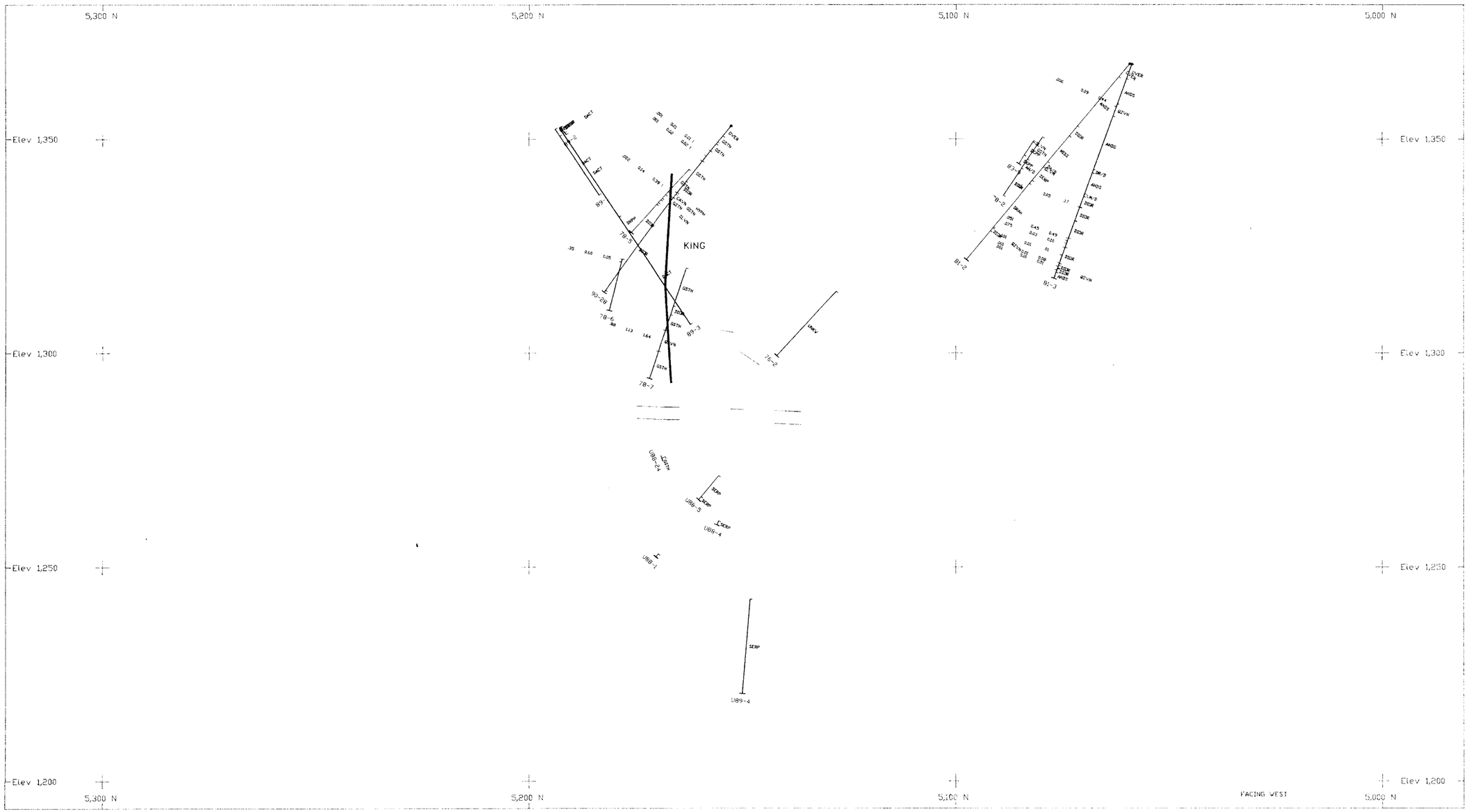

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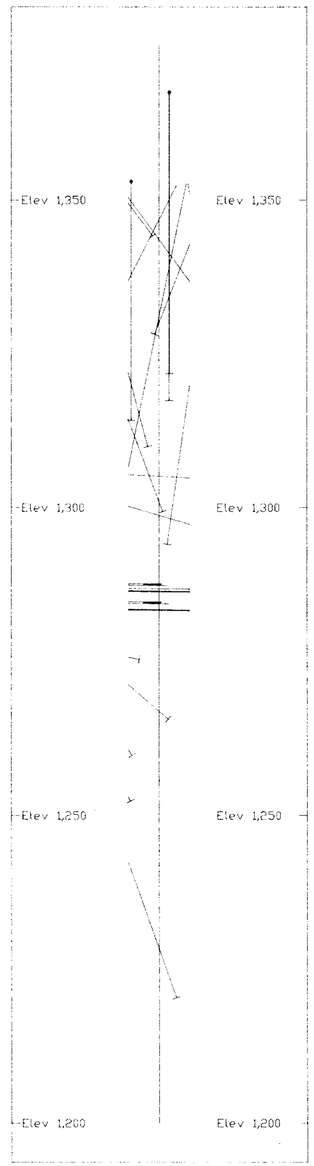

Geo-Comp Systems

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,447
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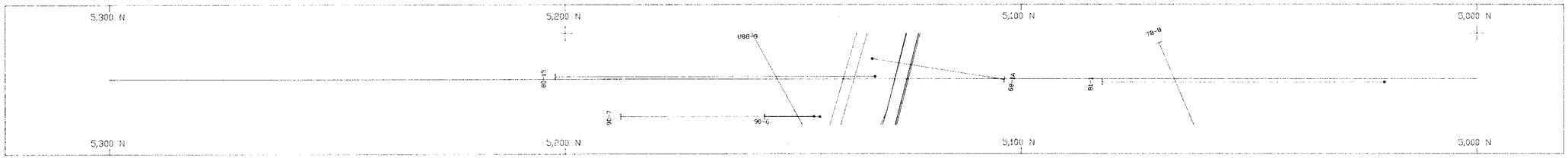
ATTWOOD GOLD CORP.
GOLDEN CROWN PROJECT

SECTION 4870 E
SHOWING 5m FRONT AND BACK



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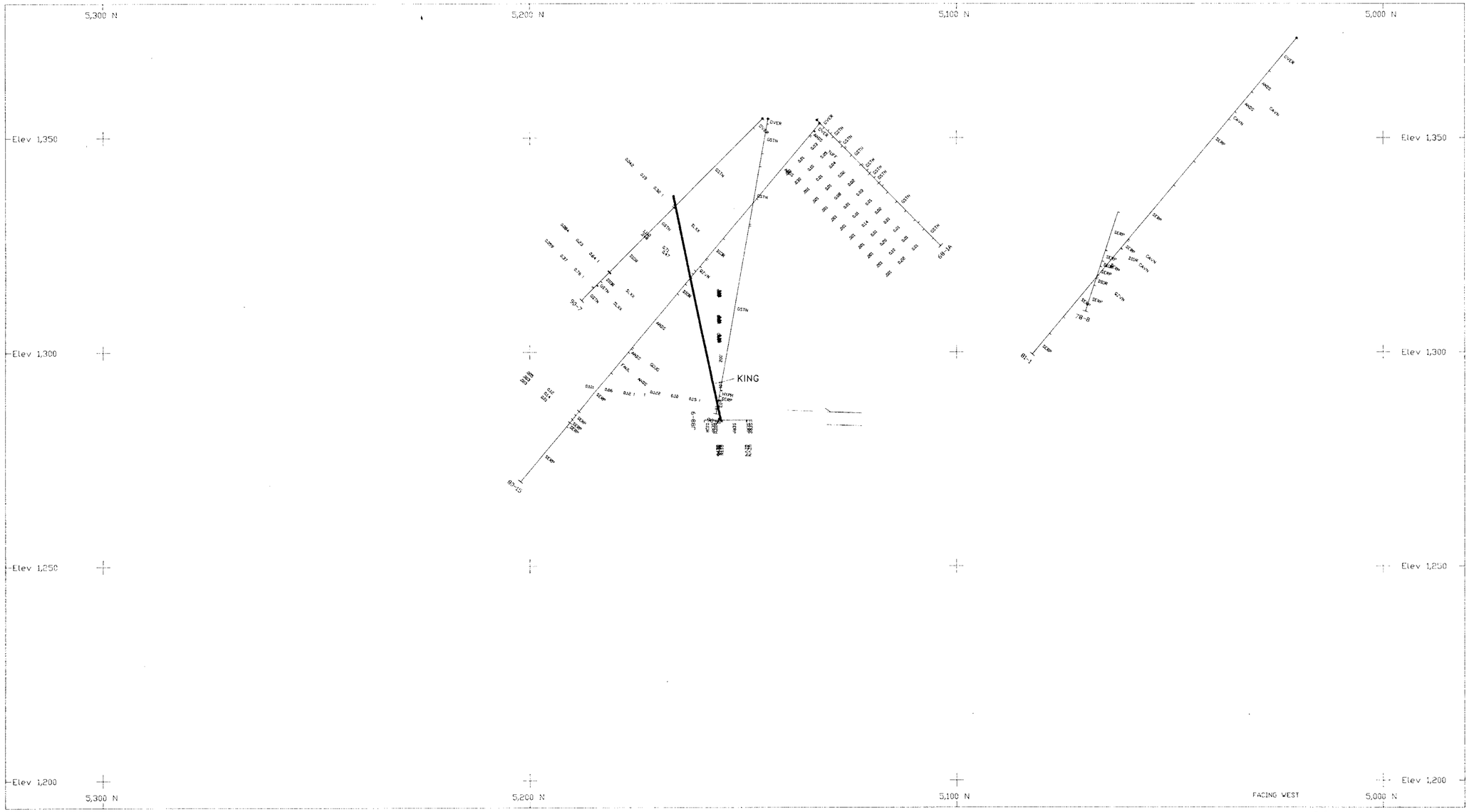

