1220

FILE NO:

GEOCHEMICAL ASSESSMENT REPORT

on the

GOLDEN STAR AND ORO 1-4 CLAIMS

New Westminster M.D.

Lat. 49 18'N Long. 122 23'W

92G/8W

FILMED

For Owner

007 Precious Metals Inc.

November, 1988
Vancouver, B.C.

J. Zastavnikovich
Geochemical Consultant

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GEOCHEMICAL REPORT ON THE GOLDEN STAR and ORO 1-4 CLAIMS
New Westminster M.D., Southwestern B.C.

INTRODUCTION & DESCRIPTION

THE GOLDEN UNIVERSE group of mineral claims contains 60 units and consists of the Sun 1-8 (8 units), Star 1-8 (8 units), AU 1-8 (8 units), Golden Sun (16 units), and the Golden Star, Record No. 3058, mineral claims. The one-unit ORO 1-4 claims, Record Nos. 2978-81, lie 400m west of the Golden Sun claim, Figs. 2&3. The claim group is located 20km northeast of Haney in the New Westminster Mining Division, on map NTS 92G/8W.

The ORO 1-4 two-post claims were staked in September 1986, while the Golden Star 20-unit claim was staked in November 1986, as indicated below:

Claim Names	Units	Record No.	Expiry Date *
Golden Star	20	3058	Nov 26, 1989
Oro 1-4	1 each	2978-81	Sep 22, 1989

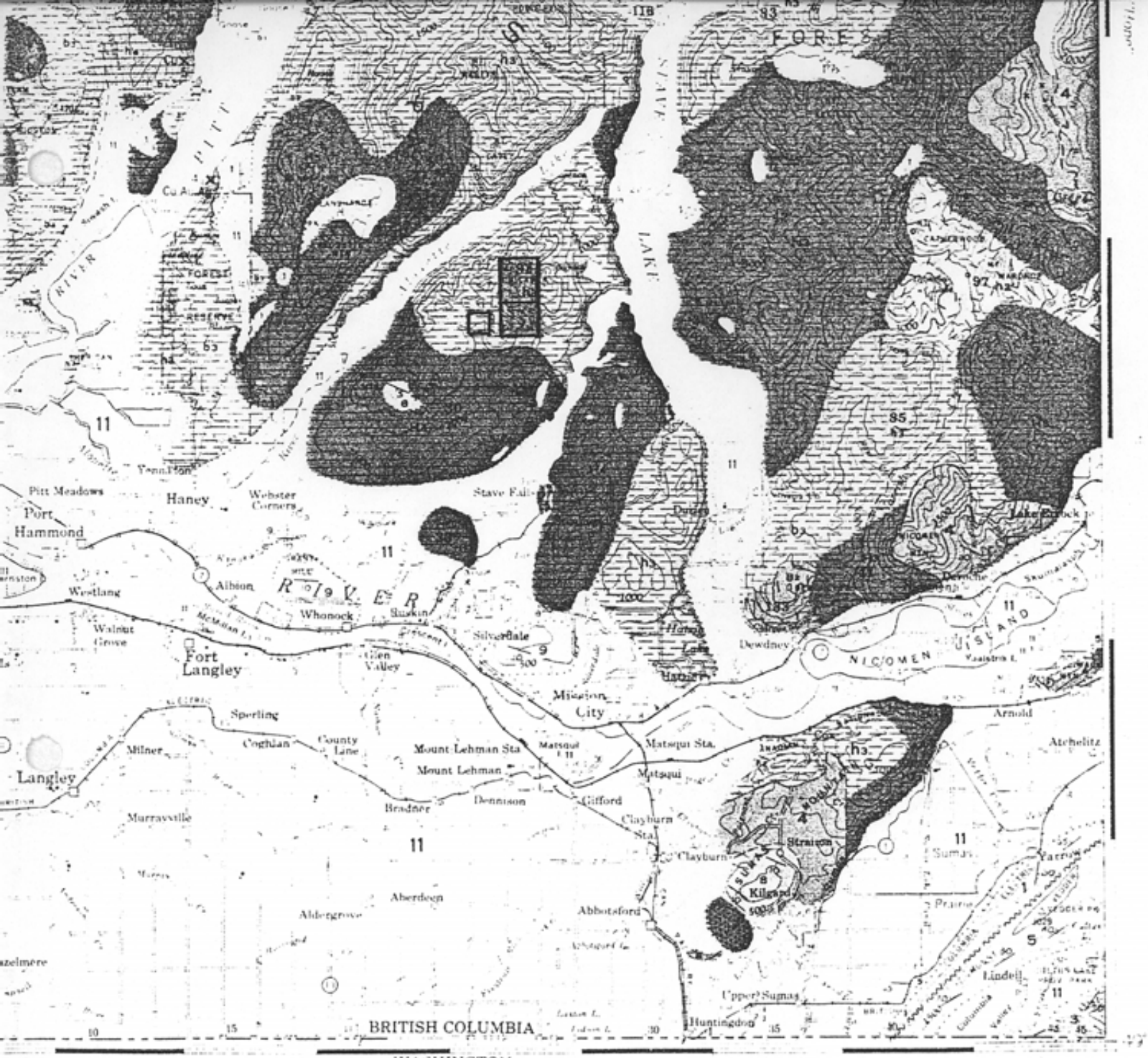
* Upon approval of this Report.

On Aug 30 & Sep 04 the writer visited the Oro claims, and Sep 29 & Oct 19 the Golden Star claim to collect stream sediments and rock outcrop samples in order to help identify geochemical parameters best suited for geochemical evaluation of the mineral potential of the claims.

Access to the claim group is by car or truck from Haney via paved Dewney Trunk Road to the Stave Lake Dam. The remaining four kilometers are serviced by a good allweather gravel logging road. Local access on the claim group is provided by 4-wheel drive spur roads along the north and south sides of Kearsley Creek, and across the ridge into the Seventynine Creek drainage, as shown on Fig. 3.

PHYSIOGRAPHY

The Golden Star claim lies equidistant between the Alouette and Stave Lakes, and straddles the steep slopes of Mt. Crickmer south to Kearsley Creek, while the Oro claims lie 1km to the southwest in the headwaters of Seventynine Creek in the Coast Range Mountains just above the Fraser Valley Lowland. The rugged, often precipitous, slopes range in elevation from 350m in the lower Kearsley Creek to Mount Crickmer Peak at 1,357m, for a total relief of some 1,000 meters. The Kearsley Creek cuts southeasterly through the central portion of the claims group while Sevetynine Creek flows southerly across the Oro claims. Outcrop cliffs are present at the highest elevations and in the creek canyons, in between which the area is mantled by extensive glacial debris cover.



