85-95 - 14289

PROSPECTING REPORT ON THE

GOLD WEATHER GROUP

INCLUDING THE

GOLDEN MIST, RECORD No. 1664

GOLD HAZE, RECORD No. 1665

GOLD BREEZE, RECORD No. ~~1666~~ 1667

GOLD CLOUD, RECORD No. ~~1667~~ 1666

GOLD DOG, RECORD No. 1670

03/86

HEDLEY AREA

OSOYOOS MINING DIVISION

BRITISH COLUMBIA

N.T.S 92 H8E

FILMED

S.E. CORNER AT 49°-26' N, 120°-08'W

OWNER/OPERATOR GOLDEN DAWN EXPLORATIONS LTD.
#302-540 Burrard St.,
Vancouver, B.C.
V6C 2K1

AUTHOR M. R. SANFORD, GEOLOGIST

MARCH 18, 1985

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,289

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INTRODUCTION

NATURE AND SCOPE OF THE STUDY

In the geophysical report done on the property by Geotronics Surveys Ltd., dated October 5, 1983 several areas of interest were outlined. The most prominent of these is a very strong magnetic high in the north-eastern corner of the property as shown on Figures 3 and 4. David Mark, geophysicist with Geotronics Surveys, Ltd., recommended that a thorough prospecting of the property be carried out as a follow-up to the geophysical study. This report is a result of that recommendation.

The object of the study was to delineate areas of potential commercial mineralization, paying particular attention to possible occurences of gold and silver.

The prospecting study was carried out at two levels. First, a reconnaissance survey was undertaken to examine and sample easily accessible rocks on the property in general. These included examinations and sampling of outcroppings along the various roads on the claims, in the logged off areas, and other outcrops on the property. Second, a more detailed study of the strong magnetic high described above was undertaken. This included detailed prospecting and sampling of mineralized outcrops in the vicinity of the magnetic high.

LOCATION OF THE PROPERTY

The southeast corner of the property is found 9 km N 20°W of the town of Hedley, B.C. and has geographical co-ordinates of 49°26'N latitude and 120°08'W longitude. Its eastern boundary lies roughly one km. west of McNulty Creek and close to the McNulty Creek logging road. The property lies just east of Arcat Creek.

ACCESS TO THE PROPERTY

The property is accessed by the McNulty Creek logging road, which joins the Number 3 Highway 5 km. west of Hedley. There are several spur roads that access the property from the main road. One of these small spur roads ends within 1.5 km of the lake located in the northern part of the claim group.

PROPERTY AND OWNERSHIP

The property consists of five contiguous claims totalling 82 units as shown on Figure 2, and as described below:

Claim Name	No. of Units	Record No.	Recording Date
Golden Mist	16	1664	February 22
Gold Haze	18	1665	"
Gold Cloud	18	1666	"
Gold Breeze	18	1667	"
Gold Dog	12	1670	"

The five claims are owned by Golden Dawn Exploration, Ltd., of Vancouver, B.C.

HISTORY OF THE PROPERTY

The property was staken in February, 1983 for Golden Dawn Explorations Ltd. In March and April, 1983 airborne magnetic and VLF-EM surveys were carried out over the property.

A brief ground-mag survey followed in October, 1983 to confirm the presence of the very high magnetic anomaly in the north-eastern corner of the property. Mineralized float and outcrops were observed by the survey crew, as well as very old pits and trenches near the location of the magnetic anomaly.

It was decided in 1984 that the property should be prospected and sampled and that the area around the magnetic anomaly, and especially the area around the old workings be thoroughly prospected and sampled.

SUMMARY OF THE WORK PERFORMED

A reconnaissance prospecting survey was carried out over the entire property, as well as detailed prospecting around the anomalous area. In all, 165 samples were taken and analysed for gold and silver. The results are tabulated in Figures 5 and 6.

The reconnaissance survey included prospecting most roads on the property, and several traverses into places not accessed by roads. Mineralized rocks were grab sampled, as were representative specimens of the various rock types on the

SUMMARY OF THE
WORK PERFORMED (continued)

property. Also quartz and calcite bearing rocks were sampled. All the samples taken were chipped from outcrops in place. Sixty samples were taken and analysed in this part of the programme.

