REPORT ON

1993 LINE CUTTING/GEOCHEMICAL PROGRAM

ON THE

GRACE 1 & 2 CLAIMS

LIARD MINING DIVISION
NTS 104 G/3W
LATITUDE: 57° 19'
LONGITUDE: 131° 27'

Owner/Operator:
Pioneer Metals Corporation
1770 - 401 West Georgia Street
Vancouver, B.C.
V6B 5A1

Author:
David St. Clair Dunn, P.Geo

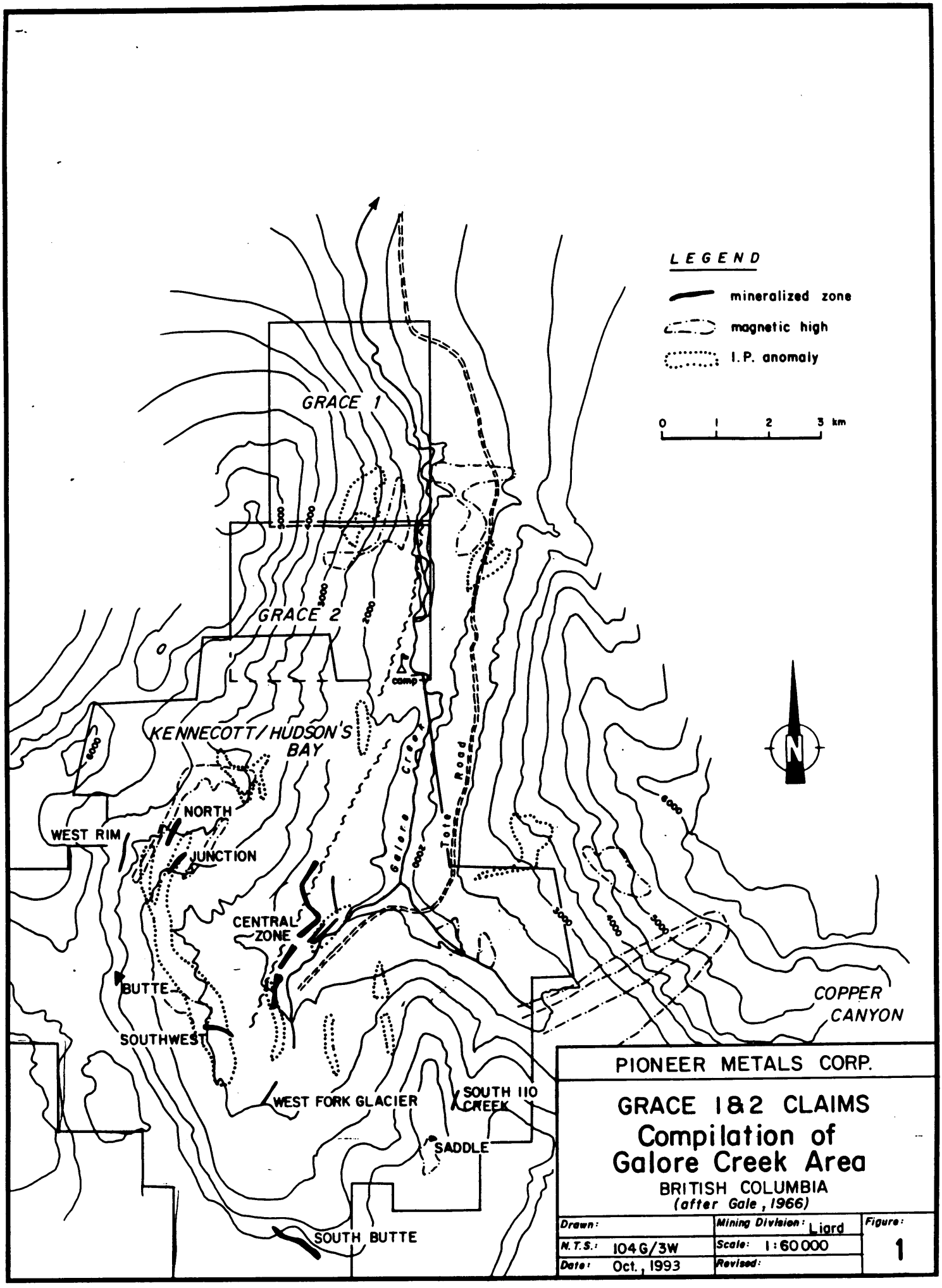
October 7, 1993

Summary

The Grace Claims, 100% owned by Pioneer Metals Corporation, are located immediately north of Kennecott/Hudson's Bay's Galore Creek copper-gold porphyry deposit. The "Central Zone" on the Kennecott/Hudson's Bay property hosts a drill indicated reserve of 125 million tonnes grading 1.06% copper and 400 ppb gold. (Allen et al, 1976) The Central Fault Zone, associated with the "Central Zone", has been traced north across the Grace Claims (Gale, R.E. 1964). The exploration targets on the Grace Claims are porphyry style mineralization, similar to the Galore Creek deposit, and shear hosted precious metals mineralization peripheral to that deposit. Past work on the property has included geological mapping, geochemical sampling, an I.P. survey, a magnetometer survey, and one diamond drill hole. This work has provided considerable encouragement, particularly the I.P. Survey (See Fig. 1). This survey outlined a 1.6 km by 1.0 km I.P. chargeability high flanking the Central Fault Zone and straddling the Grace 1 and Grace 2 claim boundary (Falconer, R.D. 1965). Twelve of thirteen silt samples taken between the I.P. anomaly and the Central Fault Zone returned anomalous values in copper (>91 ppm). (Lammle, C.A.R. 1965). A rock chip sample taken from this area assayed 0.23% Cu. over 6.1 meters. (Gale, R.E. 1964).

Outcrops in the area between the I.P. anomaly and the Central Fault Zone are limited to parts of some creek beds.

The 1993 program added to an existing soil geochemical survey in the south-west quadrant of the Grace 2 Claim, prospected and rock sampled above the 1992 soil anomalies, improved access to the central Grace 1 - Grace 2 area by cutting a 1.2 km base line, and resampled the "Gale Showing" on Bolt Creek. (See Map 1). Twenty-nine soil samples were taken above and contiguous with the 1992 samples of which twenty-one were greater than 100 ppb Au with a high of 1190 ppb Au and twenty-two were greater than 100 ppm copper with a high of 555 ppm copper. Thirty-five rock samples taken up slope to the west of the 1992 anomalous soil samples returned values greater than 100 ppb Au in eight samples to a maximum of 4.62 g/t Au and values greater than 100 ppm copper in 26 samples to a maximum of 1% copper. The source of the samples has been localized to a portion of the "West One Fault Zone" (See Map 1). The "Gale Showing" was trenched with hand tools and a Wajax 26B fire pump. Values of .19% copper were returned over a 6.0 metre chip sample.


LEGEND
mineralized zone
magnetic high
I.P. anomaly
0 1 2 3 km
GRACE 1
GRACE 2
KENNECOTT/HUDSON'S BAY
NORTH
WEST RIM
JUNCTION
CENTRAL ZONE
BUTTE
SOUTHWEST
WEST FORK GLACIER
SOUTH 110 CREEK
SADDLE
SOUTH BUTTE
COPPER CANYON
Galore Creek
Tolo Road
camp
N
PIONEER METALS CORP.
GRACE 1&2 CLAIMS
Compilation of
Galore Creek Area
BRITISH COLUMBIA
(after Gale, 1966)
Drawn:
Mining Division: Liard
Figure: 1
N.T.S.: 104G/3W
Scale: 1:60000
Date: Oct., 1993
Revised:

Conclusions

The Grace Claims have excellent potential to host copper-gold porphyry mineralization similar to the Galore Creek deposit. The most prospective area lies in the north-east quadrant of the Grace 2 claim and the south-east quadrant of the Grace 1 claim between the I.P. anomaly outlined by Falconer and the Central Fault Zone as mapped by Gale. Deep overburden and very dense underbrush make cat supported drilling the most effective way to test this area.

The Grace Claims also have excellent potential to host shear related gold mineralization. The highly anomalous soil and rock samples taken in the 1992 and 1993 programs point to an area in the south-west quadrant of the Grace 2 Claim. The source of these anomalies is probably the West One Fault Zone (See Map 1). Further work to locate the source of these anomalies should be carried out. The "gold rich starter pit" Kennecott personnel have suggested they need to develop Galore Creek might exist in the West One Fault Zone.