MAP 1151A

GEOLOGY

PITT LAKE

(Vancouver, East Half)

BRITISH COLUMBIA

Scale 1:253,440

1 inch to 4 miles

Miles 4 0 4 8 12 Miles

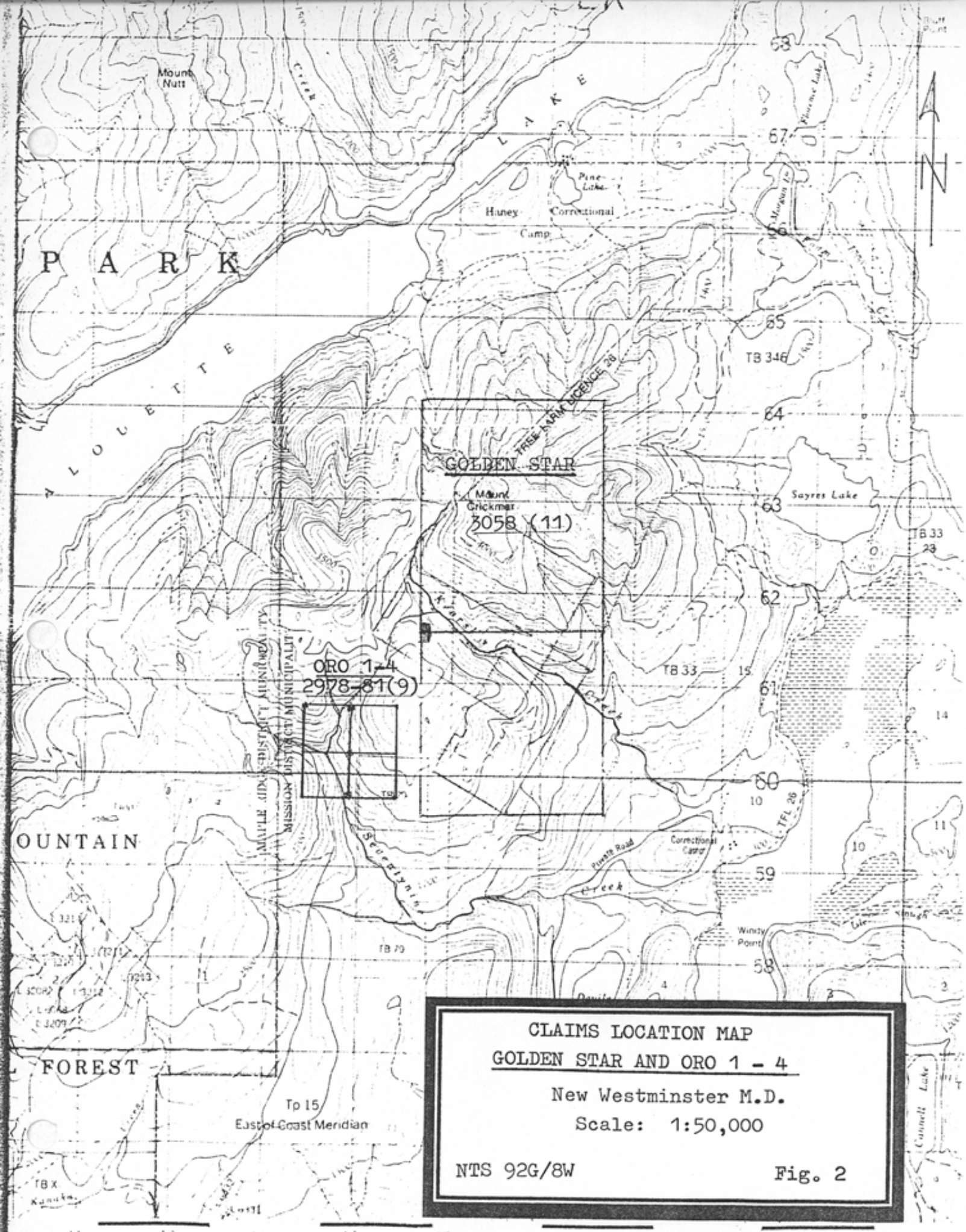
Kilometres 6 0 6 12 18 Kilometres

INDEX MAP

GOLDEN UNIVERSE GROUP CLAIMS

NTS 92G/8W

Fig. 1.



CLAIMS LOCATION MAP

GOLDEN STAR AND ORO 1 - 4

New Westminster M.D.

Scale: 1:50,000

NTS 92G/8W

Fig. 2

GENERAL GEOLOGY

The only geological mapping in the area was done by the GSC geoologists in 1965 at a scale of 1:250,000 (Memoir 335 by J.A. Roddick) according to which the general claims area is underlain by medium-grained quartz diorite containing about 10% mafic minerals, with the more complex areas also containing medium- to fine-grained dark hornblende diorite (page 231). While sampling along the streams, basic volcanic float was observed by the writer in the Kearsley and Seventynine Creek drainages, suggesting the possibility of minor roofpendants in the claims area.

No known mineral occurences exist on the Golden Star and Oro claims, but several old workings are said to exist in the immediate vicinity of the claims, though no reports are known showing their locations.

GEOCHEMICAL SURVEY

Geochemical stream sediment and outcrop sampling surveys on a reconnaissance scale were conducted by the writer on Aug 30th and Sep 4th along the Seventynine Creek in the central portion of the Oro 1-4 mineral claims and on Sep 29 and Oct 19 this year along Kearsley Creek and roads in the southwestern portion of the adjacent Golden Star claim, as shown on the 1:10,000 scale sample location map, Fig. 3, in pocket.

The purpose of the sampling surveys was to establish the presence of geochemically anomalous concentrations of gold and attendent trace elements values in stream sediments and outcrop samples on the property, which in turn could indicate effective followup exploration methods for precious metals in the claims area.

On the Oro claims a perforated pan and sieve device was used to collect a total of seven high-quality field-sieved stream sediment samples from the active stream channels of the Seventynine Creek and its tributaries in order to help standardize the unifority of sampled material and enhance the reproducibility of the analytical values. In addition, twelve grab samples of siliceous and/or sulfide-bearing outcrops were collected along the sediment sampling traverse on the Oro claims, as described in the Rock Sample Notes, Appendix I, in the back of the report.

Along Kearsley Creek and the uppermost logging road on the Golden Star claim, fourteen and sixteen grab samples respectively were collected from siliceous or sulphide-bearing veinlets and/or altered shear ones, as described in Appendix I and shown on the sample location map, Fig. 3.

The regular -80 mesh fraction from both sediment and rock samples was processed and analyzed for 30 elements by ICP, plus mercury and gold, at the Min-En Laboratory in North Vancouver, using standard geochemical methods described in Appendix II. Complete analytical results are presented directly on the geochemical 1:10,000 scale sample location map, which also shows topographic contours and the claims group outline, Fig. 3, in pocket, and are also enclosed as Appendix III at the back of the Report.