The detailed survey included thorough prospecting of the anomalous area and close-interval sampling over outcrops of high interest. Chip samples were taken over 1 meter intervals along lines spaced 3 meters apart on outcrops where the most intense mineralization was observed. In all 105 samples were taken and analysed in this part of the programme.

PROSPECTING REPORT: A DISCUSSION OF OBSERVATIONS AND RESULTS

RECONNAISSANCE PROSPECTING

The property is considered to be a very promising prospect because of its geology and proximity to the Nickel Plate and other ore bodies of the Hedley area. These ore bodies were developed in skarn rocks near the contact of Cretaceous granodiorite and Triassic sediments of the Nicola Group, including limestone, argillite, chert, tuffs, minor clastic sediments, and minor volcanic flows. In the vicinity of the Nickel Plate Mine plugs and irregular sills and dykes of diorite and gabbro intrude the country rocks, and seem to be a control of the mineralization. Gold bearing arsenopyrite, chalcopyrite, bornite and pyrrhotite were the most common minerals associated with economic deposits. Recently, gold has also been found in skarns with no accompanying associated sulphides at the Nickel Plate Mine.

On the Golden Dawn claims, the same lithology exists, though limestones are rare and poorly developed in discontinuous lenses and beds. Hence the development of the skarns is limited, though minor skarns were observed in the area of the magnetic anomaly, and close to the contact zone between the Nicola Group Sediments and the granodiorite.

Prospecting the contact zones and sampling the skarns and mineralized rocks was concentrated on in the survey.

On the nearby property of Banbury Gold Mines, and on the old Hedley Amalgamated Prospect, gold and associated sulphides including arsenopyrite, sphalerite, chalcopyrite, pyrite and pyrrhotite, are found in quartz-calcite veins, and to a small extent in vein stockwork in the sedimentary rocks. Also quartz-calcite-arsenopyrite stockwork is found in the granodiorite on the Mission claims of Agio Resources. Occurrences of quartz and/or calcite with accompanying sulphides on the Golden Dawn Claims were sampled.

Assay results of the reconnaissance part of the programme yielded gold amounts from trace values to 0.010 troy ounces per ton, and silver amounts from trace values to 0.08 ounces per ton. The best of these results came from mineralized veinlets in the sediments adjacent to the contact with the granodiorite.

Because there is little outcrop exposed on the property, especially in the south west corner, methods other than prospecting must be used to further explore the potential of the ground.

Pyrrhotite was encountered in Nicola argillites in the south west part of the property, as well as along the northernmost claim line. For the most part the pyrrhotite occurred disseminated throughout the rocks, and was very fine grain size. Concentration into fine blebs and smears along fractures was observed.

DETAILED PROSPECTING

Disseminated pyrrhotite was observed in the Nicola rocks on an east facing scarp on the northern boundary of the property, and locally it was of considerable concentration, though not massive. The pyrrhotite occurred with a fine, dense green-brown skarn possibly interbedded with a hard grey to black cherty argillite.

This area corresponds with the magnetic anomaly, and the outcrops which were the most highly mineralized were at the center of the anomaly. Old trenches and pits had been excavated within 15 meters of these outcrops, but the excavated material was poorly mineralized.

Eleven channels spaced 3 meters apart were chipped across the N-W trending outcrop. Six to thirteen samples were taken on 1 meter intervals along the channels, depending on the exposure and overburden. These results are tabulated in Figure 6.

A crude zoning of gold mineralization is evident from the results. In general the gold values were weak, ranging from trace values to 0.018 oz/ton. Silver values ranged from 0.02 oz/ton to 0.08 oz/ton.

Sample locations are shown on Figure 4.

CONCLUSIONS

The results of the 1984 prospecting show that gold in small amounts occurs on the property.

The property has favourable geology and several fairly highly mineralized areas were encountered. It is expected that with intensified exploration efforts, other and stronger zones of interest will be delineated.