Recommendations

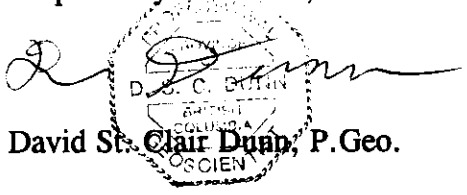
A minimum of two thousand three hundred meters of diamond drilling would be necessary to adequately test the area of interest in the central Grace 1 and 2 Claims. Four drill set ups at 300 meter intervals, roughly along the 700 meter elevation contour, with a 150 meter vertical hole and two opposing 210 meter -45° holes, drilled at 120° and 300° respectively, should be completed. The first drill set-up should be located at U.T.M. co-ordinates 352400 m E, 6339500 m N with the remaining set-ups at 300 meter intervals to the north-east (See Map 1).

This work should be carried our in conjunction with a soil geochemical grid covering the north-east quadrant of the Grace 2 and the south-east quadrant of the Grace 1 claims. This survey should be carried out on 100 meter lines running roughly east-west with 25 meter sample spacing. This would involve the collection of approximately 800 soil samples. Detailed geological mapping of this area with trenching of soil anomalies, where possible, should also be completed.

Thorough, helicopter assisted prospecting should be carried out along the West One Fault to localize the source of the down-slope anomalies. Trenching and drilling could follow, if results are positive.

The recommended program is estimated to cost $350,000.

Respectfully submitted,



David St. Clair Dunn, P.Geo.

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Introduction

The author was commissioned by Stephen H. Sorensen, President of Pioneer Metals Corporation, to carry out a mineral exploration program sufficient to cover government assessment requirements on the Grace 1 and 2 claims, Liard Mining Division.

The Grace claims are located immediately west of Galore Creek, a north flowing tributary of the Scud River, which is itself a west flowing tributary of the Stikine River. This river system is located in north-western British Columbia (See Fig. 2).

Access to the property was achieved by helicopter from the Bob Quinn strip on the Iskut River. Fixed wing access is possible on to the Galore Creek air strip, located 3 km south of the Grace claims. Cat roads connect the strip to the Grace claims and a tote road, built in the mid 60's, connects the air strip to a barge landing on the Stikine river at the mouth of the Scud River. This road would require substantial repair work to be passable.

The Grace claims consists of two claims of 20 units each as follows:

Claim Name	Record Number	Tenure Number	No. of Units	Record	Expiry
Grace 1	6260	224192	20	24/8/89	24/8/97 *
Grace 2	6261	224193	20	25/8/89	25/8/97 *

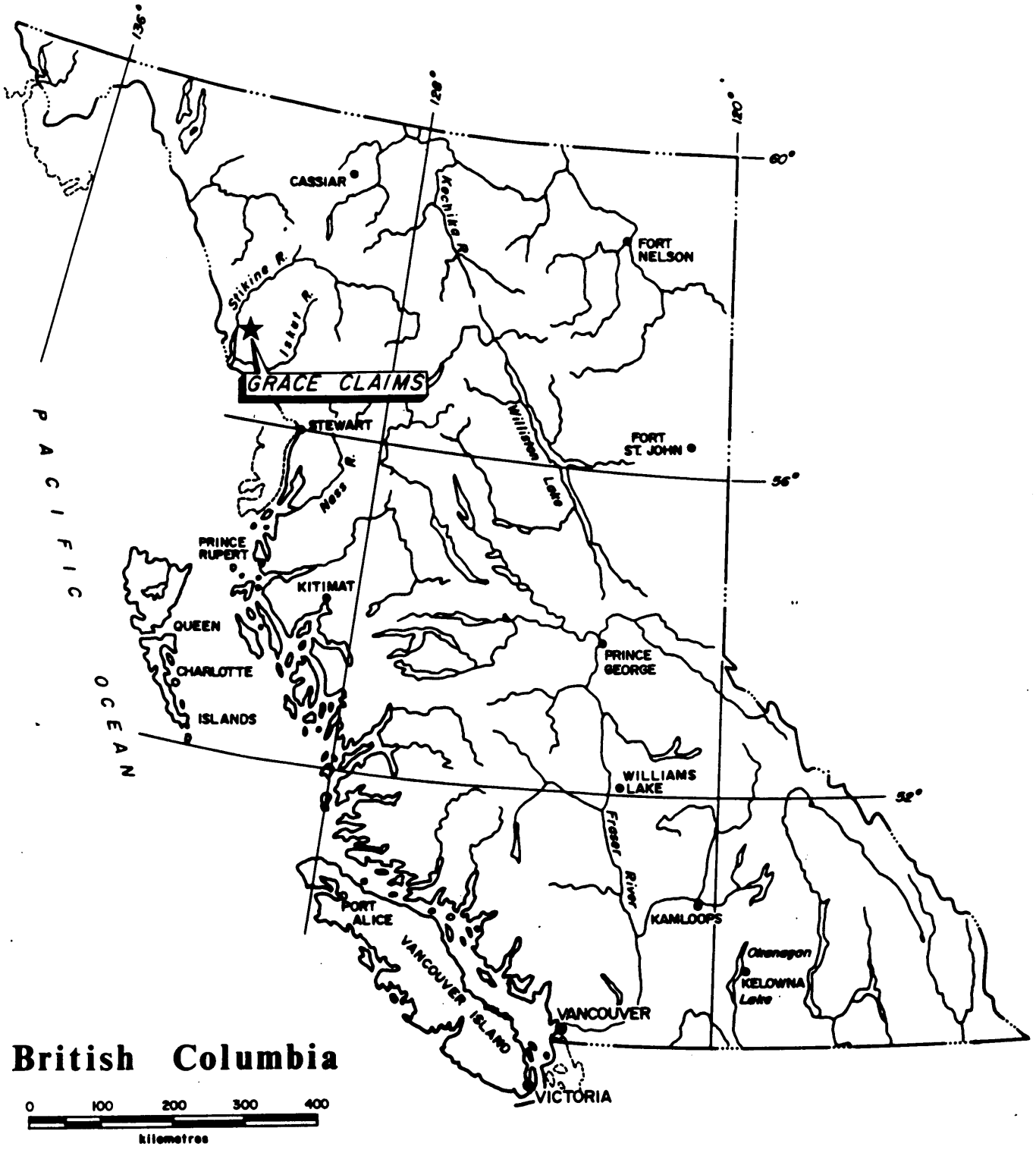
* Subject to approval of this report.

These claims overlap previously staked claims and only control approximately 36 units. The location of the Grace 2 L.C.P. was verified in 1991 (Kasper, B.J. 1991). Detailed surveys exist for the Kennecott/Hudson's Bay claims immediately to south of the Grace Claims. An accurate survey tying the Kennecott/Hudson's Bay claims to the Grace claims is not necessary at this time, as the primary target on the Grace claims is at least 2.0 km north of the claim boundary (See Fig. 3).

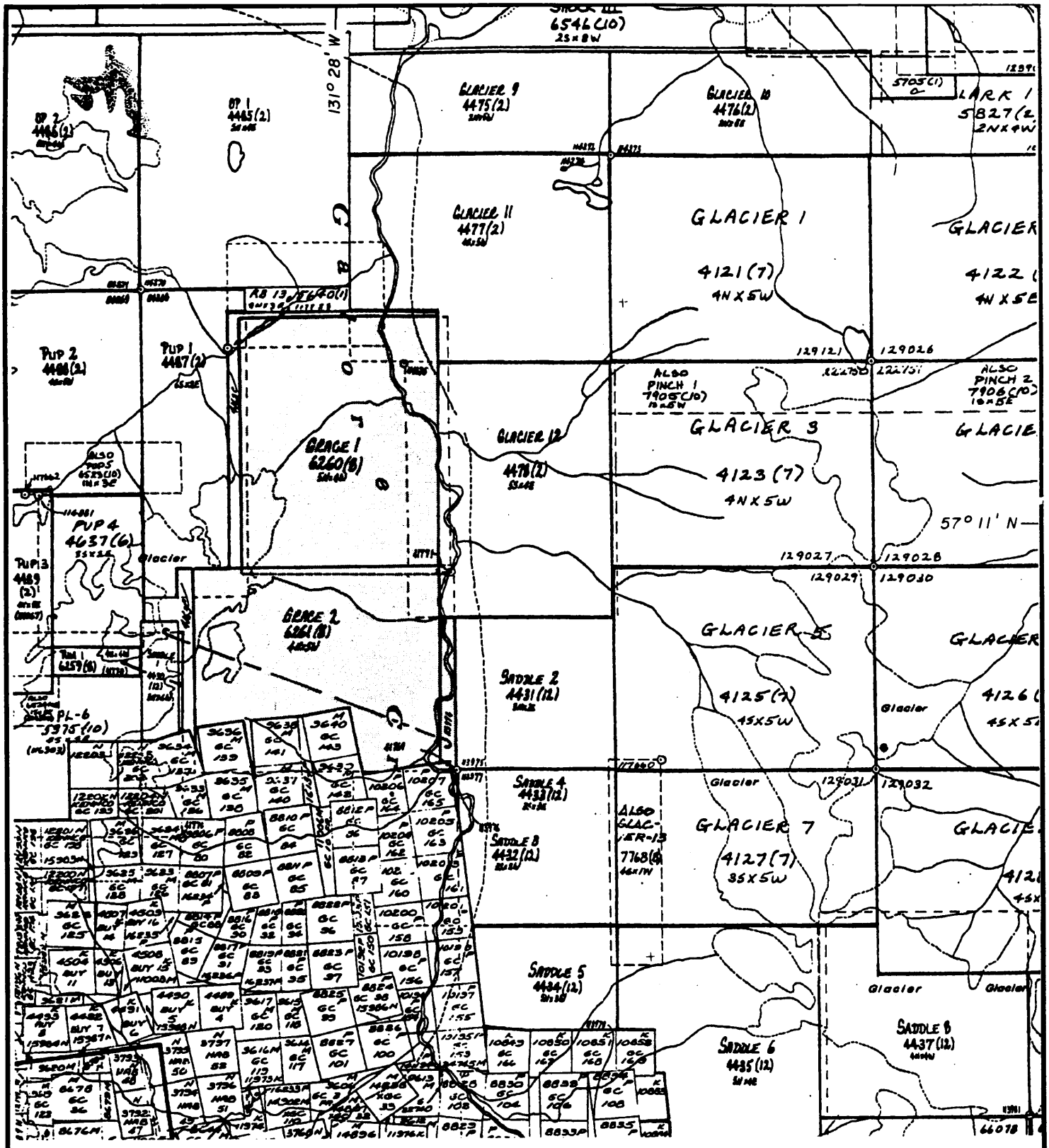
These claims are owned 100% by Pioneer Metals Corp. who were the operators of the 1993 program.

