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P. 82

nt No. 9

**EXPLORE B.C.
MINERAL EXPLORATION INCENTIVE PROGRAM
1994 WORK PROGRAM
BAEZ GOLD PROSPECT**

**52° 44' N Latitude, 124° 13' W Longitude
NTS 93C/9 and 16
Cariboo Mining Division**

**Owned by
Phelps Dodge Corporation of Canada, Limited
Suite 912 - 120 Adelaide Street West
Toronto, Ontario M5H 1T1**

by

**Geoffrey N. Goodall, B.Sc., P. Geo.
Fox Geological Consultants Ltd.
1409 - 409 Granville Street
Vancouver, B.C. V6C 1T8**

February 15, 1995

Grant Number: 94/95M-93

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FEB 28 1995
**EXPLORE B.C. PROGRAM
MEMPR**

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EXPLORE B.C. GRANT

An Explore B.C. grant was applied for under the Mineral Exploration Incentive Program to further exploration on the Baez property. The application detailed a work program of grid preparation followed by geochemical, geophysical and geological surveys throughout the property. The application for a grant was approved and Phelps Dodge Canada was awarded \$76,918 under Grant Identification Number 94/95M-93. This grant contributed significantly to the over-all program and assisted the continued exploration of the property.

*Note!
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PERMITS AND RECLAMATION

All work conducted on the Baez claims in 1994 was performed under B.C. Ministry of Energy, Mines and Petroleum Resources Annual Work Approval Number PRG-1994-1101250-6325. Reclamation was conducted in accordance with the Guidelines for Mineral Exploration: Reclamation.