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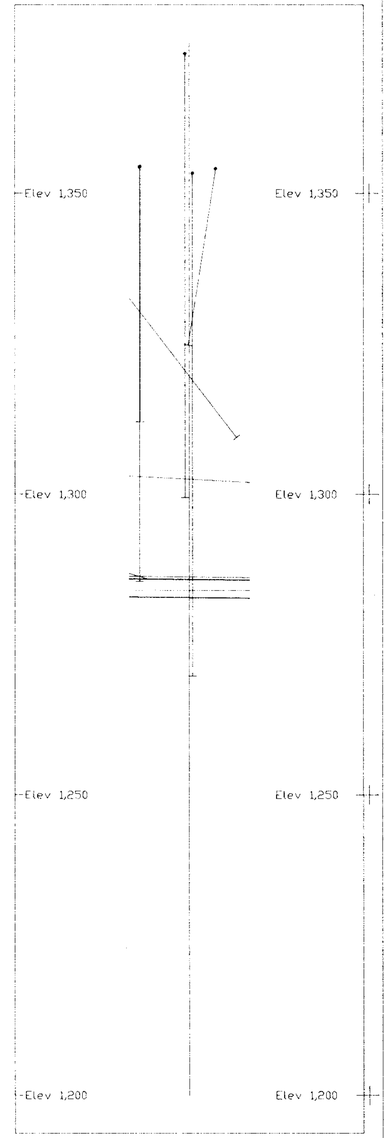


Geo-Comp Systems

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,147
31

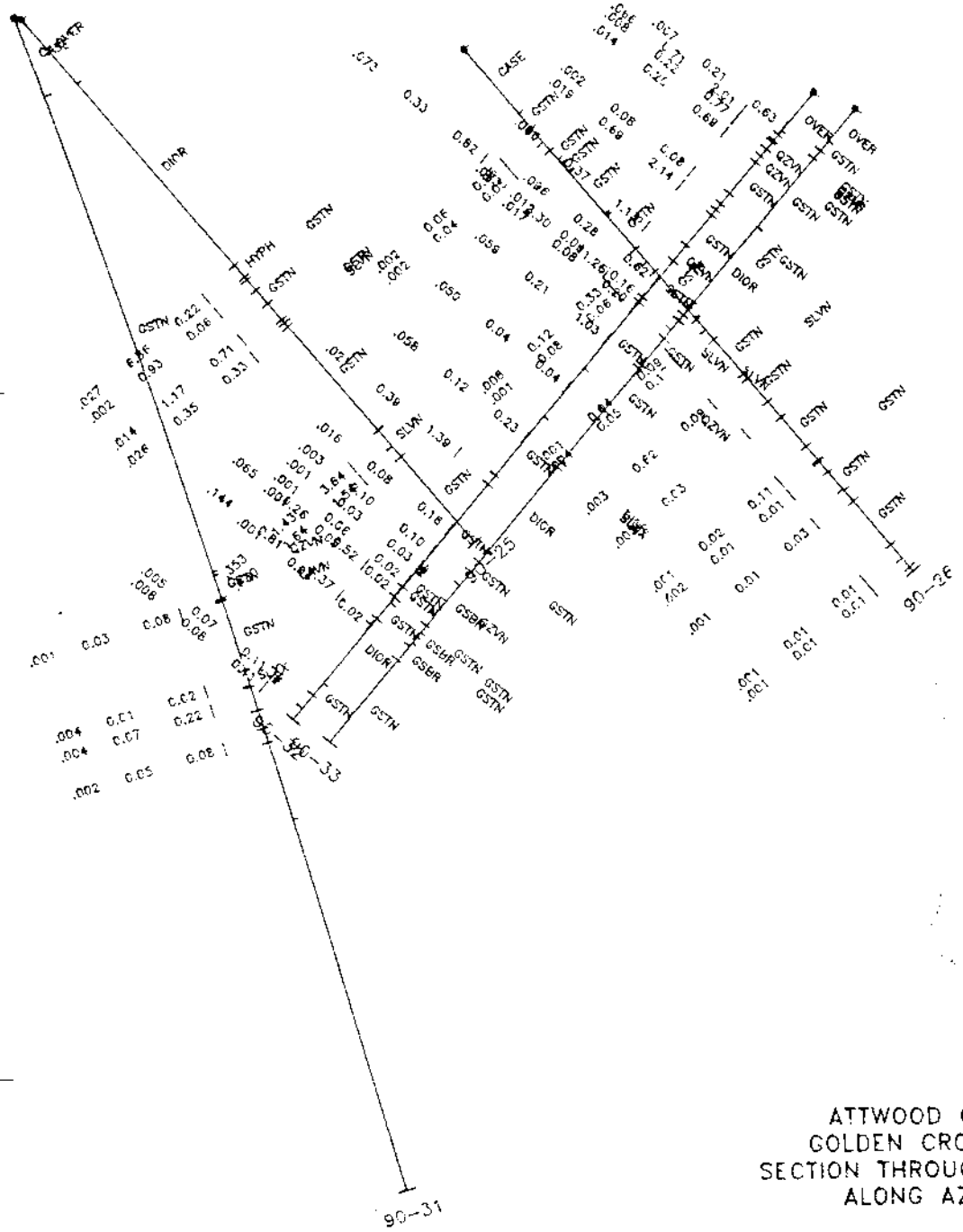
PART 3 OF 3

ATTWOOD GOLD CORP.
GOLDEN CROWN PROJECT
SECTION 4920 E
SHOWING 10m FRONT AND BACK

4350 E 5300 N

100

Elev 1,300



Elev 1,300

Elev 1,250

Elev 1,250

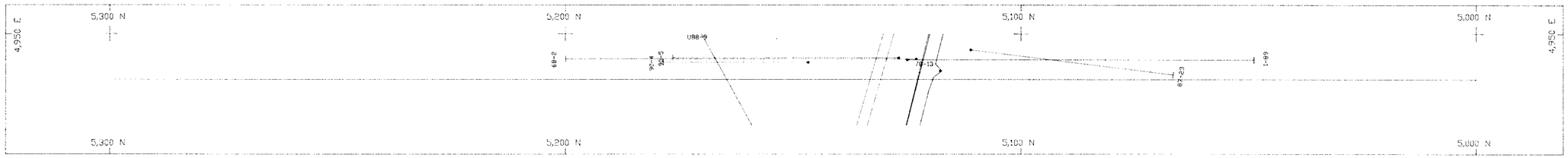
ATTWOOD GOLD CORP.
GOLDEN CROWN PROJECT
SECTION THROUGH 4350E 5300N
ALONG AZIMUTH 22°