Stream Sediment Geochemistry

A specially construted perforated pan and sieve was used for field-sieving of the stream sediment samples in order to enhance the uniformity of the sampled material, which in turn makes it possible to identify subtle trace element anomalies.

A total of seven stream sediment samples was collected at approximately 1/2km intervals, along Seventynine Creek where it traverses the Oro claims, and on three of its western tributaries. As presented on the geochemical map, Fig. 3, the analytical values mildly indicate relatively enhanced trace element levels in silver, arsenic, cadmium, copper, potassium, zinc and mercury in the headwaters samples no. sed.#1,2, and 4, suggesting presence of undiscovered shear zones with minor alteration in the northern portion of the Oro claims. Of particular importance may be the very relatively anomalous copper value of 118 ppm Cu in the tributary sample sed.#4.

The presence of geochemically anomalous gold values in four of the seven stream sediment samples, ranging from 28-295 ppb Au, Fig. 3, clearly indicates the adequacy of field-sieved sediment samples for gold detectability in the claims area. It does not however avoid the problem of the nugget effect due to sub-sample analysis, which can only be avoided by heavy mineral processing and subsequent gold analysis of the total H.M. sample fraction.

The highest gold anomaly was found in the lowermost sample in the main Seventynine Creek, sed.#5, Fig. 3, which may be in part due to glacial placering downstream, but is also likely due to better exposures of mineralized quartz veins in that region, as indicated by the outcrop sampling results discussed below.

Rock Geochemistry

Of the 43 rock outcrop samples collected, sample no. SZ1 to SZ12 are grab samples of sulphide-bearing quartz veins and veinlets on the Oro claims along the Seventynine Creek, while nos. Z01-Z14 and BR00W to BR900W are grab samples of siliceous and/or sulphide-bearing and/or altered shears in intrusive outcrops along Kearsley Creek and the upper logging road on the Golden Star claim, as shown on the geochemical sample location map, Fig. 3, and described in Rock Sample Descriptions, Appendix I.

Five of the Oro claims outcrop samples contain geochemically anomalous analytical gold values greater than 40ppb Au, ranging up to 539 ppb Au in SZ9, which is a 20-50cm wide malachite-stained vertically-dipping quartz vein striking 163 southeasterly, located 100m downstream from the confluence of Seventynine Creek with its major westerly tributary, Fig. 3. The second most anomalous rock sample in gold is #SZ10 with 94 ppb Au, of another sulphide-bearing 10-20cm wide quartz vein located 80m upstream from the confluence. Significantly, these two samples are the most anomalous in several trace elements as well, including 11.4 and 15.9 ppm Ag, 2.3 and 3.2 ppm Cd, 11,519 and 31,809 ppm Cu, 336 and 1,372 ppm Mo, 125 and 72 ppm Pb, and 90 and 75 ppb Hg respectively.

As the analytical results indicate, most of the gold-bearing quartz vein outcrop samples on the Oro claims are strongly anomalous in molybdenum, while samples #SZ1&2 and SZ9 also have highly anomalous bismuth values of 37-138 ppm Bi. These may well be related to mineralized structures, although mineralogical studies are needed to determine the mode of occurence of these pathfinder trace elements.

On the Golden Star claim, as shown in Fig. 3, six of the outcrop samples can be considered anomalous in gold, ranging from 39, 43, 89, 95, and 103 ppb Au in samples Z09, BR65W, BR380W,BR610W, and BR611W, to 182 ppb Au in sample #BR70W, most of which represent weak silicified and/or sulphide-containing minor shears as described in Appendix I.

In contrast with the outcrop samples on the Oro claims, the Golden Star outcrop samples are considerably less siliceous, and as the geochemical values indicate, contain considerably lower trace element values. Considering that the former are located at an average elevation some 300 to 400 meters below that of the Golden Star rock samples, the trace element comparisons suggest that the presence and the size of mineralized structures in the claims area should increase with depth.

CONCLUSIONS

1. High quality field-sieved stream sediment samples, and selective sampling of siliceous and/or sulphide-bearing veins and shear zones has effectively demonstrated the presence of geochemically anomalous gold values in the Oro and Golden Star claims area.

2. Based on the reconnaissance scale outcrop sampling survey, the best guides to gold mineralization on the property are zones of silicification, especially where enriched in base metals sulphides.

3. The strong increase in trace element content in siliceous outcrops at lower elevations on the Oro claims, as compared to those on the Golden Star claim, suggests improved likelyhood of finding mineralized structures at depth.

4. Structural studies based on airphoto interpretations followed by thorough prospecting for evidence of silicification and base-metals sulphides, combined with selective geophysical surveys utilizing VLF-EM, magnetometer and I.P., may well lead to identification of mineralized structures, particularly on the Oro claims.

5. Mineralogical study of the molybdenum- and bismuth-enriched outcrop samples is needed to determine the manner of occurence of these pathfinder elements for precious metals.

BIBLIOGRAPHY

Roddick, J.A. - Vancouver North, Coquitlam and Pitt Lake Map Areas, British Columbia. G.S.C. Memoir 335 1963.

Ryback, Hardy V. - Geochemical and Geophysical Report on the Sky Mineral Claims for Skyrocket Exploration and Resources Inc., November 16, 1981. Assessment Report No. 10,040.

Sookochoff, L. - Geological Evaluation Report on the Golden Universe Claim Group, January, 1988.

Zastavnikovich, S. - Geochemical & Geophysical Assessment Report on the Golden Universe Group, December, 1986.

STATEMENT OF EXPENDITURES
Golden Star & Oro 1-4 claims

Fieldwork -

Salaries, S. Zastavnikovich, Geochemist		
4 days @ 250/day	1,000.00	
Travel, 4x4 truck, 4 days @ 40/day	160.00	
Gasoline	77.50	
Mileage, 988km @ 10c	98.80	
Field Expenses, supplies, maps,	53.45	
Sample Delivery	40.00	
		1,429.75

Analysis -

7 Silt Samples for 30 element ICP, fire Au,		
Hg, -80 mesh + prep. @ 19.25	134.75	
43 Rock Samples for 30 element ICP, fire Au,		
Hg, -80 mesh + prep. @ 22.00	946.00	
31 Rocks for total Ba @ 4.50	139.50	
		1,220.25

Report Preparation -

Writing, drafting, filing		
3 1/2 days @ 250.00	875.00	
Typing, Maps & Report Reproduction	160.00	
Mileage and Parking	35.00	
		1,070.00

Total Expenditures $ 3,720.00

STATEMENT OF QUALIFICATIONS

I, Sam Zastavnikovich, do hereby certify that:

1. I am a graduate of the University of Alberta with the Degree of B.Ed. in Physical Sciences, 1969.

2. I have been a practicing exploration geochemist, in continuous employ for thrteen years, with Falconbridge Nickel Mines Ltd. of Toronto and Vancouver as:
   1969-'75, Field geochemist, international.
   '75-'79, Project geologist-geochemist, B.C.
   '79-'82, Exploration geochemist, world-wide, where I was engaged in all aspects of geochemical exploration, including the development of improved sampling techniques and advanced geochemical interpretation, as well as the writing of final, budget, and assesment reports.