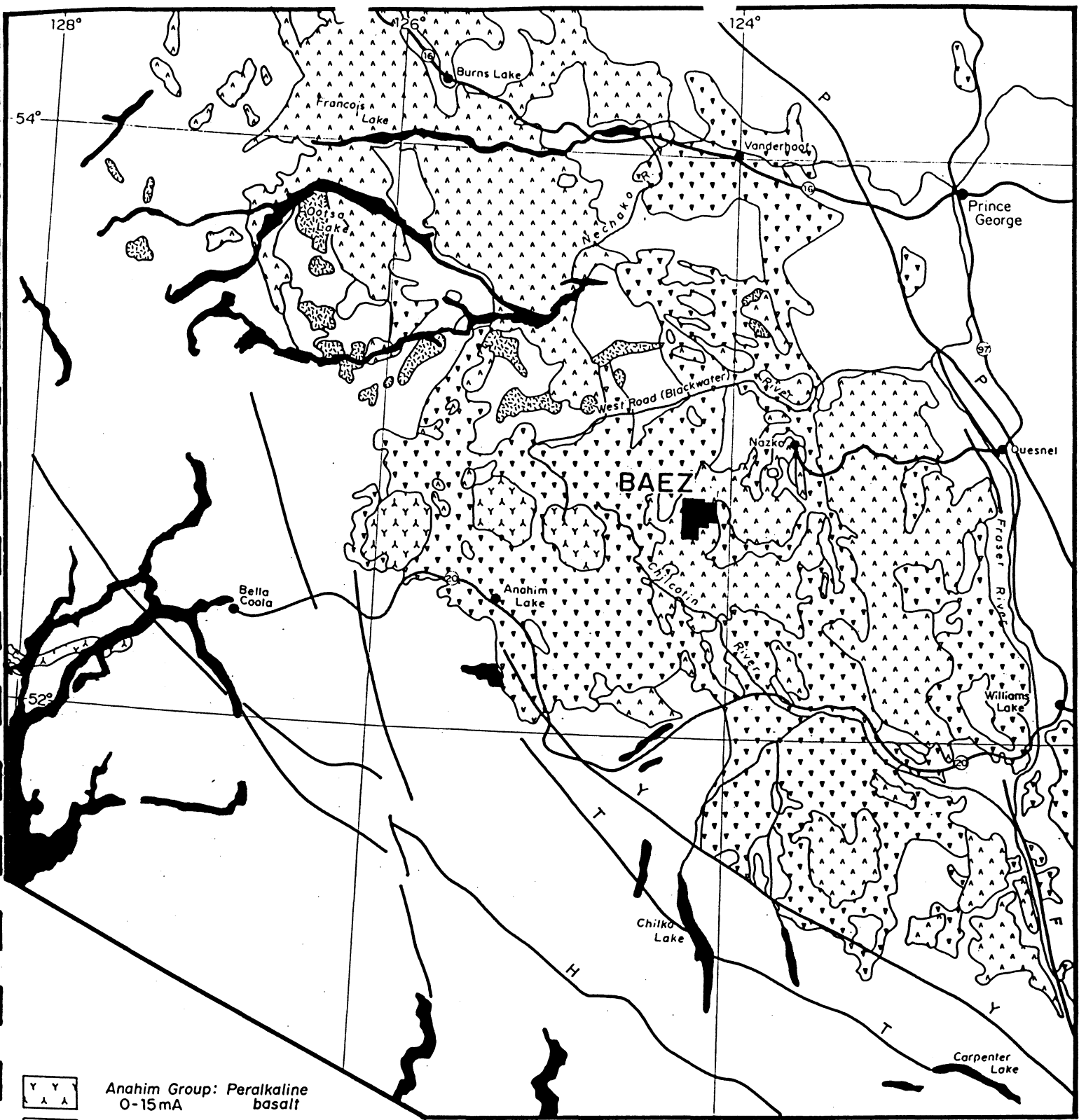
HISTORY






In the Clisbako-Mount Dent area, the first recorded exploration was conducted in 1985 by Rio Algom on the O'Boy claims. Property exploration focussed on a local area culminating in a drill program conducted in 1987. Eighty-Eight Resources Ltd. staked the Clisbako claims in 1989 and optioned the property to Minnova Inc. in 1991. Over their two-year option period, Minnova spent more than one million dollars conducting geological and geophysical surveys, trenching and diamond drilling. Both the O'Boy and Clisbako properties were located as a result of company sponsored regional reconnaissance programs. The British Columbia Geological Survey is presently mapping in the north portion of the Nechako Plateau as part of their on-going Interior Plateau initiative.

Phelps Dodge Corporation of Canada, Limited commenced exploration work in the region by staking the Baez claims in 1992. During 1993 a program of prospecting, soil geochemical sampling and preliminary geological mapping was conducted. A large flagged grid was established to follow-up anomalous silt geochemical results. Prospecting and preliminary geological mapping was conducted along ridge lines on the west, central and southern portions of the claims.

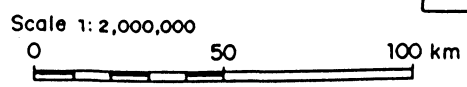
REGIONAL GEOLOGY

Figure 4 outlines the regional geology of the Interior Plateau. The oldest rocks exposed in the region are Pennsylvanian to Permian age Cache Creek Group sedimentary rocks. These are overlain by Upper Triassic to Lower Jurassic Takla Group andesite and basalt flows, tuffs



- 
Anahim Group: Peralkaline basalt
 0-15mA
 - 
Chilcotin Group: Backarc alkaline, tholeiite basalt
 2-10mA
 - 
Nanika, Quanchus Intrusives: Quartz monzonite, granite
 60mA
 - 
Ootsa Group: Calc-alkaline felsic volcanics
 35-70mA
 - 
Pre-Tertiary rocks and Coast Intrusions
-
- H - Harrison** **F - Fraser**
 - T - Tchaikazan** **P - Pinchi**
 - Y - Yalakom**