431

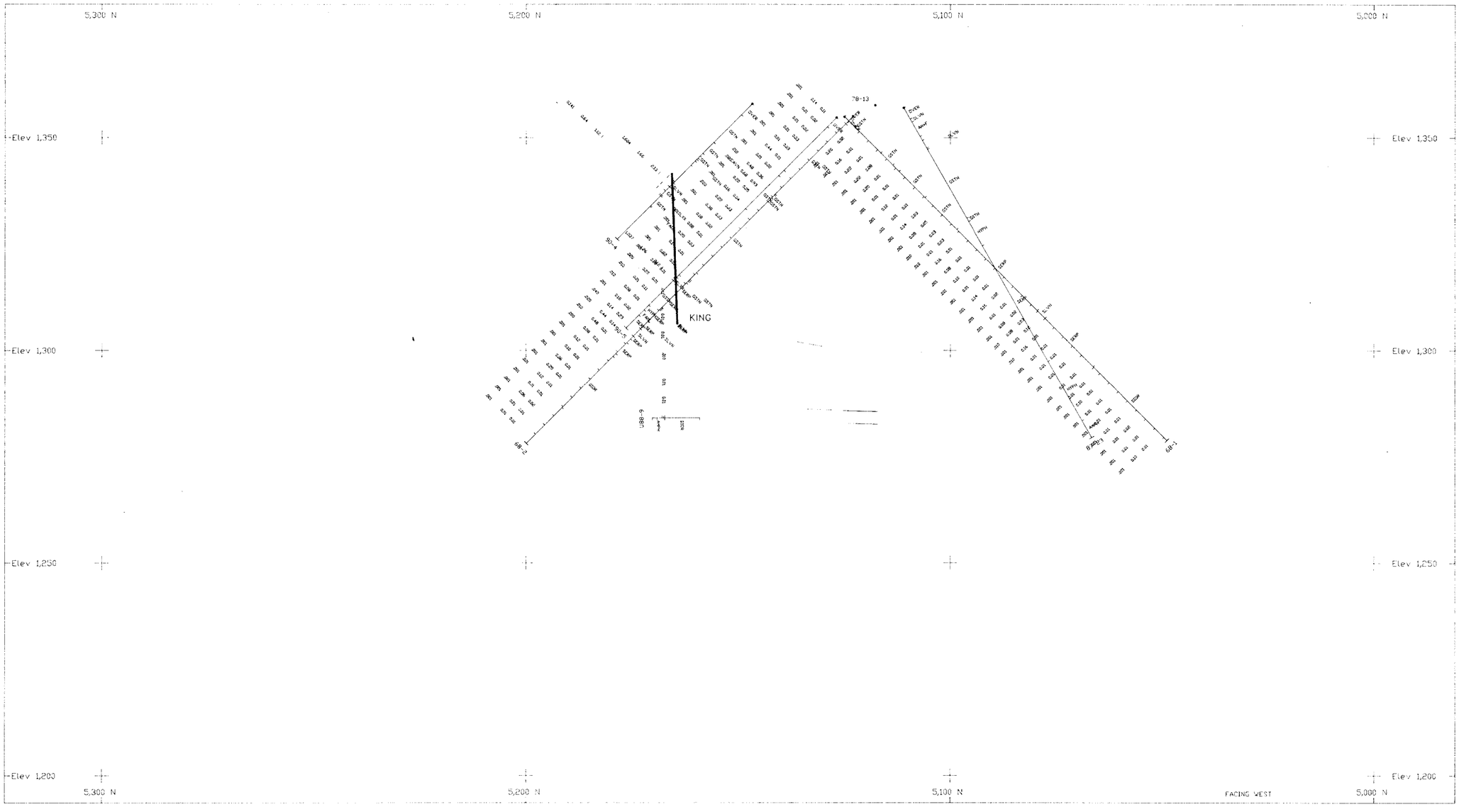
PART 3 OF 3

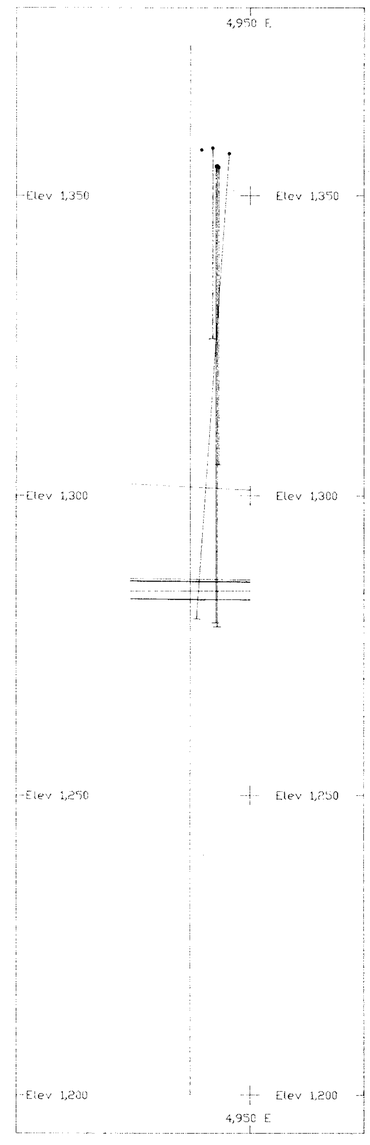
4350 E 5300 N

100



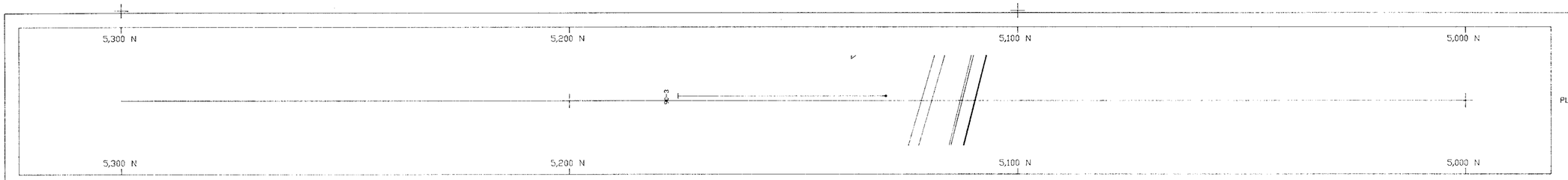
FACING NORTH

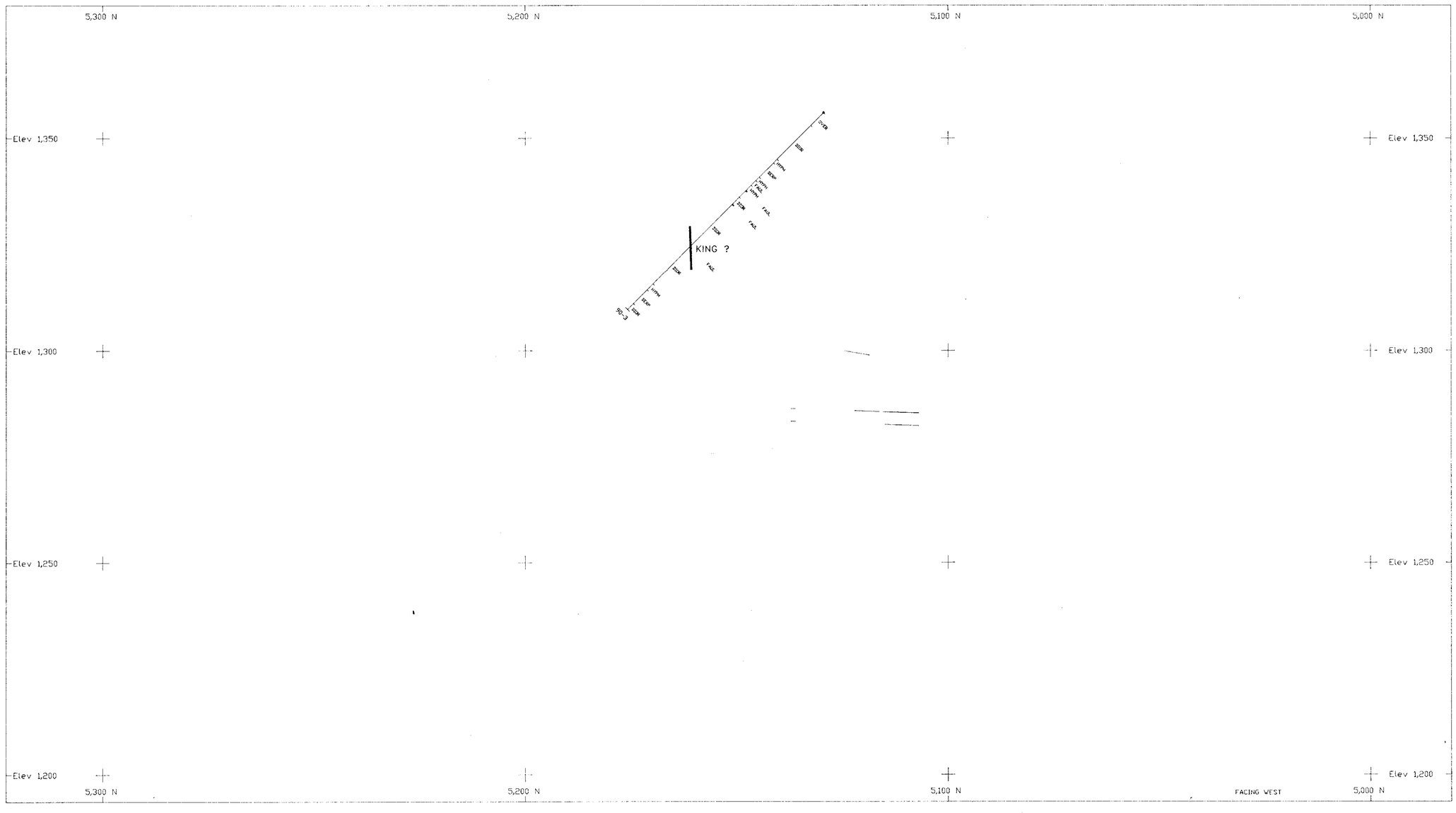


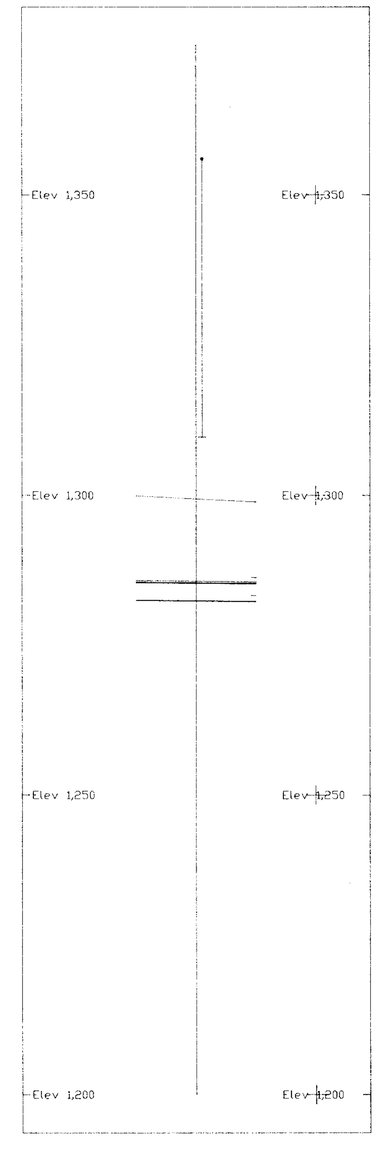


Geo-Comp Systems

ATTWOOD GOLD CORP.
GOLDEN CROWN PROJECT
SECTION 4940 E
SHOWING 10m FRONT AND BACK

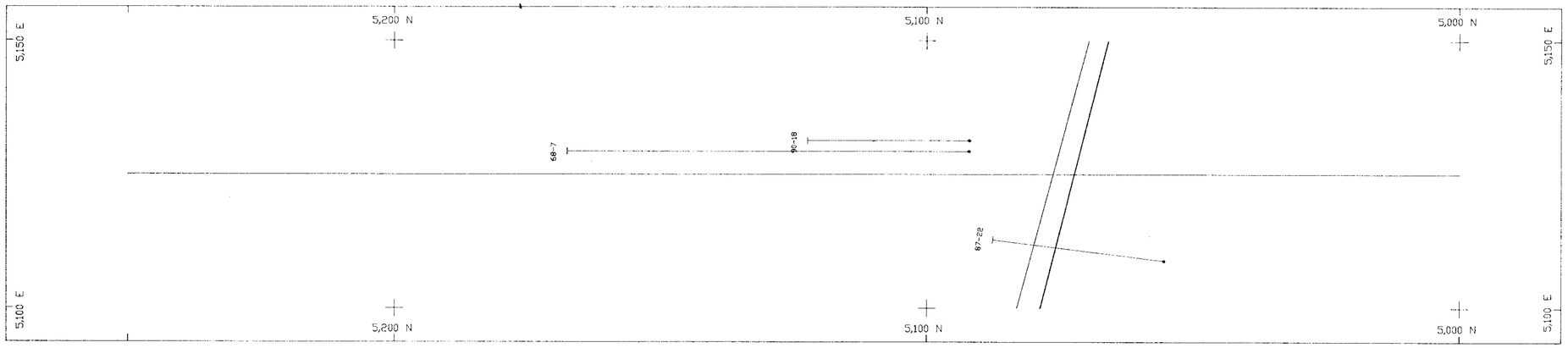