3. I am a voting member of the Association of Exploration Geochemists.

4. All the fieldwork was done by myself and/or under my direct supervision.

5. I am a consulting geochemist with offices at 5063-56th St., Delta, B.C.

S. Zastavnikovich, Expl. Geochemist

APPENDIX II

Analytical Procedure - The samples were analyzed by Min-En Laboratories Ltd. of 705 West 15th St., N.Vanc, as follows:

The stream sediments were oven-dried in their original water-resistant kraft paper bags at 95°C and screened to obtain the minus 80 mesh fraction for analysis. The rock samples were crushed and pulverized in a ceramic-plated pulverizer.

A suitable weight og 5.0 or 10.0 grams is pretreated with HNO_3 and $HClO_4$ mixture.

After pretreatment the samples are digested with Aqua Regia solution, then taken up with 25% HCl to suitable volume and aliquot used for the 26 element ICP trace element analysis.

From the major remaining portion of the sample, Gold is preconcentrated by standard fire assay methods, then extracted with Methyl Iso-Butyl Ketone and analyzed by Atomic Absorption.

For Mercury analysis, 1 gram of sieved material is sintered at 90°c for 4 hours, then digested in HNO_3 and HCl acids mixture, and analyzed by the Hatch and Ott flameless AA method.

PHONE: (604) 980-5814 or 988-4524

TELEX: 04-352828

APPENDIX II

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

FIRE GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for Fire Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 15.00 or 30.00 grams are fire assay preconcentrated.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 1 ppb.

COMPANY: 007 PRECIOUS METALS — MIN-EN LABS ICP REPORT — (ACT:F31) PAGE 1 OF 1
PROJECT NO: STAVE LAKE — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 8-1475S/P1
ATTENTION: S.ZASTAVNIKOVICH — (604)980-5814 OR (604)988-4524 — # TYPE SEDIMENT # — DATE:SEPTEMBER 29, 1988

(PPM)	SED#1	SED#2	SED#3	SED#4	SED#5	SED#6	SED#7
AG	.7	.4	.4	.6	.6	.4	.4
AL	12820	14100	11930	15440	6580	9710	11270
AS	21	28	18	16	4	19	18
B	4	4	3	4	6	3	5
BA	68	75	83	89	22	25	52
BE	.8	.8	.8	1.0	.5	.8	.9
BI	7	7	6	7	1	5	7
CA	3820	4390	3340	4360	3220	3910	3920
CD	1.8	.7	1.2	1.5	.9	.5	1.6
CO	16	21	15	18	13	13	16
CU	19	49	19	118	7	7	18
FE	86430	80350	78710	88180	170350	85370	107970
K	1260	1260	1230	1000	590	600	970
LI	8	9	9	9	6	7	8
MG	8140	9170	6450	9030	3550	5200	6630
MN	391	437	330	345	325	359	408
MO	1	1	1	3	3	1	2
NA	210	220	200	230	220	220	200
NI	3	1	2	2	1	2	1
P	640	760	710	620	700	540	630
PB	21	20	14	13	5	22	11
SB	1	1	1	1	7	1	1
SR	19	25	10	29	6	17	17
TH	1	1	1	1	1	1	1
U	1	1	1	1	1	1	1
V	232.0	207.8	243.7	277.4	496.1	260.7	318.5
ZN	38	43	33	30	20	30	33
GA	1	1	1	1	3	2	2
SN	1	2	2	2	1	1	2
W	1	1	1	2	1	1	2
CR	42	42	31	32	45	30	39
AU-PPB	29	13	110	7	295	5	28
HG-PPB	75	75	60	55	35	65	70

COMPANY: 007 PRECIOUS METALS — MIN-EN LABS ICP REPORT — (ACT:F31) PAGE 1 OF 1

PROJECT NO: STAVE LAKE — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 8-1475/P1

ATTENTION: S.ZASTAVNIKOVICH — (604)980-5814 OR (604)988-4524 — # TYPE ROCK GEOCHEM # — DATE:SEPTEMBER 29, 1988

(PPM)	SZ1	SZ2	SZ3	SZ4	SZ5	SZ6	SZ7	SZ8	SZ9	SZ10	SZ11	SZ12
AG	2.3	.9	.8	1.3	1.3	.6	.8	1.2	11.4	15.9	.2	4.1
AL	3730	1540	7630	10760	8690	11490	8530	15970	11190	2490	40100	1580
AS	118	32	1	27	28	39	7	45	37	35	3	26
B	5	6	4	1	1	7	3	1	2	1	1	1
BA	15	6	23	26	41	23	19	44	19	15	1	5
BE	1.0	.9	1.2	.5	.5	1.0	1.3	.6	.3	.7	.6	.5
BI	68	138	9	8	6	1	3	8	37	7	5	2
CA	4540	3180	4330	9200	1510	1720	6060	4530	5050	1240	158110	3560
CD	1.9	.4	2.2	2.4	.5	1.8	.2	.9	2.3	3.2	.4	3.2
CO	107	80	40	11	11	262	69	36	81	103	14	62
CU	161	124	12	88	133	7	348	626	11519	31809	1240	4504
FE	96590	148430	106670	20830	24210	208320	113680	61000	70140	68220	8190	21490
K	930	470	980	840	2000	2260	1040	3260	1010	470	1110	360
LI	6	5	6	6	7	9	7	11	7	4	5	4
MG	3000	1000	5590	4160	4080	9950	8250	18980	8240	1870	3200	810
MN	133	24	164	291	563	411	391	557	600	72	255	42
MO	101	40	108	16	10	83	375	52	336	1372	38	17
NA	140	80	200	360	380	140	330	160	150	200	360	80
NI	1	3	3	6	7	1	4	34	6	14	9	7
P	220	50	280	320	420	300	370	690	640	980	290	210
PB	22	20	21	16	19	51	31	26	125	72	21	21
SB	1	1	5	3	2	9	2	1	4	1	1	1
SR	12	10	25	45	10	6	12	8	34	40	6	6
TH	1	1	1	1	1	1	1	1	1	1	1	1
U	1	1	1	1	1	1	1	1	1	1	1	2
V	11.9	6.2	38.3	26.3	23.5	59.3	71.4	145.9	42.7	17.2	18.6	7.3
ZN	28	31	19	21	33	287	63	48	52	103	15	15
GA	1	1	1	3	2	2	1	5	1	1	1	1
SN	1	1	1	2	1	1	1	3	2	2	4	1
W	3	1	3	4	5	1	5	10	1	1	1	81
CR	184	154	189	181	216	157	206	292	187	206	24	216
AU-PPB	76	41	13	10	18	86	23	7	539	94	16	8
HG-PPB	40	35	45	45	65	95	55	40	90	75	50	45