The first recorded work in the area was in 1955, when Hudson Bay Exploration and Development Company Limited staked the headwaters of Galore Cr. to cover the "Central Zone" porphyry deposit and other satellite deposits. Subsequent work has outlined a drill indicated reserve of 125 million tonnes grading 1.06% copper and 400 ppb gold (Allen et al, 1976). A major drilling program in 1991 added to these reserves. New reserve figures have not been published.

The Grace claims lie immediately North of the Kennecott/Hudson's Bay property. The first recorded work on this area was in 1964, when the area was staked as the "Stikine



PIONEER METALS CORP.		
GRACE 1&2 CLAIMS General Location Map BRITISH COLUMBIA		
Drawn:	Mining Division: Liard	Figure: 2
N.T.S.: 104 G/3W	Scale: as shown	
Date: Oct., 1993	Revised:	



PIONEER METALS CORP.

GRACE 1 & 2 CLAIMS

Claim Map

BRITISH COLUMBIA

Drawn:		Mining Division: Liard	Figure: 3
N.T.S.: 104G/3W		Scale: 1 : 50000	
Date: Oct., 1993		Revised:	

North Group" for the Scud Venture, an Asarco/Silver Standard joint venture. Geological mapping and a magnetometer survey was carried out that year and an I.P. Survey and 5000' of diamond drilling recommended (Gale, R.E. 1964). An I.P. Survey was carried out in 1965 and a minimum of 1200' of diamond drilling recommended (Falconer, R.D. 1965). Also in 1965 an 1800' -60° hole was drilled in the southern part of the Grace 2 claim. The collar of this hole has been located from historic data (Lammle, 1965) (See Map 1) but no drill log has been located. The hole intersected the Central Fault Zone and was weakly mineralized in pyrite and chalcopyrite (Dunn, W.St.C., 1992 personal communication). No further work was carried out on this area at that time, and the claims were allowed to lapse in the 1980's. Pioneer Metals Corporation staked the Grace 1 and 2 claims in 1987 and carried out limited geological mapping and stream sediment sampling (Blusson, 1988). These claims then lapsed in 1989 and were re-staked by Pioneer the same year. Pioneer constructed cat roads for drill access in 1989 and carried out an airborne geophysical survey (Blusson, 1990). A limited geological mapping and geochemical soil sampling program was carried out in 1991 (Kasper, B.J., 1991). another limited program of trenching and geochemical soil sampling was carried out in 1992 (Dunn, D. St. C., 1992).

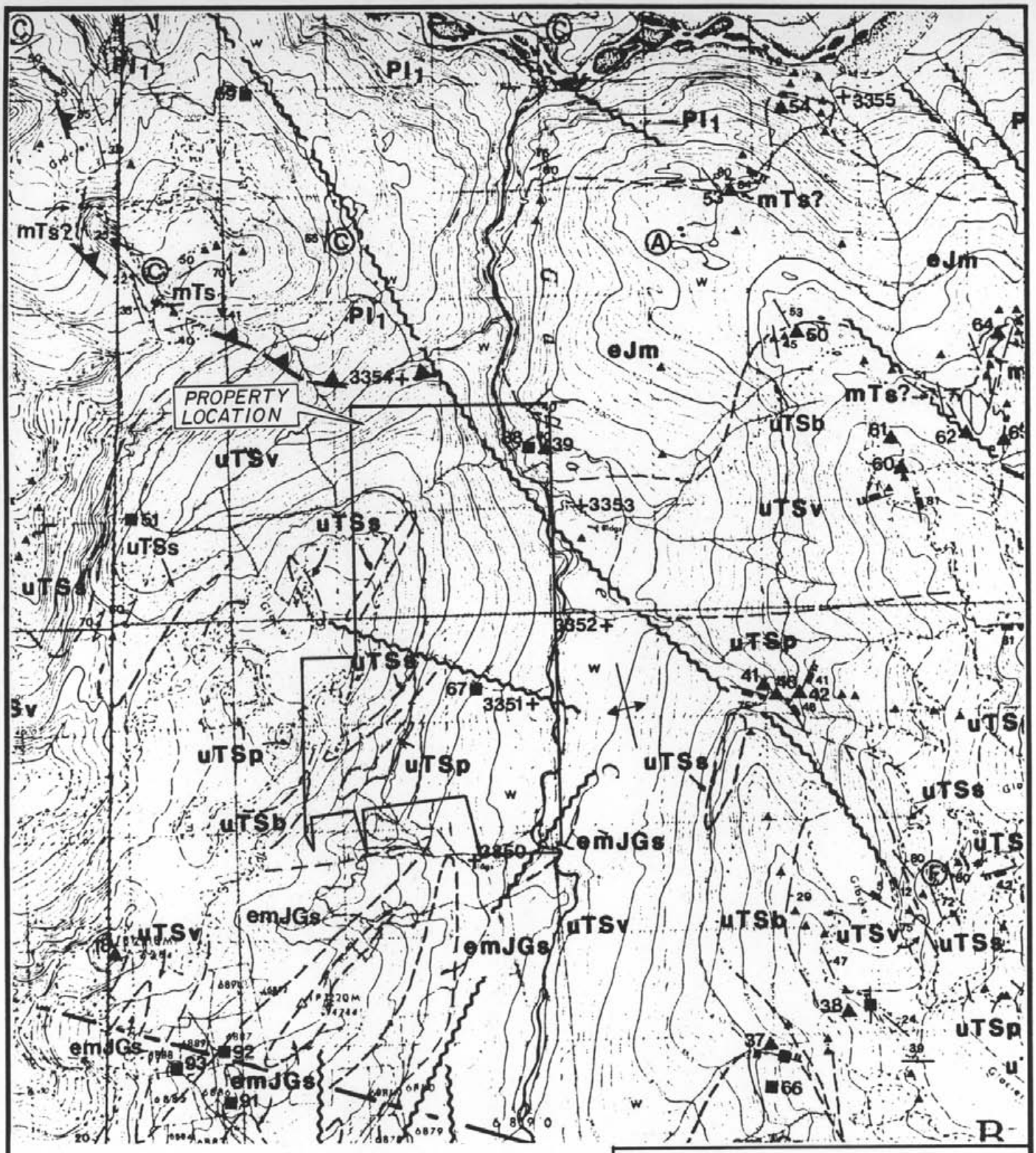
Regional Geology

Government geologist have carried out at least six regional mapping projects covering the Grace claims and have progressively refined the geology of the Galore Creek area (See Fig. 4). These projects were as follows: Kerr (1948), Operation Stikine (GSC, 1957), Souther (1972), Brown and Gunning (1989 a,b), Logan and Koyanagi (1989), and Logan et al (1989).

The Grace Claims lie near the western margin of the Intermontane Belt approximately 20 km from its contact with the Coast Plutonic complex.

Stratigraphy in the area ranges from Permian to Triassic. Permian? crinoidal limestone forms the base of the sequence, conformably overlain by metamorphosed sediments and volcanics, then a thick section of Permian bioclastic limestone. These rocks are unconformably overlain by Upper Triassic Hazelton Group island arc volcanics and sediments.