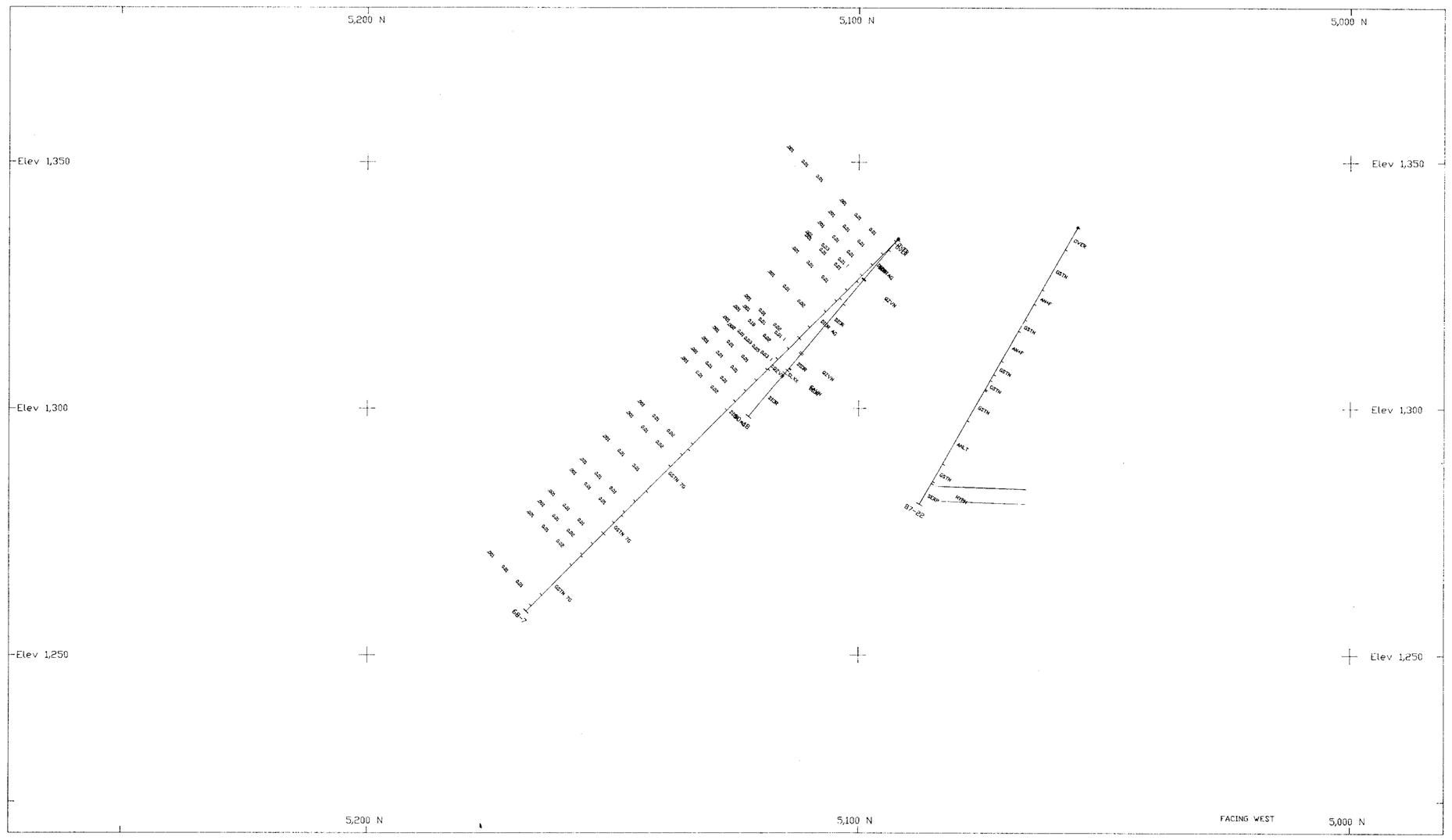


Geo-Comp Systems

ATTWOOD GOLD CORP.
GOLDEN CROWN PROJECT
SECTION 4980 E
SHOWING 10m FRONT AND BACK

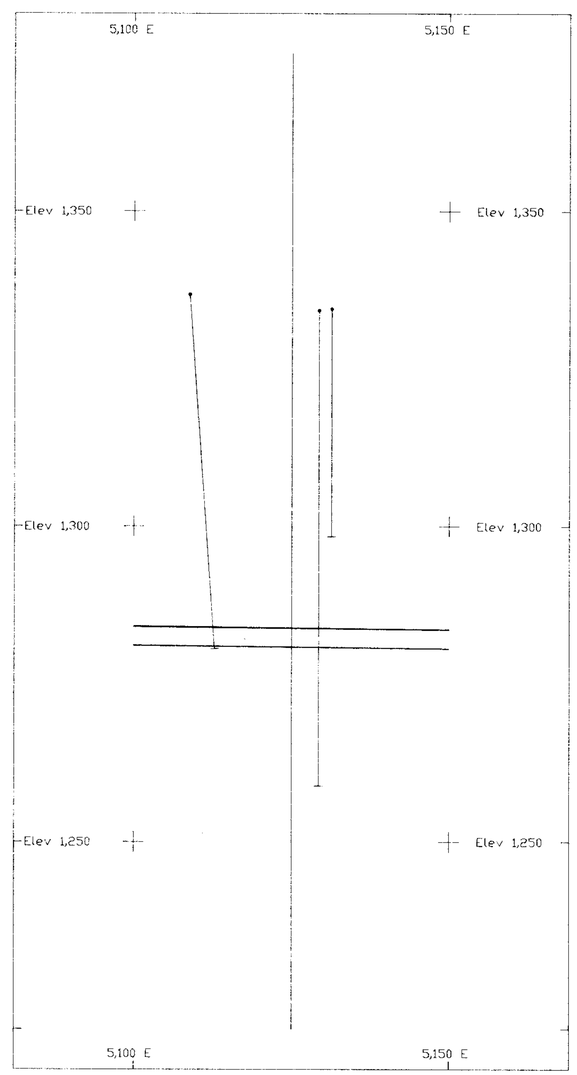


PLAN



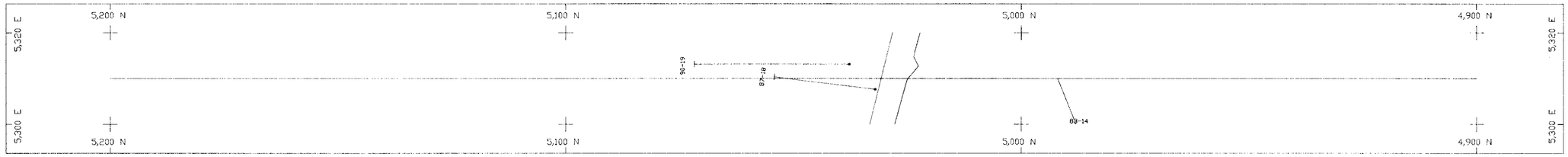
FACING WEST

FACING NORTH

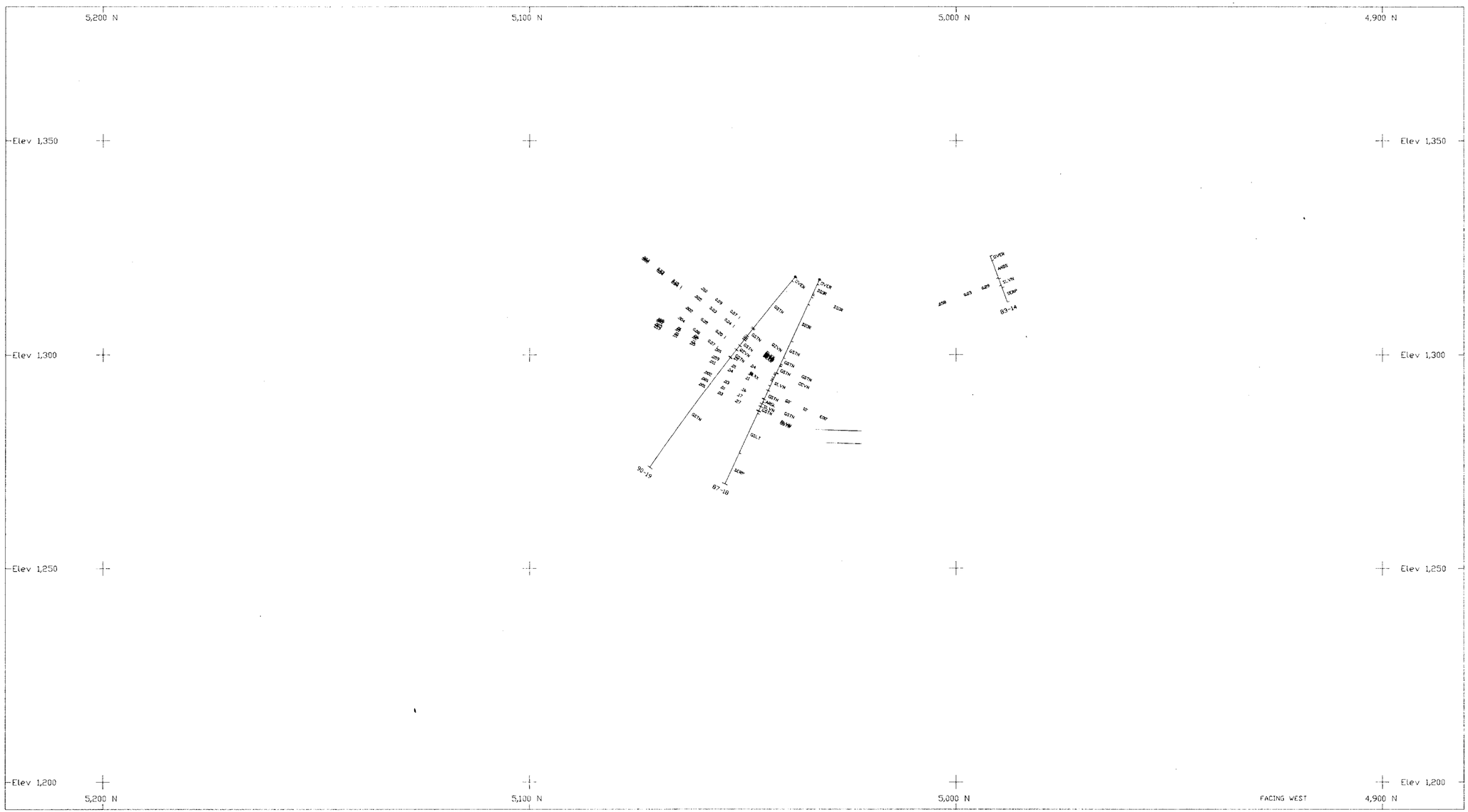


Geo-Comp Systems

ATTWOOD GOLD CORP.
GOLDEN CROWN PROJECT
SECTION 5125 E
SHOWING 25m FRONT AND BACK

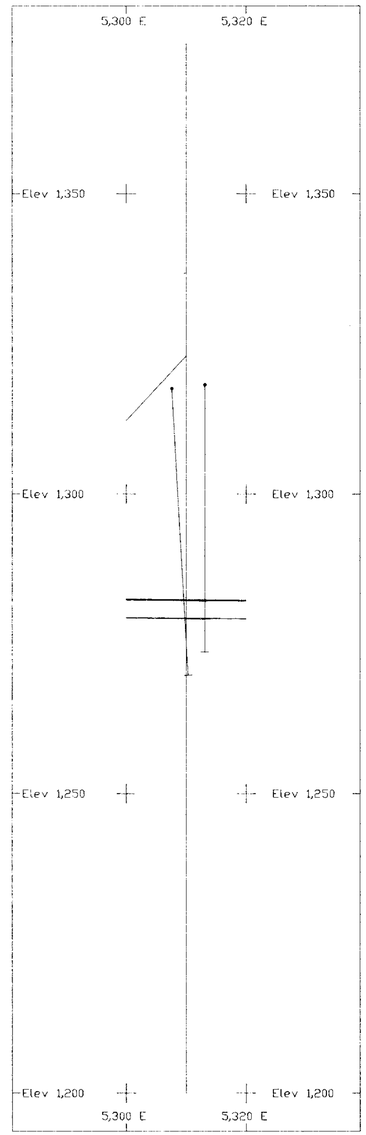


PLAN



FACING WEST

FACING NORTH



Geo-Comp Systems

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ASSESSMENT REPORT

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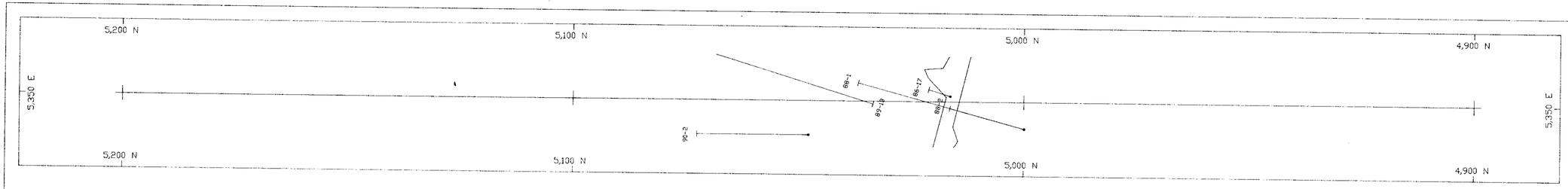
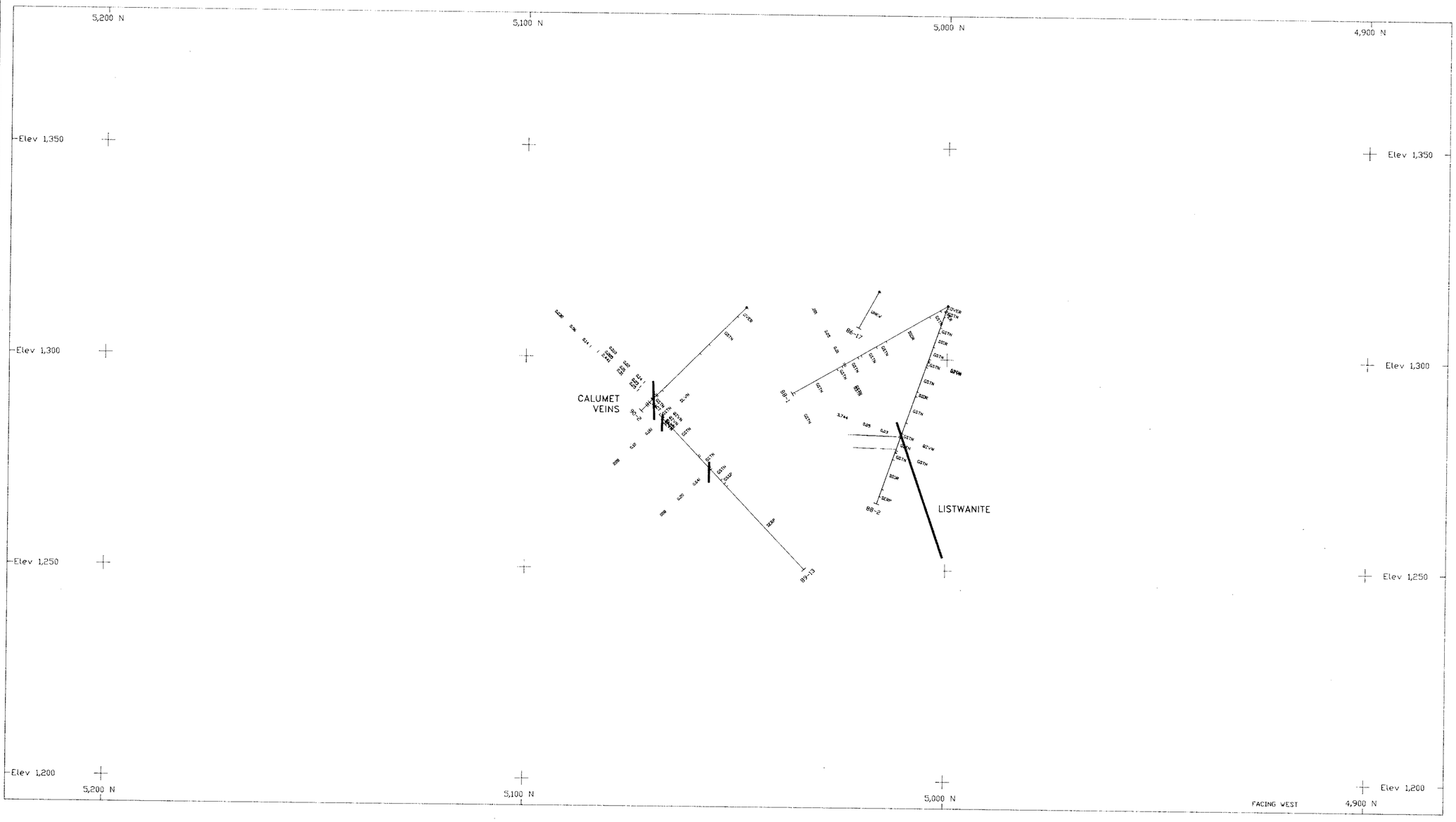
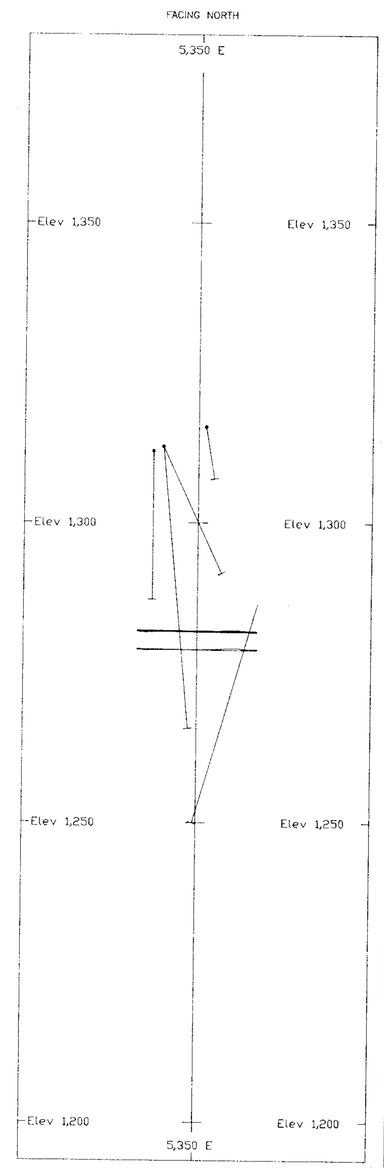
ATTWOOD GOLD CORP.
GOLDEN CROWN PROJECT

SECTION 5310 E
SHOWING 10m FRONT AND BACK







Geo-Comp Systems

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ATTWOOD GOLD CORP.
GOLDEN CROWN PROJECT
SECTION 5350 E
SHOWING 10m FRONT AND BACK

5,200 N | 5,100 N | 5,000 N | 4,900 N

5,400 E

89-12 | 89-11 | 90-1

PLAN

FACING NORTH

5,400 E

Elev 1,350

Elev 1,300

Elev 1,250

Elev 1,200

CALUMET

LISTWANITE

89-12 | 89-11 | 90-1

5,200 N | 5,100 N | 5,000 N | 4,900 N

FACING WEST

5,400 E

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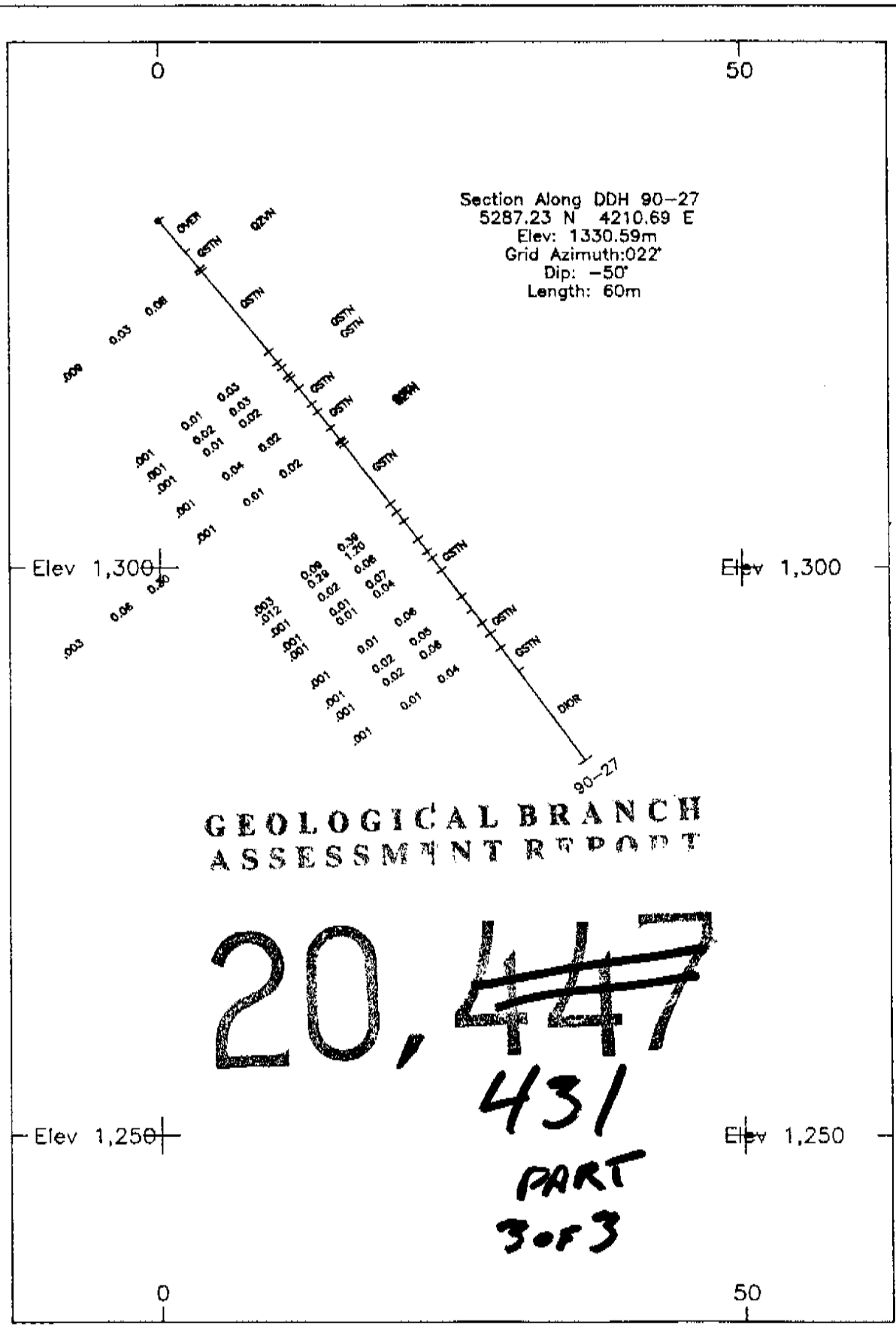
ATTWOOD GOLD CORP.
GOLDEN CROWN PROJECT

SECTION 5390 E

SHOWING 10m FRONT AND BACK

Geo-Comp Systems



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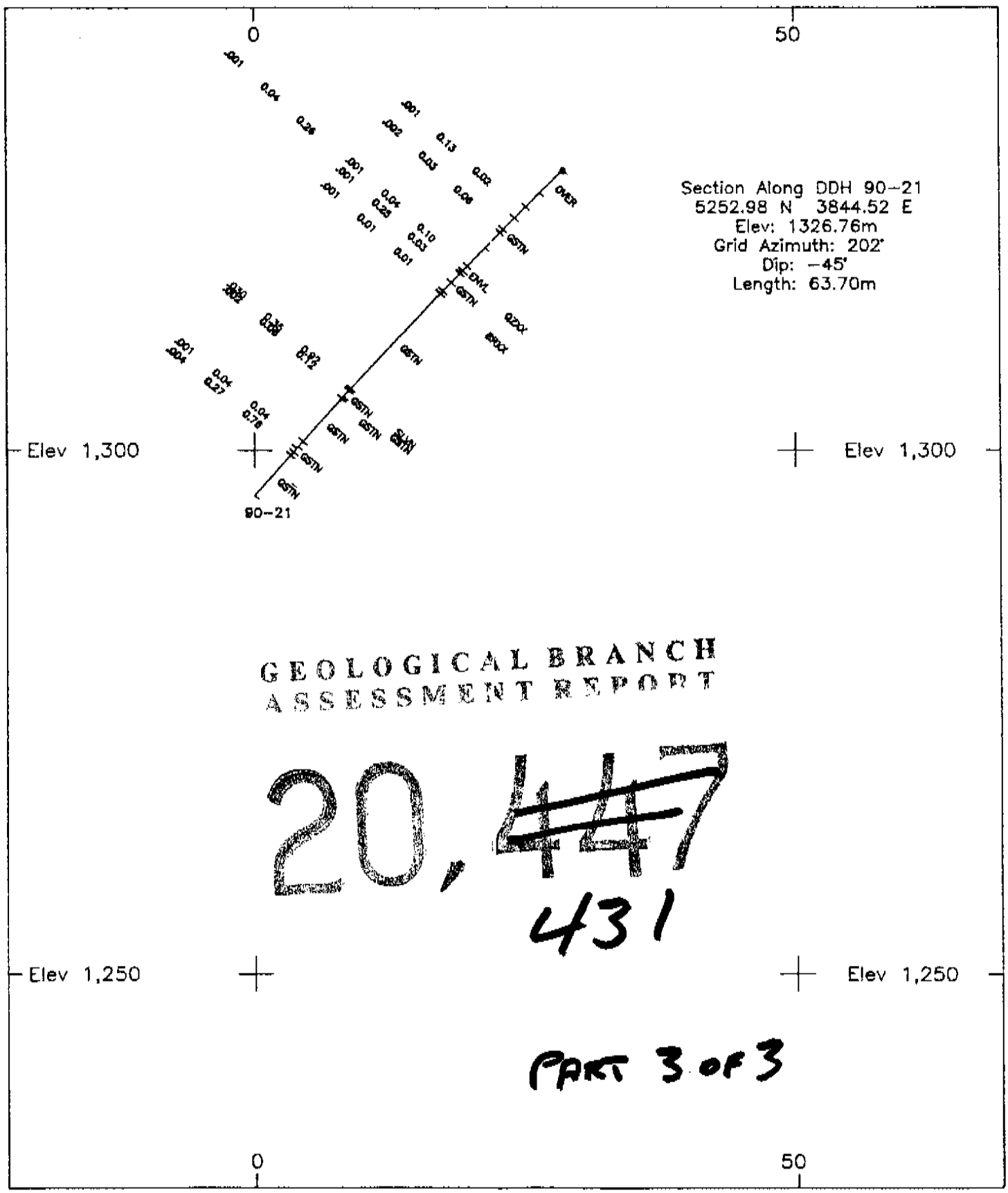

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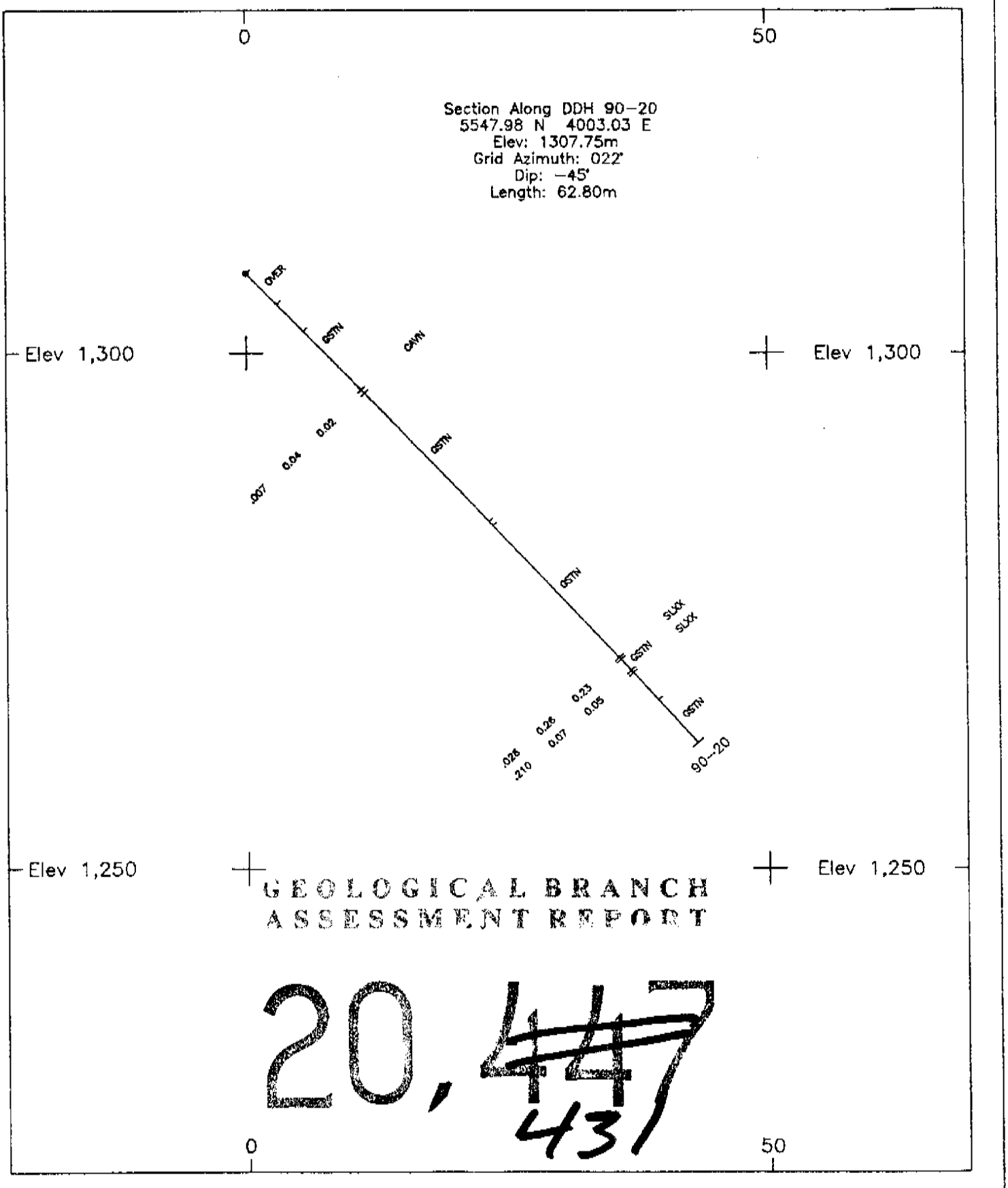

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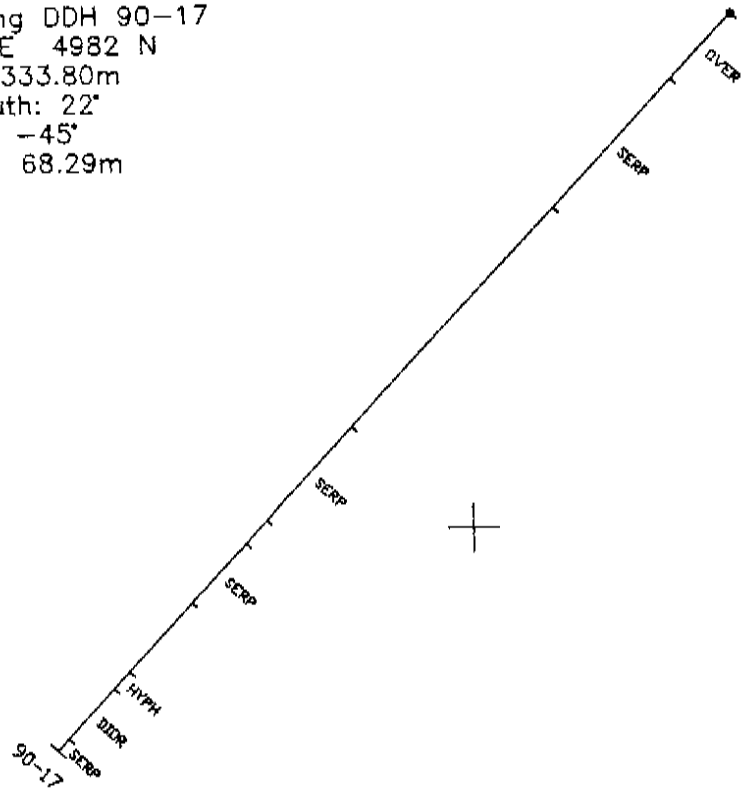
5,000 N

Section Along DDH 90-17
5175.54 E 4982 N
Elev: 1333.80m
Azimuth: 22°
Dip: -45°
Length: 68.29m



Elev 1,300

Elev 1,300

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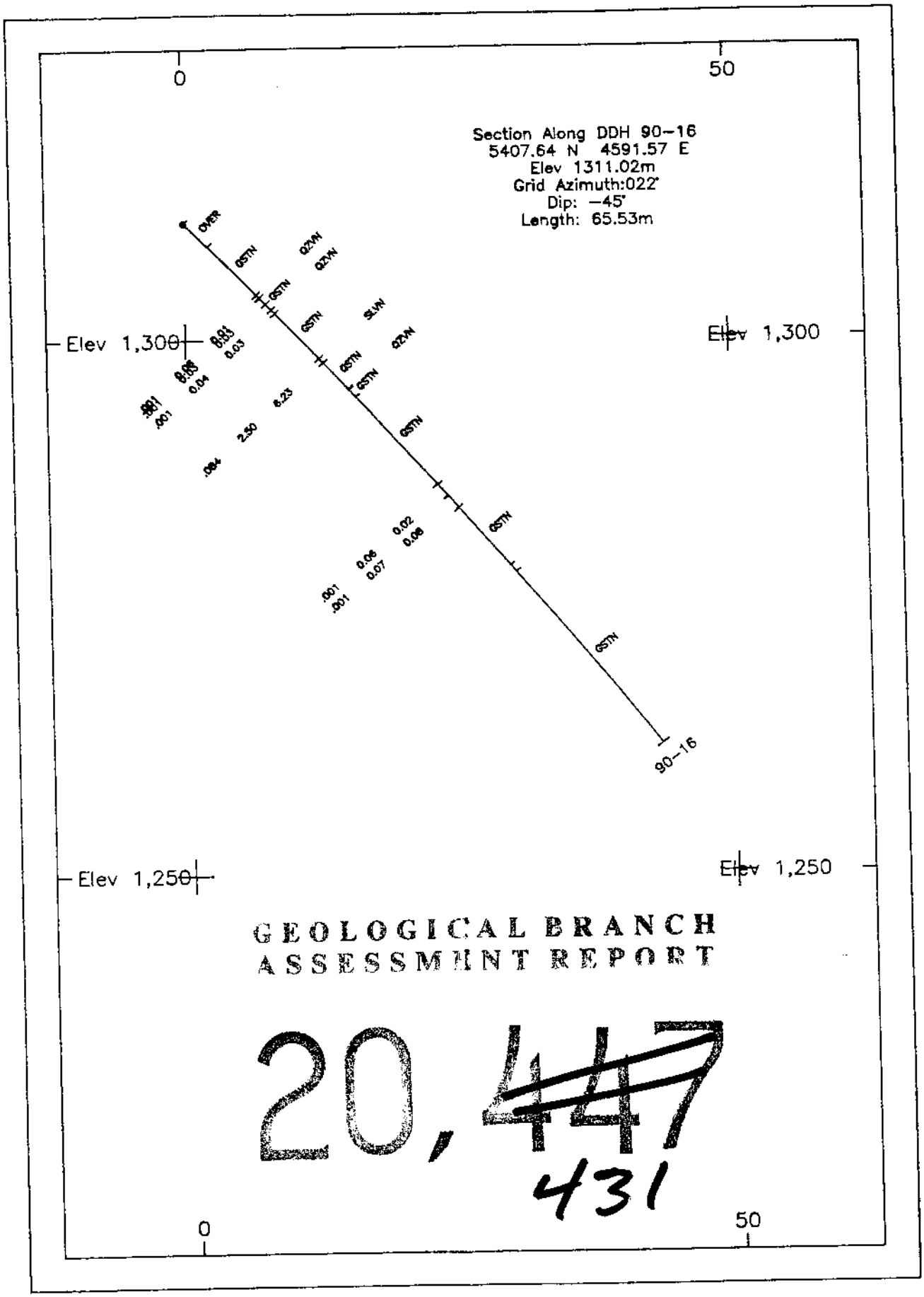
Elev 1,250