COMPANY: 6007 PRECIOUS METALS | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 3

PROJECT NO: STOVE LAKE | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-2108R/P1+2

ATTENTION: SAM ZASTAVNIKOVICH | (604)980-5814 OR (604)988-4524 | * TYPE ROCK GEOCHEM * | DATE:DECEMBER 7, 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
Z01	1.5	6860	12	2	55	.7	7	5100	5.2	15	17	15900
Z02	1.6	20510	12	7	69	.8	10	8420	2.1	28	26	31620
Z03	1.3	15080	15	4	23	.8	9	11790	1.7	18	93	32680
Z04	1.4	5610	20	1	40	.6	8	2550	3.6	8	23	6620
Z05	1.3	10710	14	3	99	.7	9	2840	2.9	8	12	18170
Z06	1.3	5020	16	1	26	.7	7	2030	3.2	9	22	6760
Z07	1.4	14870	15	4	47	.6	10	7120	2.8	11	12	25860
Z08	1.5	13190	15	3	97	.6	8	5380	2.2	9	12	20740
Z09	1.2	18820	14	7	100	.6	7	9080	.3	24	36	50480
Z10	1.3	13660	12	4	86	.4	8	7360	1.5	42	30	50960
Z11	1.3	13560	20	4	7	.5	8	15950	2.1	9	32	13510
Z12	1.3	25570	14	8	87	.7	8	37300	1.0	18	12	34190
Z13	1.5	13030	19	3	80	.6	10	11380	2.6	10	17	13640
Z14	1.2	33480	13	10	242	1.3	7	29820	1.6	19	63	25400
BR00W	.5	54570	29	18	24	.5	9	17390	.1	59	296	80220
BR30E	.6	68660	7	23	36	.8	12	31840	.8	39	109	65960
BR40W	.4	65700	28	22	73	.5	9	19230	1.6	42	102	73860
BR50W	.8	46750	6	15	46	.7	11	25600	.6	26	18	43560
BR60W	.8	46600	25	15	5	.5	10	29390	1.8	32	59	56550
BR65W	.7	35570	17	12	35	.4	7	10900	2.1	52	490	70850
BR70W	1.1	28110	62	10	5	1.1	6	6190	.5	67	903	133190
BR120W	.8	44150	12	16	10	.6	8	30840	1.2	24	40	40190
BR180W	1.1	23730	14	7	48	.6	7	12330	2.3	20	15	27020
BR200W	.6	63590	7	20	85	.7	9	23370	.7	21	52	39850
BR300W	1.0	40780	9	13	108	.8	6	17450	.2	18	52	34790
BR380W	1.2	26580	10	8	82	.7	8	9400	1.6	33	12	51140
BR600W	1.5	24070	19	7	61	.7	11	12590	1.2	17	24	27740
BR610W	1.3	14890	14	5	142	.6	5	3030	1.8	13	23	22400
BR611W	1.4	5450	18	1	88	.5	6	3450	2.5	15	25	8570
BR850W	1.1	29150	6	10	36	.6	7	6530	.2	26	11	61740
BR900W	.8	49510	6	16	36	1.0	9	25900	.3	17	11	36670

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
Z01	1040	7	5570	181	6	1070	9	400	21	6	17	2
Z02	1290	10	12860	687	7	1270	4	1190	18	1	48	1
Z03	740	6	4190	253	12	800	6	530	14	1	41	1
Z04	1070	5	1770	173	6	1110	11	260	11	4	26	2
Z05	1510	6	4200	369	7	1360	7	510	13	2	20	1
Z06	830	5	2940	262	5	1090	16	200	14	4	15	3
Z07	1300	8	7940	623	7	1160	8	730	18	1	43	1
Z08	2320	7	6860	608	7	800	4	670	25	1	83	1
Z09	3000	8	11220	660	3	790	1	950	14	1	55	1
Z10	1360	7	8200	496	10	870	1	2030	11	1	24	1
Z11	330	5	2660	313	6	570	13	330	13	3	93	1
Z12	1870	11	16290	1034	3	1000	5	950	18	1	18	2
Z13	1650	5	3780	326	5	760	8	500	18	3	61	1
Z14	1370	9	15200	606	6	1980	13	400	21	1	220	1
BR00W	470	11	26000	1335	2	2660	2	720	25	2	43	1
BR30E	560	11	18910	972	4	2720	1	720	33	5	86	1
BR40W	850	11	21420	1379	3	1180	2	430	26	4	66	1
BR50W	440	8	15000	1006	5	1060	2	330	27	6	75	1
BR60W	330	9	18750	1320	3	240	2	250	21	7	126	3
BR65W	1320	11	21070	1228	3	210	1	470	24	2	32	1
BR70W	410	9	17820	851	3	100	1	400	20	1	19	1
BR120W	320	7	16290	759	4	250	12	280	28	6	59	1
BR180W	1400	7	11970	697	5	750	5	370	21	1	37	1
BR200W	1340	9	11790	645	5	1080	5	310	27	6	34	1
BR300W	2290	12	11580	999	4	960	3	790	28	1	70	1
BR380W	2860	8	13330	898	4	460	1	400	21	1	42	1
BR600W	1340	6	8250	424	5	530	5	480	20	2	42	1
BR610W	4130	7	4860	887	4	490	7	860	19	2	11	1
BR611W	2210	5	1330	330	8	610	10	110	14	4	9	1
BR850W	1160	12	20180	1517	3	540	6	370	22	3	20	1
BR900W	1840	10	12680	597	4	620	8	600	23	1	30	1

COMPANY: #007 PRECIOUS METALS | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 3 OF 3

PROJECT NO: STOVE LAKE | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-2108R/P1+2