ITEMIZED COST STATEMENT

Geological prospecting by M. R. Sanford Nov. 6, 1984 to Nov. 30, 1984 194 hrs. @ $22.00/hr.	$4268.00
Transportation expenses Rental: 21 days @ $25.00/day Fuel: 21 days @ $22.50/day	$ 525.00 $ 472.50
Samples assayed by Banbury Gold Mines Ltd. lab. 165 samples @ $15.00/sample	$2475.00
Report preparation by M. R. Sanford 28 hrs. @ $20.00/hr.	$ 560.00
Typing and miscellaneous office expenses	$ 130.00
TOTAL VALUATION OF WORK	$8430.50

I, Michael R. Sanford, of Hedley, B.C., certify that the prospecting survey was carried out on the property described, owned by Golden Dawn Explorations Ltd. at a cost of $8,430.50.

MICHAEL R. SANFORD

AUTHOR'S QUALIFICATIONS

I, Michael Robert Sanford, of Hedley, B.C., do hereby certify:

1. That I am a graduate of the University of British Columbia (1978) and hold a B.Sc. degree in Geology.
2. That I have worked for the past 5 years in the field of geology and mining.
3. That I have been a geologist in the Hedley area working for Banbury Gold Mines Ltd. for the past 4 years.
4. That this report is compiled from data collected in the field between November 6, 1985 and November 30, 1985, on the Golden Mist, Gold Haze, Gold Cloud, Gold Breeze, and Gold Dog claims, record numbers 1664, 1665, 1666, 1667, and 1670 respectively, in the Osoyoos Mining Division.

Michael R. Sanford,
Geologist

March 18, 1985.

FIGURE 1.

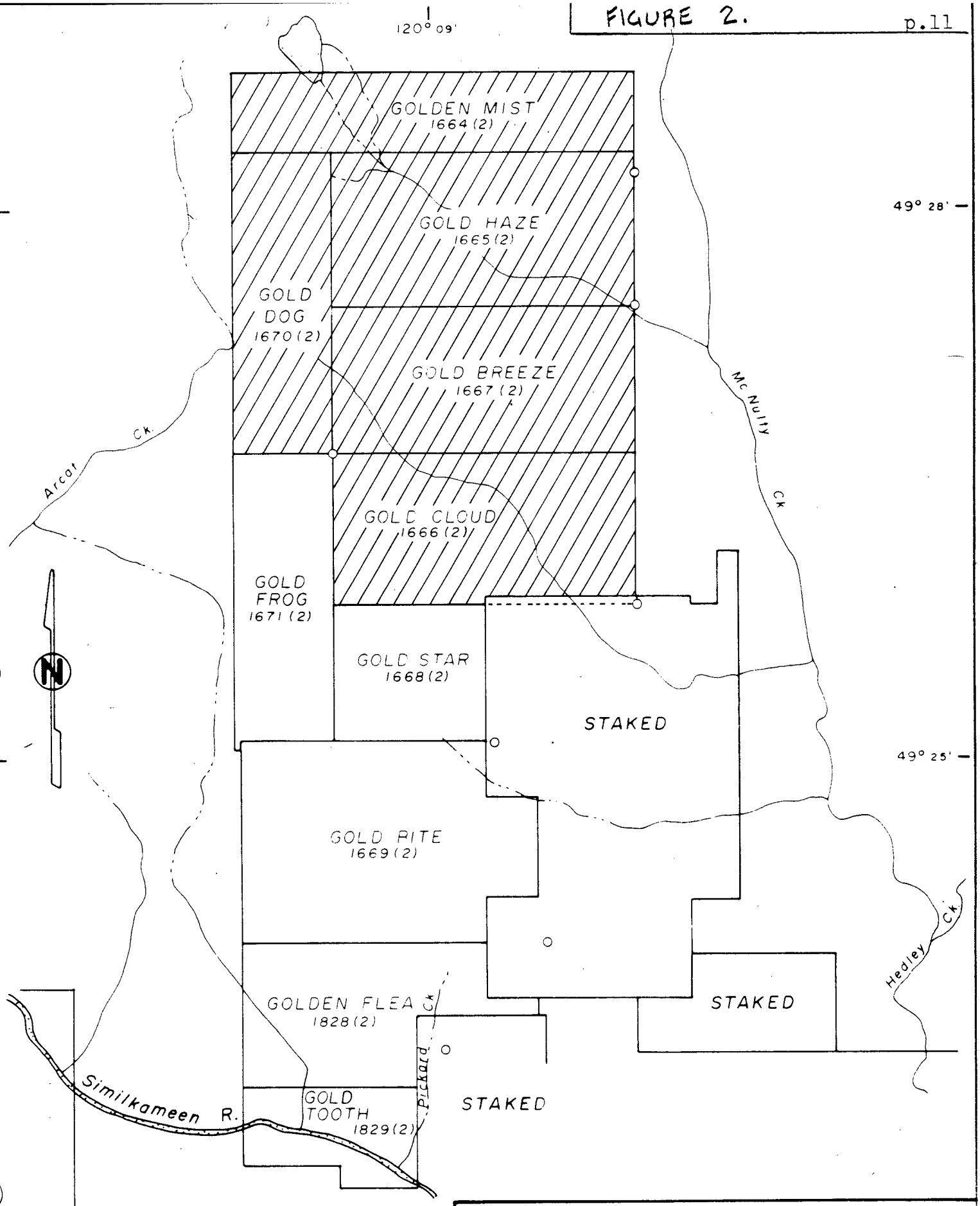
GOLDEN DAWN EXPLORATIONS LTD.