Elev 1,250

ATTWOOD GOLD CORP.
GOLDEN CROWN PROJECT

5,000 N

PART 3 of 3



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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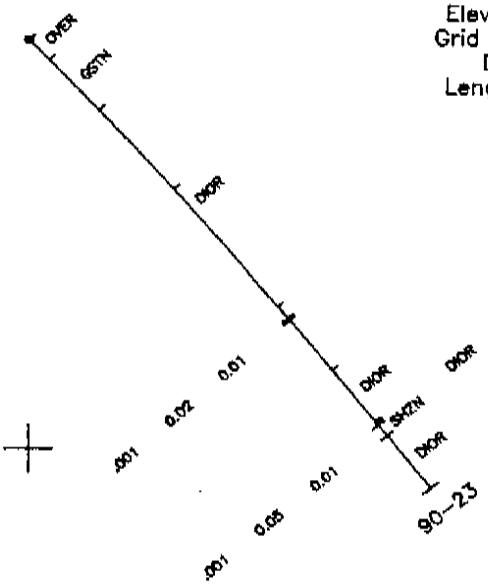
0 50

Section Along DDH 90-23
4932.52 N 4288.34 E
Elev: 1377.08m
Grid Azimuth:022°
Dip: -45°
Length: 39.63m



Elev 1,350 Elev 1,350

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Elev 1,300 Elev 1,300

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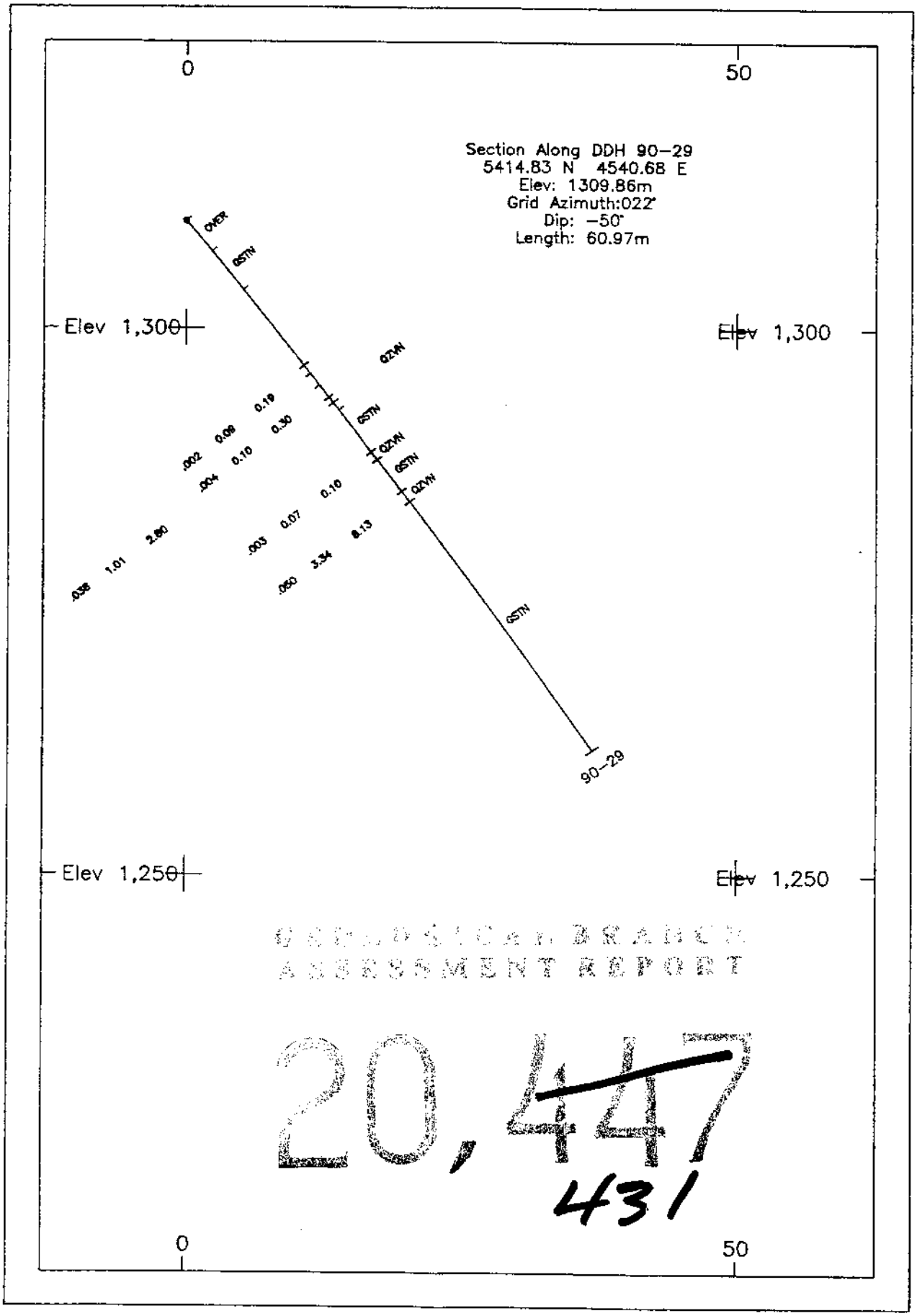
0 50



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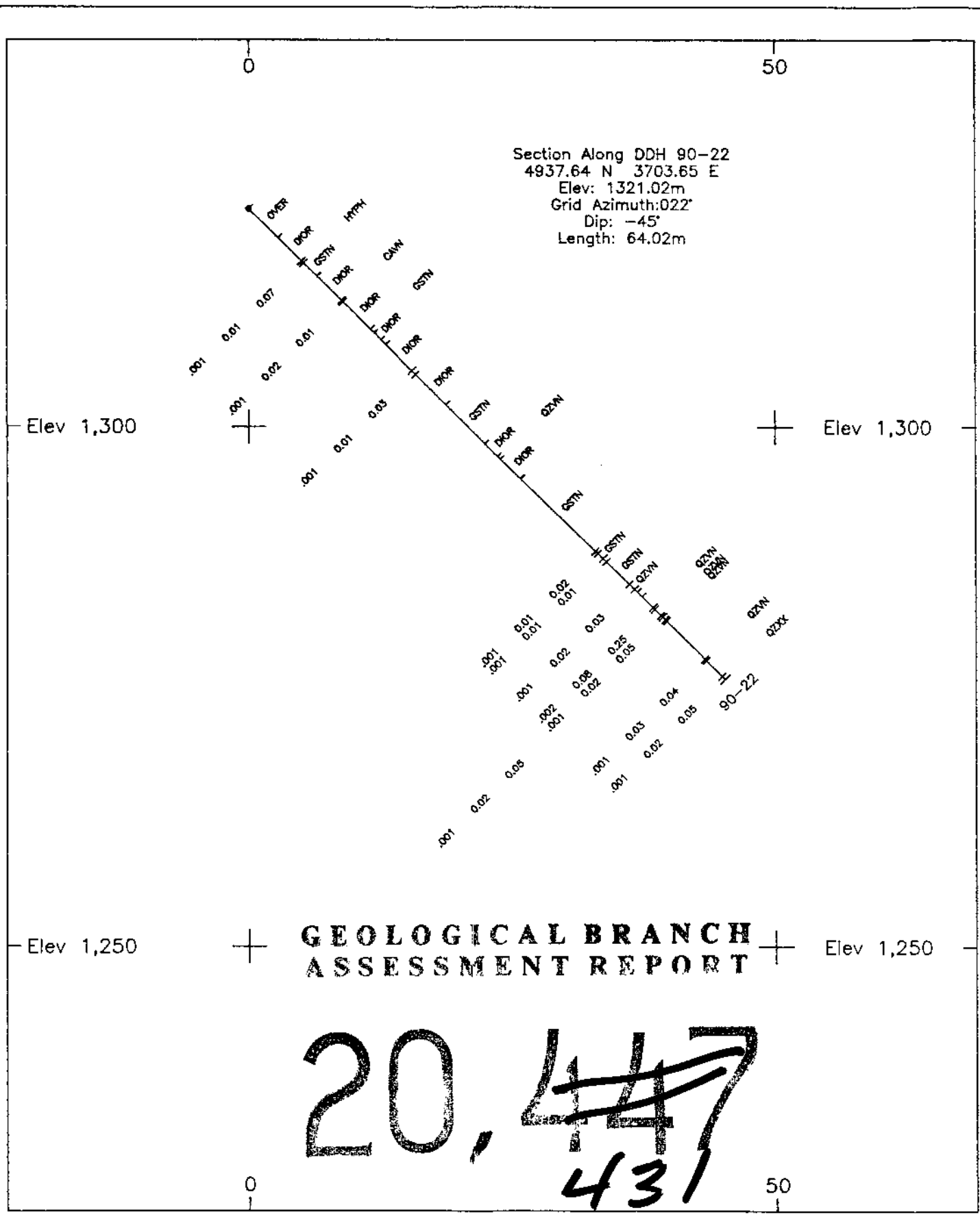

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