ATTENTION: SAM ZASTAVNIKOVICH | (604)980-5814 OR (604)988-4524 | * TYPE ROCK GEOCHEM * | DATE:DECEMBER 7, 1988

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	AU-PPB	HG-PPB	BA-TOT
Z01	1	14.7	24	3	1	3	95	1	25	320
Z02	1	52.4	65	1	4	1	70	1	15	510
Z03	1	43.7	15	5	1	4	116	2	10	200
Z04	1	12.3	12	4	1	7	141	1	15	190
Z05	1	15.1	22	4	1	4	104	1	15	640
Z06	1	14.5	16	4	1	8	175	1	20	290
Z07	1	35.1	42	4	2	4	127	2	5	710
Z08	1	23.4	53	4	1	5	121	1	5	720
Z09	1	67.0	49	1	1	4	131	39	25	630
Z10	1	24.3	34	2	1	3	121	1	5	600
Z11	1	32.7	12	5	1	10	217	2	10	40
Z12	1	57.9	87	2	3	2	106	1	5	510
Z13	1	19.9	19	5	1	8	179	1	5	420
Z14	1	51.9	34	3	4	5	140	1	15	560
BR00W	1	263.2	100	1	4	2	79	12	20	120
BR30E	1	230.3	68	1	7	1	60	1	10	210
BR40W	1	256.8	88	1	6	1	70	5	20	260
BR50W	1	200.6	58	1	4	3	122	4	5	220
BR60W	1	225.9	64	1	4	1	82	2	10	120
BR65W	1	181.7	127	1	3	1	109	43	5	290
BR70W	1	179.5	105	1	1	1	111	182	15	90
BR120W	1	149.3	37	1	3	2	127	1	20	110
BR180W	1	67.2	102	2	1	2	84	2	15	400
BR200W	1	139.4	35	1	5	1	96	1	25	230
BR300W	1	51.8	57	1	3	1	78	12	25	640
BR380W	1	103.3	57	1	2	5	141	89	30	500
BR600W	1	46.7	37	4	2	8	189	1	15	400
BR610W	1	21.2	39	2	1	2	81	95	20	900
BR611W	2	11.5	15	4	1	10	231	103	10	610
BR850W	1	128.2	104	1	2	4	151	1	15	360
BR900W	1	121.0	31	2	4	2	101	2	50	440

APPENDIX I

Rock Sample Notes - Golden Star & Oro Claim

Sample #	Sample Description
BR00W	- vuggy 1cm quartz veinlet, rusty fractures
BR30W	- porphyritic, epidotized, rusty fractures
BR40W	- feldspar porphyry, epidotized, rusty fractures
BR50W	- vyggy, siliceous, epidotized, sheared rock
BR60W	- vyggy, siliceous, epidotized, sheared rock
BR65W	- sheared diorite, rusty fractures, 2 % pyrite
BR70W	- diorite with rusty fractures, 5 % pyrite
BR120W	- 1cm quartz veinlets in sheared, chloritized rock
BR180W	- quartz-feldspar porpyry, chloritized
BR200W	- 3cm quartz-carbonate shear in bleached intrusive
BR300W	- 10cm carbonate shear in porphyritic rock
BR380W	- sheared, chloritized intrusive
BR600W	- feldspar porphyry, rusty fractures
BR610W	- siliceous, 5cm aplite dyke, 2% disseminated pyrite
BR611W	- very siliceous, 10cm aplite dyke
BR850W	- diorite, with rusty fractures
BR900W	- bleached volcanic rock, chloritized
Z01	- aplite, with rusty fractures, 1% pyrite
Z02	- granodiorite, with 1% pyrite
Z03	- granodiorite, with 1-2mm rust specks
Z04	- aplite, rusty fractures
Z05	- aplite, with 1% pyrite
Z06	- aplite, rusty fractures
Z07	- siliceous intrusive, fractured
Z08	- siliceous intrusive, 5% pyrite
Z09	- siliceous intrusive, 1mm pyrite vein + dissem. pyrite
Z10	- siliceous intrusive, rusty fractures
Z11	- 10cm wide quartz vein
Z12	- dark volcanic, sheared, chloritized
Z13	- siliceous, sheared intrusive
Z14	- 5cm carbonaceous veinlet in chloritized volcanic
SZ1	- 10-20cm wide quartz vein with 5% blebs and dissem. py
SZ2	- 10cm wide quartz vein, up to 5cm blebs of pyrite
SZ3	- 5cm wide quartz vein, with 5% pyrite
SZ4	- 5cm wide quartz vein, with 3% pyrite
SZ5	- bleached, sheared intrusive, with 2% pyrite
SZ6	- 8cm wide quartz vein, 20% blebs and dissem. pyrite
SZ7	- 5cm quartz vein, with 10% pyrite
SZ8	- 3cm vuggy quartz vein, with 5% pyrite
SZ9	- 20-50cm wide quartz vein, chalcopyrite, malachite stain
SZ10	- 10-30cm quartz vein, 20% sulfides, galena, cpy specks
SZ11	- 5cm wide carbonate vein
SZ12	- 15-20cm wide quartz vein, with 5% pyrite.

End

TYPE ROCK GEOCHEM

(PPM)	SZ1	SZ2	SZ3	SZ4	SZ5	SZ6	SZ7	SZ8	SZ9	SZ10	SZ11	SZ12
AG	2.3	.9	.8	1.3	1.3	.6	.8	1.2	11.4	15.9	.2	4.1
AL	3730	1540	7630	10760	8690	11490	8530	15970	11190	2490	40100	1580
AS	118	32	1	27	28	39	7	45	37	35	3	26
B	5	6	4	1	1	7	3	1	2	1	1	1
BA	15	6	23	26	41	23	19	44	19	15	1	5
BE	1.0	.9	1.2	.5	.5	1.0	1.3	.6	.3	.7	.6	.5
BI	68	138	9	8	6	1	3	8	37	7	5	2
CA	4540	3180	4330	9200	1510	1720	6060	4530	5050	1240	158110	3560
CD	1.9	.4	2.2	2.4	.5	1.8	.2	.9	2.3	3.2	.4	3.2
CO	107	80	40	11	11	262	69	36	81	103	14	62
CU	161	124	12	88	133	7	548	626	11519	31809	1240	4504
FE	96590	148430	106670	20830	24210	208320	113680	61000	70140	68220	8190	21490
K	930	470	980	840	2000	2260	1040	3260	1010	670	1110	360
LI	6	5	6	6	7	9	7	11	7	4	5	4
MG	3000	1000	5590	4160	4080	9950	8250	18980	8240	1870	3200	810
MN	133	24	164	291	563	411	391	557	600	72	255	42
MO	101	40	108	16	10	83	375	52	336	1377	38	17
NA	140	80	200	360	380	140	330	160	150	200	360	80
NI	1	3	3	6	7	1	4	34	6	14	9	7
P	220	50	280	320	420	300	370	690	640	980	290	210
PB	22	20	21	15	19	31	31	26	129	22	21	21
SB	1	1	5	3	2	9	2	1	4	4	1	1
SR	12	10	25	45	10	6	12	8	34	40	6	6
TH	1	1	1	1	1	1	1	1	1	1	1	1
U	1	1	1	1	1	1	1	1	1	1	1	2
V	11.9	6.2	38.3	26.3	23.5	59.3	71.4	145.9	42.7	17.2	18.6	7.3
ZN	28	31	19	21	33	287	63	48	52	103	15	15
GA	1	1	1	3	2	2	1	5	1	1	1	1
SN	1	1	1	2	1	1	1	3	2	2	4	1
W	3	1	3	4	5	1	5	10	1	1	1	81
CR	184	154	189	181	216	157	206	292	187	206	24	216
AU-PPB	76	41	13	10	18	86	23	7	539	91	16	8
HG-PPB	40	35	45	45	65	95	55	40	90	75	50	45