PROPERTY LOCATION MAP

SCALE

Km. 100 50 0 100 200 300 400 Km.

Miles 100 50 0 100 200 Miles



GOLDEN DAWN EXPLORATIONS LTD.			
HEDLEY CAMP PROJECT OSOYOOS M.D. HEDLEY, B.C.			
CLAIM LOCATION MAP			
1 50,000	Aug. 83	Sheet no 2	B.D.S

FIGURE 3.

MAP OF SAMPLE LOCATIONS

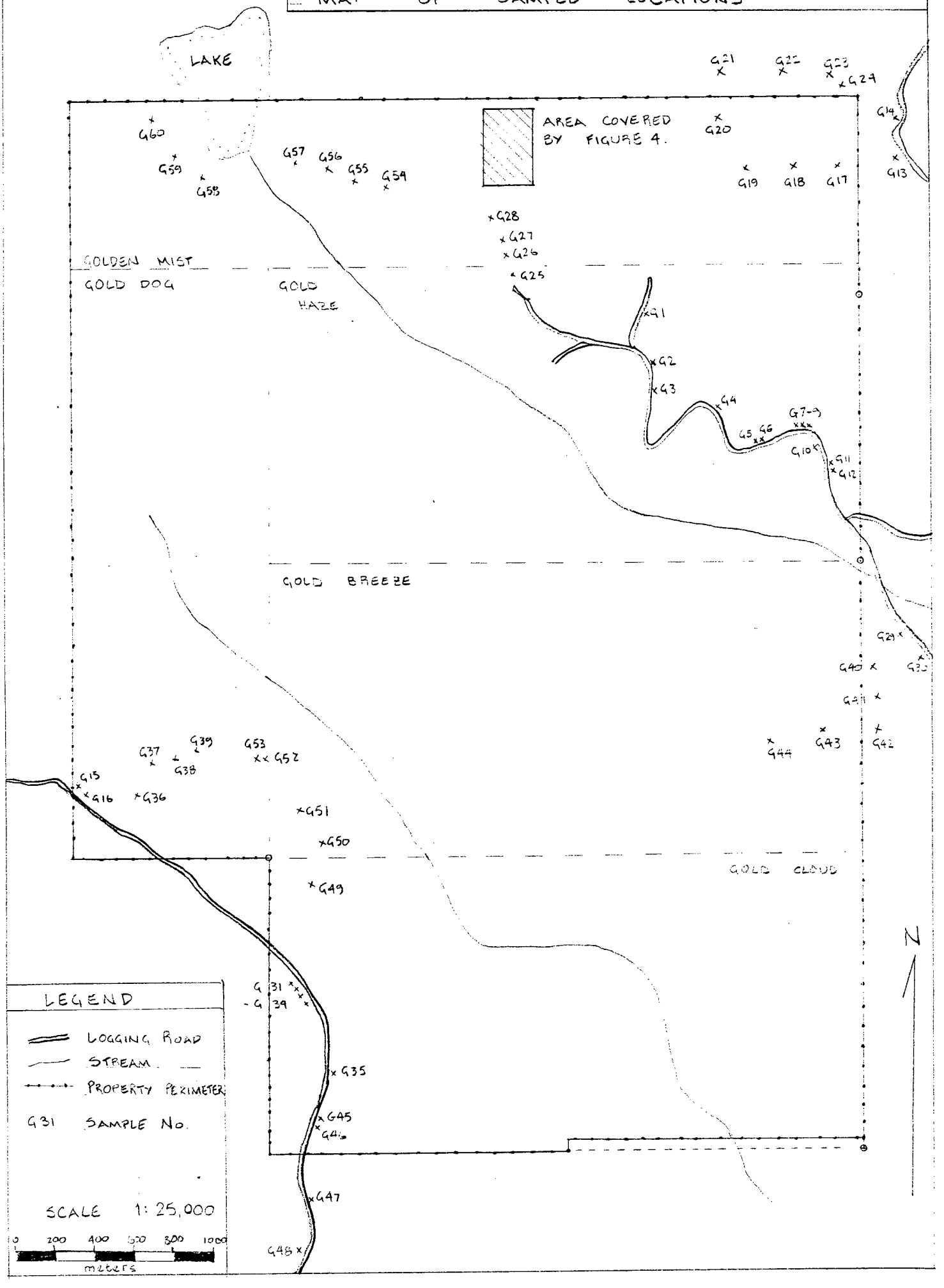
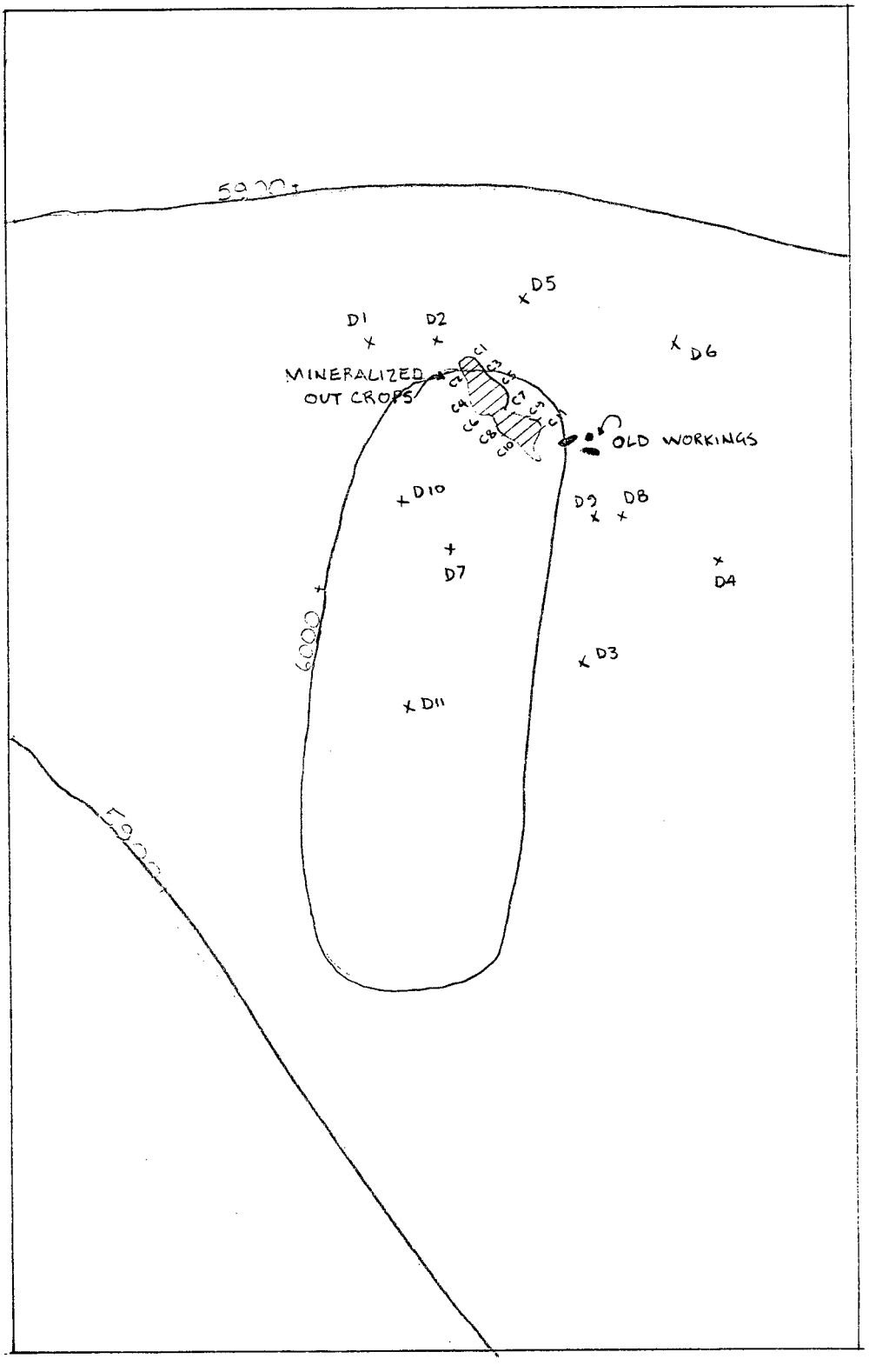


FIGURE 4.

MAP OF AREA PROSPECTED IN DETAIL SHOWING SAMPLE LOCATIONS



GOLDEN DAWN EXPLORATIONS

5900 MAGNETIC CONTOUR

SCALE 1: 2000

0m 25m 50m 75m 100m

FIGURE 5.

TABLE OF ASSAY RESULTS FROM RECONNAISSANCE PROSPECTING TO ACCOMPANY FIGURE 3.

SAMPLE #	DESCRIPTION	OZ/Ton Au	OZ/Ton Ag
G1	Quartz-calcite	.004	.02
G2	Quartz-pyrite	.004	.03
G3	Pyrite	.009	.05
G4	Calcite-Pyrite	.002	.02
G5	Quartz	tr	.02
G6	Quartz	tr	.03
G7	Quartz	.006	.05
G8	Calcite Pyrite	.003	.03
G9	Argillite-Pyrite	.003	.03
G10	Argillite-Pyrite	.004	.03
G11	Calcite	tr	.02
G12	Quartz-Pyrr.	.007	.04
G13	Quartz-Pyrite	.003	.02
G14	Quartz-Calcite	.003	.03
G15	Skarn-Pyrr.	.008	.07
G16	Argillite-Pyrr.	.003	.02
G17	Calcite-Grando.	tr	.02
G18	Quartz-Pyrite	tr	.02
G19	Quartz-Pyrite	tr	.02
G20	Skarn-Pyrr.	.006	.05
G21	Skarn-Pyrr.	.004	.02
G22	Argillite-Pyrr.	.003	.02
G23	Skarn-Calcite	.003	.03
G24	Quartz	tr	.02
G25	Quartz-Pyrite	tr	.02

TABLE OF ASSAY RESULTS FROM RECONNAISSANCE PROSPECTING TO ACCOMPANY FIGURE 3. (continued)

SAMPLE #	DESCRIPTION	Oz/Ton Au	Oz/Ton Ag
G26	Quartz-Calcite	.007	.08
G27	Quartz-Calcite	tr	.03
G28	Calcite	.003	.03
G29	Calcite-Pyrite	.003	.04
G30	Quartz-Pyrite	tr	.02
G31	Skarn-Calcite	.006	.03
G32	Argillite-Calcite	.003	.02
G33	Skarn-Pyrr.	.007	.05
G34	Skarn-Pyrr.	.008	.05
G35	Skarn-Pyrr.	.006	.04
G36	Argillite-Quartz	tr	tr
G37	Argillite Calcite	tr	tr
G38	Calcite	.003	.02
G39	Skarn	.005	.06
G40	Cherty-Argillite	.003	.02
G41	Quartz-Calcite	tr	.03
G42	Quartz-Pyrite	.004	.02
G43	Quartz-Pyrite	.004	tr
G44	Quartz-Pyrite	.003	.04
G45	Skarn-Pyrite	.007	.06
G46	Skarn-Pyrr.	.007	.02
G47	Argillite-Pyrr.	.003	.02
G48	Argillite-Pyrr.	.006	.04
G49	Skarn-Pyrr	.007	.03
G50	Skarn-Pyrr.	010	.08

TABLE OF ASSAY RESULTS FROM RECONNAISSANCE PROSPECTING TO ACCOMPANY FIGURE 3. (continued)

SAMPLE #	DESCRIPTION	Oz/Ton Au	Oz/Ton Ag
G51	Argillite-Pyrr.	.003	.02
G52	Argillite-Calcite	.003	.02
G53	Argillite-Pyrr.	.007	.02
G54	Tuff-Pyrite	.010	.02
G55	Argillite-Pyrite	.003	.04
G56	Quartz-Calcite	tr	.03
G57	Quartz-Pyrite	.006	.05
G58	Argillite	tr	.02
G59	Quartz-Pyrite	.003	.02
G60	Granodiorite	tr	tr

FIGURE 6.

TABLE: ASSAY RESULTS FROM DETAILED PROSPECTING

TO ACCOMPANY FIGURE 4.

Note: All channels taken from SW to NE.
Pyrr. = Pyrrhotite; Cpy. = Chalcopyrite; Bor. = Bornite

SAMPLE #	OZ/ton Au	Oz/ton Ag	Sulphides
C1 1	tr	0.03	2% Pyrr.
2	tr	0.02	5% Pyrr.
3	0.005	0.02	2% Pyrr.
4	0.005	0.06	10% Pyrr.,tr.CPY
5	tr	0.02	3% Pyrr.,tr.CPY
6	0.007	0.06	5% Pyrr.
C2 1	tr.	0.02	2% Pyrr.
2	0.003	0.02	2% Pyrr.
3	0.007	0.05	5% Pyrr.
4	0.006	0.02	5% Pyrr.
5	tr.	0.04	3% Pyrr.
6	0.007	0.03	5% Pyrr.
7	0.009	0.08	15% Pyrr.,tr.CPY, tr. Bor
C3 1	tr.	0.02	2% Pyrr.
2	tr.	0.03	1% Pyrr.
3	0.004	0.07	5% Pyrr.
4	0.007	0.03	5% Pyrr.
5	0.007	0.02	3% Pyrr.
6	0.005	0.08	5% Pyrr.
7	0.009	0.08	10% Pyrr.,tr.Bor
8	0.003	0.03	5% Pyrr.

TABLE: ASSAY RESULTS FROM DETAILED PROSPECTING TO ACCOMPANY FIGURE 4. (continued)

SAMPLE #	OZ/ton Au	Oz/ton Ag	Sulphides
C4 1	tr.	0.05	tr.Pyrr.
2	tr.	0.02	tr.Pyrr.
3	tr.	0.02	2% Pyrr.
4	0.003	0.02	5% Pyrr.
5	0.003	0.02	5% Pyrr.
6	0.009	0.03	10% Pyrr.
7	0.008	0.06	10% Pyrr.
8	0.006	0.08	5% Pyrr.tr.CPY
9	0.003	0.02	5% Pyrr.
10	0.005	0.02	3% Pyrr.
C5 1	tr.	0.03	2% Pyrr.
2	tr.	0.02	tr. Pyrr.
3	0.007	0.03	3% Pyrr.
4	0.003	0.03	5% Pyrr.
5	0.004	0.05	tr.Pyrr.
6	0.007	0.03	5% Pyrr.
7	0.009	0.07	10% Pyrr.
8	0.013	0.08	15% Pyrr.,tr.CPY,tr.BOR
9	0.010	0.08	10% Pyrr.,tr.CPY
10	0.004	0.08	5% Pyrr.
11	0.006	0.03	2% Pyrr.
12	0.003	0.02	2% Pyrr.
13	tr.	0.03	tr.Pyrr.