PHELPS DODGE CORP. OF CANADA LTD.			
PROJECT Nº 205		Cariboo M.D.	
BAEZ PROPERTY			
REGIONAL GEOLOGY			
Fox Geological Consultants Ltd.			
SCALE	DATE	NTS	FIG Nº
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and breccia and associated clastic rocks. Argillite and conglomerate sedimentary rock and andesite flows and breccia of the Middle Jurassic Hazelton Group occur predominantly in the northern portion of the Chilcotin Plateau. This sequence is unconformably overlain by Upper Cretaceous, Paleocene, Eocene and possibly Oligocene rocks of the Ootsa Lake Group. This group is comprised of rhyolitic to dacitic tuff, flows and breccias with minor amounts of andesite, basalt, conglomerate and tuffaceous shale. A sequence of Eocene to Miocene andesite, dacite and rhyolite volcanic rocks of the Endako Group and Pliocene to Pleistocene Chilcotin group vesicular andesite and basalt flows, breccias and cinder cones conformably overlie the Ootsa Lake Group. Pleistocene to recent till, gravel and sand infill drainage basins and locally form eskers and moraines up to 100 metres thick.

PROPERTY GEOLOGY

The Baez claims are underlain predominantly by a sequence of subaerial basaltic rocks of the Chilcotin Group and rhyolitic tuffs, flows and breccias of the Ootsa Lake Group. Outcrop is less than 5% of the property and is limited to ridge crests and small outcroppings in creek beds and road cuts. Four discernable units have been recognized from the preliminary geological mapping conducted on the claims. These are, in a younging sequence, dacite, rhyodacite, rhyolite and basalt.

Ootsa Lake Group

- 1) Dacite, the lowermost unit seen on the property, outcrops along the lower portions of the north-south ridge in the west central portion of the claims. The unit is fine to medium grained and consists of augite, hornblende and plagioclase phenocrysts set in a light grey matrix.
- 2) Rhyodacite outcrops along ridge crests and east-facing dip slopes on the central and easterly portions of the property. Here the rhyodacite member lies stratigraphically above the dacite unit. The rhyodacite unit is very fine to fine grained, mauve to grey, with minor augite and plagioclase phenocrysts. The unit varies from massive flow laminated rocks to beds of tuff and breccia.
- 3) Rhyolitic flow rocks outcrop in deeply incised creek beds draining the north, central and western area of the claims. These outcrops generally form rusty weathered cliff faces up to 25 metres high. Bedding planes, flow banding and brecciation are noted locally. Quartz and biotite phenocrysts form 10% of the rock and are set in a very fine to fine grained tan to grey matrix. The latter is commonly pilotaxitic with variolitic cavities. The breccias are composed entirely of rhyolite fragments and are probably flow related.
- 4) The rhyolite unit is often intensely argillically altered with tan brown coloured kaolinite predominant in the matrix. Float samples of moderately argillic altered rhyolite with banded

quartz-chalcedony stockwork veins were noted in the central claim area. Drusy quartz crystals form in open vein cavities. Rare fine grained pyrite and arsenopyrite were noted.

Chilcotin Group

Vesicular basalt outcrops sporadically along ridge crests and forms abundant float throughout all drainages and low lying areas. The dark green, maroon and brick red coloured unit is fine to medium grained with 5% to 15% vesicles. Hornblende, augite and plagioclase phenocrysts are common.

1994 WORK PROGRAM

A three-phase exploration program was conducted on the Baez property between May 8, 1994 and October 28, 1994. A camp was established on the property May 8, 1994 to facilitate the first stage of the work program. Between May 12 and June 24, 1994 a six person crew established some 75 kilometres of flagged grid by chain and compass method throughout the north portion of the claims and enlarged a previous grid established in 1993. Grid lines were brushed out and deadfall cut to facilitate geochemical and geophysical surveys. Some 53.2 line kilometres of induced polarization and 59 line-kilometres of magnetic surveys were conducted along the grid lines. Soil samples were collected from the "B" horizon at 50-metre intervals along the 400-metre spaced grid lines. Geological mapping and prospecting was also conducted along the grid lines. Trenching was conducted over areas of anomalous geochemical response defined during the 1993 sampling program.

A second phase of exploration was initiated on August 24, 1994. Over a two month period, until October 28, 1994, a six to ten person crew established, cut and sampled an additional 66 line-kilometres of grid contiguous to the south of the original grid. This extension required extensive line cutting due to dense re-growth of pine in a thirty year old burn area. A four kilometre ATV trail was cut to provide access to the south side of the property. Approximately 29.4 line-kilometres of induced polarization and magnetic surveys were also conducted over the grid. Soil samples were collected from the entire 66 kilometres of grid at 50-metre intervals.

Concurrent with the grid work, a diamond drill program was undertaken to test anomalous areas highlighted from the spring program. J. T. Thomas Diamond Drilling of Smithers, B.C. mobilized an Acker hydraulic drill rig onto the property on September 1, 1994. A total of 1,497 metres of drilling was conducted in 12 holes between September 1 and 17, 1994.

Tom Schroeter and Bob Lane of the B.C. Geological Survey toured the property on September 14, 1994.

Some 579 mandays were employed in the preparation of the grid, collection of geochemical samples and as support personnel. In total some 3059 soil samples were collected from 141 kilometres of grid. Each sample was labelled with a unique number and submitted to Acme Analytical Laboratories for analyses of 30 elements by ICP techniques and for gold by geochemical atomic absorption.

RESULTS

Analyses for all soil samples collected during the 1994 work program are given in Appendix I. Summarized field notes providing sample location and ten elements of interest are provided in Appendix II. A sample location plan is presented in Figure 4 and geochemical plan maps for gold, silver, arsenic and antimony are presented in Figures 5 through 8.

EXPENDITURES - *confidential - KOM.*

2/93

Sample	Sample Date	Type	Remarks	Grid	North	East	Mo	Cu	Pb	Zn	Ag	Fe	As	Sb	Au	Hg
44994	09/11/94	SOIL	SAMPLE TAKEN ON WEST SIDE OF ROAD	D	6400	7650	1	7	5	66	0.1	2.27	2	2	1.0	
44993	09/11/94	SOIL		D	6400	7700	1	14	7	45	0.1	3.02	2	2	1.0	
42872	09/11/94	SOIL		D	6400	7700										
45946	10/04/94	SOIL	VERY ROCKY SOIL	D	6400	7700	2	28	7	103	0.1	4.04	9	2	2.0	
44992	09/11/94	SOIL		D	6400	7750	1	13	7	74	0.2	3.40	3	2	1.0	
45945	10/04/94	SOIL		D	6400	7750	1	16	6	86	0.1	2.96	4	2	1.0	
44991	09/11/94	SOIL	SAMPLE TAKEN NEXT TO CREEK	D	6400	7800	1	14	9	48	0.1	2.67	3	2	1.0	
45944	10/04/94	SOIL	BROWN-GREY SOIL	D	6400	7800	1	8	5	34	0.1	1.57	5	5	5.0	
45943	10/04/94	SOIL	VERY ROCKY SOIL	D	6400	7850	1	8	9	52	0.1	0.98	2	2	1.0	
45942	10/04/94	SOIL		D	6400	7900	2	11	7	37	0.2	1.11	2	3	1.0	
45941	10/04/94	SOIL	BROWN-GREY SOIL	D	6400	7950	3	10	7	73	0.1	1.56	2	2	1.0	
45940	10/04/94	SOIL	BROWN-GREY SOIL	D	6400	8000	2	16	8	37	0.1	2.03	2	2	1.0	
45939	10/04/94	SOIL	BROWN-GREY SOIL	D	6400	8050	2	20	9	23	0.1	2.34	4	2	1.0	
45938	10/04/94	SOIL	BROWN-GREY SOIL	D	6400	8100	2	15	7	43	0.1	1.98	3	2	1.0	
45937	10/04/94	SOIL		D	6400	8150	2	12	7	54	0.1	2.06	6	3	1.0	
45936	10/04/94	SOIL	BROWN-GREY, ROCKY SOIL	D	6400	8200	2	14	8	55	0.1	2.22	8	2	1.0	
45935	10/04/94	SOIL	VERY ANGULAR GRAVEL; BROWN-GREY SOIL	D	6400	8250	2	13	9	58	0.1	2.39	8	3	1.0	
45934	10/04/94	SOIL		D	6400	8300	2	13	8	58	0.1	2.64	6	6	1.0	
45933	10/04/94	SOIL		D	6400	8350	2	12	11	49	0.1	2.29	2	2	1.0	
45932	10/04/94	SOIL	BROWN-GREY SOIL	D	6400	8400	2	10	8	33	0.1	1.99	2	2	1.0	
45931	10/04/94	SOIL	BROWN-GREY SOIL	D	6400	8450	1	22	7	37	0.1	2.85	5	4	1.0	
45930	10/04/94	SOIL	BROWN-GREY SOIL	D	6400	8500	3	13	6	56	0.1	2.20	4	2	1.0	
45929	10/04/94	SOIL		D	6400	8550	2	11	8	28	0.1	1.77	5	7	1.0	
45928	10/04/94	SOIL		D	6400	8600	1	14	5	25	0.1	2.45	2	2	1.0	
45927	10/04/94	SOIL	BROWN-GREY, GRAVELLY-SILTY SOIL	D	6400	8650	1	13	6	31	0.1	2.24	3	2	3.0	
45926	10/04/94	SOIL	BROWN-GREY SOIL	D	6400	8700	1	14	7	50	0.1	1.77	2	2	1.0	
45925	10/04/94	SOIL	BROWN-GREY SOIL	D	6400	8750	2	13	6	68	0.1	2.39	3	2	1.0	
45924	10/04/94	SOIL		D	6400	8800	1	51	10	59	0.1	2.20	6	2	1.0	
45923	10/04/94	SOIL	BROWN-GREY SOIL	D	6400	8850	5	28	11	180	0.1	2.65	7	2	1.0	
45922	10/04/94	SOIL	BROWN-GREY, GRAVELLY-SILTY SOIL	D	6400	8900	3	24	8	175	0.1	2.49	15	6	1.0	
45921	10/04/94	SOIL	BROWN-GREY, GRAVELLY-SILTY SOIL	D	6400	8950	7	19	18	117	0.1	2.27	11	4	3.0	
45920	10/04/94	SOIL	GRAVELLY-SILTY SOIL	D	6400	9000	4	17	9	66	0.1	1.93	6	2	1.0	
45919	10/04/94	SOIL	BROWN-GREY, GRAVELLY-SILTY SOIL	D	6400	9050	2	18	7	27	0.1	1.28	5	4	2.0	
45918	10/04/94	SOIL	BROWN-GREY, GRAVELLY-SILTY SOIL	D	6400	9100	3	74	16	62	0.1	3.38	19	2	1.0	
45917	10/04/94	SOIL	DRY, DARK BROWN SAMPLE FROM HUMMOCK	D	6400	9150	2	46	7	44	0.1	3.04	32	5	1.0	
45916	10/04/94	SOIL	BROWN-GREY, ROCKY-SILTY SOIL	D	6400	9200	4	15	9	51	0.1	1.77	14	6	3.0	
45915	10/04/94	SOIL	BROWN-GREY, SILTY SOIL	D	6400	9250	2	14	15	60	0.1	1.98	8	5	1.0	
45914	10/04/94	SOIL	SILTY, GRAVELLY SOIL	D	6400	9300	7	13	17	116	0.1	2.37	2	2	1.0	
45913	10/04/94	SOIL	RED-BROWN, GRAVELLY SOIL	D	6400	9350	96	42	9	276	0.2	6.00	98	20	1.0	
45912	10/04/94	SOIL	SILTY, GRAVELLY SOIL	D	6400	9400	14	16	7	119	0.2	2.33	14	3	4.0	
45911	10/04/94	SOIL	GRAVELLY SOIL	D	6400	9450	4	11	7	119	0.1	2.24	9	7	1.0	
45910	10/04/94	SOIL	SOME ROCKS IN SOIL	D	6400	9500	5	19	4	59	0.1	2.59	14	13	1.0	
45909	10/21/94	SOIL	SILTY SOIL	D	6400	9550	3	13	3	51	0.1	2.64	13	9	1.0	