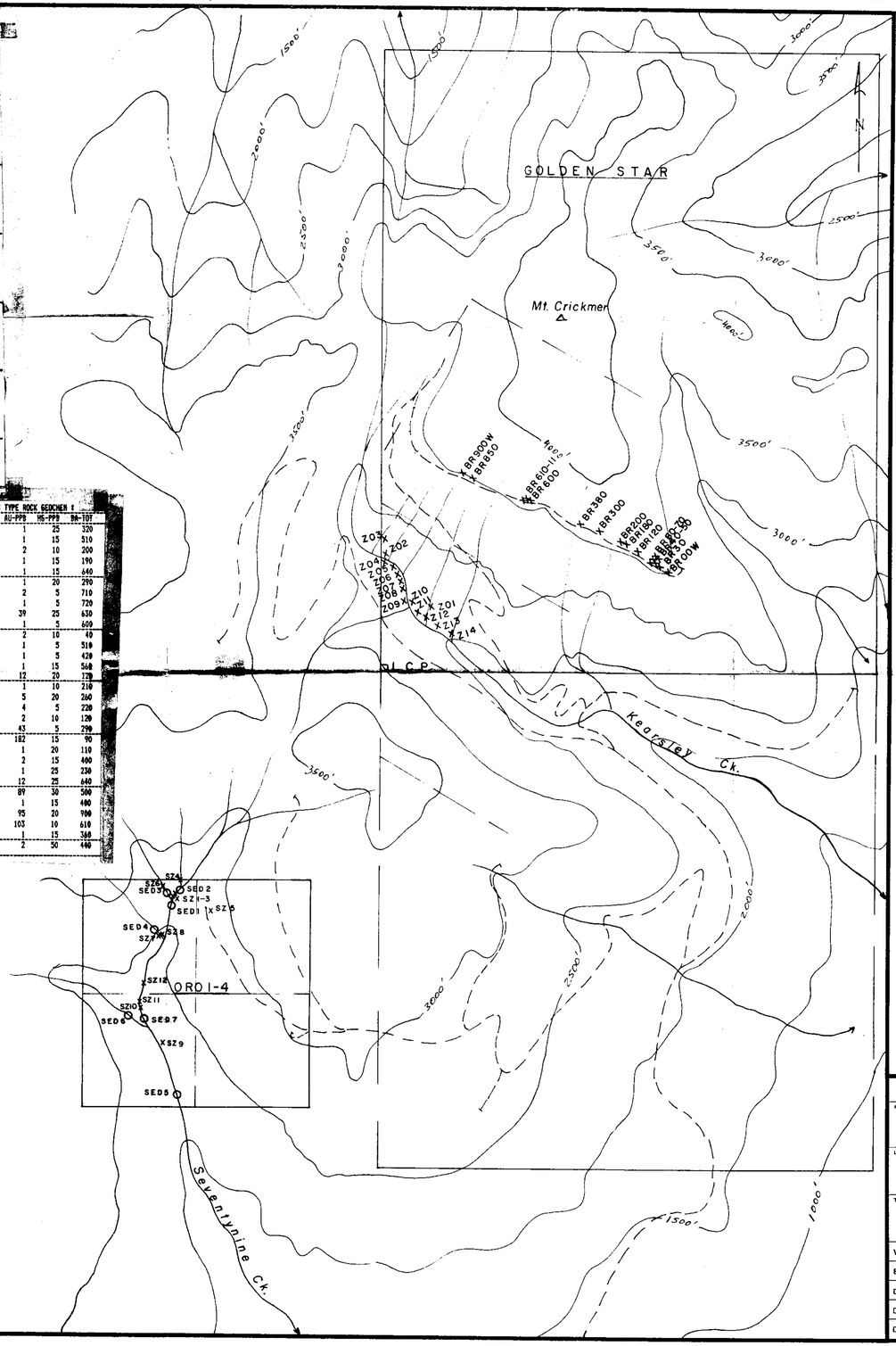
(PPM)	SED1	SED2	SED3	SED4	SED5	SED6	SED7
AG	.4	.4	.6	.6	.6	.4	.4
AL	12820	14100	11930	15440	6580	9710	11270
AS	21	28	18	16	4	19	18
B	4	4	3	4	6	3	5
BA	68	75	83	89	22	25	52
BE	.8	.8	.8	1.0	.5	.8	.9
BI	7	7	6	7	1	5	7
CA	3820	4390	3340	4360	3220	3910	3920
CD	1.8	.7	1.2	1.5	.9	.5	1.6
CO	16	21	15	18	13	13	16
CU	19	49	19	118	7	7	18
FE	86430	80350	78710	88180	170350	85370	107970
K	1260	1260	1230	1000	590	600	970
LI	8	9	7	9	6	7	8
MG	8140	9170	6450	9030	3550	5200	6630
MN	391	437	330	345	325	359	408
MO	1	1	1	3	3	1	2
NA	210	220	200	230	220	220	200
NI	3	1	2	2	1	2	1
P	840	760	710	620	700	540	650
PB	21	20	14	13	5	22	11
SB	1	1	1	1	1	1	1
SR	19	25	10	29	6	17	17
TH	1	1	1	1	1	1	1
U	1	1	1	1	1	1	1
V	232.0	207.8	243.7	277.4	496.1	260.7	318.5
ZN	38	43	33	30	20	30	33
GA	1	1	1	1	3	2	2
SN	1	2	2	2	1	1	2
W	1	1	1	2	1	1	2
CR	42	42	31	32	45	30	39
AU-PPB	29	13	110	7	295	5	28
HG-PPB	75	75	60	55	35	65	70