The whole package has been intruded by Jurassic to Tertiary granodiorite to quartz diorite stocks related to the Coast Plutonic Complex. Stocks of orthoclase porphyry syenite of Late Triassic to Early Jurassic age also intrude the layered rocks. These latter intrusions are thought to be coeval with the Stuhini Volcanics, part of the Hazelton Group. The "Central Zone" of the Galore Creek copper-gold porphyry is hosted by this orthoclase porphyry syenite and Stuhini Volcanics.



From OPEN FILE 1989-8
by Logan, Koyanagi, Rhys

SEE FOLLOWING PAGE FOR LEGEND

PIONEER METALS CORP.

GRACE 1&2 CLAIMS

Regional Geology

BRITISH COLUMBIA

Drawn		Mining Division Liard	Figure 4
N.T.S.	104G/3W	Scale 1:50 000	
Date	Oct., 1998	Revised	

LEGEND

LAYERED ROCKS

QUATERNARY

Qal	*UNCONSOLIDATED GLACIAL TILL AND POORLY SORTED ALLUVIUM*

UPPER TRIASSIC
STUHINI GROUP (WHERE UNDIVIDED DENOTED AS uTSv)

uTSs	*SILTSTONE, SANDSTONE, CONGLOMERATE, MINOR LIMESTONE CONTAINS Monotis*
uTSt	*WELL-BEDDED GREEN AND MAROON LAPILLI-ASH TUFFS AND EPICLASTICS*
uTSp	*PYROXENE-PORPHYRY FLOWS AND FRAGMENTALS*
uTSb	*INTERMEDIATE TO MAFIC FRAGMENTALS, BRECCIA, TUFF, LAHAR*

MIDDLE TO UPPER TRIASSIC

muTSv	*MASSIVE ANDESITE FLOWS AND TUFFS, AMYGDALOIDAL BASALT*

MIDDLE TRIASSIC

mTs	*CARBONACEOUS SILTY SHALE WITH ELLIPTICAL CONCRETIONS, SILICEOUS AND LIMY SILTSTONES CONTAINING Halobia*

STIKINE ASSEMBLAGE

PERMIAN

Pl1	*LIGHT GREY MASSIVE TO THICKLY-BEDDED BUFF, BIOCLASTIC CALCARENITE*
Pl2	*DARK GREY TO BUFF THIN BEDDED, BIOCLASTIC LIMESTONE, CHERT INTERBEDS, ARGILLACEOUS NEAR BASE*

INTRUSIVE ROCKS

EARLY TO MIDDLE JURASSIC
GALORE CREEK INTRUSIONS

emJGs	*SYENITE, ORTHOCLASE PORPHYRITIC MONZONITE*

EARLY JURASSIC

eJm	*MEDIUM-GRAINED, HORNBLENDE, BIOTITE GRANODIORITE TO MONZONITE*

Geological contact (defined, approximate, assumed)

Unconformable contact (defined, assumed)

Bedding (horizontal, inclined, overturned)

Foliation

Fault (observed, inferred)

Thrust or high angle reverse fault (defined, assumed)

Anticline (direction of plunge indicated)

Syncline (direction of plunge indicated)

Minor fold axis. (S, Z, and M symmetry), lineation

Joint

Dyke

Vein

Limit of geologic mapping (limit of permanent snow and ice)

Macro Fossil locality (indeterminate, positive identification)

Micro fossil locality

Isotopic age determination site

Assay sample site

MINFILE location

Regional Geochem Survey sample site

Massive outcrop visited

The Galore Creek deposit might mark the edifice of an eroded volcanic center with numerous sub-volcanic plutons of syenitic composition (Kasper, B.J., 1991). Gale mapped a broad, north trending anticline in the layered rocks on the Grace claims and attributed this to doming caused by the syenite intrusion. These concepts are compatible and support the hypothesis that a buried syenite stock with related porphyry mineralization might be present on the Grace claims.

Property Geology

The Grace Claims were mapped by Gale in 1964 with further details added in the southern Grace 2 by Kasper in 1991 (See Map 1).

The most common rocks underlying the Grace Claims are andesitic and basaltic volcanics of the Upper Triassic Stuhini Group. These comprise pyroxene porphyry flows, fragmentals, and feldspar crystal tuffs. Interbedded sedimentary rocks consisting of calcareous argillite and conglomerate outcrop in the western part of the Grace 2 claim. Similar rocks outcrop on the east side of the Galore Creek valley and bedding attitudes led Gale to conclude that "The major structure in the area is a northerly trending anticline, whose axis lies close to Galore Creek." (Gale, R.E. 1964)

Two other rock types outcrop on the Grace Claims, a Porphyry Breccia, which contains porphyritic syenite but is probably part of the Stuhini Volcanics and Syenite Porphyry dykes and sills. These latter rocks are off shoots of the Galore Creek orthoclase porphyry syenite. According to Kasper (1991) "At least two varieties of syenite have been recognized: a pinkish red, equigranular, medium grained syenite and a gray orthoclase porphyry syenite." Stronger copper mineralization is associated with gray orthoclase porphyry syenite. This unit has been further subdivided in the Galore Creek deposit into an orthoclase megacryst porphyry variety, with two to three cm phenocrysts and finer grained porphyry, with one to one and one half centimetre orthoclase phenocrysts. Although both varieties of orthoclase porphyry are mineralized, the bulk of the higher grade mineralization is thought to be associated with the finer grained version (Enns, S. 1992, personal communication).

Northerly trending dykes of both the gray and pink syenite outcrop on Ursus Creek and continue to the north (See Map 1).

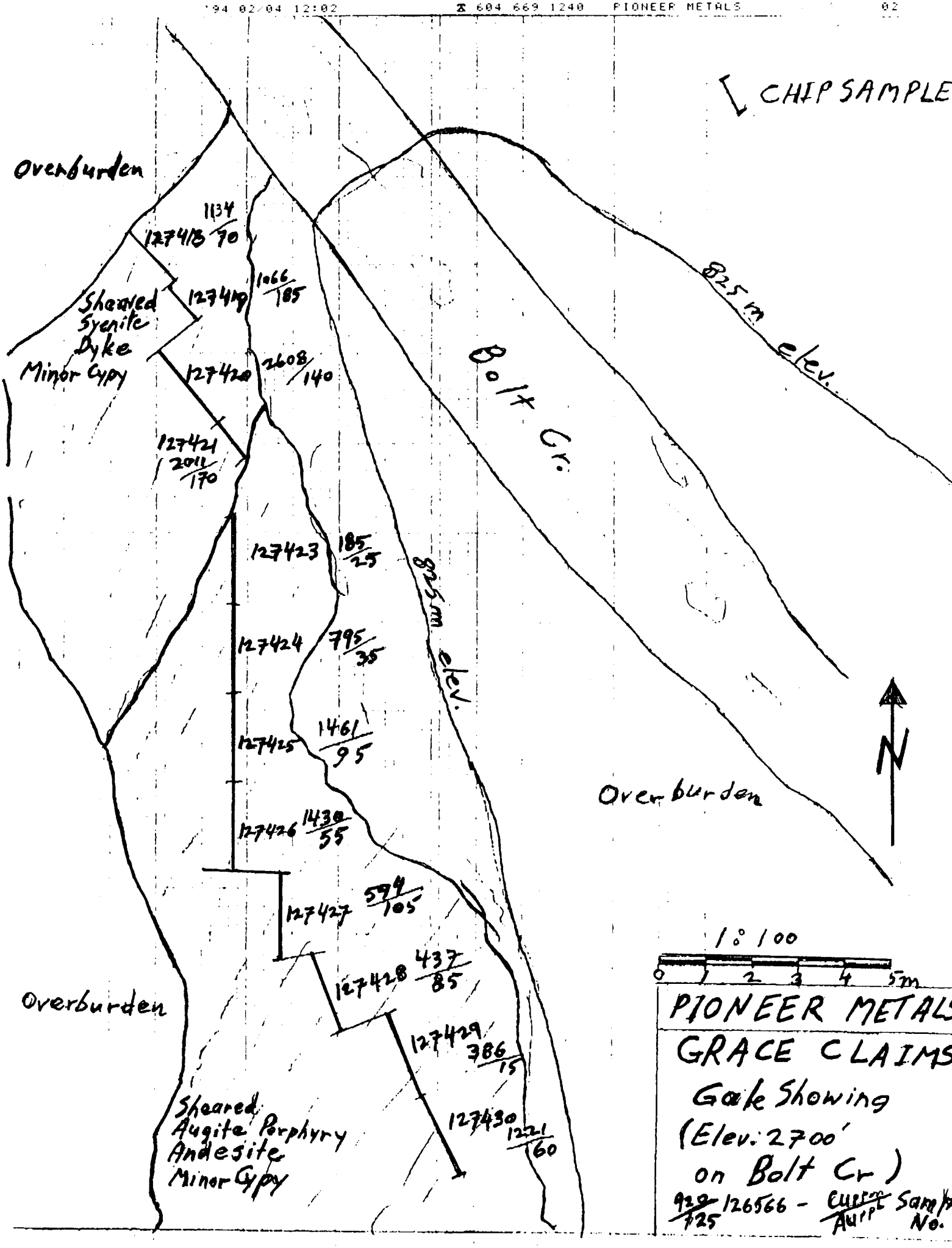
1993 Program

The 1993 program was of a limited nature with specific objectives. The primary objectives were to improve access to the central Grace 1 - Grace 2 area, resample the Gale showing, prospect upper Bolt Creek, and prospect the area up slope and west of the highly anomalous 1992 soil samples on south-west Grace 2.

Plate 2: Baseline-south

Plate 1: Baseline - north

Plate 3: Gale Showing


CHIP SAMPLE
Overburden
1134
127418 70
1066
127419 185
Sheared Syenite Dyke Minor Cupy
127420 2608 140
127421 2011 170
825m elev.
Bolt Cr.
127423 185 25
127424 795 35
127425 1461 95
127426 1430 55
127427 594 105
127428 437 85
127429 386 15
127430 1221 60
Sheared Augite Porphyry Andesite Minor Cupy
Overburden
Overburden
N
1:100
0 1 2 3 4 5m
PIONEER METALS
GRACE CLAIMS
Gale Showing
(Elev. 2700'
on Bolt Cr.)
929/725 126566 - Current Assay Sample No.

A 1.2 km cut and picketed base line was established from the end of the cat road on the Grace 2 Claim due north to Bolt Creek (See Map 1 + Plate 1, 2, 3). The Gale showing was trenched with hand tools and a Wajax 26B fire pump and chip sampled at 2.0 metre intervals (See Plate 4). Surface sampling before trenching returned values of 0.19% copper over 6.0 meters. Sampling after trenching returned 0.09% copper over 12 metre width. This showing, although interesting, is not of high enough grade to warrant further work. Prospecting up Bolt Creek did not reveal any areas of significant mineralization with the exception of one rock sample (127413) which returned a value of 0.11% copper. No further work can be justified in this specific area. The mineralization outlined adequately explains the anomalous silt and pan concentrate samples taken in Bolt Creek in 1992.

Prospecting and talus fine samples taken up slope to the west of the 1992 anomalous soil samples returned highly anomalous samples in both rock and talus fines. The highest values returned in rock samples were 4.62 g/t Au and 1% Cu and the highest values in talus fines were 1190 ppb Au and 555 ppm Cu. Further work in this area, particularly detailed prospecting of the "West One Fault Zone", is strongly recommended.

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Appendix A

Analytical Results

ECO-TECH LABORATORIES LTD.
10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

PIONEER METALS CORPORATION ETK 93-218
1770-401 W. GEORGIA STREET
VANCOUVER, B.C.
V6B 5A1

ATTENTION: DAVID DUNN

AUGUST 5, 1993

VALUES IN PPM UNLESS OTHERWISE REPORTED

54 ROCK SAMPLES RECEIVED JULY 23, 1993
PROJECT #: GALORE CREEK

ET#	DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
1 -	126551	30	<.2	.71	30	6	15	<5	10.10	<1	34	37	233	3.63	.04	<10	.42	587	4	.02	28	1080	14	<5	<20	107	.12	<10	50	<10	11	12
2 -	126552	<5	<.2	2.80	<5	4	15	<5	5.82	<1	25	199	20	4.17	<.01	<10	3.27	655	3	.01	35	490	<2	5	<20	100	.07	<10	157	<10	4	36
3 -	126553	405	.2	.30	15	6	65	<5	5.66	<1	19	78	143	3.63	.25	<10	2.85	1134	63	.01	54	810	2	5	<20	204	<.01	<10	51	<10	4	40
4 -	126554	30	<.2	.70	140	4	15	5	2.70	<1	89	39	19	7.24	<.01	<10	.40	198	4	<.01	23	610	18	<5	<20	218	.10	10	23	<10	4	9
5 -	126555	<5	<.2	2.37	<5	2	25	<5	9.54	<1	18	39	6	3.84	.02	<10	2.33	886	1	<.01	4	600	<2	5	<20	206	.06	<10	169	60	8	33
6 -	126556	5	<.2	2.56	5	4	25	<5	1.62	<1	43	89	145	5.97	.07	<10	1.81	521	5	.03	16	1170	6	5	<20	27	.21	<10	133	<10	11	31
7 -	126557	>1000	3.0	.28	180	12	45	5	.08	<1	25	21	285	>15	.29	<10	.14	113	90	.01	2	750	26	<5	<20	22	.09	30	99	1780	<1	30
8 -	126558	345	1.4	.18	35	10	50	5	.03	<1	11	50	77	8.41	.38	<10	.02	35	20	.01	1	200	12	<5	<20	16	.16	10	46	<10	4	12
9 -	126559	35	<.2	1.30	20	6	20	<5	2.45	<1	39	55	383	6.06	.02	<10	.75	409	3	.04	20	1050	4	<5	<20	46	.18	10	55	<10	11	22
10 -	126560	10	<.2	1.79	10	4	45	<5	4.14	<1	16	34	64	3.38	.14	<10	.82	824	1	.03	4	1090	6	<5	<20	67	.09	<10	91	<10	11	50
11 -	126561	45	<.2	.92	15	4	55	<5	.57	<1	7	42	127	3.64	.28	<10	.51	114	4	.03	<1	1090	8	<5	<20	141	.18	<10	102	10	9	14
12 -	126562	10	.4	1.11	45	6	30	<5	.73	<1	73	44	409	12.64	.13	<10	.58	280	<1	.03	41	720	8	<5	<20	37	.12	20	29	<10	3	27
13 -	126563	5	.2	.55	<5	6	5	<5	>15	<1	6	21	21	.92	<.01	<10	.09	551	1	<.01	<1	280	2	<5	<20	187	.05	<10	14	60	5	17
14 -	126564	15	<.2	.31	25	4	145	<5	7.35	<1	14	54	14	3.78	.23	<10	.93	934	2	.02	4	870	4	5	<20	116	<.01	<10	201	190	6	53
15 -	126565	5	<.2	1.00	25	4	55	<5	9.29	<1	12	115	40	1.67	.01	<10	1.20	613	5	.01	21	320	24	<5	<20	257	.10	<10	51	<10	7	20
16 -	126566	975	17.0	.68	265	72	55	<5	.15	<1	8	23	920	9.99	.12	10	.11	65	3165	.01	<1	1160	304	1380	<20	17	.01	10	149	<10	2	19
17 -	126567	45	<.2	2.93	5	8	65	<5	.84	<1	39	131	1914	5.62	2.71	<10	3.00	860	32	.04	48	850	8	15	<20	23	.24	<10	187	40	12	63
18 -	126568	80	10.6	1.20	15	6	15	<5	1.13	<1	29	41	7993	4.33	.05	<10	1.01	375	11	.03	7	1170	38	5	<20	97	.31	<10	103	610	19	27
19 -	126569	55	7.8	.12	25	8	15	<5	.07	<1	11	27710000		4.85	<.01	<10	.10	557	63	.01	7	180	18	<5	<20	9	.02	10	243	520	<1	19
20 -	126570	30	.4	1.32	75	6	20	<5	3.76	<1	131	49	821	8.03	<.01	<10	1.18	544	5	.03	26	940	<2	10	<20	53	.09	<10	120	<10	6	17
21 -	126571	20	<.2	.39	5	2	145	<5	12.18	<1	12	10	47	2.57	.11	<10	4.72	713	1	.01	17	260	28	10	<20	309	<.01	<10	77	50	3	30
22 -	126572	450	11.6	.21	130	8	105	<5	.14	<1	21	34	1357	>15	.18	<10	.15	119	92	.01	<1	300	16	<5	<20	12	.04	50	142	<10	<1	24
23 -	126573	75	.6	.19	30	10	25	<5	.94	<1	50	41	788	6.81	.08	<10	.28	1105	81	.03	6	1040	6	<5	<20	37	.02	10	91	50	5	68
24 -	126574	30	.2	.53	15	4	15	<5	2.04	<1	17	42	168	3.04	.11	10	.49	293	10	.03	2	1170	4	<5	<20	101	.02	<10	64	<10	5	13
25 -	126575	90	1.8	.09	110	10	60	5	.09	<1	21	14	170	>15	.07	<10	<.01	93	297	.01	10	350	14	<5	<20	11	.02	40	544	140	<1	84

ET#	DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
26 -	126576	70	.2	1.00	25	4	15	<5	1.72	<1	37	105	100	4.21	.04	<10	.57	274	22	.09	24	470	10	<5	<20	135	.27	<10	104	90	12	13
27 -	126577	15	<.2	.58	10	4	30	<5	.62	<1	12	43	148	2.81	.06	<10	.39	153	5	.03	1	1400	4	<5	<20	154	.11	<10	55	210	7	14
28 -	126578	295	1.2	.75	35	4	15	<5	.58	<1	132	40	1124	8.48	<.01	<10	.39	210	5	.01	22	840	10	<5	<20	42	.11	10	25	<10	4	29
29 -	126579	15	<.2	.54	20	4	20	<5	1.38	<1	19	51	171	5.37	.09	<10	.38	109	7	.02	9	1170	4	<5	<20	25	.21	<10	82	230	12	8
30 -	126580	100	.2	1.09	40	6	25	<5	.81	<1	38	42	300	8.40	.01	<10	.64	287	35	.03	15	1620	10	<5	<20	20	.12	10	53	<10	7	19
31 -	126581	45	.4	1.27	45	4	25	<5	.66	<1	222	61	501	10.56	<.01	<10	.78	336	9	.03	35	910	14	<5	<20	39	.12	10	40	<10	4	33
32 -	126582	120	2.2	.48	50	4	20	<5	.52	<1	139	28	2161	12.02	<.01	<10	.16	109	<1	<.01	32	710	6	<5	<20	52	.08	20	6	<10	<1	52
33 -	126583	35	1.8	1.09	40	4	20	<5	.60	<1	72	47	2819	10.40	<.01	<10	.66	308	1	.01	29	800	8	<5	<20	40	.11	20	29	160	3	59
34 -	126584	30	.8	.88	15	6	5	<5	1.24	<1	15	54	1235	3.09	<.01	<10	.20	173	3	<.01	5	1040	12	<5	<20	122	.13	<10	21	200	7	18
35 -	126585	20	.6	1.15	25	6	15	<5	.62	<1	51	54	849	7.67	<.01	<10	.72	344	2	.01	18	940	10	<5	<20	43	.14	10	38	210	6	30
36 -	127411	10	<.2	.82	5	2	20	<5	.63	<1	16	37	61	1.95	.06	<10	.73	129	3	.03	3	1360	8	<5	<20	52	.16	<10	45	110	9	12
37 -	127412	45	<.2	.22	5	<2	5	<5	.17	<1	5	9	43	.72	.01	<10	.18	41	<1	<.01	1	370	4	<5	<20	12	.04	<10	11	90	2	4
38 -	127413	70	1.2	1.00	15	4	15	<5	1.13	<1	52	52	1134	4.40	.20	<10	.91	380	3	.02	13	1010	6	<5	<20	52	.22	10	81	<10	11	30
39 -	127414	15	<.2	1.65	5	6	45	<5	.90	<1	15	116	91	3.61	.91	<10	1.61	502	1	.04	15	1190	8	<5	<20	55	.25	<10	100	140	15	39
40 -	127415	5	<.2	1.29	10	4	20	<5	1.11	<1	16	93	79	4.29	.26	<10	1.13	520	11	.02	13	900	6	5	<20	103	.21	<10	98	<10	11	25
41 -	127416	10	<.2	.85	10	6	20	<5	.58	<1	14	39	69	2.90	.09	<10	.62	365	9	.03	6	890	8	<5	<20	96	.10	<10	93	100	8	17
42 -	127417	5	<.2	1.66	10	8	25	<5	1.10	<1	17	118	82	3.99	.49	<10	1.53	581	7	.03	16	980	10	<5	<20	78	.25	<10	117	<10	15	49
43 -	127418	60	.4	.77	20	10	60	<5	.20	<1	12	28	296	4.91	.28	10	.50	308	5	.03	<1	930	10	<5	<20	40	.12	<10	113	40	7	23
44 -	127419	185	1.6	1.38	35	4	15	<5	1.99	<1	35	73	1066	4.65	.16	<10	1.09	486	10	.03	21	1250	12	<5	<20	76	.19	<10	103	160	11	37
45 -	127420	140	2.4	1.43	15	4	15	<5	2.04	<1	44	66	2608	4.38	.34	<10	1.21	609	12	.02	30	1220	6	5	<20	58	.22	<10	108	210	12	45
46 -	127421	170	2.0	1.39	20	4	20	<5	1.74	<1	74	67	2011	4.83	.39	<10	1.14	557	6	.03	18	1300	6	<5	<20	66	.24	<10	111	80	13	45
47 -	127423	25	<.2	1.47	10	4	20	<5	1.36	<1	26	65	185	4.06	.21	<10	1.12	429	3	.03	13	1300	8	5	<20	84	.21	<10	103	<10	12	48
48 -	127424	35	.2	1.55	15	8	20	<5	1.62	<1	64	74	795	4.90	.38	<10	1.37	622	18	.03	14	1340	8	<5	<20	59	.21	<10	95	110	11	50
49 -	127425	75	1.2	1.58	15	4	25	<5	1.87	<1	81	76	1461	5.08	.49	<10	1.23	609	10	.06	16	1240	8	5	<20	74	.24	10	119	130	13	43
50 -	127426	55	.8	1.18	15	8	<5	<5	1.34	<1	57	54	1430	4.89	.36	<10	.95	429	4	.02	13	1100	20	<5	<20	60	.24	10	99	3230	12	32

ET#	DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
51 -	127427	105	.2	1.56	10	6	20	<5	1.60	<1	47	46	599	3.90	.42	<10	1.26	467	2	.04	16	1230	8	5	<20	62	.22	<10	104	120	12	30
52 -	127428	35	.4	2.27	10	6	95	<5	1.02	<1	29	131	437	5.19	1.44	<10	2.30	576	113	.02	64	1250	14	5	<20	75	.18	<10	107	<10	9	57
53 -	127429	15	<.2	2.48	5	4	155	<5	.88	<1	35	143	386	3.80	2.02	<10	2.57	569	5	.02	97	1350	14	<5	<20	65	.17	<10	93	<10	9	59
54 -	127430	60	.4	2.22	10	4	70	<5	1.23	<1	49	74	1221	4.07	1.04	<10	2.05	560	1	.04	42	1260	10	5	<20	46	.20	<10	110	<10	11	44

NOTE: < = LESS THAN
> = GREATER THAN

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cc: David Dunn
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SC93/Pioneer Metals

ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI, A.Sc.T.
B.C. Certified Assayer

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PIONEER METALS CORPORATION ETK 93-219
1770-401 W. GEORGIA STREET
VANCOUVER, B.C.
V6B 5A1

ATTENTION: D. DUNN

AUGUST 5, 1993

VALUES IN PPM UNLESS OTHERWISE REPORTED

29 SOIL SAMPLES RECEIVED JULY 23, 1993
PROJECT #: GALORE CREEK

ET#	DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
1	- BG - S- 1	660	.8	2.45	45	4	55	<5	.88	<1	49	111	278	7.15	.55	<10	2.52	1514	<1	.01	49	1450	36	<5	<20	34	.15	10	161	<10	11	121
2	- BG - S- 2	70	<.2	2.58	10	6	30	<5	.79	<1	31	113	256	6.41	.62	<10	2.00	750	12	.01	34	1840	22	<5	<20	25	.17	<10	176	<10	7	54
3	- BG - S- 3	1190	1.0	2.08	20	6	55	<5	1.00	<1	36	58	281	6.34	.30	<10	1.43	1470	6	.01	26	2290	26	5	<20	24	.09	<10	115	<10	5	78
4	- S - 37	200	1.2	2.69	45	4	60	<5	.88	1	40	53	191	6.16	.14	<10	1.70	1425	1	.01	34	1430	46	5	<20	24	.09	<10	135	<10	9	126
5	- S - 38	290	1.2	2.74	70	6	75	<5	1.06	<1	60	72	279	7.24	.22	<10	2.13	2104	1	.01	50	1300	50	5	<20	30	.11	10	155	<10	12	161
6	- S - 39	300	1.2	2.85	75	6	80	<5	1.03	1	57	79	321	7.21	.24	<10	2.29	1945	1	.01	57	1180	50	5	<20	32	.14	<10	163	<10	14	153
7	- S - 40	340	1.2	2.45	75	6	75	<5	.93	<1	52	73	277	7.18	.21	<10	2.08	1594	2	.01	54	1310	40	5	<20	31	.14	<10	149	<10	11	135
8	- S - 41	215	.8	2.22	20	6	310	<5	.37	<1	36	82	555	7.23	1.22	<10	2.30	937	22	<.01	23	1530	236	15	<20	22	.15	<10	191	<10	7	77
9	- S - 42	80	.4	2.71	15	4	40	<5	.61	<1	36	120	243	5.99	1.11	<10	2.55	786	8	.01	46	1040	170	5	<20	21	.19	<10	182	<10	9	54
10	- R - 1	605	<.2	3.38	35	4	55	<5	.84	<1	43	264	113	5.87	1.23	<10	3.80	962	<1	.01	81	500	22	<5	<20	15	.20	<10	150	<10	12	61
11	- R - 2	85	<.2	2.23	25	4	70	<5	1.01	<1	35	131	95	4.33	.31	<10	1.96	1486	1	.04	41	1080	24	<5	<20	23	.08	<10	90	<10	8	69
12	- R - 3	140	.2	2.29	35	4	45	<5	.88	1	41	176	94	4.53	.48	<10	2.58	1246	1	.01	53	830	20	5	<20	19	.08	<10	109	<10	7	54
13	- R - 4	115	.2	2.02	10	6	55	<5	.67	<1	25	100	63	4.45	.48	<10	1.80	905	2	.07	32	1140	18	5	<20	17	.08	<10	125	<10	5	62
14	- R - 5	305	.2	1.77	25	4	55	<5	.78	<1	28	90	103	4.52	.36	<10	1.56	1007	1	.03	31	1380	30	5	<20	22	.04	<10	113	<10	4	62
15	- R - 6	505	.4	2.14	50	4	85	<5	.83	<1	47	96	215	6.11	.41	<10	2.02	1982	2	.01	37	980	52	5	<20	25	.08	<10	133	<10	7	79
16	- R - 7	830	.8	2.33	5	4	100	<5	1.04	<1	48	110	278	7.16	.63	<10	2.41	1392	3	.02	46	1300	38	10	<20	33	.14	<10	153	<10	9	93
17	- R - 8	190	.8	2.30	30	6	75	<5	.92	1	48	94	130	6.12	.51	<10	1.89	2174	3	.02	34	1710	42	5	<20	23	.05	<10	139	<10	4	148
18	- R - 9	410	.4	2.21	35	4	65	<5	1.19	2	51	93	170	5.92	.40	<10	2.00	1888	1	.01	35	1460	38	<5	<20	28	.06	<10	134	<10	4	125
19	- R - 10	170	.2	2.59	20	6	50	<5	.51	<1	33	88	89	5.42	.32	<10	1.93	1148	2	.03	27	1430	26	5	<20	16	.08	<10	152	<10	5	91
20	- R - 11	20	<.2	2.83	10	4	35	10	.81	<1	34	64	134	6.86	.90	<10	2.71	645	<1	<.01	26	450	14	5	<20	23	.32	<10	162	<10	13	53
21	- R - 12	35	<.2	2.70	10	4	55	<5	.83	<1	38	118	136	6.07	1.40	<10	2.55	622	<1	<.01	40	1250	12	5	<20	16	.19	<10	125	<10	7	63
22	- L - 0	550	<.2	2.63	40	4	45	<5	.69	<1	47	213	149	5.13	1.01	<10	3.01	803	1	.01	72	620	20	<5	<20	15	.21	<10	124	30	13	49
23	- L - 1	35	<.2	1.92	20	6	70	<5	.85	<1	29	71	47	4.23	.37	<10	.96	1491	2	.05	22	1630	22	5	<20	19	.04	<10	86	<10	8	92
24	- L - 2	160	.2	1.67	20	6	80	<5	.85	<1	39	90	56	4.38	.33	<10	1.06	2042	5	.03	24	2210	24	<5	<20	19	.03	<10	103	<10	5	107
25	- L - 3	40	<.2	1.09	10	6	70	<5	1.18	<1	21	46	41	2.69	.28	<10	.63	1143	3	.04	17	2120	16	<5	<20	27	.03	<10	52	<10	6	86

ET#	DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
26	- L - 4	120	<.2	3.08	5	6	80	<5	.93	1	37	241	54	5.93	.99	<10	2.88	1460	2	.03	65	1330	40	5	<20	15	.09	<10	153	<10	5	114
27	- L - 5	185	<.2	2.85	15	4	55	<5	.83	<1	35	130	114	5.73	.43	<10	2.30	911	1	.05	53	1160	68	5	<20	20	.13	<10	147	<10	6	73
28	- L - 6	230	.2	2.66	15	4	30	<5	.36	<1	20	112	142	5.06	.16	<10	1.34	511	1	.01	48	780	32	<5	<20	15	.11	<10	140	<10	8	40
29	- L - 7	45	.6	1.50	15	2	45	<5	.66	<1	17	77	67	4.55	.31	<10	.87	464	3	.03	21	1260	20	<5	<20	20	.14	<10	145	<10	7	57
QC/DATA:																																
Repeat #:																																
1- BG - S - 1		.8	2.54	45	6	70	<5	.91	<1	52	113	287	7.34	.58	<10	2.52	1565	1	.01	46	1500	40	5	<20	31	.16	<10	167	<10	12	124
15- R - 6		.6	2.37	50	8	95	<5	.97	<1	53	108	244	6.90	.45	<10	2.16	2237	3	.01	45	1100	58	5	<20	30	.08	10	148	<10	7	94
STANDARD 1991:		1.6	2.01	65	4	120	<5	1.85	<1	21	70	94	4.20	.48	<10	1.12	772	<1	.02	28	730	22	5	<20	64	.11	<10	84	<10	10	76
STANDARD 1991:		1.4	1.92	65	4	120	<5	1.83	<1	21	68	94	4.09	.46	<10	1.05	750	<1	.01	28	720	22	5	<20	60	.11	<10	81	<10	10	78

NOTE: < = LESS THAN
> = GREATER THAN

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1770-401 W. GEORGIA STREET
VANCOUVER, B.C.
V6B 5A1

ATTENTION: D. DUNN

AUGUST 5, 1993

VALUES IN PPM UNLESS OTHERWISE REPORTED

4 SILT SAMPLES RECEIVED JULY 23, 1993
PROJECT #: GALORE CREEK

ET#	DESCRIPTION	AU (ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
1	- BG - 1	10	.6	1.54	15	4	35	<5	.92	1	30	163	677	5.41	.45	<10	1.71	313	2	.01	55	730	10	<5	<20	110	.15	10	142	<10	8	143
2	- BG - 2	30	<.2	1.96	10	8	50	<5	1.18	<1	31	162	307	5.52	.63	<10	2.06	460	4	.01	68	1020	16	<5	<20	125	.17	<10	155	<10	9	61
3	- BG - 3	40	<.2	1.88	15	6	50	<5	1.26	1	32	128	837	4.57	.37	<10	1.58	469	8	.01	68	620	14	5	<20	135	.18	<10	131	<10	10	100
4	- BG - 4	125	.4	2.15	25	6	60	<5	1.12	<1	39	163	1030	4.84	.65	<10	2.47	858	3	.01	67	930	24	5	<20	43	.12	<10	109	<10	10	79
QC/DATA:																																
Repeat #:																																
1	- BG - 1		.2	1.57	10	4	40	<5	.98	<1	30	159	740	5.29	.45	<10	1.75	324	2	.01	58	750	10	<5	<20	115	.15	<10	140	<10	9	147
STANDARD 1991:			1.4	1.92	65	4	120	<5	1.83	<1	21	68	94	4.09	.46	<10	1.05	750	<1	.01	28	720	22	5	<20	60	.11	<10	81	<10	10	78

NOTE: < = LESS THAN
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ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700
Fax (604) 573-4557

AUGUST 5, 1993

CERTIFICATE OF ASSAY ETK 93-218

PIONEER METALS CORPORATION
17770-401 W. GEORGIA STREET
VANCOUVER, B.C.
V6B 5A1

ATTENTION: DAVID DUNN

SAMPLE IDENTIFICATION: 54 ROCK samples received JULY 23, 1993
PROJECT #: GALORE CREEK

ET#	Description	Au (g/t)	Au (oz/t)
7-	126557	4.62	.135

FAX @ 669-1240

cc: David Dunn
FAX @ 925-3189

SC93/Pioneer

ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI, A.Sc.T.
B.C. Certified Assayer

Appendix B

Sample Descriptions

ROCK SAMPLE SHEET

Sampler D. D.
Date 15-19/7/93

Property Grace Claims

NTS 104 G/3W

SAMPLE NO.	Sample Width	DESCRIPTION Rock Type	Alteration	Mineralization	ADDITIONAL OBSERVATIONS	ASSAYS Cu	Au
12741	1.4 m	And.	Carb.		Shear zone	61	10
412	1.0 m	And	Rusty	3% py	And. Agglomerate	43	45
413	1.5 m	And.	Hem. Ep.	minor cupy	Augite Porphyry	1134	70
414	2.0 m	And	Rusty Calcite Str.	5% py minor cupy	Shear Zone	91	15
415	2.0 m	And	"	"	" "	79	5
416	2.0 m	And	"	"	" "	69	10
417	2.0 m	And	Rusty	2% py minor cupy	" "	825	
418	1.0 m	And	Carb.		" "	296	60
419	1.0 m	Syenite	Hematitic	Minor cupy	" "	1066	185
420	2.0 m	"	"	"	" "	2608	140
421	1.0 m	"	"	"	" "	2011	170
~~422~~							
423	2.0 m	And	Propylitic	cupy	Cont W-E 423-430	185	25
424	"	"	"	"	"	795	35
425	"	"	"	"	"	146	75

C-CHIP G-GRAB F-FLOAT

ROCK SAMPLE SHEET

Sampler D. O.
Date 15-19/7/93

Property Grace Claims

NTS 104 G/3W

SAMPLE NO.	DESCRIPTION				ADDITIONAL OBSERVATIONS	ASSAYS	
	Sample Width	Rock Type	Alteration	Mineralization		Cu	Au
127426	20 m	And	Propylitic	cpy	Cont W-E 423-430	1430	55
427	"	"	"	"	"	599	105
428	"	"	"	"	"	437	35
429	"	"	"	"	"	386	15
430	"	"	"	"	"	1221	60

C-CHIP G-GRAB F-FLOAT

ROCK SAMPLE SHEET

Sampler B. G.
Date 14-19/7/93 Property Grace Claims NTS 104 G/3W

SAMPLE NO.	Sample Width	DESCRIPTION Rock Type	Alteration	Mineralization	ADDITIONAL OBSERVATIONS	ASSAYS Cu	Au
126 551	Flt	Syenite	Propylitic	py cupy		233	30
552	"	Calcite Brxx	Carb	py		20	45
553	"	Syenite	Propylitic	py minor cupy		143	403
554	"	And	Propylitic	10% py		19	30
555	"	Calcite Brxx	Carb.	0.5% py		6	45
556	"	Sil. Syenite	Sil.	1% py		145	5
557	"	Fe Crete	Rusty	15% py		285	4.62 gm/t
558	"	And Brxx	Limonitic	py		77	345
559	"	Sed	—	1% py		383	35
560	"	And Brxx	Calcite Veins	1% py		64	10
561	"	Syenite	Limonitic Alt.	—	Porphyritic dyke 0.5cm ϕ	127	45
562	Grb	Sed.		Mass pyr.	Pyrrhotite bed in seds.	409	10
563	Flt	Str in Sed	Sil	Minor py	Qtz Str. in Seds	21	5
564	Grb	Str in Vol	"	Minor py	Qtz Str. in And Brxx	14	15
565	Flt	"	"		" " " " "	40	5

C-CHIP G-GRAB F-FLOAT

ROCK SAMPLE SHEET

Sampler D.G.
Date 14-19/7/93

Property Grace Claims

NTS 104 G/3W

SAMPLE NO.	Sample Type	DESCRIPTION: Rock Type	Alteration	Mineralization	ADDITIONAL OBSERVATIONS	ASSAYS: Cu	Au
126566	Grb	Sy. Porph.	Limonite	Minor py	Sheared	92	975
567	"	And		Minor Mal	Adjacent Sy. Dyke	19	45
568	Grb	And Brxx	Propylitic	Minor py cypy	Chlorite Blebs	79	80
569	Flt	Vol		Minor py		18	55
570	"	"		cypy		82	30
571	3.0 m	And Brxx	Carb. Alt.	Carb. Veins	Sheared	47	20
572	Flt.	Sed.	Lim. Alt.	Minor py		13	450
573	"	Pink Syenite	Lim, Carb Alt.	1% py cypy	Porphyry Dyke	78	75
574	Grb	"	"	Spec. Hem py, cypy	" "	168	30
575	Grb	"	"	py, spec. Hem	" "	170	90
576	Grb	And		py		100	70
577	Grb	Fld. porph Dyke	Wk Arg.	3% py	Phenocrysts epidote to 1cm	148	15
578	Flt	And	Rusty	cypy 3-5% py		124	295
579	Grb	Sed.	Lim.	15% py	py bet in Sed. Adjacent Fld. por. Dyke	171	15
580	"	"		2% py		300	100

C-CHIP G-GRAB F-FLOAT

ROCK SAMPLE SHEET

Sampler B. G.
Date 14-19/7/93

Property Grace Claims

NTS 104G/3W

SAMPLE NO.	DESCRIPTION				ADDITIONAL OBSERVATIONS	ASSAYS	
	Sample Vein	Rock Type	Alteration	Mineralization		Cu	Au
126581	FIH	And Tuff	Prop	Py, Po Cupy			
582	"	"	"	" " "			
583	"	"	"	" " "			
584	"	"	"	" " "			
585	"	"	"	" " "			

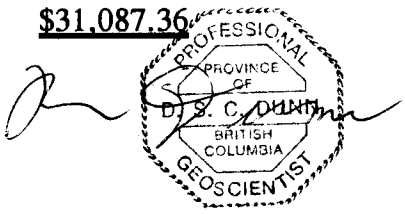
C-CHIP G-GRAB F-FLOAT

Appendix C

Statement of Costs

Statement Of Costs (1993)

Wages:			
D. Dunn 5/7 - 22/7 18 days at $250/day			$4,815.00
B. Goad 7/7 - 22/7 16 days at $250/day			4,193.23
W. Amara 5/7 - 22/7 18 days at $125/day			2,250.00
J. Delaney 5/7 - 22/7 18 days at $125/day			2,250.00
Transportation: (helicopters)			
7.0 hours + fuel and oil			5,829.44
Equipment Rental:			
Pump			352.00
Radio			321.00
~~Magnetometer~~ not reported			~~684.00~~
Expediting			409.68
Expendibles			706.66
Room and board 56 man day x $50/day			2,800.00
Mob - Demob:			
B.G. Ticket			237.50
Chateau Bob			297.46
Gas, food, accommodation			1,546.39
Truck Rental			
7466-MH	5 x $50	$250.00	
	12 x $10	$120.00	
PLN 530	5 x $50	$250.00	
	12 x $10	$120.00	
		$740.00	740.00
Assay Costs:			
55 rocks			968.78
33 soils			486.22
Report Preparation 6 days @ $250			1,500.00
Drafting			700.00
TOTAL			$31,087.36



Appendix D

Statement of Qualifications

I, David St. Clair Dunn, with a business address of 2348 Palmerston Avenue,West Vancouver, B.C. V7V 2W1, declare that;

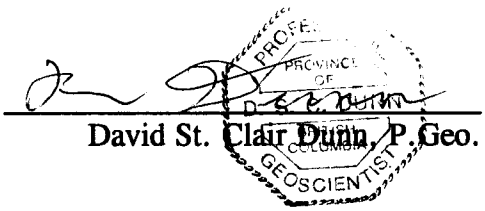
1. I am a professional Geoscientist registered under the Professional Engineers and Geoscientists Act of the Province of British Columbia.

2. I am a Fellow of the Geological Association of Canada.

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

4. I have practiced my profession as a prospector and geologist for more than 20 years in Canada, U.S.A. and Australia.

5. I carried out the work program on the Grace claims described in this report.



David St. Clair Dunn, P.Geo.

GRACE 1

GLACIER 12

GRACE 2

SADDLE 2

Gale showing

Gale Creek

Ursus Creek

Slide Ck

Hoodoos

SNOW

WEST-ONE FAULT ZONE

WEST-TWO FAULT

CENTRAL FAULT

SOUTH FAULT ZONE

1992 SAMPLES

1991 SAMPLES

SAMPLES

2 POST CLAIMS

Baseline

65-1
1800' at -60°
(Gold Venture)

CAMP

OLD CAMP

(Kenneco)

74-6

74-4

TR1

0.23% Cu
6.1m

2500

3+00

10+00

9+00

6+00

5+00 N

3+25 N

0+00 N

0+00 N

91-MB-02

91-MB-03

91-MB-01

57° 11' N

131° 28' W

N

2	Stream gravels
3	Syenite porphyry
4	Porphyry breccia
5	Augite porphyry basalt
6	Andesitic volcanic rock
7	Sedimentary rock
cpy	COPPER OCCURRENCE chalcopyrite
py	pyrite
mag	magnetite

- Creek
- 2500 — Contour (250ft interval)
- Cat road
- Outcrop
- Geological contact (defined, inferred)
- Fault
- Fissility
- Bedding
- Fold axis
- Claim post and boundary
- Diamond drill hole
- 120, 300, (76) Soil sample — Au ppb, Cu ppm, (Pb ppm)
- 200, 400 Stream sediment sample — Au ppb, Cu ppm
- I.P. Anomaly
- 1992 traverse
- Proposed DDH
- 126578 Rock sample site and i.d.
- BG-3 Silt sample site and i.d.

0 50 100 200 300 400 500
METRES

PIONEER METALS CORP.

GRACE 1 & 2 CLAIMS

Compilation Map

BRITISH COLUMBIA

(after Cole, K.E., Falconer, R.D. & Kasper, B.J.)

Drawn:		Mining Division: Liard	Figure: Map 1
N.T.S.:	104 G/3W	Scale: 1:6000	
Date:	Oct., 1992	Revised: Oct., 1993	

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,050