TABLE: ASSAY RESULTS FROM DETAILED PROSPECTING TO ACCOMPANY FIGURE 4. (continued)

SAMPLE #	OZ/ton Au	Oz/ton Ag	Sulphides
C6 1	0.004	0.02	2% Pyrr.
2	tr.	0.02	tr. Pyrr.
3	0.006	0.02	2% Pyrr.
4	0.005	0.03	5% Pyrr.
5	0.009	0.02	5% Pyrr.
6	0.013	0.02	3% Pyrr.
7	0.018	0.06	15% Pyrr.,tr.Bor.
8	0.010	0.07	5% Pyrr.
9	0.007	0.08	10% Pyrr.
C7 1	.003	0.03	2% Pyrr.
2	tr.	0.03	tr. Pyrr.
3	.003	0.02	2% Pyrr.
4	.003	0.05	2% Pyrr.
5	.007	0.08	3% Pyrr.
6	.009	0.08	5% Pyrr.
C8 1	tr.	0.03	tr.Pyrr.
2	tr.	0.02	2% Pyrr.
3	tr.	0.05	tr. Pyrr.
4	0.010	0.03	5% Pyrr.
5	0.004	0.03	5% Pyrr.
6	0.010	0.08	3% Pyrr.
7	0.007	0.08	tr.Pyrr.
8	0.009	0.08	5% Pyrr.

TABLE: ASSAY RESULTS FROM DETAILED PROSPECTING TO ACCOMPANY FIGURE 4. (continued)

SAMPLE#	OZ /ton Au	Oz/ton Ag	Sulphides
C9 1	tr.	0.02	tr.Pyrr.
2	tr.	0.02	tr.Pyrr.
3	tr.	0.02	tr.Pyrr.
4	0.007	0.03	3% Pyrr.
5	0.007	0.05	5% Pyrr.
6	0.003	0.05	2% Pyrr.
7	tr.	0.03	5% Pyrr.
8	0.004	0.02	3% Pyrr.
C10 1	0.005	0.03	tr. Pyrr.
2	tr.	0.02	3% Pyrr.
3	tr.	0.03	2% Pyrr.
4	0.003	0.05	tr. Pyrr.
5	0.010	0.08	5% Pyrr.,tr.Bor.
6	0.003	0.06	3% Pyrr.
7	tr.	0.03	tr. Pyrr.
8	0.009	0.03	2% Pyrr.
9	0.003	0.05	3% Pyrr.
C11 1	tr.	0.02	tr. Pyrr.
2	tr.	0.02	tr. Pyrr.
3	tr.	0.02	2% Pyrr.
4	0.003	0.02	3% Pyrr.
5	0.005	0.02	5% Pyrr.
6	tr.	0.03	3% Pyrr.

TABLE: ASSAY RESULTS FROM DETAILED PROSPECTING TO ACCOMPANY FIGURE 4. (continued)

SAMPLE #	OZ/ton Au	Oz/ton Ag	Description
D1	0.006	0.03	Skarn,2% Pyrr.
D2	tr.	0.02	Argillite & Quartz
D3	tr.	0.02	Argillite,tr.Pyrr.
D4	0.003	0.06	Skarn
D5	tr.	0.03	Skarn & Argillite
D6	0.007	0.06	Argillite,t.Pyrite
D7	0.007	0.04	Skarn & Argillite
D8	tr.	0.02	Argillite & Calcite
D9	tr.	0.02	Quartz & Calcite
D10	0.003	0.02	Skarn,2% Pyrr.
D11	0.006	0.04	Skarn,2% Pyrr.