TYPE ROCK GEOCHEM

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CU	FE
Z01	1.5	4860	12	2	55	.7	7	5100	5.2	15	17
Z02	1.6	20510	12	7	69	.8	10	8420	2.1	28	26
Z03	1.3	15080	15	4	23	.8	9	11790	1.7	18	93
Z04	1.4	5610	20	1	40	.6	8	2550	3.6	8	23
Z05	1.3	10710	14	3	90	.7	9	2840	2.9	8	12
Z06	1.3	5020	16	1	26	.7	7	2030	3.2	9	22
Z07	1.4	14870	15	4	47	.6	10	7120	2.8	11	12
Z08	1.5	13190	15	3	97	.6	8	5380	2.2	9	12
Z09	1.2	18820	14	7	100	.6	7	9080	.3	24	36
Z10	1.3	13660	12	4	86	.4	8	7360	1.5	42	30
Z11	1.3	13560	20	4	7	.5	8	15950	2.1	9	32
Z12	1.3	25570	14	8	87	.7	8	37300	1.0	18	12
Z13	1.5	13030	19	3	80	.6	10	11380	2.6	10	17
Z14	1.2	33480	13	10	242	1.3	7	29820	1.6	19	63
BR00W	.5	54570	29	18	24	.5	9	17390	.1	59	296
BR30E	.6	68660	7	23	36	.8	12	31840	.8	39	109
BR40W	.4	65700	28	22	73	.5	9	19230	1.6	42	102
BR50W	.8	46750	6	15	46	.7	11	25600	.6	26	18
BR60W	.8	46600	25	15	5	.5	10	29390	1.8	32	59
BR65W	.7	35570	17	12	35	.4	7	10960	2.1	52	490
BR70W	1.1	28110	62	10	5	1.1	6	4190	.5	43	903
BR120W	.8	44150	12	16	10	.6	8	30840	1.2	24	40
BR180W	1.1	25730	14	7	48	.6	7	12330	2.3	20	15
BR200W	.6	63590	7	20	85	.7	9	23370	.7	21	52
BR300W	1.0	40780	9	13	108	.8	6	17450	.2	18	52
BR380W	1.2	26580	10	8	82	.7	8	9400	1.6	33	12
BR600W	1.5	24070	19	7	61	.7	11	12590	1.2	17	24
BR610W	1.3	14890	14	5	142	.6	5	3030	1.8	13	23
BR611W	1.4	5450	18	1	88	.5	6	3450	2.5	15	25
BR850W	1.1	29150	6	10	36	.6	7	6530	.2	26	11
BR900W	.8	49510	6	16	36	1.0	9	25900	.3	17	11

(VALUES IN PPM)	LA	MG	MN	MO	NA	NI	P	PB	SB	SR
Z01	1040	7	5570	181	6	1070	9	400	21	6	6	17
Z02	1290	10	12860	687	7	1270	4	1190	18	1	1	48
Z03	740	6	4190	253	12	800	6	530	14	1	1	41
Z04	1070	5	1770	173	6	1110	11	260	11	4	4	26
Z05	1510	6	4900	369	7	1360	7	510	13	2	2	20
Z06	830	5	2940	262	5	1090	16	260	14	4	4	15
Z07	1300	8	7940	623	7	1160	8	730	18	1	1	43
Z08	2320	7	6860	608	7	800	4	670	25	1	1	83
Z09	3000	8	11220	660	3	790	1	950	14	1	1	55
Z10	1360	7	9200	496	10	870	1	2030	11	1	1	24
Z11	330	5	2880	313	6	570	13	330	13	3	3	93
Z12	1870	11	14290	1034	3	1000	5	950	18	1	1	18
Z13	1650	5	3780	326	5	760	8	500	18	3	3	61
Z14	1370	9	15200	606	6	1980	13	400	21	1	1	220
BR00W	470	11	26000	1335	2	2860	2	720	25	2	2	43
BR30E	560	11	18910	972	4	2720	1	720	33	5	5	86
BR40W	850	11	21420	1379	3	1180	2	430	26	4	4	66
BR50W	440	8	15060	1066	5	1060	2	330	27	6	6	75
BR60W	330	9	18750	1320	3	740	2	250	21	7	7	126
BR65W	1320	11	21070	1228	3	210	1	470	24	2	2	32
BR70W	410	9	17820	851	3	100	1	400	20	1	1	19
BR120W	320	7	16290	759	4	250	12	280	28	6	6	59
BR180W	1400	7	11970	697	5	750	5	370	21	1	1	37
BR200W	1340	9	11790	645	5	1080	5	310	27	6	6	34
BR300W	2290	12	11580	999	4	960	3	790	28	1	1	70
BR380W	2860	8	13330	898	4	460	1	400	21	1	1	42
BR600W	1340	6	8250	424	5	530	5	480	20	2	2	42
BR610W	4130	7	4860	887	4	490	7	860	19	2	1	11
BR611W	2210	5	1330	330	8	610	10	110	14	4	4	9
BR850W	1160	12	20180	1517	3	540	6	370	22	3	3	20
BR900W	1840	10	12680	597	4	620	8	660	23	1	1	30

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	AU-PPB	HG-PPB	BA-100
Z01	1	14.7	24	1	1	3	95	1	25	330
Z02	1	52.4	65	1	4	1	70	1	15	510
Z03	1	43.7	15	5	1	4	116	2	10	200
Z04	1	12.3	12	1	1	7	141	1	15	190
Z05	1	15.1	22	1	1	4	104	1	15	640
Z06	1	14.5	16	1	1	8	175	1	20	290
Z07	1	35.1	42	1	2	1	127	2	5	710
Z08	1	23.4	53	1	1	5	121	1	5	720
Z09	1	67.0	49	1	1	1	131	39	25	630
Z10	1	24.3	34	2	1	3	121	1	5	600
Z11	1	32.7	12	5	1	10	217	2	10	40
Z12	1	57.9	87	2	3	2	106	1	5	510
Z13	1	19.9	19	5	1	8	179	1	5	420
Z14	1	51.2	34	3	1	5	140	1	15	560
BR00W	1	265.2	100	1	4	2	79	12	20	120
BR30E	1	230.3	68	1	7	1	60	1	10	210
BR40W	1	256.8	88	1	6	1	70	5	20	260
BR50W	1	200.6	58	1	4	3	122	4	5	220
BR60W	1	225.9	64	1	4	1	82	2	10	120
BR65W	1	181.7	127	1	3	1	109	43	5	290
BR70W	1	179.5	105	1	1	1	111	182	15	90
BR120W	1	149.3	37	1	3	2	127	1	20	110
BR180W	1	67.2	102	2	1	2	84	2	15	400
BR200W	1	139.4	35	1	5	1	96	1	25	230
BR300W	1	51.8	57	1	3	1	78	12	25	640
BR380W	1	103.3	57	1	2	5	141	89	30	500
BR600W	1	46.7	37	4	2	8	189	1	15	480
BR610W	1	21.2	39	2	1	2	81	95	20	900
BR611W	2	11.5	15	4	1	10	231	103	10	610
BR850W	1	128.2	104	1	2	4	151	1	15	360
BR900W	1	121.0	31	2	4	2	101	2	50	440



LEGEND

SED7 ∅ — Sediment Sample No.

Z09X — Rock Sample No.

— Road

(3500') — Elevation

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,145

200 100 0 200 400 600 M.

SCALE: 1:10,000

PROPERTY: GOLDEN UNIVERSE GROUP

LOCATION: STAVE LAKE

TYPE OF MAP: GEOCHEMICAL

WORKING PLACE:

BASED ON:

DATE OF WORK:

DRAWN BY: S. Z.

DATE: NOV. 1988

MAP REF. NO.:

N.T.S. NO.: 92G/8W

FIG. NO.: 3

MAP REF. NO.:
N.T.S.: