

Exploration in British Columbia

1977



**Province of
British Columbia**
Ministry of
Energy, Mines and
Petroleum Resources

VICTORIA
BRITISH COLUMBIA
CANADA

DECEMBER 1978

TABLE OF CONTENTS

	Page
PREFACE	v
 EXPLORATION	 E 1
General Statement	E 1
 METALS EXPLORATION	 E 3
Contents	E 3
Review of Metals Exploration and Prospecting	E 5
Reports on Metals Exploration	E 12
 STRUCTURAL MATERIALS AND INDUSTRIAL MINERALS	
EXPLORATION	E 247
Contents	E 247
Review of Exploration on Non-Metallic Mineral Deposits	E 247
Reports on Exploration of Non-Metallic Commodities	E 248
 COAL EXPLORATION	 E 259
Contents	E 259
Review of Coal Exploration	E 260
Reports on Coal Exploration	E 261
 ILLUSTRATIONS	
Figures	
E—1 Index map of properties showing NTS grid divisions and mining divisions	In pocket
E—4 British Columbia, areas underlain by major coal-bearing formations	In pocket

PREFACE

The first Minister of Mines of the Province of British Columbia was appointed in 1874. One of his responsibilities was "the duty of collecting information on the subject of the mining industries of the Province." This material, which consisted of reports by the Gold Commissioners and Mining Recorders of the Province, was published in the Annual Report of the Minister of Mines.

A Bureau of Mines was established by Parliamentary authority in 1895 and in 1896 was staffed by a Provincial Mineralogist and an assayer and chemist. Technical reports on mines and mining activities were prepared by them and published in the Annual Report, together with reports contributed by the Mining Recorders and Gold Commissioners.

Over the years, with the expansion of the mining industry, the staff of the Department of Mines grew, as did the number and size of the technical reports on geology and mining that were still published in the Annual Report of the Minister of Mines. Over a period of nearly 75 years the Annual Report became known as the authoritative record of mining in the Province.

However, because of the size to which the Annual Report had grown, it was decided in 1969 to publish all geological and technical reports dealing with solid minerals in a separate volume entitled *Geology, Exploration and Mining in British Columbia*. Thus a new annual publication was initiated with chapters on exploration and mining related to metals, placer, structural materials and industrial minerals, and coal. In 1975 a revised format was introduced for *Geology, Exploration and Mining in British Columbia* to allow the three main sections to be released as soon as prepared with the whole to be eventually bound together as a volume. The separate sections are: *Mining in British Columbia* — a record of mining in the Province plus the Chief Inspector's report (the parts which are of restricted interest will be omitted in the final bound volume); *Exploration in British Columbia* — a record of the performance of the industry in exploration; and *Geology in British Columbia* — a record of the mapping and research of the Geological Division of the Mineral Resources Branch.

ORGANIZATION

The reports that form the body of each section are arranged, where present, in the following order: lode metals, placer, structural materials and industrial minerals, and coal. Introductory statements precede the body of most parts of each section. These are not gathered together as a general review of the industry in the final bound volume.

A map showing the distribution of currently explored properties is in the pocket of *Exploration* (Fig. E-1). Two maps (Figs. M-1 and M-2) are included in the pocket in *Mining*. Figure M-1 shows the major producing mines (more than 1 000 tonnes); M-2 shows the locations for all property write-ups.

All reports are arranged sequentially according to the National Topographic System (NTS) map designation. In the NTS designation, the whole of Canada is divided into primary quadrangles, each 4 degrees latitude by 8 degrees longitude. Each is described by a number, the last digit of which indicates latitude and the first one (or two) indicates longitude (for example, 104). British Columbia is covered by six of these primary quadrangles except for minor areas. Each primary quadrangle is subdivided into 16 map sheets, each 1 degree latitude by 2 degrees longitude, and described by letters A to P (for example, 104G) proceeding from the southeast corner to the west in the southern panel, then east to the next panel, and so on. Each lettered quadrangle is subdivided into 16 map sheets, each 15 minutes latitude by 30 minutes longitude and numbered 1 to 16 in an analogous manner to the lettering (for example, 104G/7). Finally each sheet is halved east and west for maps of the 1:50 000 series and each is described, for example, 104G/7E and 104G/7W.

The reports proceed by primary quadrangle from the southeastern part of the Province to the northwestern part. Within each primary quadrangle the order proceeds from A/1E to A/1W to A/2E, and sequentially to P/16E. In some instances, exceptions are made so that adjacent prospects are not widely separated.

An index to published base maps and air photographs may be obtained from the Lands Service, Ministry of the Environment.

SOURCES OF INFORMATION

A considerable amount of information in the following reports is supplied by mining and exploration companies. Partially completed forms are sent to explorers as a result of receipt of a completed Form 10-11, Notice of Work on a Mineral Property. The co-operation of explorers in completing the forms is gratefully acknowledged. This information is augmented by staff geologists and inspectors and edited and assembled by Mineral Inventory and Publication Sections. Other information is gathered by forms submitted jointly by Economics and Planning Division of the Ministry and Statistics Canada.

Geological, geophysical, geochemical, drilling, and prospecting reports accepted for credit as assessment work contain a large amount of valuable information. The results of work presented in assessment reports that were accepted by April 1, 1977 are summarized and published herein. The last report summarized for the current publication is Assessment Report 6642. Assessment reports accepted after April 1, concerning properties for which

exploration questionnaires have already been submitted to the Ministry, are entered as references on the property write-ups until this manuscript is finalized for publication. Reports accepted in 1977 for work done in 1976 are not summarized if the work was previously reported on exploration questionnaires. Because of this policy, not all assessment reports appear as references. Assessment reports are available for study or for duplication at cost one year after the date of their submission.

Geologists and engineers on the staff of the Mineral Resources Branch prepare reports on mineralized areas, deposits, and mines which, in particular, form the body of *Geology in British Columbia* and much of *Mining in British Columbia*.

LOCATIONS

In this report, a description of the property location is given as well as the latitude and longitude and NTS designation of the 1:50 000 map sheet in which the property lies. The latitude and longitude given is either the centre of the property or the area of major work. NTS designation is that of the main showing(s) or for the majority of the claims. In cases where claims are located in more than one NTS sheet, several NTS designations are given.

NAMES

Most often the name or names given to a property are those used for the Mineral Inventory. This is often the name by which the property was originally or formerly known (for example, Glacier Gulch, Magnum). Sometimes the name or names are those of one or more of the claims that constitute the group; occasionally a name is used which is derived from the name of the company owning the property (for example, Bralorne, Granisle). Where established to a reasonable degree of confidence, the Mineral Inventory number, which appeared after the property name in 1975, has been included with the references (for example, Mineral Inventory 82E/SE-1). Where practicable, all names of claims comprising a property are given under the heading 'claims.'

OWNERSHIP

Where possible the owner (or owners) of the claims reported is stated. For located claims the owner is taken directly from Ministry records at the time the manuscript is being prepared. Unrecorded bills of sale and outstanding option agreements sometimes make it impossible to determine the owner at a given date. For Crown grants, unless an extensive search is made, it is sometimes impossible to be certain of their ownership.

In instances when the operator (the company or individual for whom the work was done or who paid for it) is known but the owner is uncertain, then only the operator is recorded; when the owner is also the operator, then only the owner is recorded; and when the owner is not the operator and both are known, then both are recorded.

EXPLORATION

GENERAL STATEMENT

Exploration for metals in 1977 decreased slightly from \$27 183 927 in 1976 to \$26 177 389. However, this decrease was associated with increases in the number of properties examined and the number of new mineral claim units located. This is a result of the carrying out of more inexpensive grassroots exploration.

Exploration for coal in 1977 increased from \$12 913 162 in 1976 to \$19 539 213. This significant increase is due mainly to advanced exploration and development work on several properties in the Peace River Coalfield as well as advanced exploration at Quinsam Lake, Vancouver Island and in the Bowron River Basin.

Exploration for industrial minerals, structural materials, and placer in 1977 increased from \$121 213 in 1976 to \$559 065, mainly due to larger labour and capital costs associated with increasing aggregate demand in the lower mainland area.

TABLE E-1. EXPLORATION AND DEVELOPMENT EXPENDITURES
1974, 1975, 1976, AND 1977

	Physical Work and Surveys	Administration, Overhead, Land Costs, Etc.	Construction, Machinery and Equipment, Other Capital Costs	Totals
	\$	\$	\$	\$
Exploration on undeclared mines:				
Metals —				
1974	18 773 326	6 525 878	128 144	25 427 348
1975	16 386 152	5 298 367	442 327	22 106 846
1976	20 437 180	6 365 331	381 416	27 183 927
1977	19 087 099	6 974 231	106 059	26 177 389
Coal —				
1974	3 450 746	884 849	18 958	4 354 553
1975	9 955 507	3 057 843	-----	13 013 350
1976	9 234 269	3 678 893	-----	12 913 162
1977	14 741 425	4 797 788	-----	19 539 213
* Others —				
1974	42 706	11 134	-----	53 840
1975	90 025	35 679	-----	125 704
1976	73 453	47 760	-----	121 213
1977	327 113	9 860	222 092	559 065
Totals —				
1974	22 266 778	7 421 861	147 102	29 835 741
1975	26 411 684	8 391 889	442 327	35 245 900
1976	29 744 902	10 091 984	381 416	40 218 302
1977	34 165 637	11 781 879	328 151	46 275 667

*Industrial minerals, structural materials, and placer.

METALS EXPLORATION

CONTENTS

	Page
Review of Metals Exploration and Prospecting	E 5
Reports on Metals Exploration	E 12
Southeast British Columbia (NTS Division 82)	E 12
Southwest British Columbia (NTS Division 92 and part of 102)	E 103
East Central British Columbia (NTS Division 93)	E 179
West Central British Columbia (NTS Division 103)	E 205
Northeast British Columbia (NTS Division 94)	E 210
Northwest British Columbia (NTS Division 104 and part of 114)	E 221

ILLUSTRATIONS

Figures

E-2	Distribution of metallic mineral properties in 1977	E 10
E-3	Distribution of metallic mineral properties in 1976	E 11

TABLE E-2

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
Exploration expenditure (dollars)*	44 400 000	46 000 000	39 100 000	38 200 000	37 300 000	25 400 000	22 100 000	27 200 000	26 200 000	
Number of companies*	422	481	407	389	352	228	121	136	222	
Claims recorded	84 665	69 546	57 778	78 901	35 659	16 971	11 751†	28 970†	37 151†	37 242
Certificates of work	88 954	118 633	106 704	97 573	128 641	48 071	39 403	36 729	39 711	65 705
Free miners' certificates —										
Individual	9 880	10 034	9 351	9 032	7 084	9 998	8 484	7 826	7 566	9 444
Companies	1 060	911	930	927	563	700	562	555	520	531

*From returns to Economics and Planning Division, Ministry of Mines and Petroleum Resources.

†Unit modified grid system.

REVIEW OF METALS EXPLORATION AND PROSPECTING

By A. Sutherland Brown and J. A. Garnett

The indices of metal exploration shown in Tables E-2 and E-3 document a significant increase in grassroots exploration activity, that is, claims recorded, number of properties investigated, linecutting, total drilling, and surveys, although total exploration expenditures declined about 4 per cent.

The current programs are different from those of the late 1960's and early 1970's and so are the performers. Major oil companies have increased their role in the search for metallic as well as energy minerals. The exploration activities of American and Japanese mining companies and their subsidiaries have decreased, while European companies have increased their activity. The Canadian mining companies' contribution has remained about constant.

Table E-2 shows exploration expenditure, claims recorded, etc., from various ministerial sources for a nine-year period. The increases in the number of active companies and claims staked, coupled with the 4-per-cent decrease in exploration expenditures is indicative of the beginning of a new exploration cycle. This resurgence of grassroots exploration has been directed particularly toward the search for uranium, molybdenum, gold, tungsten, and massive copper/lead/zinc/silver deposits.

Table E-3 is a summary of information on metal exploration from this volume, arranged by NTS quarter block, relating type and amount of work. The exploration indices shown on Table E-3 show increases over last year, especially in the areas of basic technical surveys. Surface drilling also recorded significant increases, whereas underground development and diamond drilling recorded the only reduced activity.

Table E-4 is derived from information extracted from 427 assessment reports reporting work done in 1977. Total value of this work was \$7 600 000. It is difficult to compare the 1977 value with previous years due to changes in reporting procedures.

DISTRIBUTION OF EXPLORATION

The areal distribution of exploration work on metallic mineral properties in 1977 and 1976 can be compared by referring to two maps of the Province (Figs. E-2 and E-3). It should be noted that although these maps display changes in distribution of effort, they do not reflect total expenditures.

Activity in British Columbia was concentrated in the southeast portion of the Province: the Greenwood-Hydraulic Lake areas, continuing the search for uranium; the Princeton-Kamloops belt of volcanic rocks, continuing the search for copper; the Goldstream River area, again searching for copper in similar environments to that established by Noranda's Goldstream discovery; the Slocan-Salmo-Kimberley triangle, searching for lead/zinc/silver deposits; and in the Barriere Lakes-Adams Plateau area, where several companies continued the search for stratabound volcanogenic massive sulphide deposits.

Elsewhere in the Province, an increase in activity related to uranium exploration occurred in the Surprise Lake area, Atlin Mining Division, and exploration was sustained in the Kutcho Creek area, where Imperial Oil and Sumitomo continued development of their

massive copper/zinc sulphide deposit. An increase in exploration activity on southern Vancouver Island occurred mainly as a result of the freeing of mineral lands from the E and N Land Grant. General exploration activity was sustained in the mineral-rich area south of Smithers. Exploration activity north from base camps along the Omineca Road continued at a somewhat reduced level.

URANIUM RECONNAISSANCE PROGRAM

It is apparent the Federal/Provincial Uranium Reconnaissance Program (Ballantyne, *et al.*,) had considerable impact on exploration in British Columbia in 1977. The geochemical data was released in early May for three sheets (82 E, L, and M) surveyed in southeastern British Columbia in 1976. This survey covered 40 600 square kilometres at a density of one sample per 12.5 square kilometres (5 square miles). The data included 10 metals in silts plus uranium and fluorine in water. The 1977 survey covered the adjacent areas 82 F and K in the Kootenays and 104 N (Atlin) in the north. This data was released in June 1978.

MAJOR EXPLORATION ACTIVITY

Major exploration activity at properties not in production, defined as programs of greater than 3 000 metres of drilling or 300 metres of underground development, occurred at eight properties, up slightly from the previous two years, but the total drilling in programs classified as major was up about 20 per cent. Only one major underground program occurred.

The following programs exceeded the criteria:

KETTLE (Tye Lake Resources Ltd. and Noranda Exploration Company, Limited), 82E/14E — a basal-type uranium deposit in Tertiary sedimentary rocks, 6 945 metres of drilling.

IRON MASK, DM, etc. (Canadian Superior Exploration Limited), 92I/9W — Iron Mask batholith near Kamloops and the Afton mine, syenitic porphyry copper prospect, 6 368 metres of drilling.

IDAHO (Carolyn Mines Ltd.), 92H/11W — a disseminated gold deposit near Hope, 337 metres of underground development.

— **NU, ELK** (Denak Mines Ltd. and Canex Placer Limited), 93K/3E — west end of Endako molybdenum porphyry deposit, 7 572 metres.

NIK (BP Minerals Limited), 94D/9E — a porphyry-like deposit in volcanic and basic intrusive rocks, near Johanson Lake, 3 700 metres of drilling.

JEFF, BOW, KRIS, PY (Imperial Oil Limited), 104I/1W — Kutcho Creek, 130 kilometres east of Dease Lake, bedded, massive copper/zinc sulphide prospect, 4 335 metres of drilling.

SMRB (Sumac Mines Ltd.), 104I/1W — Kutcho Creek, 130 kilometres east of Dease Lake and adjacent to Jeff, Bow, Kris, Py, 3 522 metres of drilling.

JENNIE (Nu-Energy Development Corp. Ltd. and Erickson Gold Mining Corp.), 104P/4E — gold vein deposit near Cassiar, 3 235 metres.

DEVELOPMENT AND FEASIBILITY STUDIES

Development during 1977 was limited to the Afton mine which completed preparation of the pit and stockpiled ore until the start-up of the concentrator in October 1977.

No new feasibility studies were initiated during the year, but several studies were continued or decisions were delayed, notably the Sam Goosly silver/copper deposit, Chappelle gold vein deposit, and Rexspar uranium deposit.

TABLE E-3. SUMMARY OF EXPLORATION EFFORT*

NTS	No. of Properties		Geological Mapping (No. of surveys)	Geophysical Surveys					Geochemical Surveys			Surface D. D.		Other Drilling				Physical Work				
				Airborne		Ground																
				No. of Surveys	Line-kilometres	No. of Surveys	Induced Polarization (line-kilometres)	Electromagnetic (line-kilometres)	Magnetometer (line-kilometres)	No. of Surveys	Soil and Silt (No. of samples)	Rock Chip (No. of samples)	No. of Properties	Metres	No. of Properties	Rotary (metres)	Percussion (metres)	Underground D. D (metres)	Trenching (metres)	Stripping (square metres)	Underground (metres)	Road (kilometres)
82/SE	18	3	2	1 401	4	—	187.0	—	6	4 165	122	3	1 778.5	—	—	—	—	375.0	20	—	—	201.7
82/SW	106	44	4	560	36	124.8	280.1	148.5	47	20 054	626	19	10 343.8	8	5 043.6	1 540.0	692.5	3 353.6	266	53.0	244.9	1 012.8
82/NW	103	42	5	4 161	52	2.4	548.2	469.8	38	14 832	144	29	12 514.9	5	181.0	1 807.4	—	1 117.0	12 100	222.0	513.9	205.4
82/NE	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
83/SW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
92/SE	50	17	2	885	15	38.3	90.4	183.9	11	2 816	93	13	3 432.5	3	—	426.0	—	1 934.8	—	1 490.6	12.8	146.8
92/SW	28	6	—	—	11	34.1	14.1	13.8	9	878	47	4	1 225.9	1	—	213.4	—	130.0	—	—	—	18.8
92/NW	10	2	—	—	—	—	—	—	2	460	—	5	2 930.6	—	—	—	—	214.0	—	—	—	4.0
92/NE	84	22	2	649	33	224.2	148.8	743.6	25	8 402	586	21	12 868.8	26	—	9 121.6	—	—	—	30.5	10.3	115.6
93/SE	13	2	—	—	5	—	109.0	165.0	4	3 262	—	4	1 268.0	4	—	2 070.0	—	1 640.0	160	—	30.0	86.0
93/SW	9	2	1	475	2	10.0	12.5	—	4	1 719	—	—	—	5	310.0	684.9	—	111.5	—	—	3.0	10.4
93/NW	41	9	1	1 000	16	212.6	48.7	172.7	15	3 131	137	12	10 255.0	1	—	4 002.0	—	900.2	22	—	13.5	225.8
93/NE	2	1	—	—	1	—	—	3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	1.1
94/SE	3	3	—	—	—	—	—	—	3	1 201	230	1	1 475.8	—	—	—	—	5.0	—	—	—	—
94/SW	17	1	—	—	6	150.3	64.7	24.7	9	5 210	210	6	3 579.3	1	—	3 000.0	—	25.0	—	—	13.7	123.5
94/NW	7	2	—	—	—	—	—	—	4	921	484	—	—	—	—	—	—	—	—	—	—	—
94/NE	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
103/SE	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.0	—	45.0	—	—
103/SW	5	4	—	—	—	—	—	—	4	850	—	1	677.9	—	—	—	—	—	—	—	—	—
103/NW	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
103/NE	6	1	—	—	2	2.0	2.0	—	2	426	—	2	2 856.0	—	—	—	—	—	—	—	—	2.0
104/SE	19	11	—	—	13	91.1	53.5	103.0	11	2 554	14	4	3 194.0	—	—	—	—	248.2	—	—	—	110.7
104/NW	14	3	1	900	1	—	22.5	—	14	2 400	95	2	288.0	—	—	—	—	—	—	—	1.0	—
104/NE	26	11	—	—	14	62.4	143.9	86.5	10	3 996	100	6	12 247.4	—	—	—	—	3 773.0	—	—	24.3	338.5
114/NE	1	—	—	—	—	—	—	—	1	60	—	1	274.8	—	—	—	—	—	—	—	—	—
TOTALS	564	187	18	10 031	211	752.6	725.4	2 114.5	219	77 337	2 888	133	81 211.2	54	5 534.6	22 865.3	692.5	13 837.3	12 568	1 841.1	867.4	2 603.1
1976	433	139	—	976.5	—	700.0	987.1	1 603.3	—	58 881	2 720	—	75 251.6	—	264.0	18 609.8	3 151.6	12 796.8	6 069.2	2 202.6	117.9	1 302.8

*From Geological Division sources.

TABLE E-4. SUMMARY OF ASSESSMENT REPORTS*

	1969	1970	1971	1972	1973	1974	1975	1976	1977
Value of work done (dollars)*	2 100 000	4 400 000	3 800 000	4 100 000	4 600 000	5 900 000	8 500 000	7 100 000	7 600 000
Geological surveys	158	184	158	203	221	89	94	119	150
Geophysical surveys —									
Ground	262	304	267	310	292	119	112	115	159
Airborne	47	28	20	17	30	7	4	6	11
Geochemical surveys	292	304	327	308	338	136	127	153	198
Drilling —									
Surface (diamond)	**	**	**	**	45	160	139	120	94
Other (rotary, percussion, underground)	**	**	**	**	9	39	32	44	37
Prospecting	**	**	**	**	17	29	40	35	26
Linecutting, topographic	43	34	51	61	68	31	32	31	65
Number of assessment reports	569	622	583	637	698	456	416	439	427
Number of companies	303	326	321	348	355	232	212	229	198
Number of properties	383	513	499	534	466	384	342	381	366

*From Geological Division, Ministry of Mines and Petroleum Resources, sources. Based on year work done except 'Value of work done (dollars)' for the years 1969 to 1976 inclusive, which is based on year report accepted.

**Not applicable — type of work not accepted for technical assessment report credit until 1973.

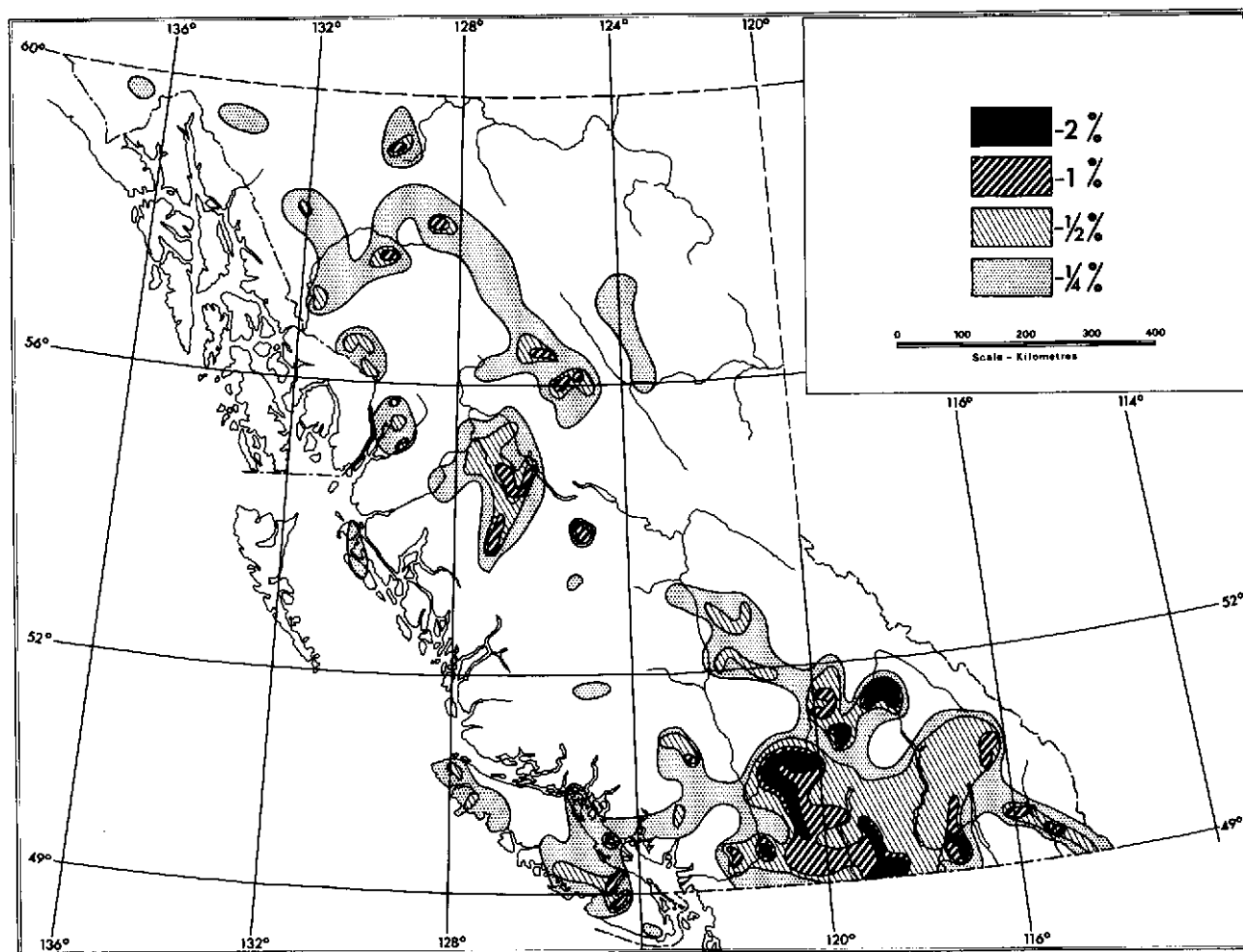


Figure E-2. Distribution of metallic mineral properties in 1976.

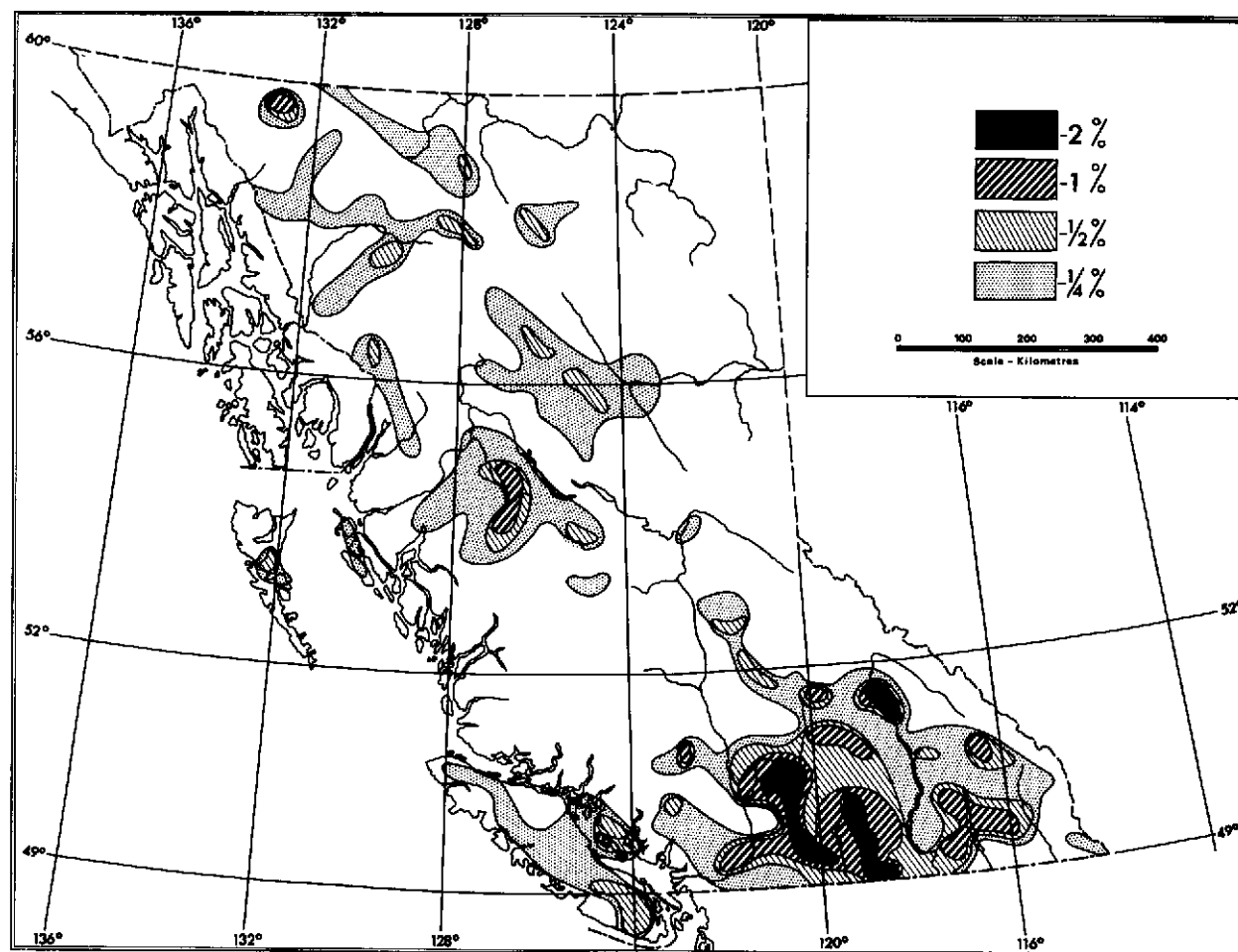


Figure E-3. Distribution of metallic mineral properties in 1977.

REPORTS ON METALS EXPLORATION

SOUTHEAST BRITISH COLUMBIA (NTS Division 82)

PENTICTON 82E

MASTADON (Fig. E-1, NTS 82, No. 5)

LOCATION: Lat. 49° 02' Long. 118° 10' (82E/1E)
GREENWOOD M.D. Four kilometres east-southeast of Christina on Chandler, Mastadon, Colbran, Bowser, and Trout Creeks.

CLAIMS: MASTODON, MAMMOTH, DOMINION, PAN, MASTODON FR., CANYON (Lots 2384S to 2388S, 2390S), ANN 1 to 158, HAZ-AL 1 to 16, SURPRISE 1 to 4, TUFF 1 to 4, H 1 to 16, HUP 1 to 8, HANEY, MOSE, CHARLES, Mineral Lease M-265 (Lot 1756).

OWNER: Hunter Point Explorations Ltd.

OPERATOR: CHROMEX NICKEL MINES LTD., 105 West Sixth Avenue, Vancouver V5Y 1K3.

METALS: Nickel, chromium, copper, gold, silver, platinum.

DESCRIPTION: The claims are underlain by an ultrabasic plug composed of dunite, gabbro, and subsilicic dykes and apophyses believed to emanate from both the Nelson and Coryell intrusions.

WORK DONE: 1976 and 1977 – geological mapping, 1:2400, covering Mastodon, Mastodon Fr., and Ann 32.

REFERENCES: Mineral Inventory 82E/SE-91; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, p. 35; Assessment Reports 860, 6457.

JO (Fig. E-1, NTS 82, No. 2)

LOCATION: Lat. 49° 03' Long. 118° 24' (82E/1W)
GREENWOOD M.D. Three kilometres north-northeast of Grand Forks, between Overton Creek and Morrissey Creek.

CLAIM: JO (20 units).

OWNER: CHINOOK CONSTRUCTION & ENGINEERING LTD., 301, 1201 West Pender Street, Vancouver.

DESCRIPTION: Rocks observed on the property were biotite schists and marbles and intrusive pegmatoid material.

WORK DONE: Linecutting, 15.3 kilometres, and geochemical survey, 290 soil samples analysed for uranium, covering JO.

REFERENCE: Assessment Report 6534.

SD (Fig. E-2, NTS 82, No. 1)

LOCATION: Lat. 49° 07' Long. 118° 23' (82E/1W)
GREENWOOD M.D. Six to 14 kilometres north-northeast of Grand Forks, extending from Sand Creek to Volcanic Creek.

1977

(82E/1W)

CLAIMS: JAN (12 units), RADAR (5 units), JUDY (6 units), DOUBLE (8 units), BULL II (12 units), BEN (6 units), MIDWAY (12 units), MIDNITE (15 units), DENA (4 units), SNOW (8 units), TARA (12 units), MEREDITH (4 units), TREADMILL (16 units), GILL (16 units), TORONTO (20 units), SNOWBALL (20 units), SPIKE (20 units), RALPH (20 units), ROBERTA (1 unit).

OWNERS: CASSIAR ASBESTOS CORPORATION LIMITED, CONSOLIDATED BOUNDARY EXPLORATION LTD., and CHINOOK CONSTRUCTION & ENGINEERING LTD., c/o 301, 1201 West Pender Street, Vancouver V6E 2V2.

METAL: Uranium.

DESCRIPTION: The area is underlain by rocks of the Shuswap Complex consisting of biotite schists and gneisses and migmatites intruded by Tertiary alaskitic veins and pegmatites. Uraninite and secondary autunite occur in biotite gneisses and also in the alaskitic rocks. Mineralization appears structurally controlled, tending to be in shear zones and basement lows, and is probably syngenetic with the biotite schists.

WORK DONE: Linecutting, 385 kilometres and geochemical survey, 6000 soil samples analysed for uranium and 200 soil samples analysed for thorium, covering most of the claims; geological survey, 1:5000, covering Ben, Jan, Radar, Bull II, Midnite, Snow; magnetometer survey, 10 kilometres, covering Ben and Radar; radon emanometer survey, 5 kilometres, covering Jan and Radar; ground scintillometer survey, 57 kilometres, covering Ben and Jan; gamma ray spectrometer (ground) survey, 60.8 kilometres, covering Bull II, Radar, Midnite, and Snow.

REFERENCES: Mineral Inventory 82E/SE-142 to 145; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 11; 1976, p. E 18; Assessment Reports 3172, 5585, 5964, 6351, 6392, 6434, 6449, 6535, 6536.

HUMMING BIRD (Fig. E-1, NTS 82, No. 3)

LOCATION: Lat. 49° 09' Long. 118° 28' (82E/1W)
GREENWOOD M.D. Thirteen kilometres north of Grand Forks, 200 metres west of the Granby River, on Brown Creek, between 540 and 750 metres elevation.

CLAIMS: HUMMING BIRD (Lot 1369), OK (Lot 1478), MAMMIE (Lot 1246), HUMMINGBIRD FR. (Lot 1249).

OWNER: BIANCA RESOURCES LIMITED, 711, 475 Howe Street, Vancouver.

METALS: Gold, silver, zinc, lead, copper.

DESCRIPTION: The claims are underlain mainly by limestone and andesitic greenstone of the Anarchist Group. Within the mineralized area, the volcanic rocks are to a certain extent carbonaceous. Massive pyrite, pyrrhotite, arsenopyrite, sphalerite, galena, and minor chalcopyrite are found as vein-fissure-type orebodies and along bedding planes within the limestone and at the limestone-andesite contact.

1977

(82E/2E)

WORK DONE: Geological survey, 1:4800, and ground scintillometer survey, 6 kilometres, covering all claims.

REFERENCES: Mineral Inventory 82E/SE-57; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 11; Assessment Reports 5396, 6225.

ARROWHEAD (Fig. E-1, NTS 82, No. 6)

LOCATION: Lat. 49° 02.5' Long. 118° 44' (82E/2E)

GREENWOOD M.D. Five kilometres northeast of Midway, between Jolly Jack and Boundary Creeks.

CLAIMS: ARROWHEAD 1 to 8.

OWNER: DOWSER SYSTEMS LTD., 1262 Eastview Road, North Vancouver V7J 1L6.

WORK DONE: Drilling, four holes totalling 90 metres.

WOLFARD (Fig. E-1, NTS 82, No. 17)

LOCATION: Lat. 49° 03' Long. 118° 33' (82E/2E)

GREENWOOD M.D. Five kilometres northwest of Grand Forks, on July Creek at Skeff Creek.

CLAIMS: JIM (Lot 2905), TRIPOD (Lot 1463S), WINDFALL (Lot 1210S), FLORENCE (Lot 1187S), MAY (Lot 2217) plus APRIL (20 units), APRIL 1 (10 units), APRIL 2 (12 units), APRIL 2 (10 units).

OWNER: John P. Henry.

OPERATOR: TOFINO MINES LTD., 420, 475 Howe Street, Vancouver V6C 2B3.

METAL: Copper.

DESCRIPTION: The claim group is underlain by a Tertiary sedimentary sequence that is similar to the geology of the Phoenix mine area. Intruding these sedimentary rocks are granitic to basic intrusive rocks of Cretaceous age as well as dykes and small plugs of Tertiary diorite.

WORK DONE: 1976 — surface geological mapping, 1:2400; geochemical survey, 148 soil samples analysed for copper; and magnetometer survey, 8.5 kilometres, covering April claims; reconnaissance geochemical survey, 43 soil samples analysed for copper, covering May.

REFERENCES: Mineral Inventory 82E/SE-180; *Minister of Mines, B.C.*, Ann. Rept., 1906, p. 161; Assessment Reports 2768, 6199, 6222.

APRIL (Fig. E-1, NTS 82, No. 224)

LOCATION: Lat. 49° 03' Long. 118° 34' (82E/2E)

GREENWOOD M.D. Ten kilometres west-northwest of Grand Forks, 2 kilometres southwest of confluence of Skeff Creek and July Creek.

CLAIMS: APRIL 1, APRIL 2, APRIL 3, APRIL 77, and APRIL 77-1 (totalling 52 units) plus CALEDONIA (Lot 973), MAY (Lot 2217S), FLORENCE (Lot 1187S), WINDFALL (Lot 1210S), TRIPOD FR. (Lot 1463S), and JIM (Lot 2905).

1977

(82E/2E)

OWNERS: Tofino Mines Ltd. and J. P. Henry.
OPERATOR: TOFINO MINES LTD., 511, 409 Granville Street, Vancouver.
METAL: Copper.
DESCRIPTION: Massive magnetite with pyrrhotite and pyrite occurs in a skarn zone. Chalcopyrite is associated with the magnetite.
WORK DONE: Percussion drilling, 13 holes totalling 117 metres; 34 samples analysed for copper; and surface geological mapping, covering April 77 and 77-1; ground magnetometer survey, covering April 1 and 3.
REFERENCES: Mineral Inventory 82E/SE-182; Assessment Reports 2768, 6199, 6636.

TIGER FRACTION (Fig. E-1, NTS 82, No. 214)

LOCATION: Lat. 49° 04' Long. 118° 41' (82E/2E)
GREENWOOD M.D. Approximately 1 kilometre south of Greenwood and 0.75 kilometre east of Boundary Creek, south of Linda Creek and opposite Haas Creek.
CLAIM: TIGER FRACTION (1 unit) (cancelled Lot 1571S).
OWNER: ANTONIUS KOST, JR., Box 496, Greenwood V0H 1J0.
WORK DONE: Cleaning and pumping existing shaft, 15 metres; mucking and shoring existing adit, 15 metres; test pitting, 2 metres by 2 metres by 2 metres deep; and road construction, slashing and levelling existing road to adit, all on Tiger Fraction.
REFERENCE: *Minister of Mines, B.C.*, Ann. Rept., 1934, p. D6 (Helen).

MIDWAY (Fig. E-1, NTS 82, No. 227)

LOCATION: Lat. 49° 01' Long. 118° 53.5' (82E/2W)
GREENWOOD M.D. Immediately north of the International Boundary, 9 kilometres west of Midway.
CLAIMS: MIDWAY 1 and 2 (totalling 40 units).
OWNER: R. S. Adamson.
OPERATOR: E&B EXPLORATIONS LTD., 3015 Shell Centre, 400 Fourth Avenue SW., Calgary, Alta.
DESCRIPTION: The claims are underlain by Eocene volcanic rocks of the Marron Formation, including hornblende feldspar porphyry flows, feldspar porphyry flows, and tuffs.
WORK DONE: Surface geological mapping; geochemical survey, 45 silt and 20 water samples analysed for uranium; and ground radiometric survey, covering both claims.
REFERENCE: Assessment Report 6613.

1977

(82E/2W)

ROB (Fig. E-1, NTS 82, No. 10)

LOCATION: Lat. 49° 03.5' Long. 118° 46.5' (82E/2W)
GREENWOOD M.D. Five kilometres due north of Midway, between Jolly Jack Creek and the headwaters of Bauer Creek.

CLAIMS: ROB 1 to 8.

OWNER: John R. Lakes.

OPERATOR: J. S. HILTON, 601, 543 Granville Street, Vancouver V6C 1X8.

METAL: Radioactive occurrence.

DESCRIPTION: The claims are overlain by the Eocene Marron and Kettle River Formations with an andesite capping a few hundred feet thick. The rock types comprise andesite, andesitic flow breccia, crystal tuff, lithic sandstone, and trachyte. Very low assays in uraninite were reported.

WORK DONE: Surface geological mapping, 1:2500, and ground scintillometer survey, 7.2 kilometres, covering Rob 3-8.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 22; Assessment Reports 5660, 6083, 6475.

JADO 5 TO 8 (Fig. E-1, NTS 82, No. 14)

LOCATION: Lat. 49° 04' Long. 118° 58.5' (82E/2W)
GREENWOOD M.D. Three kilometres east-northeast of the community of Rock Creek, on Nicholson Creek and including the community of Kettle Valley.

CLAIMS: JADO 5 (12 units), JADO 6 (3 units), JADO 7 (12 units), JADO 8 (2 units).

OWNERS: Robert A. Dickinson, R. Bechtel, and Percy Cox.

OPERATOR: WESPAS RESOURCES LTD., 2050, 200 Granville Street, Vancouver.

METAL: Radioactive occurrence.

DESCRIPTION: The claims are underlain by Kettle River Formation sedimentary rocks overlain by Marron (Phoenix) Formation volcanic rocks and intruded by one or more dioritic intrusions. The latter are possibly the intrusive equivalent of the Marron Formation volcanic rocks.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 336 soil samples; and ground scintillometer survey, 17.0 kilometres, covering all claims.

REFERENCE: Assessment Report 6530.

XUL (Fig. E-1, NTS 82, No. 55)

LOCATION: Lat. 49° 04.5' Long. 118° 55.5' (82E/2W)
GREENWOOD M.D. Five kilometres east-northeast of Rock Creek, 2 kilometres north of the Kettle River, between Nicholson and Bubar Creeks.

CLAIMS: XUL (6 units), XUL 1 (3 units), XUL 2 (6 units).

OWNER: MASCOT MINES & PETROLEUMS LIMITED, Box 9388, 205 Fifth Avenue SW., Calgary, Alta. T2P 2W6.

1977

(82E/2W)

DESCRIPTION: The major portion of the claim area is underlain by rocks of the Kettle River Formation.

WORK DONE: Gamma ray spectrometer survey, 7 kilometres and petrographic study of eight samples, covering XUL.

REFERENCES: Assessment Reports 3354 (Lux), 6568.

RIVERSIDE (Fig. E-1, NTS 82, No. 9)

LOCATION: Lat. 49° 07' Long. 118° 58' (82E/2W)

GREENWOOD M.D. Seven kilometres north of Rock Creek and 400 metres east of the Kettle River.

CLAIMS: RIVERSIDE (Lot 1031), HR (Lot 1033), RIVERSIDE NO. 2 FR. (Lot 2605S).

OWNER: ALBERNI MINES LTD., 4913 Argyle Street, Port Alberni V0Y 1V6.

METALS: Silver, gold, lead, zinc.

DESCRIPTION: The property is underlain by greenstones and detrital sedimentary rocks of the Anarchist Group which are intruded by pod-like bodies of highly altered, sheared, ultrabasic rocks. Pyrite, galena, and sphalerite mineralization is common in quartz and calcite veins and in stringers, and is disseminated along fractures in the wallrock.

WORK DONE: Trenching and stripping, six trenches totalling 54.3 metres and one trench totalling 45 metres, on Riverside and Riverside No. 2 Fr.

REFERENCES: Mineral Inventory 82E/SE-114; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 22; Assessment Reports 1766, 2882.

COPPER MINE, KING SOLOMON (Fig. E-1, NTS 82, No. 21)

LOCATION: Lat. 49° 07.5' Long. 118° 46.5' (82E/2W)

GREENWOOD M.D. Eight kilometres northwest of Greenwood, at the head of Motherlode Creek.

CLAIMS: COPPER MINE (Lot 577), JUMBO (Lot 576), COMMANDER (Lot 575), COP (12 units), WIN (8 units), NOVA (6 units), plus Lots 387, 388, 617, 1572, 1713, 1851, 2311, 660, 264.

OPERATOR: RIO TINTO CANADIAN EXPLORATION LIMITED, 615, 555 Burrard Street, Vancouver V7X 1M8.

METAL: Copper.

DESCRIPTION: The claim group is underlain by sharpstones and limestones of the Anarchist Group, much of which is unconformably overlain by Tertiary flows and pyroclastic rocks. The old Copper Queen mining camp, which lies in the centre of the claim group, consists of occurrences of copper sulphides, native copper, iron sulphides, and skarn minerals within the Brooklyn limestone.

WORK DONE: Surface geological mapping, 1:5000, covering all claims; induced polarization survey, 4 kilometres on Lots 660, 1572, 2611 and 3.1 kilometres on Win and Cop; surface drilling, one hole totalling 304 metres, on Cop.

1977

(82E/2W)

REFERENCES: Mineral Inventory 82E/SE-53, 54, 134; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 227; Assessment Reports 1082 (Copper Queen), 2353 (Poppy), 5842, 6017, 6378, 6394, 6436.

TYEE (Fig. E-1, NTS 82, No. 8)

LOCATION: Lat. 49° 07.5' Long. 118° 50' (82E/2W)
GREENWOOD M.D. Thirteen kilometres west-northwest of Greenwood at the head of Violet Creek, on the west slope of Copper Mountain.

CLAIMS: TYEE, TYEE 1, 4, 5, and 6 Fractions, TYEE 2, 3A, 9, 10, 11A, 12A, 24A, 25, 30, 42, 46, 47, 50, 52, MABEL, MABEL 1 Fraction, JENNIE, JENNIE 1 to 3 Fractions, CORONATION, LEO, INGRAM CREEK Fraction, TROUT 2.

OWNER: WESTRIDGE MINING COMPANY LTD., 215, 198 West Hastings Street, Vancouver V6B 1G8.

METALS: Gold, silver, copper.

DESCRIPTION: Three rock types are recognized in the area: sheared and deformed Anarchist Group quartzites; sheared granodiorite; and Tertiary volcanic rocks at higher elevations. Copper-gold-silver mineralization, disseminated in the pyrrhotite and pyrite, is found in a shear zone trending northeast. At a lower elevation a quartz vein system found in the granodiorite extends east-west from an old shaft and carries gold-silver-copper values plus added arsenopyrite veins assaying in gold values. Southward, on the adjacent claim, is an east-west quartz vein, assaying in gold values.

WORK DONE: Test pitting using air drilling with tungsten carbide drill, approximately 200 lineal metres, on Mabel.

REFERENCES: Mineral Inventory 82E/SE-203; *B.C. Ministry of Mines & Pet. Res.*, Geological Fieldwork, 1975, pp. 19, 20; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 22, E 23.

GREEN (Fig. E-1, NTS 82, No. 226)

LOCATION: Lat. 49° 08.5' Long. 118° 57.5' (82E/2W)
GREENWOOD M.D. One kilometre west of the confluence of Ed James Creek and the Kettle River.

CLAIM: GREEN 3 (20 units).

OWNER: R. S. Adamson.

OPERATOR: E&B EXPLORATIONS LTD., 3015 Shell Centre, 400 Fourth Avenue SW., Calgary, Alta.

DESCRIPTION: The claims are underlain by cherty to andesitic volcanic Paleozoic rocks in fault contact with Tertiary volcanic and sedimentary rocks.

WORK DONE: Ground radiometric survey and geochemical survey, 135 soil, 1 water, and 24 silt samples analysed for uranium, covering Green 3.

REFERENCE: Assessment Report 6609.

JOE (Fig. E-1, NTS 82, No. 20)

LOCATION: Lat. 49° 09' Long. 118° 47' (82E/2W)
 GREENWOOD M.D. Nine kilometres northwest of Greenwood, at the headwaters of Wallace Creek, on the northeast slope of Copper Mountain.

CLAIMS: JOE (12 units), PEN (20 units), AB (16 units).

OWNER: Jim Forshaw.

OPERATOR: RIO TINTO CANADIAN EXPLORATION LIMITED, 615, 555 Burrard Street, Vancouver V7X 1M8.

METALS: Zinc, copper.

DESCRIPTION: Pyrite and sphalerite accompanied by skarn minerals occur in a shear zone cutting limestones of the Brooklyn Formation. Trace amounts of chalcopyrite occur in calcareous quartzites and limestones of the sharpstone unit which overlies rocks of the Knob Hill Group. The general trend of the Brooklyn rocks is northeast-southwest, dipping steeply to the east.

WORK DONE: 1976 — surface geological mapping, 1:5000, and geochemical survey, 38 silt samples, covering Pen, AB, Joe; induced polarization survey, 0.7 kilometre, covering Joe.

REFERENCES: Mineral Inventory 82E/SE-118; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 19; Assessment Reports 2925 (J, VJ, etc.), 5842, 6017, 6394.

WEST (Fig. E-1, NTS 82, No. 225)

LOCATION: Lat. 49° 12' Long. 118° 58' (82E/2W)
 GREENWOOD M.D. Three kilometres due north of the confluence of West Kettle River and Kettle River.

CLAIM: WEST 1 (20 units).

OWNER: R. S. Adamson.

OPERATOR: E&B EXPLORATIONS LTD., 3015 Shell Centre, 400 Fourth Avenue SW., Calgary, Alta.

DESCRIPTION: The claims are underlain mainly by varicoloured feldspar and hornblende porphyritic volcanic rocks, with some interbedded tuffs, sandstones, and basalts.

WORK DONE: Surface geological mapping; ground radiometric survey; and geochemical survey, 18 silt, 3 soil, 5 water, and 3 rock samples analysed for uranium, covering West 1.

REFERENCE: Assessment Report 6614.

JADO 4 (Fig. E-1, NTS 82, No. 13)

LOCATION: Lat. 49° 13' Long. 118° 54' (82E/2W)
 GREENWOOD M.D. Twenty kilometres north-northeast of the community of Rock Creek, 2 kilometres up Fiva Creek from the Kettle River.

CLAIMS: JADO 4 (16 units).

1977

(82E/3E)

OWNERS: Robert A. Dickinson, R. Bechtel, and Percy Cox.
OPERATOR: WESPAS RESOURCES LTD., 2050, 200 Granville Street, Vancouver.
METAL: Radioactive occurrence.
DESCRIPTION: This property is underlain by a small wedge of Kettle River Formation in contact with the Nelson granodiorite to the southeast and the Marron (Phoenix) Formation to the north and northwest.
WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 157 soil samples; and ground scintillometer survey, 8.25 kilometres, covering Jado 4.
REFERENCE: Assessment Report 6530.

JADO 9 (Fig. E-1, NTS 82, No. 15)

LOCATION: Lat. 49° 02' Long. 119° 02' (82E/3E)
GREENWOOD M.D. Three kilometres southwest of the community of Rock Creek and just north of Myers Lake.
CLAIM: JADO 9 (20 units).
OWNERS: Robert A. Dickinson, R. Bechtel, and Percy Cox.
OPERATOR: WESPAS RESOURCES LTD., 2050, 200 Granville Street, Vancouver.
METAL: Radioactive occurrence.
DESCRIPTION: Two rock types were observed. The main rock type is the Myers Lake stock of granitic to monzonitic composition. In the northwest part of the grid, nearly flat-lying sandstone and conglomerates of the Kettle River Formation overlie the Myers Lake stock.
WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 56 soil samples; and ground scintillometer survey, 1.95 kilometres, covering Jado 9.
REFERENCE: Assessment Report 6530.

SHEILA (Fig. E-1, NTS 82, No. 18)

LOCATION: Lat. 49° 05.5' Long. 119° 13' (82E/3E)
GREENWOOD M.D. Six kilometres north-northwest of Bridesville, straddling McKinney Creek.
CLAIM: SHEILA (20 units).
OWNER: LUSTRE GOLD MINES INC., 2nd Floor, 900 West Pender Street, Vancouver.
DESCRIPTION: The claim is covered by glacial drift of unknown thickness. The area is underlain by Nelson plutonic rocks which are bordered on the east by rocks of the Anarchist Group.
WORK DONE: Geochemical survey, 70 soil samples analysed for copper, zinc, silver, and gold, covering Sheila.
REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 23; Assessment Reports 5991, 6547.

1977

(82E/3E)

BM, BD (Fig. E-1, NTS 82, No. 19)

LOCATION: Lat. 49° 07' Long. 119° 07.5' (82E/3E)
GREENWOOD M.D. Ten kilometres north-northeast of Bridesville, on Jolly Creek.

CLAIMS: DM (16 units), DB (6 units).

OWNER: BP MINERALS LIMITED, 355 Eighth Avenue SW., Calgary, Alta. T2P 1C9.

DESCRIPTION: The claims are underlain by volcanic rocks of the Marron Formation, sedimentary rocks of the Kettle River Formation, and metavolcanic and sedimentary rocks of the Anarchist Group.

WORK DONE: Surface geological mapping, 1:10 000; geochemical survey, 354 soil samples and 20 silt samples analysed for uranium, copper, lead, molybdenum, zinc, and nickel; ground scintillometer survey, 22 kilometres; and fission track etch, 85 cups, covering all claim units.

REFERENCE: Assessment Report 6512.

BOOMERANG, WS (Fig. E-1, NTS 82, No. 47)

LOCATION: Lat. 49° 15' Long. 119° 01' (82E/3E, 6E)
GREENWOOD M.D. Three kilometres due north of Rhone station, extending west from the West Kettle River and south from Nelse Creek.

CLAIMS: BOOMERANG (Lot 733S), WS (Lot 2281), EAGLE FR. (Lot 2282), CHAPERONE (Lot 875S), ICONOCLAST (Lot 734S), BC (Lot 725S).

OWNER: DOUGLAS H. HOPPER, B2, 1175 Haro Street, Vancouver.

METALS: Gold, silver.

WORK DONE: 1976 — prospecting, covering all claims; geochemical survey, 190 soil samples, covering BC, WS, Iconoclast, Chaperone; sampling, 17 vein and dump samples assayed, covering BC, WS, Iconoclast, Boomerang.

REFERENCES: Mineral Inventory 82E/SW-63; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 18; Assessment Reports 5621, 6286.

SHELL (Fig. E-2, NTS 82, No. 52)

LOCATION: Lat. 49° 01' Long. 119° 20' (82E/3W)
OSOYOOS M.D. Ten kilometres east of Osoyoos and about 0.5 kilometre north of Highway 3.

CLAIM: PY 1.

OWNER: EGIL LIVGARD, 1990 King Albert Avenue, Coquitlam.

METAL: Zinc.

WORK DONE: Geochemical survey, 58 soil samples analysed for zinc, covering PY 1.

REFERENCES: Mineral Inventory 82E/SW-79; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1971, p. 383; Assessment Reports 2926; 6559.

1977

(82E/4E)

R (Fig. E-1, NTS 82, No. 23)

LOCATION: Lat. 49° 02' Long. 119° 39' (82E/4E)
OSOYOOS M.D. Thirteen kilometres west of Osoyoos, at Frank Lake.
CLAIMS: R 1 (4 units), R 2 (3 units), R 3 (4 units).
OWNER: British Newfoundland Exploration Limited.
OPERATOR: D. G. LEIGHTON & ASSOCIATES LTD., 3152 West 10th Avenue, Vancouver V6K 2K9.
DESCRIPTION: Little bedrock is exposed. The claims are apparently underlain mainly by granodiorite.
WORK DONE: Gamma ray spectrometer survey, 7.8 kilometres, covering all claims.
REFERENCE: Assessment Report 6322.

POLVO (Fig. E-1, NTS 82, No. 24)

LOCATION: Lat. 49° 13' Long. 119° 35' (82E/4E)
OSOYOOS M.D. Extends 7 kilometres north and 4 kilometres west of Oliver.
CLAIMS: POLVO (18 units), RKL 1 (18 units), RKL 2 (20 units), SYN (12 units), SYN 2 (12 units), GUM 1 (20 units), OLI 1 (8 units), OLI 2 (15 units).
OWNER: British Newfoundland Exploration Limited.
OPERATOR: D. G. LEIGHTON & ASSOCIATES LTD., 3152 West 10th Avenue, Vancouver V6K 2K9.
METAL: Uranium.
DESCRIPTION: The property is underlain mainly by Cretaceous granite which intrudes Kobau Group metasedimentary rocks. The latter are exposed on the southern portion of the property. Uranium mineralization occurs in several manners, including contact accumulations and in dykes.
WORK DONE: Linecutting, 20 kilometres, covering RKL and GUM; geochemical survey, 300 soil samples covering SYN and GUM 1 and 700 soil samples analysed for uranium covering RKL, SYN, and GUM.
REFERENCES: Mineral Inventory 82E/SW-141; Assessment Reports 6360, 6504.

GIL, PA (Fig. E-1, NTS 82, No. 25)

LOCATION: Lat. 49° 07' Long. 119° 55' (82E/4W)
OSOYOOS M.D. Eleven kilometres southwest of Keremeos, covering the headwaters of Gillanders Creek.
CLAIMS: GIL 1 to 26, LIG 1 to 18, LI 1 to 20, LG 1 to 3 (18 units).
OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 801, 161 Eglinton Avenue East, Toronto, Ontario M4P 1J5.
METALS: Tungsten, copper, molybdenum, zinc.
DESCRIPTION: Calc-silicate skarn zones are interlayered with cherts, argillites, and andesitic volcanic units. Mineralization is erratic and is associated with the skarn horizons.

1977

(82E/4W)

WORK DONE: Road construction, 8 kilometres (mainly off property); surface diamond drilling, one NW hole totalling 188 metres, on LG 1.

REFERENCES: Mineral Inventory 82E/SW-122; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 24; Assessment Reports 6191, 6557.

FOB (Fig. E-1, NTS 82, No. 182)

LOCATION: Lat. 49° 10' Long. 120° 00' (82E/4W; 92H/1E)
OSOYOOS M.D. Thirteen and one-half kilometres east-southeast of Keremeos, straddling the confluence of Gillanders Creek and Ashnola River.

CLAIMS: FOB 1 to 6, RAD (20 units), VAC (20 units).

OWNER: CONSOLIDATED KALCO VALLEY MINES LTD., 511, 850 West Hastings Street, Vancouver V6C 1E1.

METAL: Molybdenum.

DESCRIPTION: A molybdenite showing occurs in green andesite which is intruded by granodiorite. The intrusive rocks consist of grey feldspar porphyry, appearing as lensy dykes within the andesite.

WORK DONE: Geological mapping, 1:1000, covering part of FOB 2; diamond drilling, one hole totalling 158.2 metres on FOB 2; geochemical survey, 239 soil samples analysed for copper and molybdenum, covering FOB 1-4.

REFERENCES: Mineral Inventory 82E/SW-138; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 25; Assessment Report 6173.

ASTRO (Fig. E-1, NTS 82, No. 22)

LOCATION: Lat. 49° 17' Long. 119° 40' (82E/4, 5)
OSOYOOS M.D. From Highway 3A, at a point 3 kilometres northwest of Okanagan Falls, westward to Keremeos Creek, thence southward to Blind Creek, thence eastward to a point 13 kilometres south of Okanagan Falls.

CLAIMS: ASTRO 1 to 46 (744 units).

OWNER: PACIFIC PETROLEUMS LTD., 700 Sixth Avenue SW., Box 6666, Calgary, Alta. T2P 6T6.

DESCRIPTION: The salient feature of the geology is the presence of an erosional remnant of Tertiary volcanic, sedimentary, and pyroclastic rocks. Geological, radiometric, and geochemical surveys indicate that the area is favourable for the occurrence of basal-type Tertiary uranium deposits. Radioactivity was found to be highest in the terrain of the Marron Formation.

WORK DONE: Geological mapping, 1:25 000, and geochemical survey, 237 lake and swamp water, 192 stream water, 43 seep water, and 5 well water samples analysed for uranium, fluorine, and pH, 364 lake and swamp sediment, 449 stream sediment, 34 seep sediment, 4 mine tailings, and 162 rock samples analysed for uranium, molybdenum, copper, and fluorine, and 7 rock samples assayed for uranium and thorium, covering all claims.

REFERENCE: Assessment Report 6532.

1977

(82E/5)

TWIN (Fig. E-1, NTS 82, No. 28)

LOCATION: Lat. 49° 19' Long. 119° 45' (82E/5)
OSOYOOS M.D. Eleven kilometres west of Okanagan Falls, from Trout and Yellow Lakes southward to Twin (Nipit) Lakes.

CLAIMS: TWIN 1 to 8 (75 units).

OWNER: UNION OIL COMPANY OF CANADA LTD., 335 Eighth Avenue SW., Box 999, Calgary, Alta.

DESCRIPTION: The property lies in an area underlain by the Eocene Springbrook Formation. The basal conglomerate of the formation is composed of clasts of black chert, granite, and volcanic rocks ranging in size from pebbles to boulders. The Springbrook Formation is similar to Tertiary sedimentary rocks which have hosted uranium mineralization elsewhere in the Okanagan region.

WORK DONE: Linecutting, ground scintillometer, and induced polarization surveys, 2.9 kilometres each, covering Twin 6.

REFERENCE: Assessment Report 6506.

KER (Fig. E-1, NTS 82, No. 217)

LOCATION: Lat. 49° 15' Long. 119° 46.5' (82E/5W)
OSOYOOS M.D. Five kilometres northeast of the community of Keremeos, mainly south of Keremeos Columns Park.

CLAIMS: KER 1 and 2 (totalling 38 units).

OWNER: UNION OIL COMPANY OF CANADA LTD., 335 Eighth Avenue SW., Calgary, Alta.

DESCRIPTION: Claims are underlain by basal conglomeratic rocks of the Springbrook Formation.

WORK DONE: Surface geological mapping; ground scintillometer survey, 277 data points; and geochemical survey, 121 soil, 26 silt, and 76 rock samples analysed for uranium, covering both claims.

REFERENCE: Assessment Report 6637.

OLALLA (Fig. E-1, NTS 82, No. 4)

LOCATION: Lat. 49° 18' Long. 119° 48' (82E/5W)
OSOYOOS M.D. Ten kilometres north of Keremeos and immediately southeast of Indian Reserve 12A.

CLAIM: OLALLA 1.

OWNER: British Newfoundland Exploration Limited.

OPERATOR: D. G. LEIGHTON & ASSOCIATES LTD., 3152 West 10th Avenue, Vancouver V6K 2K9.

METAL: Radioactive occurrence.

DESCRIPTION: Radioactive trachyte is in contact with Triassic limestone and Tertiary chert breccia.

WORK DONE: Linecutting and radiometric and geochemical survey, covering Olalla 1.

1977

(82E/5W)

RENO (Fig. E-1, NTS 82, No. 26)

LOCATION: Lat. 49° 20' Long. 119° 48' (82E/5W)
OSOYOOS M.D. Fifteen kilometres north of Keremeos, extending northwest from Marsel Creek, approximately 2.4 kilometres north of its confluence with Keremeos Creek.

CLAIMS: RENO 1 to 8.

OWNER: ALBERT FALKENSTEIN, Box 4, Keremeos.

WORK DONE: Stripping, 15 by 15 metres (several places in search for olivine); tunnelling, 2.4 metres by 2.1 metres and 1 metre deep.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 25; Assessment Reports 5005, 5871.

DIVIDEND (Fig. E-1, NTS 82, No. 27)

LOCATION: Lat. 49° 22' Long. 119° 52' (82E/5W)
OSOYOOS M.D. Eighteen kilometres north of Keremeos, covering Dividend Mountain between Keremeos and South Keremeos Creeks.

CLAIMS: SCM A (20 units), SCM B (20 units), SCM C (15 units).

OWNER: Southcan Mining Ltd.

OPERATORS: SOUTHCAN MINING LTD., 350 Main Street, Penticton and (since August, 1977) NORANDA EXPLORATION COMPANY, LIMITED, 1050 Davie Street, Vancouver.

METALS: Copper, gold.

DESCRIPTION: Irregular skarn-type deposits, carrying pyrrhotite, magnetite, and copper sulphides, are present in the claim area. These occurrences often lie close to the contact of dykes and/or larger intrusive bodies with limy metasedimentary rocks of the Independence and Shoemaker Formations.

WORK DONE: Trenching, linecutting, road building, prospecting, and geochemical surveying, covering SCM A and SCM B.

REFERENCES: Mineral Inventory 82E/SW-53, 124; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 21; Assessment Report 5574.

TOUGH OAKS (Fig. E-1, NTS 82, No. 29)

LOCATION: Lat. 49° 27' Long. 119° 58' (82E/5W)
OSOYOOS M.D. About 25 kilometres west-southwest of Penticton and 6 kilometres north of Nickel Plate Lake, on Broken Creek.

CLAIMS: TOUGH OAKS 2 to 12, GLYNNE HILL 1 to 4, BWINABY 1 to 6, GOLDEN TOAD.

OWNER: Charles Marshall.

OPERATOR: SUMAGRO MINING INC., 2173A Dundas Street, Vancouver V5L 1J7.

METALS: Gold, copper, tungsten.

1977

(82E/5W)

DESCRIPTION: The property overlies the Hedley Formation which is composed of quartzite, cherty quartzite, argillite, limestone, breccia, and tuff of Triassic age intruded by granite and granodiorite of post-Triassic age.

WORK DONE: 1976 — linecutting, 4.8 kilometres, covering Tough Oaks 3, 9-11; geological mapping, 1:4800, and geochemical survey, 18 soil, 9 silt, and 18 rock chip samples, covering all claims.

REFERENCES: Mineral Inventory 82E/SW-143; Assessment Report 6091.

CLARK (Fig. E-1, NTS 82, No. 7)

LOCATION: Lat. 49° 28' Long. 119° 46' (82E/5W)
OSOYOOS M.D. Twelve kilometres west of Penticton, extending nearly 7 kilometres southerly from the south end of Brent Lake.

CLAIMS: CLARK 1 (20 units), CLARK 2 (20 units), CLARK 3 (20 units).

OWNER: British Newfoundland Exploration Limited.

OPERATOR: D. G. LEIGHTON & ASSOCIATES LTD., 3152 West 10th Avenue, Vancouver V6K 2K9.

METAL: Radioactive occurrence.

DESCRIPTION: Radioactive grits and tuffs are interbedded with lower Yellow Lake phonolites.

WORK DONE: Linecutting, covering all claims.

SPIRE (Fig. E-1, NTS 82, No. 32)

LOCATION: Lat. 49° 27' Long. 119° 16' (82E/6W)
SIMILKAMEEN M.D. Twelve kilometres west of Beaverdell, on Saunier Creek.

CLAIM: SPIRE (6 units).

OWNER: TOM J. FRASER, General Delivery, Okanagan Falls.

METALS: Copper, molybdenum, silver, gold.

DESCRIPTION: Mineralized quartz veins, exposed on Saunier Creek, occur along the contacts of Valhalla and Nelson plutonic rocks.

WORK DONE: Trenching, 181 square metres; stripping, 68 square metres; and drilling, 20 hand-drilled holes, covering Spire (units 4 and 5).

REFERENCE: Mineral Inventory 82E/SW-142.

HEIDI (Fig. E-1, NTS 82, No. 53)

LOCATION: Lat. 49° 26' Long. 119° 01' (82E/6E)
GREENWOOD M.D. Five kilometres west of Beaverdell, from Goat Peak northward.

CLAIMS: HEIDI 1 (20 units), HEIDI 2 (15 units), HEIDI 3 (12 units), HEIDI 4 (6 units).

OWNER: Union Carbide Canada Limited.

OPERATOR: UNION CARBIDE EXPLORATION CORPORATION, 404, 1112 West Pender Street, Vancouver V6E 2S1.

1977

(82E/7E)

DESCRIPTION: Kettle River Formation conglomerate and sandstones were deposited in a basin and were covered by an Eocene volcanic sequence. There is a general elevation of uranium background levels in the finer grained sedimentary rocks of the Kettle River Formation.

WORK DONE: 1976 – surface geological mapping, 1:10 000, and geochemical survey, 52 rock samples and 23 stream sediment samples analysed for uranium, covering all claims.

GREEN (Fig. E-1, NTS 82, No. 39)

LOCATION: Lat. 49° 23' Long. 118° 40' (82E/7E)

GREENWOOD M.D. Thirty-two kilometres north of Greenwood, between Terraced Peak and Gable Creek.

CLAIMS: GREEN 1 (15 units), GREEN 2 (15 units), GREEN 3 (15 units), GREEN 4 (20 units).

OWNER: CHARLES BOITARD, 2245 West 13th Avenue, Vancouver.

WORK DONE: Electromagnetic and scintillometer surveys, covering all claims.

REFERENCE: Assessment Report 6617.

GABLE (Fig. E-1, NTS 82, No. 30)

LOCATION: Lat. 49° 26' Long. 118° 34' (82E/7E)

GREENWOOD M.D. Forty-five kilometres north of Grand Forks, on the north branch of Gable Creek, 4 kilometres west of the Granby River.

CLAIMS: GABLE 1 (20 units).

OWNER: J. R. Kerr.

OPERATOR: THE AGNES & JENNIE MINING CO. LTD., 203, 1209 East Fourth Street, North Vancouver V7J 1G8.

DESCRIPTION: The property is underlain entirely by alkaline plutonic rocks of the Tertiary Coryell intrusions. These rocks are primarily syenitic; however, locally phases of basic (skonkinite) to ultrabasic alkaline rocks are found.

WORK DONE: 1976 and 1977 – surface geological mapping, 1:5000, and geochemical survey, 272 soil samples analysed for nickel, covering Gable 1.

REFERENCE: Assessment Report 6402.

JADO 3 (Fig. E-1, NTS 82, No. 12)

LOCATION: Lat. 49° 27' Long. 118° 50.5' (82E/7W)

GREENWOOD M.D. Three kilometres east of Kettle River and 2 kilometres north of Paturages Creek.

CLAIM: JADO 3 (20 units).

OWNERS: Robert A. Dickinson, R. Bechtel, and Percy Cox.

OPERATOR: WESPAS RESOURCES LTD., 2050, 200 Granville Street, Vancouver.

1977

(82E/8W)

METAL: Radioactive occurrence.
DESCRIPTION: Amygdaloidal basalts, andesite feldspar porphyries, and a volcanic breccia were observed. The volcanic breccia displays radioactivity.
WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 51 soil samples; and ground scintillometer survey, 2.0 kilometres, covering Jado 3.
REFERENCE: Assessment Report 6530.

HC (Fig. E-1, NTS 82, No. 31)

LOCATION: Lat. 49° 25' Long. 118° 23' (82E/8W)
GREENWOOD M.D. Approximately 42 kilometres north of Grand Forks, on Knappen Creek.
CLAIMS: HC 1 to 4 (20 units each).
OWNER: John Hogan.
OPERATOR: LONG LAC MINERAL EXPLORATION LTD., 1680, 1050 West Pender Street, Vancouver V6E 3S7.
DESCRIPTION: The major portion of the property is underlain by Marron volcanic rocks which are of Paleocene or Eocene age. The basement rocks in the area are the Coryell intrusive rocks (Paleocene age) and the Nelson intrusive rocks (Cretaceous age). Macroscopic mineralization consists of pyrite, goethite, limonite, magnetite, and carbonate within the Marron volcanic rocks.
WORK DONE: Linecutting, 32.6 kilometres, covering HC 1, 2, 4; geochemical survey, 1 045 soil samples, 296 rock samples, and 76 silt samples analysed for various elements, mainly uranium, silver, and gold, covering all claims.
REFERENCES: Assessment Reports 6342, 6585.

GLOUCESTER (Fig. E-1, NTS 82, No. 33)

LOCATION: Lat. 49° 34' Long. 118° 22' (82E/9W)
GREENWOOD M.D. Between Franklin and Gloucester Creeks, immediately north of Mount Franklin.
CLAIMS: GLOUCESTER (Lot 2809), GLOUCESTER FR. (Lot 145), GH (Lot 1820), GH FR. (Lot 932), MOUNTAIN LION (Lot 144).
OWNER: T. E. LISLE, 145 West Rockland Road, North Vancouver.
METAL: Copper.
DESCRIPTION: On the Gloucester claim, rocks encountered were greenstone, cherty quartzite, an altered tuff, and granodiorite.
WORK DONE: 1976 — prospecting, covering all claims.
REFERENCES: Mineral Inventory 82E/NE-5, 6; *Geol. Surv., Canada*, Mem. 56, pp. 154, 170-172; Assessment Report 6228.

1977

(82E/9W)

YELLOW JACKET (Fig. E-1, NTS 82, No. 34)

LOCATION: Lat. 49° 35' Long. 118° 22' (82E/9W)
GREENWOOD M.D. On the northeast side of Franklin Creek, south of Mount Franklin.

CLAIMS: YELLOW JACKET, MUNSTER (Lot 923S), ECLIPSE (Lot 935S), AX (Lot 927S), ATHELSTAN (Lot 1325S), EAGANVILLE, ANTELOPE FR. (Lot 928S), ALTO FR. (Lot 926S).

OWNER: Dallas Explorations Ltd.

OPERATORS: G. O'BRIEN, Box 1401, Station A, Vancouver and DALLAS EXPLORATIONS LTD., 404, 890 West Pender Street, Vancouver.

METALS: Copper, lead, zinc.

WORK DONE: 1976 — geochemical survey, 80 soil samples analysed for copper, covering most claims.

REFERENCES: Mineral Inventory 82E/NE-2, 21; *Geol. Surv., Canada*, Mem. 56, p. 167; Assessment Reports 1688, 6340.

SANDY (Fig. E-1, NTS 82, No. 35)

LOCATION: Lat. 49° 36' Long. 118° 21' (82E/9W)
GREENWOOD M.D. On Pinto Creek, southwest of Tenderloin Mountain.

CLAIMS: SANDY (9 units), SANDY 2 (4 units).

OWNER: JOHN LeMAY, Box 722, Kelowna V1Y 7P4.

METALS: (Copper, lead, zinc).

DESCRIPTION: The property is underlain by altered and sheared granite and breccia.

WORK DONE: Prospecting, covering Sandy 2.

REFERENCE: Assessment Report 6221.

JOY (Fig. E-2, NTS 82, No. 36)

LOCATION: Lat. 49° 36' Long. 118° 15' (82E/9W)
GREENWOOD and TRAIL CREEK M.D. Sixty-five kilometres north of Grand Forks, 6 kilometres west of Lower Arrow Lake, at the headwaters of Michaud Creek.

CLAIMS: JOY 1 (18 units), JOY 2 (16 units), JOY 3 (6 units).

OWNER: John Kerr.

OPERATOR: THE AGNES & JENNIE MINING CO. LTD., 203, 1209 East Fourth Street, North Vancouver V7J 1G8.

DESCRIPTION: The property is underlain entirely by alkaline plutonic rocks of the Tertiary Coryell intrusions. These rocks are primarily syenitic but contain minor amounts of more basic phases.

WORK DONE: 1976 and 1977 — geochemical survey, 370 soil samples (240 analysed for molybdenum and uranium), covering all claims.

REFERENCE: Assessment Report 6370.

1977

(82E/10W)

ML (Fig. E-1, NTS 82, No. 41)

LOCATION: Lat. 49° 32' Long. 118° 55' (82E/10W)
GREENWOOD M.D. Eight kilometres west-southwest of Christian Valley, on Maloney Creek, from Collier Lake to Martin Lake.

CLAIM: ML 1 (20 units).

OWNER: RICHARD GEORGE TURNER, Box 62, OK Mission, Kelowna V0H 1S0.

METALS: Copper, molybdenum.

DESCRIPTION: The property is underlain by rocks of the Coryell intrusions, the Nelson intrusions, and the Anarchist Group. Malachite, azurite, chalcopyrite, bornite, and molybdenite occur at some old workings either in a skarn zone or in quartz veinlets.

WORK DONE: 1976 and 1977 — prospecting; linecutting, 22.5 kilometres; and radiometric survey, 22.5 kilometres, covering ML 1.

REFERENCES: Mineral Inventory 82E/NE-48; Assessment Report 6310.

DELL (Fig. E-1, NTS 82, No. 38)

LOCATION: Lat. 49° 34' Long. 118° 55' (82E/10W)
GREENWOOD M.D. Nineteen kilometres northeast of Beavertell, from north of Joan Lake south to Dear Creek.

CLAIMS: STATE 100 (20 units), STATE 200 (20 units), STATE 300 (15 units), STATE 400 (16 units), CL 1 (20 units), DELL 100 (16 units), DELL 200 (9 units), DELL 300 (20 units), DELL 400 (20 units), DELL 500 (4 units), DELL 600 (20 units), DELL 700 (20 units), DELL 800 (20 units), TED 1, TOM 1, CAM 1, CUP 1 to 15 (1 unit each), DAN 1 (14 units), DAN 2 (8 units), DAN 3 (12 units), DAN 4 (6 units), DAN 5 (4 units).

OWNERS: Peregrine Petroleum Ltd. and Kerr Addison Mines Limited.

OPERATOR: NORANDA EXPLORATION COMPANY, LIMITED, Box 2680, Vancouver V6B 3T5.

DESCRIPTION: The area is underlain by sedimentary and metamorphic rocks of the Anarchist Group, Valhalla and Coryell intrusive rocks, intermediate volcanic flow rocks of the Phoenix Group, and semi-consolidated sedimentary rocks and basalts of the Plateau Basalt Formation.

WORK DONE: 1976 and 1977 — surface diamond drilling, three BQ holes totalling 54.8 metres on Dell 200 (unit 9); radiometric probing; surface geological mapping, 1:25 000, and geochemical survey, 42 silt samples and 42 water samples, covering Dell 100-800 and State 100-400; linecutting, 43.3 kilometres, and induced polarization survey, 62 kilometres, covering Dell 100, 200, 800 and State 100, 200; airborne spectrometer and electromagnetic survey, 325 kilometres covering 156 square kilometres, covering Dell 100-800, State 100-400, and CL 1.

REFERENCE: Assessment Report 6319.

1977

(82E/10W)

AT (Fig. E-1, NTS 82, No. 16)

LOCATION: Lat. 49° 35' Long. 118° 49' (82E/10W)
GREENWOOD M.D. Five kilometres north-northwest of the community of Christian Valley, between Kettle River and State Lake.

CLAIM: AT (20 units).

OWNERS: Robert A. Dickinson, R. Bechtel, and Percy Cox.

OPERATOR: WESPAS RESOURCES LTD., 200 Granville Street, Vancouver.

DESCRIPTION: The portion of the AT claim investigated is underlain entirely by fine-grained, massive basalt (Cup Lake volcanic rocks).

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 80 soil samples; and ground scintillometer survey, 3.65 kilometres, covering AT.

REFERENCE: Assessment Report 6530.

DONEN (Fig. E-1, NTS 82, No. 40)

LOCATION: Lat. 49° 36' Long. 118° 55' (82E/10W)
GREENWOOD M.D. Ten kilometres northwest of the settlement of Christian Valley, on the west side of Lassie Lake.

CLAIMS: DONEN 1 to 40, 43 to 46, 61 to 64, 93, 95, 99 to 104, 108, 110, 112, 281 to 320.

OWNER: Nissho-Iwai Canada Ltd.

OPERATOR: POWER REACTOR & NUCLEAR FUEL DEVELOPMENT CORPORATION, 1426, 510 West Hastings Street, Vancouver V6B 1L8.

METAL: Uranium.

DESCRIPTION: The geology consists of four rock formations, the Monashee Group as the most underlying formation, the Valhalla and Nelson plutonic rocks, the Kettle River Formation, and the plateau basalts of Late Tertiary age. The latter is the only uraniferous unit on the property. Radioactivity was detected in the basal sandstone and conglomerate of the plateau basalts.

WORK DONE: Location line survey, covering all claims.

REFERENCES: Mineral Inventory 82E/NE-47; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 29.

BEVERLY (BLIZZARD) (Fig. E-1, NTS 82, No. 42)

LOCATION: Lat. 49° 36' Long. 118° 55' (82E/10W)
GREENWOOD M.D. Eleven kilometres northwest of Christian Valley, adjoining the north ends of Joan Lake and Lassie Lake.

CLAIMS: BEVERLY (18 units), BLIZZARD (20 units), PATRICIA (10 units), MORAIG (15 units).

OWNER: NORCEN ENERGY RESOURCES LIMITED, 715 Fifth Avenue SW., Calgary, Alta. T2P 2X7.

METAL: Uranium.

1977

(82E/10W)

DESCRIPTION: Uranium mineralization (autunite and saleeite) occurs in loosely consolidated silt, sand, and gravels of Tertiary (Miocene ?) age.

WORK DONE: Surface geological mapping, 1:4800, covering all claims; surface diamond drilling, 33 HQ holes totalling 2 040.4 metres, on Beverly; rotary drilling, 19 holes totalling 521.64 metres, on Beverly, Moraig, Patricia, and Blizzard.

REFERENCES: Mineral Inventory 82E/NE-46; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 29, E 30; Assessment Reports 6167, 6168, 6640.

BEAVER (Fig. E-1, NTS 82, No. 43)

LOCATION: Lat. 49° 38' Long. 118° 52' (82E/10W)
GREENWOOD M.D. Eleven kilometres north-northwest of Christian Valley, immediately northwest of Sandrift Lake.

CLAIMS: BEAVER 1 (20 units), BEAVER 2 (18 units).

OWNER: DARVA RESOURCES AND DEVELOPMENT LTD., 726 Richards Street, Vancouver.

DESCRIPTION: Geological traverses failed to locate favourable lithologies which host uranium in the region. Three main lithologies were determined: biotite-quartz monzonite outcrops on the western half of the property (Valhalla ?) and hornblende granodiorite (Nelson ?) on the east and south. A swarm of feldspar hornblende porphyry dykes cuts the above.

WORK DONE: Surface geological mapping, covering 80 per cent of the claims; overburden drilling, one hole totalling 6.6 metres on Beaver 1 and eight holes totalling 59.8 metres on Beaver 2; linecutting, 4 kilometres on Beaver 1 and 30 kilometres on Beaver 2; scintillometer survey, 4 kilometres on Beaver 1 and 26 kilometres on Beaver 2; road construction, 1 kilometre on Beaver 2.

HONEST (Fig. E-1, NTS 82, No. 44)

LOCATION: Lat. 49° 34' Long. 119° 00' (82E/10W, 11E)
GREENWOOD M.D. Fourteen kilometres west of Christian Valley, at the head of China Creek.

CLAIMS: HONEST 1 (4 units), HONEST 2 (9 units).

OWNER: DU PONT OF CANADA EXPLORATION LIMITED, 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: Miocene plateau basalt unconformably overlies Cretaceous quartz monzonite and biotite granite. No mineralization was observed.

WORK DONE: Surface geological mapping, 1:2500, covering Honest 1.

1977

(82E/10W, 11E)

TRAP (Fig. E-1, NTS 82, No. 37)

LOCATION: Lat. 49° 40' Long. 119° 00' (82E/10W, 11E)
GREENWOOD M.D. Forty kilometres southeast of Kelowna, north-west of Trapping Creek.

CLAIMS: TRAP 1 (20 units), TRAP 2 (20 units), TRAP 3 (20 units), TRAP 4 (20 units), TRAP 5 (20 units), TRAP 6 (9 units), TRAP 7 (9 units).

OWNER: LACANA MINING CORPORATION, 312, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: A small Miocene basalt capping similar to those found at Hydraulic Lake and at Lassie Lake overlies Valhalla intrusive rocks.

WORK DONE: Surface geological mapping, covering all claims; linecutting, 75 kilometres, and magnetometer survey, 75 kilometres, covering Trap 1-3, 6, 7; 30 water samples, from various claims; percussion drilling, six holes totalling 350 metres on Trap 2, 4, 6.

JUNE (Fig. E-1, NTS 82, No. 45)

LOCATION: Lat. 49° 41' Long. 119° 00' (82E/10W, 11E)
GREENWOOD M.D. Twenty kilometres northwest of Christian Valley and 8 kilometres southwest of Big White Mountain.

CLAIMS: JUNE 1 (6 units), JUNE 2 (16 units).

OWNER: DU PONT OF CANADA EXPLORATION LIMITED, 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: Miocene plateau basalt unconformably overlies Cretaceous quartz monzonite. No mineralization was observed.

WORK DONE: Surface geological mapping, 1:2500, covering June 1 and 2.

CARMI MOLYBDENUM (CA) (Fig. E-1, NTS 82, No. 48)

LOCATION: Lat. 49° 31' Long. 119° 10' (82E/11E, 6E)
GREENWOOD M.D. Nine kilometres north-northwest of Beaverdell, at and south of the junction of Saunier and Wilkinson Creeks.

CLAIMS: CAPCO 56 to 59, 61 to 63, 68 to 71, 78, 79, IVY 20 to 35, MY 8, 29, 30, MARY O 8, 28 to 33, DOE 1 to 4, MARC 1 to 24, CA 1 (12 units), CA 2 (16 units), CA 3 (20 units), CA 4 (20 units), CA 5 (20 units).

OWNER: Vestor Explorations Ltd.

OPERATOR: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops.

METALS: Molybdenum, silver, gold.

DESCRIPTION: Molybdenite occurs in brecciated Nelson gneissic granodiorite, both in the breccia fragments and the quartz matrix filling. Minor pyrite and fluorite occur with the molybdenite. There are significant silver and gold values with the mineralization. A total of 71 percussion drill holes and 25 diamond drill holes has been completed since Vestor optioned the property in January 1974.

1977

(82E/11E, 14E)

WORK DONE: Surface diamond drilling, six BQ holes totalling 1 470 metres, on CA 2 and CA 3.

REFERENCES: Mineral Inventory 82E/NW-36; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 31; Assessment Reports 5860, 6023, 6276.

GOAT (Fig. E-1, NTS 82, No. 49)

LOCATION: Lat. 49° 45' Long. 119° 07' (82E/11E, 14E)

GREENWOOD M.D. The property is centred 25 kilometres east-southeast of Kelowna, extending from Joe Rich Creek southward to Cookson Creek, thence northwestward to Hydraulic Lake.

CLAIMS: GOAT 1 (20 units), GOAT 2 (20 units), GOAT 3 (20 units), GOAT 4 (16 units), GOAT 5 (16 units), GOAT 6 (16 units), GOAT 7 (15 units), GOAT 8 (15 units), TAB 1 (15 units), TAB 2 (20 units), FREEDOM 1 (16 units), FREEDOM 2 (12 units), FREEDOM 3 (16 units), COOKSON 1 (8 units), COOKSON 2 (16 units), COOKSON 3 (16 units), HAYNES 1 (16 units), HAYNES 2 (20 units), HAYNES 3 (16 units), HAYNES 4 (20 units), HAYNES 5 (8 units), HAYNES 6 (20 units), HAYNES 7 (3 units), TESS (15 units).

OWNER: Peregrine Petroleum Ltd.

OPERATOR: NORANDA EXPLORATION COMPANY, LIMITED, 1050 Davie Street, Vancouver.

DESCRIPTION: The property was explored for supergene uranium concentrations in mid-Tertiary stream deposits in the vicinity of the granitic basement.

WORK DONE: Radiometric probing and diamond drilling, 10 holes totalling 571.5 metres on Tab 1, Goat 2, 3, 8, Haynes 1, 5, 6, Freedom 3, and Tess.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 32, E 33; Assessment Reports 6116, 6211, 6243.

FAULDER (Fig. E-1, NTS 82, No. 50)

LOCATION: Lat. 49° 38' Long. 119° 46' (82E/12)

OSOYOOS M.D. On the west side of Okanagan Lake, immediately north of Summerland.

CLAIMS: FAULDER 1 (20 units), FAULDER 2 (15 units), FAULDER 3 (18 units), FAULDER 4 (18 units), FAULDER 5 (18 units), FAULDER 6 (18 units), FAULDER 7 (18 units), FAULDER 8 (18 units), FAULDER 9 (18 units), FAULDER 10 (8 units).

OWNER: British Newfoundland Exploration Limited.

OPERATOR: D. G. LEIGHTON & ASSOCIATES LTD., 3152 West 10th Avenue, Vancouver V6K 2K9.

METAL: Radioactivity.

DESCRIPTION: The claims are underlain mainly by a dull intrusive varying from diorite to granodiorite. The eastern portion of the claim group is underlain by

1977

(82E/12W)

a sequence of Tertiary trachyte flows and breccias with derived sediments. This is a reasonably radioactive assemblage, but due largely to thorium content.

WORK DONE: Geochemical survey, soil, water, and silt samples, covering Faulder 8 and 9.

REFERENCE: Assessment Report 6575.

JASS (Fig. E-1, NTS 82, No. 51)

LOCATION: Lat. 49° 44' Long. 119° 56' (82E/12W)
OSOYOOS M.D. Twenty-two kilometres northwest of Summerland, extending north and west from Munro Lake.

CLAIMS: MUN 4 to 21, 28 to 30.

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 801, 161 Eglinton Avenue East, Toronto, Ontario M4P 1J5.

METALS: Silver, molybdenum, zinc, copper.

DESCRIPTION: Hydrothermally altered granodiorite hosts flat-lying, altered veins carrying zinc-silver-copper and molybdenum. Quartz-pyrite-molybdenite veins also occur.

WORK DONE: Road construction, 152 metres, and surface diamond drilling, one BQ hole totalling 171 metres, on Mun 29; surface geological mapping, 1:4800, and geochemical survey, 1 240 soil samples analysed for silver, covering all claims; 86 samples assayed for copper, zinc, molybdenum, and silver.

REFERENCES: Mineral Inventory 82E/NW-21; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, p. 61; Assessment Reports 5318, 6399, 6558.

MAURICE (Fig. E-1, NTS 82, No. 56)

LOCATION: Lat. 49° 55' Long. 119° 49' (82E/13W)
VERNON M.D. Twenty-three kilometres west of Kelowna, extending northwest from Jackpine Lake.

CLAIMS: MAURICE 1 to 4.

OWNER: M. R. CHAPLIN, Box 737, Westbank.

METALS: Molybdenum, copper, gold.

DESCRIPTION: Quartz veins contain irregularly distributed coarse rosettes and masses of molybdenite.

WORK DONE: Trenching, covering Maurice 1-4; stripping, on Maurice 4.

REFERENCE: Mineral Inventory 82E/NW-54.

PLUTO (Fig. E-1, NTS 82, No. 60)

LOCATION: Lat. 49° 47' Long. 119° 18' (82E/14W)
VERNON M.D. Fifteen kilometres east-southeast of Kelowna on Hydraulic Creek.

CLAIM: PLUTO 1 (20 units).

1977 (82E/14W)

OWNER: CONSOLIDATED SILVER BUTTE MINES LTD., 705, 850 West Hastings Street, Vancouver.

DESCRIPTION: The claim is underlain by rocks of the Monashee Group, considered to be Precambrian in age or later. Overburden and trees mask the underlying rocks over much of the area.

WORK DONE: 1976 — airborne radiometric and magnetic survey, 13 kilometres, covering Pluto 1.

REFERENCE: Assessment Report 6217.

KLO (Fig. E-1, NTS 82, No. 59)

LOCATION: Lat. 49° 47' Long. 119° 19' (82E/14W)
OSOYOOS M.D. Eighteen kilometres southeast of Kelowna, on the eastern side of Klo and Pooley Creeks.

CLAIMS: KLO 1 to 5, 7, 9, POOL 1 to 3, BETA 1 and 2 (totalling 189 units).

OWNERS: Larry Stephanishin, Gordon Siemens, and Ashley D. Wilmot.

OPERATOR: KLONDEX MINES LTD., 705, 850 West Hastings Street, Vancouver.

DESCRIPTION: Plateau basalt overlies the Kettle River Formation, Valhalla and Nelson intrusions, and the Monashee Group of gneisses.

WORK DONE: 1976 and 1977 — prospecting; airborne scintillometer survey, 167 kilometres; and airborne magnetometer survey, 55 kilometres, covering all claims.

REFERENCE: Assessment report 6261.

BILL (Fig. E-1, NTS 82, No. 58)

LOCATION: Lat. 49° 51' Long. 119° 20' (82E/14W)
VERNON M.D. Approximately 12 kilometres east-southeast of Kelowna, on the east side of the junction of Mission and Hydraulic Creeks.

CLAIMS: BILL 1 to 12.

OWNER: HERMAN H. A. WESSEL, 13005 — 111th Avenue, Surrey.

DESCRIPTION: The area covered by the claims is thought to be underlain by Cenozoic basalts overlying granitic rocks.

WORK DONE: 1976 — induced polarization survey, 2.6 kilometres, and radiometric survey, 2.6 kilometres, covering Bill 3 and 4.

REFERENCE: Assessment Report 6193.

KNIGHT (Fig. E-1, NTS 82, No. 61)

LOCATION: Lat. 49° 55' Long. 119° 16' (82E/14W)
VERNON M.D. Fourteen kilometres east-northeast of Kelowna, on Sidede and Emery Creeks and southward.

CLAIMS: KNIGHT 3 (12 units), KNIGHT 4 (12 units), KNIGHT 5 (15 units).

OWNER: KERR ADDISON MINES LIMITED, 703, 1112 West Pender Street, Vancouver V7T 2T3.

1977

(82E/14E)

DESCRIPTION: Miocene basalts are underlain by Eocene sedimentary rocks which in turn are underlain by Monashee gneisses.

WORK DONE: Linecutting, 25 kilometres, and induced polarization survey, 21 kilometres, covering Knight 1 and 2; surface diamond drilling, six BQ holes totalling 712.3 metres, on Knight 1.

FISSION (Fig. E-1, NTS 82, No. 119)

LOCATION: Lat. 50° 03' Long. 119° 07' (82L/3E; 82E/14E)
Report on this property in 82L/3E.

BASALT (Fig. E-1, NTS 82, No. 77)

LOCATION: Lat. 49° 47.5' Long. 119° 02' (82E/14E)
GREENWOOD M.D. On the north side of West Kettle River, 2 kilometres northeast of the mouth of Campin Creek.

CLAIM: BASALT (6 units).

OWNER: LACANA MINING CORPORATION, 312, 409 Granville Street, Vancouver.

DESCRIPTION: Miocene basalt overlies Monashee gneisses and dykes related to the Valhalla intrusive rocks.

WORK DONE: Linecutting, 2.5 kilometres; scintillometer prospecting, 5 kilometres; hand trenching, 4 metres deep, 4 metres long, and 1 metre wide; percussion drilling, four holes totalling 165 metres.

REFERENCE: Assessment Report 6616.

KETTLE (Fig. E-1, NTS 82, No. 57)

LOCATION: Lat. 49° 48' Long. 119° 12' (82E/14E)
VERNON and OSOYOOS M.D. Twenty-one kilometres east-southeast of Kelowna, covering Browne and Fish Lakes and the headwaters of Grouse Creek.

CLAIMS: KETTLE 1 to 23, 101 to 110 and URANUS 1, 2, 4 (totalling approximately 165 units), TL 1 to 14.

OWNER: Tyee Lake Resources Ltd.

OPERATOR: NORANDA EXPLORATION COMPANY, LIMITED, 1050 Davie Street, Vancouver.

METAL: Uranium.

DESCRIPTION: Supergene uranium mineralization with marcasite has been precipitated in a reducing environment developed in mid-Tertiary stream sediments by hydrogen sulphide generated by decaying vegetation. The uranium source is Valhalla granite and pegmatite in contact with Monashee gneiss and quartzite.

1977

(82E/14E)

WORK DONE: Radiometric probing; surface diamond drilling, 24 BQ holes totalling 1 516 metres and 15 HQ holes totalling 907 metres; and rotary drilling, 41 N holes totalling 2 375 metres and 34 H holes totalling 2 147 metres, covering Kettle 6, 7, 9, 12, 14, 22 and Uranus 4; linecutting, 94.5 kilometres and induced polarization and resistivity survey, covering Kettle 7-9, 11, 12, 14, 19, 21, 22, 23, 103-105.

REFERENCES: Mineral Inventory 82E/NW-53; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 33; Assessment Reports 6011, 6288, 6390, 6418.

PB (Fig. E-1, NTS 82, No. 46)

LOCATION: The PB claims are divided into two groups:
PB 180 to 198, 208, 209, 212 to 214, 250 to 259—
Lat. 49° 49' Long. 119° 12' (82E/14E)
OSOYOOS and VERNON M.D. Twenty-one kilometres east-southeast of Kelowna, covering Browne and Fish Lakes and the headwaters of Grouse Creek.
PB 81 to 140—
Lat. 49° 45' Long. 119° 08' (82E/11E, 14E)
GREENWOOD M.D. Twenty-seven kilometres southeast of Kelowna, on Kallis Creek, east of Hydraulic and Haynes Lakes.

CLAIMS: PB 81 to 140, 180 to 198, 208, 209, 212 to 214, 250 to 259.

OWNER: Nissho-Iwai Canada Ltd.

OPERATOR: POWER REACTOR & NUCLEAR FUEL DEVELOPMENT CORPORATION, 1426, 510 West Hastings Street, Vancouver V7B 1L8.

METAL: Uranium.

DESCRIPTION: The geology comprises four rock units: the Monashee Group, the lowermost, Valhalla and Nelson plutonic rocks, the Kettle River Formation, and the plateau basalts. The plateau basalt is the only uraniferous unit on the property. Radioactivity was detected in the basal sandstone and conglomerate of the plateau basalt.

WORK DONE: Location line survey, covering all claims.

REFERENCES: Mineral Inventory 82E/NW-50, 51; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 30; Assessment Reports 5972, 5982.

AUTUMN (Fig. E-1, NTS 82, No. 63)

LOCATION: Lat. 49° 51' Long. 118° 57' (82E/15W)
VERNON M.D. Thirty-eight kilometres east of Kelowna, on the West Kettle River, 3 kilometres northwest of Derickson Lake.

CLAIM: AUTUMN (14 units).

OWNER: DU PONT OF CANADA EXPLORATION LIMITED, 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: Miocene plateau basalt unconformably overlies Monashee gneiss. No mineralization was observed.

WORK DONE: Prospecting, covering Autumn (14 units).

1977

(82E/15W)

DM (Fig. E-1, NTS 82, No. 62)

LOCATION: Lat. 49° 57' Long. 118° 54' (82E/15W)
VERNON M.D. Approximately 42 kilometres east-northeast of Kelowna, covering Graystoke Lake, Loch Long, Loch Lost, and the headwaters of Pearson Creek.

CLAIMS: DM 1 (20 units), DM 2 (16 units), DM 3 (20 units), DM 4 (20 units), DM 5 (20 units), DM 6 (12 units), DM 7 (6 units), DM 8 (12 units), DM 9 (20 units), DM 10 (20 units).

OWNER: UNION CARBIDE CANADA LIMITED, 404, 1112 West Pender Street, Vancouver.

DESCRIPTION: Detailed mapping on the DM claim group indicates a continuous sequence of Miocene plateau basalts ranging from 300 metres maximum thickness in the southwest to 30 to 150 metres thickness in the northeast. The Miocene basalts unconformably overlie granitic gneisses of the Monashee Group. No uranium mineralization was intersected in any of the drill holes.

WORK DONE: 1976 — track etch survey, 161 cups; geobotanical survey, 660 samples analysed; and linecutting, 49 kilometres, covering DM 1-4, 8, 10; 1976 and 1977 — surface geological mapping, 1:10 000, covering all claims; 1977 — percussion drilling, 11 holes totalling 908.3 metres.

REFERENCE: Assessment Report 6389.

BASIN (Fig. E-1, NTS 82, No. 64)

LOCATION: Lat. 49° 57' Long. 118° 57' (82E/15W)
VERNON M.D. Approximately 38 kilometres east-northeast of Kelowna, on the north side of Pearson Creek, 5 kilometres southwest of Loch Long.

CLAIM: BASIN (20 units).

OWNER: K. L. Daughtry.

OPERATOR: CANEX PLACER LIMITED, 800, 1030 West Georgia Street, Vancouver.

DESCRIPTION: Volcanic flows and clastic units overlie Monashee gneiss. Locally the interface between the volcanic rocks and gneiss contains clay which accumulated in a depression in the gneiss. The interface sediments are radiometrically anomalous in some locations but no assay values show significant uranium.

WORK DONE: Radiometric probing and diamond drilling, three NQ holes totalling 575.3 metres and two NQ holes totalling 395.9 metres.

REFERENCES: Assessment Reports 3745 (PB), 6372.

JADO 1 (Fig. E-1, NTS 82, No. 11)

LOCATION: Lat. 49° 46' Long. 118° 43' (82E/15E)
GREENWOOD M.D. On Kettle River at its junction with Split Creek.

CLAIM: JADO 1 (20 units).

1977

(82E/15E)

OWNERS: Robert A. Dickinson, R. Bechtel, and Percy Cox.
OPERATOR: WESPAS RESOURCES LTD., 2050, 200 Granville Street, Vancouver.
METAL: Radioactive occurrence.
DESCRIPTION: The main rock type observed was a medium-grained granite (Valhalla?).
WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 41 soil samples; and ground scintillometer survey, 1.55 kilometres, covering Jado 1.
REFERENCE: Assessment Report 6530.

BS (Fig. E-1, NTS 82, No. 118)

LOCATION: Lat. 49° 55' Long. 118° 42' (82E/15E)
VERNON M.D. Thirteen kilometres west-northwest of Lightning Peak, extending south from Stove Creek along the west side of the Kettle River.
CLAIMS: BAS 1 (10 units) (restaking of former BS claims), BS 4.
OWNER: ROBERT W. YORKE-HARDY, General Delivery, Revelstoke.
METALS: Silver, gold, lead, zinc, (tungsten, copper).
DESCRIPTION: Galena, sphalerite, and pyrite with minor chalcopyrite and scheelite occur in quartz veins adjacent to a porphyry granite segments of the Nelson batholith and in quartz stringers forming a large stockwork or breccia zone.
WORK DONE: Geochemical survey, 225 soil samples analysed for lead and silver, and electromagnetic survey, 6.4 kilometres, covering BAS 1.
REFERENCES: Mineral Inventory 82E/NE-44; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 33.

TP (Fig. E-1, NTS 82, No. 65)

LOCATION: Lat. 49° 55' Long. 118° 28' (82E/16W)
VERNON M.D. Twenty-nine kilometres west-northwest of Fauquier, on Teepee Creek, midway between Lightning Peak and Galloping Mountain.
CLAIMS: TP 1 (20 units), TP 3 (20 units), TP 4 (20 units), TP 6 (12 units).
OWNER: EXPLORAM MINERALS LTD., 1004, 510 West Hastings Street, Vancouver V6B 1L8.
METAL: Molybdenum.
DESCRIPTION: The area is underlain by the Nelson and Valhalla intrusive rocks with inclusions or pendants of Permian Anarchist volcanic rocks. Mineralization consists of molybdenite associated with pyrite, occurring as fine disseminations and fracture fillings in altered (quartz-sericite) pink quartz monzonite.

1977

(82F/3E)

WORK DONE: Surface geological mapping, 1:9600; geochemical survey, 300 soil samples analysed for copper and molybdenum; induced polarization survey, 23 kilometres; and magnetometer survey, 28 kilometres, covering all claims; surface diamond drilling, five BQ holes totalling 395 metres, on TP 1 and 6.

REFERENCES: Mineral Inventory 82E/NE-49; Assessment Report 6430.

NELSON 82F

VICTORY (Fig. E-1, NTS 82, No. 66)

LOCATION: Lat. 49° 08' Long. 117° 10' (82F/3E)

NELSON M.D. About 10 kilometres southeast of Salmo, between Sheep and Lost Creeks.

CLAIMS: VICTORY (Lot 15842), VICTORY FR. (Lot 15843), UDIVILLE 1 (Lot 15853), LAST CHANCE, LUCKY JIM FR., LUCKY JIM, ED NO. 1 FR., ED NO. 2, RMM NO. 4, ED NO. 2 FR., UDIVILLE, UDIVILLE NO. 2 (Lots 15844 to 15852), RMM NO. 2 (Lot 15854), RMM NO. 3 (Lot 15855), BIG DULUTH, ALICE, HATTIE B (Lots 5626 to 5628), AMCO NO. 8 (Lot 15402), AMCO NO. 10 (Lot 15404), AMCO NO. 13 (Lot 15640), AMCO NO. 16 FR. (Lot 15644), AMCO NO. 23 FR. (Lot 15646), GOLD CROWN (Lot 10014), GOLD CROWN FR. (Lot 10047), AMCO 42 (Lot 15655), AMCO 1, AMCO 2 FR., AMCO 3 FR., AMCO 4, AMCO 5, AMCO 6 (Lots 15395 to 15400), plus WO 1 (12 units), WO 2 (16 units).

OWNERS: J. W. MacLeod and Mentor Exploration and Development Ltd.

OPERATOR: MENTOR EXPLORATION AND DEVELOPMENT LTD., 1404, 44 King Street West, Toronto, Ontario.

METALS: Tungsten, molybdenum, lead, zinc.

DESCRIPTION: Garnet-epidote skarn deposits occur where limestone horizons of the Active Formation and the Reeves member of the Laib Formation are in contact with Nelson granite. The principal mineral occurrence on the property is the Victory tungsten deposit which has been outlined by 58 drill holes, with an estimated 80 000 tonnes of material carrying approximately 0.5 per cent WO₃. Just north of the tungsten occurrence, molybdenite occurs in skarn at the limestone-granite contact and in the granite. This showing has been tested by 10 holes, giving erratic results. Lead and zinc are known to occur in dolomitized zones in the limestone on the Udiville claims.

WORK DONE: Surface geological mapping, covering all claims; geochemical survey, 1 800 soil samples; magnetometer survey, 22 kilometres; and scintillometer survey, 14.4 kilometres, covering Victory, Udiville, Ed, Last Chance, and WO.

REFERENCES: Mineral Inventory 82F/SW-58, 59, 246; Assessment Reports 14, 82, 83 (Amco), 6421; *Minister of Mines, B.C.*, Ann. Rept., 1958, p. 64.

1977

(82F/3E)

DOUBLE B (Fig. E-1, NTS 82, No. 69)

LOCATION: Lat. 49° 09' Long. 117° 10' (82F/3E)
NELSON M.D. Eight kilometres east-southeast of Salmo, on Hedgehog Creek, immediately north of the junction with Sheep Creek.

CLAIMS: DOUBLE B, DOUBLE B 2, 3, 5, 6, DOUBLE B Fraction plus Mineral Lease M-6.

OWNER: F. W. CARTWRIGHT, 608A West Gore Street, Nelson.

METALS: Lead, zinc, silver, tungsten.

DESCRIPTION: Replacement deposits of sphalerite, galena, and silver minerals occur in dolomite. Scheelite occurs in skarn and zones of alteration along contacts of granite and dolomite.

WORK DONE: Trenching, 60 square metres; stripping, 75 square metres; and test pitting, 20 square metres, on Sitting Bull.

REFERENCES: Mineral Inventory 82F/SW-263; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 33, E 34.

MOUNTAINEER (HEATHER) (Fig. E-1, NTS 82, No. 68)

LOCATION: Lat. 49° 10' Long. 117° 03' (82F/3E)
NELSON M.D. Seventeen kilometres east of Salmo, between Three Sisters Lake and Panther Lake.

CLAIM: POP 1 (4 units).

OWNER: DENNIS DAVIS, Box 53, Canyon V0B 1C0.

METALS: Gold, (silver).

DESCRIPTION: The Three Sisters Formation consists mainly of coarse, grey and white grit, with some bands of conglomerate and schist. Gold values occur in shears near the margins of altered dykes and in veins containing oxidized pyrite.

WORK DONE: Trail construction, 1.5 kilometres; stripping, 1.5 square metres; cleaning out adit entrance; draining water and cleaning debris from adit, on Pop 1.

REFERENCES: Mineral Inventory 82F/SW-260; *Minister of Mines, B.C.*, Ann. Rept., 1932, p. A194; *Geol. Surv., Canada*, Mem 172, pp. 80, 81.

M (Fig. E-1, NTS 82, No. 70)

LOCATION: Lat. 49° 14' Long. 117° 08' (82F/3E)
NELSON M.D. Twelve kilometres east-northeast of Salmo, on Howard and Active Creeks.

CLAIMS: M 1 to 7, 17.

OWNER: MCP Resources Corporation (formerly McLeod Copper Ltd.).

OPERATOR: JOHN H. KRUIZICK, 2000 Arbury Avenue, Coquitlam.

METALS: Zinc, lead.

DESCRIPTION: The claim area is underlain by Active Formation argillite, slate, and quartzite. Sulphide mineralization, up to 2 metres in width, and with a

strike length of at least 600 metres, consists of fine-grained massive pyrrhotite, pyrite, sphalerite, and galena in a quartz gangue and occurs in an argillaceous, sheared rock.

WORK DONE: Surface geological mapping, 1:4800, covering all claims.

REFERENCES: Mineral Inventory 82F/SW-240; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 30; Assessment Reports 5321, 6474.

JACKPOT (Fig. E-1, NTS 82, No. 67)

LOCATION: Lat. 49° 14.5' Long. 117° 08' (82F/3E)
NELSON M.D. Ten kilometres northeast of Salmo, extending west from Spot Creek, a tributary of Active Creek.

CLAIMS: JACKPOT, TWO SPOT, INK SPOT, ACE, JAMESONITE, CANADIAN BOY, CANADIAN GIRL, SPOT Fraction, CHIEF, JAY, CHIEF Fraction, JAY Fraction, JAMESONITE Fraction, ELM No. 5 Fraction.

OWNER: New Jersey Zinc Exploration Company (Canada) Ltd.

OPERATOR: COMINCO LTD., 200 Granville Square, Vancouver.

METALS: Zinc, lead.

WORK DONE: 1976 — underground diamond drilling, nine EX holes totalling 692.5 metres on Two Spot and Canadian Girl.

REFERENCES: Mineral Inventory 82F/SW-12 to 15; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 34; Assessment Report 6250.

LOMOND (Fig. E-1, NTS 82, No. 71)

LOCATION: Lat. 49° 00.5' Long. 117° 19' (82F/3W)
NELSON M.D. Twenty-eight kilometres east-southeast of Trail and 1 kilometre west of the border crossing point of Nelway.

CLAIMS: HASTINGS, GLASGOW, SALMO, PIONEER, LAKE VIEW, MEDOL, RENFREW, GOLDEN ROD, INTERNATIONAL, GOLDEN FLEECE, PIONEER NO. 1 FR., RENFREW NO. 1, INTERNATIONAL NO. 1, GLASGOW NO. 1 FR., SALMO NO. 1 FR. (Lots 6590 to 6612).

OWNER: J. W. MacLeod.

OPERATOR: MERV ENGINEERING LTD., 335, 885 Dunsmuir Street, Vancouver.

METALS: Iron, lead, zinc.

DESCRIPTION: Oxidized pyrite deposits replace Cambrian Nelway Formation limestone and dolomite. Minor lead and zinc are present.

WORK DONE: Surface geological mapping, 1:2500, and geochemical survey, 205 soil samples, covering Lots 6600, 6601, 6609, 6612, and 6598.

REFERENCES: Mineral Inventory 82F/SW-18; *Minister of Mines, B.C.*, Ann. Rept., 1948, p. 136; *B.C. Ministry of Mines & Pet. Res.*, Bull. 40, pp. 128-130; Assessment Report 6416.

1977

(82F/4E)

U308 (Fig. E-1, NTS 82, No. 73)

LOCATION: Lat. 49° 14' Long. 117° 41' (82F/4E)
TRAIL CREEK M.D. Four kilometres north of Genelle, on the west side of the Columbia River, 1 kilometre northeast of China Creek.

CLAIM: U308 (4 units).

OPERATOR: PETER LEONTOWICZ, RR 1, New Denver.

METAL: Uranium.

WORK DONE: Fifty holes, each 0.6 metre deep, were drilled with a Cobra gas drill. The cuttings were analysed.

REFERENCES: Mineral Inventory 82F/SW-273; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 35; Assessment Report 6006.

LINDA (Fig. E-1, NTS 82, No. 74)

LOCATION: Lat. 49° 09' Long. 117° 56' (82F/4W)
TRAIL CREEK M.D. Twelve kilometres northwest of Rossland, midway between Old Glory Mountain and Lamb Creek.

CLAIMS: LINDA (20 units), GAIL (6 units).

OWNER: F. L. HASTINGS (under agreement with Sharp Exploration Syndicate), 134R - 11th Avenue South, Cranbrook V1C 2P2.

DESCRIPTION: Coryell syenites with numerous pegmatitic occurrences comprise the sole rock type. The drainage from these rocks has produced high uranium concentrations in stream sediments and stream waters (>1000 ppm and 75 ppb respectively). Approximately 5 to 10 per cent outcrop is exposed in the drainage area of the geochemical anomaly. A scintillometer survey conducted over this area produced no significantly anomalous readings.

WORK DONE: Prospecting and linecutting, covering both claims; geological mapping (detailed mapping of outcrop in target area, approximately 20 kilometres); geochemical survey, 65 stream sediment and 10 rock and water samples analysed for uranium, covering both claims; scintillometer survey, 5.4 kilometres (along claim lines and drainages), covering both claims, and 4.9 kilometres (over grid), covering Linda.

AC (Fig. E-1, NTS 82, No. 75)

LOCATION: Lat. 49° 12' Long. 117° 51' (82F/4W)
TRAIL CREEK M.D. Fourteen kilometres north of Rossland, on the north branch of Murphy Creek.

CLAIM: AC (20 units).

OWNER: CHEROKEE DEVELOPMENTS LTD., 200, 900 West Pender Street, Vancouver.

DESCRIPTION: The claims are underlain by Proterozoic argillite, argillaceous quartzite, greywacke, minor flows, and pyroclastic rocks.

WORK DONE: Geochemical survey, 300 soil samples analysed for uranium and zinc, and radon gas scintillometer survey, 31 kilometres, covering AC.

REFERENCE: Assessment Report 6466.

DC (Fig. E-1, NTS 82, No. 215)

LOCATION: Lat. $49^{\circ} 12'$ Long. $117^{\circ} 52'$ (82F/4W)
 TRAIL CREEK M.D. Eighteen kilometres northwest of Trail, on the south side of Mount Crowe, at the headwaters of Murphy Creek.

CLAIM: DC (20 units).

OWNER: Emanuel Amendolagine.

OPERATOR: KENDAL MINING AND EXPLORATION COMPANY LIMITED, c/o Mike DuMoulin, 202, 900 West Pender Street, Vancouver.

DESCRIPTION: The claim area is underlain by granitoid gneiss and pegmatoids believed to be of Paleozoic or Proterozoic age which are intruded in part by plutonic rocks of the Nelson batholith.

WORK DONE: Scintillometer survey, trenching, and sampling, covering DC.

SUNBURST (Fig. E-1, NTS 82, No. 76)

LOCATION: Lat. $49^{\circ} 16'$ Long. $117^{\circ} 57'$ (82F/5W)
 TRAIL CREEK M.D. Twenty-three kilometres north-northwest of Rossland, immediately north of Sheep (Nancy Green) Lake.

CLAIMS: SUNBURST 1 (4 units), SUNBURST 2 (4 units).

OWNER: AMORE MINERALS INC., 575 Richards Street, Vancouver.

DESCRIPTION: One soil sample analysed high in gold. Hand trenching to bedrock exposed no mineralization.

WORK DONE: Geochemical survey, 42 soil samples, covering both claims.

REFERENCE: Assessment Report 6299.

ARROW (Fig. E-1, NTS 82, No. 81)

LOCATION: Lat. $49^{\circ} 26'$ Long. $117^{\circ} 59'$ (82F/5W)
 NELSON M.D. Twenty-six kilometres west-northwest of Castlegar, 4 kilometres north of Lower Arrow Lake and 0.5 kilometre west of Little Cayuse Creek.

CLAIM: ARROW (1 unit).

OWNER: GEORGE ARGATOFF, 920 - 10th Avenue South, Castlegar V1N 3A2.

WORK DONE: Drilling, one hole totalling 15 metres, on Arrow.

STEWART (ARROW TUNGSTEN) (Fig. E-1, NTS 82, No. 80)

LOCATION: Lat. $49^{\circ} 18'$ Long. $117^{\circ} 15'$ (82F/6)
 NELSON M.D. Four kilometres west of Ymir, on Stewart Creek.

CLAIMS: ATLANATA (Lot 2280), CONSOLIDATED ALABAMA (Lot 2279).

OWNER: UNION CARBIDE CANADA LIMITED, 404, 1112 West Pender Street, Vancouver.

METAL: Tungsten.

1977

(82F/6W)

DESCRIPTION: The claims are underlain by Jurassic Hall argillites and quartzites and by Elise volcanic rocks. These have been intruded by a quartz monzonite apophyse of the Nelson batholith.

WORK DONE: Reconnaissance geological mapping and geochemical survey, 100 soil samples analysed for tungsten, molybdenum, zinc, and copper, covering both claims.

REFERENCES: Mineral Inventory 82F/SW-229; *B.C. Ministry of Mines & Pet. Res.*, Bull. 10 (revised), 1943, pp. 150-152; *Minister of Mines, B.C.*, Ann. Rept., 1951, p. 137.

FREE SILVER (Fig. E-1, NTS 82, No. 78)

LOCATION: Lat. 49° 16' Long. 117° 15' (82F/6W)
NELSON M.D. Four kilometres southwest of Ymir, 1 kilometre east of Wally Creek.

CLAIMS: FREE SILVER (Lot 2902).

OWNER: RONALD SPAIN, 2164 Daniel Street, Trail V1R 4G9.

METALS: Lead, silver, manganese.

DESCRIPTION: Pyrite and pyrrhotite occur in quartzitic and slaty rock near the contact of a granitic intrusive. Galena occurs in narrow stringers. A small shipment of manganese was reported to have been shipped from the property in 1915 or before.

WORK DONE: Prospecting, old mine and surface workings; clearing access to shaft, covering Free Silver.

REFERENCES: Mineral Inventory 82F/SW-277; *Minister of Mines, B.C.*, Ann. Rept., 1908, p. 108; 1915, p. 155.

COTTONWOOD (Fig. E-1, NTS 82, No. 79).

LOCATION: Lat. 49° 26' Long. 117° 16' (82F/6W)
NELSON M.D. Seven kilometres south of Nelson, northwest and southeast from Gold Creek.

CLAIMS: KENA 1 to 32.

OWNER: C. J. Robertson.

OPERATOR: QUINTANA MINERALS CORPORATION, 2475 North Jack Rabbit Avenue, Tuscon, Arizona 85705.

WORK DONE: Induced polarization survey, 5.5 kilometres, covering Kena 16-23.

REFERENCES: Mineral Inventory 82F/SW-237; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 35; Assessment Report 6520.

EUPHRATES (Fig. E-1, NTS 82, No. 83)

LOCATION: Lat. 49° 23' Long. 117° 12' (82F/6E)
NELSON M.D. Twelve kilometres south-southeast of Nelson, extending southeast from the Salmo River, below the mouth of Clearwater Creek.

1977

(82F/6E)

CLAIMS: TRAM 1 to 8.
OWNER: BARKER RESOURCES LTD., 9th Floor, 1155 West Georgia Street, Vancouver.
METALS: Gold, silver, lead, zinc.
DESCRIPTION: Galena, sphalerite, pyrite, and arsenopyrite with traces of chalcopyrite, native gold, and silver occur in a narrow vein deposit in the Elise Formation.
WORK DONE: Underground sampling of E1 Tee drift and Nickel Plate crosscut.
REFERENCES: Mineral Inventory 82F/SW-186; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 37; Assessment Reports 5721, 6139, 6476.

GOLDEN AGE (Fig. E-1, NTS 82, No. 82)

LOCATION: Lat. 49° 24' Long. 117° 13' (82F/6E)
NELSON M.D. Eleven kilometres south-southeast of Nelson, on the west side of the Salmo River opposite Apex Creek.
CLAIMS: GOLDEN AGE (8 units), GOLDEN AGE 2.
OWNER: John B. Lepinski.
OPERATOR: ESPINA COPPER DEVELOPMENTS LTD., 9th Floor, 1155 West Georgia Street, Vancouver.
METALS: Gold, silver, copper, lead, zinc, tungsten.
DESCRIPTION: The property is underlain by a volcanic sequence believed to be part of the Lower Jurassic Rossland Formation. Metallic minerals found on the property are pyrite, chalcopyrite, sphalerite, tetrahedrite, galena, aikinite, scheelite, gold, and silver. The old workings are located along a fault/vein structure.
REFERENCES: Mineral Inventory 82F/SW-185; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, pp. 22, 65; Assessment Reports 3303, 3304, 6379.

PITT (Fig. E-1, NTS 82, No. 112)

LOCATION: Lat. 49° 36' Long. 116° 02' (82F/9E)
FORT STEELE M.D. Approximately 10 kilometres south of Kimberley, stretching southwesterly along Pitt Creek to the headwaters of Pudding Burn Creek.
CLAIMS: PITT 1 (20 units), PITT 2 (5 units), PITT 3 (10 units), PITT 4 (4 units), PITT 5 (12 units), PITT 6 (15 units), PITT 7 (6 units), Pitt 8 (8 units). (The Pitt claims are a restaking of many of the Polaris claims.)
OWNER: COMINCO LTD., 200 Granville Square, Vancouver.
METAL: Lead.
DESCRIPTION: The property is underlain by sedimentary rocks (greywackes and mudstones) of the Aldridge Formation which have been intruded by Precambrian Purcell intrusive rocks (gabbros). Galena occurs in quartz

veins within the gabbro sills. The structure is complex, with the St. Mary fault bringing the Aldridge Formation into juxtaposition with the Creston and Kitchener Formations on the southeast half of the claim group.

WORK DONE: Surface geological mapping, 1:24 000, covering all claims; road construction, 20 kilometres, covering Pitt 1, 2, 4, 5.

REFERENCES: Mineral Inventory 82F/NE-54, 101; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, pp. 85, 86 (Polaris); Assessment Reports 99, 3250, 4711, 5634.

SHADO (Fig. E-1, NTS 82, No. 85)

LOCATION: Lat. 49° 40' Long. 116° 26' (82F/9W)
FORT STEELE M.D. Thirty-one kilometres west of Kimberley, and 2 kilometres southwest of Mount Bonner.

CLAIMS: SHADO 1 (1 unit), SHADO 2 (1 unit), SHADO 3 (1 unit), SHADO 4 (1 unit), SHADO 5 (4 units).

OWNERS: T. W. Bradford, M. Kirsch, F. Fareclough, and R. E. Ruault.

OPERATOR: T. W. BRADFORD, 400 Briar Avenue, Cranbrook V1C 4B5.

WORK DONE: Prospecting; stripping, 240 square metres; road construction, 60 metres; trenching, 2 932 cubic metres; and linecutting, covering all claims.

DAVE (Fig. E-1, NTS 82, No. 84)

LOCATION: Lat. 49° 31' Long. 116° 40' (82F/10E)
NELSON M.D. Twenty-three kilometres southeast of Kootenay Bay, bordered on the north side by La France Creek and on the south side by Lockhart Creek.

CLAIMS: DAVE 1 (4 units), DAVE 2 (6 units), DAVE 3 (4 units), DAVE 4 (6 units).

OWNER: DAVID D. WIKLUND, Box 81, Boswell V0B 1A0.

METALS: Silver, lead, zinc, barite, fluorite.

DESCRIPTION:

The claims are located along the erosional edge of the Dutch Creek (Late Precambrian) Formation, where it is in contact with the younger Toby conglomerate. The local sedimentary sequence from the oldest to the youngest beds are argillite, quartzite, limestone, with beds of brecciated limestone, quartzite, argillite, erosional contact, and Toby conglomerate.

High geochemical readings in lead and zinc were obtained in the brecciated limestone and quartzite. Replacement-type mineralization is found in the quartzite, near the contact with the argillite.

Also a number of veins, some of which are mineralized, have been located. These consist of quartz, carbonates, barite, and fluorite.

1977

(82F/10E)

WORK DONE: Prospecting and geochemical survey, 110 soil samples analysed for lead and zinc, covering Dave 3 and 4.

REFERENCES: Mineral Inventory 82F/NE-138; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 36; Assessment Reports 5632, 6231.

TREN (Fig. E-1, NTS 82, No. 87)

LOCATION: Lat. 49° 32' Long. 116° 39' (82F/10E)

NELSON M.D. Eighteen kilometres southeast of the Crawford Bay settlement, extending south from La France Creek along its southern tributary.

CLAIMS: TREN 1 to 4.

OWNER: R. G. TRENAMAN, 4399 Eagle Nest Crescent, Prince George V2M 4Y5.

METALS: (Lead, zinc, silver).

DESCRIPTION: Underlying the claim area are north-trending sedimentary rocks of the Kitchener-Siyeh and Dutch Creek Formations. In the La France Creek area, the basal limy members of the Dutch Creek Formation have been the object of mineral exploration dating back to the 1890's. Minor disseminations of galena, sphalerite, tetrahedrite, and pyrite have been observed in old test pits and trenches.

WORK DONE: Geochemical survey, 385 soil samples, covering Tren 2-4.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 36; Assessment Reports 5710, 6562.

UNITED COPPER (Fig. E-1, NTS 82, No. 86)

LOCATION: Lat. 49° 43' Long. 116° 37' (82F/10E)

SLOCAN and FORT STEELE M.D. Seventeen kilometres east-northeast of Crawford Bay post office, near Cogle Pass, 2 kilometres north of the headwaters of Canyon Creek.

CLAIMS: UNITED COPPER 2, 3, 9, 12.

OWNER: J. W. CARTWRIGHT, JR., 608A West Gore Street, Nelson.

METALS: Copper, lead, zinc, silver, gold.

DESCRIPTION: Chalcopyrite, sphalerite, galena, pyrite, and pyrrhotite occur in quartz veins and lenses in shear zones and in foliations of chlorite schist.

WORK DONE: Trenching, 10 square metres; stripping, 5 square metres; and road repair, covering United Copper.

REFERENCES: Mineral Inventory 82F/NE-99; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 40.

JENNI (Fig. E-1, NTS 82, No. 88)

LOCATION: Lat. 49° 43' Long. 116° 37' (82F/10E)

SLOCAN M.D. Seventeen kilometres east-northeast of Crawford Bay post office near Cogle Pass, at the head of Sawyer Creek.

CLAIM: JENNI.

1977

(82F/10W)

OWNER: A. MORES, 609 Wasson Street, Nelson.
METALS: Copper, lead, zinc, silver, gold.
DESCRIPTION: Quartz veins carrying chalcopyrite, sphalerite, galena, pyrite, and pyrrhotite occur along shear zones and in foliations of chlorite schist.
WORK DONE: Trenching, 9 square metres; stripping, 6 square metres; and road repair, covering Jenni.
REFERENCES: Mineral Inventory 82F/NE-99; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 39.

CRAW (Fig. E-1, NTS 82, No. 89)

LOCATION: Lat. 49° 39' Long. 116° 51' (82F/10W)
SLOCAN M.D. One kilometre southwest of Crawford Bay post office, extending down the Crawford Peninsula, surrounding McGregor Lake.
CLAIMS: CRAW 1 to 31.
OWNER: COMINCO LTD., 200 Granville Square, Vancouver.
METALS: Lead, zinc, copper (in float).
DESCRIPTION: The claims are underlain by the Hamill and Badshot Formations and the Lardeau Group of Late Precambrian and Early Paleozoic age. Hamill Formation in the area is represented by pink quartzite and quartz mica schist, the Badshot Formation by coarse-grained limestone, and the Lardeau Group by black siltstone and argillite. Mineralization consists of a number of mineralized boulders in glacial till scattered about the claim area.
WORK DONE: Surface diamond drilling, four AQ holes totalling 305.4 metres, and road construction, covering Crawl 16 and 24.
REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, p. 72; Assessment Reports 4132, 4814, 6247.

BOUNTY (Fig. E-1, NTS 82, No. 90)

LOCATION: Lat. 49° 44' Long. 116° 56' (82F/10W)
SLOCAN M.D. One and one-half kilometres west of Ainsworth, at the head of Munn Creek.
CLAIM: BOUNTY (Lot 2322).
OWNER: D. DAVID POPE, 406, 609 Eighth Street SW., Calgary, Alta.
METAL: (Zinc).
DESCRIPTION: The property is underlain by hornblende schists of the Kaslo/Milford Groups and mica schists, garnet mica schists, quartzite, and limestone probably of the Milford Group. The Josephine fault transects the claim. Minor sphalerite in a quartz vein was noted in an old shaft.
WORK DONE: Prospecting, covering Bounty.
REFERENCES: Mineral Inventory 82F/NE-136; Assessment Report 6481.

HEWITT – VAN ROI (Fig. E-1, NTS 82, No. 93)

LOCATION: Lat. 49° 56' Long. 117° 18' (82F/14W)
SLOCAN M.D. Five kilometres east-southeast of Silverton, at Twigg Creek, a tributary of Silverton Creek.

CLAIMS: HEWITT (Lot 4440), LORNA DOONE (Lot 1401), VAN ROI (Lot 10954).

OWNERS: Dunganon Explorations Ltd. and Sabina Industries Ltd.

OPERATOR: DUNGANNON EXPLORATIONS LTD., 1275, 555 Burrard Street, Vancouver.

METALS: Lead, zinc, silver.

DESCRIPTION: Mineralization is contained in two to three or more fissure veins consisting of argentiferous galena, sphalerite, and grey copper in a gangue of brecciated and silicified wallrocks, quartz, and minor siderite. The lode occurs in more or less contact-altered quartzites and argillites of the Slocan Group which bound the north contact of the Slocan batholith.

WORK DONE: Exploration shaft, 27 metres, and exploration drift, 24 metres, on Lorna Doone.

REFERENCES: Mineral Inventory 82F/NW-64, 65; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1971, p. 401; 1974, p. 75.

BLUE BIRD (Fig. E-1, NTS 82, No. 95)

LOCATION: Lat. 49° 59' Long. 117° 11' (82F/14E)
SLOCAN M.D. Thirteen kilometres east of New Denver, south of Mount Reco.

CLAIMS: BLUE BIRD (Lot 540), STRANGER (Lot 512), GOODENOUGH (Lot 580), GREY COPPER (Lot 580), PURCELL (Lot 849), RAWDON (Lot 855), IDAHO NO. 2 (Lot 1013), DUNEDIN (Lot 1853), EGALITE (Lot 3103).

OWNER: GEORGE SIPOS, Box 818, Kaslo.

METALS: Silver, lead, zinc, cadmium, germanium.

DESCRIPTION: Slates and fissile, thinly banded argillites of the Slocan Group predominate on the Blue Bird property. Minor massive quartzitic and argillaceous members in addition to several narrow limestone beds are in evidence. Mineralization occurs predominantly as high-grade galena and/or zinc, with silver values, generally as narrow zones within the lode structures.

WORK DONE: Prospecting, covering all claims; underground work (preparatory work for possible small-scale production); road improvement; and sampling, covering Grey Copper; trenching, two trenches totalling 16 metres in length on Purcell and three trenches totalling 24 metres in length on Blue Bird; dump sampling.

REFERENCES: Mineral Inventory 82F/NW-34; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, pp. 75, 76.

1977

(82F/14W)

WONDERFUL (Fig. E-1, NTS 82, No. 94)

LOCATION: Lat. 49° 59' Long. 117° 15' (82F/14W)
SLOCAN M.D. Two kilometres west of Sandon, on the southwest slopes of Carpenter Creek.

CLAIMS: WONDERFUL (Lot 481), CUBA (Lot 4168), IXL FR. (Lot 5366), KATHIE FR. (Lot 14617), COMET (Lot 1462), plus located claim WONDERFUL 2 Fraction.

OWNER: GEORGE SIPOS, Box 818, Kaslo.

METALS: Gold, silver, lead, zinc.

DESCRIPTION: The claims are underlain by sedimentary rocks of the Slocan Group. Slates and platy argillites are interbedded with about an equal proportion of more massive argillaceous strata. The ore occurs in a lode system which is exposed in the Pearson adit.

WORK DONE: Prospecting, covering all claims; opening caved (Pearson) adit, on Wonderful (Lot 481).

REFERENCES: Mineral Inventory 82F/NW-43; *Minister of Mines, B.C.*, Ann. Rept., 1964, p. 124.

LOU DILLON (Fig. E-1, NTS 82, No. 92)

LOCATION: Lat. 49° 53' Long. 117° 13' (82F/14E)
SLOCAN M.D. Twelve kilometres southeast of Silvertown, on the east side of Silvertown Creek and west of Long Mountain.

CLAIM: JUNIPER (2 units).

OWNER: RALPH ALLEN, Box 657, Nakusp V0G 1R0.

METALS: Lead, zinc, (gold, silver, copper).

DESCRIPTION: The claims are underlain by coarse-grained, porphyritic hornblende granite of the Nelson batholith, intersected by occasional dykes of finer grained biotite granite. Ribbon quartz carries galena, sphalerite, pyrite, and minor gold and silver values.

WORK DONE: Road construction, on Juniper.

REFERENCES: Mineral Inventory 82F/NW-78; *Geol. Surv., Canada*, Mem. 184, p. 69.

CHICAGO (COLONIAL) (Fig. E-1, NTS 82, No. 96)

LOCATION: Lat. 49° 58' Long. 117° 12' (82F/14E)
SLOCAN M.D. Two and one-half kilometres southeast of Sandon, between Sandon and Cody Creeks.

CLAIMS: CHICAGO NO. 2 (Lot 2142), COLONIAL (Lot 5313), PULLMAN FR. (Lot 3309), FREDDIE LEE (Lot 475), CHICAGO FR. (Lot 3310).

OPERATOR: NORMAN SIBILLEAU, 10950 — 142 B Street, Surrey V3R 3L8.

METALS: Silver, lead, zinc.

WORK DONE: Fifteen metres of stripping plus ore sampling, covering all claims.

REFERENCES: Mineral Inventory 82F/NW-194; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 41.

WOODBURY CREEK (VIGILANT) (Fig. E-1, NTS 82, No. 97)

- LOCATION:** Lat. 49° 47' Long. 116° 54' (82F/15W)
 SLOCAN M.D. Five kilometres north of Ainsworth, on Woodbury Creek, immediately north of Lendrum Creek.
- CLAIMS:** Verna 28 (6 units), DD Fraction (1 unit), DOROTHY 1 (1 unit), DOROTHY 2 (1 unit), DOROTHY 3 (1 unit).
- OWNER:** CASCADIA RESOURCES LTD., 124, 744 West Hastings Street, Vancouver.
- METALS:** Lead, silver, zinc, cadmium.
- DESCRIPTION:** Micaceous and chloritic schists, with quartzites and limestone beddings, host vein mineralization consisting of galena, sphalerite, pyrrhotite, with the sulphides often carrying high silver values and some gold. Wide replacement-type sulphide ore has been found where the veins enter limestone units.
- WORK DONE:** Trenching, two trenches totalling 18.3 metres, and road construction, approximately 2.4 kilometres, on Verna 28 and DD Fraction; drilling, six BQ wireline holes totalling approximately 444.4 metres, on Verna 28.
- REFERENCES:** Mineral Inventory 82F/NE-5; *B.C. Ministry of Mines & Pet. Res.*, Bull. 53, pp. 115-118; *Minister of Mines, B.C.*, Ann. Rept., 1949, p. 181; Assessment Report 6582.

WELCOME, BRACEBRIDGE (DON, JOE) (Fig. E-1, NTS 82, No. 98)

- LOCATION:** Lat. 49° 45.5' Long. 116° 30' (82F/16W, 15E, 10E)
 FORT STEELE M.D. Thirty-five kilometres west of Kimberley, on the west branch of the St. Mary River, immediately south of the headwaters of Coppery Creek.
- CLAIMS:** DON 1 and 2, JOE 1 to 6, SILVERTIP, SILVERTIP 1 to 15, SILVERTIP Fraction, SILVERTIP 1 to 3 Fractions, WOLF Fraction, WINNIE, VERA, JIMMIE, LILIAN, GORDON Fraction, MONICA Fraction, SURPRISE (Lot 3560), WELCOME (Lot 1389), SHREWSBURY (Lot 5584), ENTERPRISE (Lot 3559).
- OWNER:** MERIDIAN RESOURCES LIMITED, 706, 675 West Hastings Street, Vancouver.
- METALS:** Copper, silver, lead, zinc.
- DESCRIPTION:** The property is underlain by the Lower Purcell Kitchener-Siyeh Formation consisting of quartz sericite schist, quartzite, and magnesium limestone. A shear zone, up to 60 metres wide and at least 3 000 metres long, is associated with tight folding and alteration, consisting of sericite flooding with chalcopyrite, galena, and pyrite. Chalcopyrite is associated with quartz-sericite veins parallel to the foliation in quartz-sericite schist.

1977

(82F/16W)

WORK DONE: 1976 — linecutting, 6.4 kilometres; geological mapping, 1:2400, covering Surprise, Welcome, Wolf Fraction, Don 1 and 2; sampling of trenches; electromagnetic survey, 16 kilometres, covering Surprise, Welcome, Wolf Fraction, and on roads.

REFERENCES: Mineral Inventory 82F/NE-91, 100; *Minister of Mines, B.C.*, Ann. Rept., 1904, p. 109; 1966, pp. 239, 240; 1967, pp. 270, 271; Assessment Report 6206.

SERVANT (Fig. E-1, NTS 82, No. 91)

LOCATION: Lat. 49° 47' Long. 116° 27' (82F/16W)

FORT STEELE M.D. Thirty-three kilometres west-northwest of Kimberley, on Coppery Creek, a branch of Dewar Creek.

CLAIM: SERVANT (1 unit).

OWNER: MARK D. BEST, 2312 South 30th Avenue, Cranbrook.

METAL: Copper.

DESCRIPTION: Chalcopyrite and pyrrhotite occur in small quartz veins in schist.

WORK DONE: Prospecting and linecutting, 200 metres, covering Servant.

REFERENCE: Mineral Inventory 82F/NE-137.

FERNIE 82G

OPAL (Fig. E-1, NTS 82, No. 102)

LOCATION: Lat. 49° 00' Long. 114° 13' (82G/1E)

FORT STEELE M.D. Nineteen kilometres east of Flathead, extending north from the International Boundary down the southeast end of Starvation Valley.

CLAIMS: OPAL, totalling nine claims.

OWNERS: F. M. Goble, F. J. Goble, and L. E. Goble.

OPERATOR: KINTLA EXPLORATIONS LIMITED, Box 763, Cardston, Alta.

METALS: Copper, silver, lead, uranium.

DESCRIPTION: Bornite, chalcocite, and covellite, with malachite and azurite, occur in grey quartzites and sandstones with redbeds of the Grinnell Formation. The redbeds have been cut by a quartz diorite sill/dyke system carrying blobs and veinlets of galena and chalcopyrite.

WORK DONE: Ground scintillometer survey, approximately 18 kilometres, covering Opal 1-8.

REFERENCES: Mineral Inventory 82G/SE-46; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 40; Assessment Reports 5696, 6521.

1977

(82G/1E)

FORUM (Fig. E-1, NTS 82, No. 101)

LOCATION: Lat. 49° 01' Long. 114° 04.5' (82G/1E)
FORT STEELE M.D. Two kilometres west of the north end of Cameron Lake, covering the head of Akamina Creek to Forum Lake.

CLAIMS: FORUM, totalling 13 claims.

OWNERS: F. M. Goble, F. J. Goble, and L. E. Goble.

OPERATOR: KINTLA EXPLORATIONS LIMITED, Box 763, Cardston, Alta.

METALS: Copper, silver, uranium.

DESCRIPTION: Finely disseminated bornite and chalcocite occur within a blue-grey algal dolomite bed in the redbeds of the Phillips Formation of the Precambrian Belt Supergroup.

WORK DONE: Ground scintillometer survey, approximately 27 kilometres, covering Forum 11-16.

REFERENCES: Mineral Inventory 82G/SE-45; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, pp. E 39, E 40; Assessment Reports 5695, 6521.

LIN (Fig. E-1, NTS 82, No. 100)

LOCATION: Lat. 49° 03' Long. 114° 16' (82G/1W)
FORT STEELE M.D. Sixteen kilometres east-northeast of Flathead, extending north from Starvation Creek to the south side of Kishinena Creek.

CLAIMS: LIN, totalling 11 claims.

OWNERS: F. M. Goble, F. J. Goble, and L. E. Goble.

OPERATOR: KINTLA EXPLORATIONS LIMITED, Box 763, Cardston, Alta.

METALS: Copper, silver, uranium.

DESCRIPTION: Covellite, bornite, and chalcocite are present in quartzites and sandstones within redbeds of the Grinnell Formation of the Precambrian Belt Supergroup. The beds dip to the northeast forming part of the Lewis thrust.

WORK DONE: Ground scintillometer survey, approximately 30 kilometres, covering Lin 13, 14, 16, 18.

REFERENCES: Mineral Inventory 82G/SE-8, 11; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 40; Assessment Reports 5694, 6521.

COMMERCE (Fig. E-1, NTS 82, No. 99)

LOCATION: Lat. 49° 11' Long. 114° 23' (82G/1W)
FORT STEELE M.D. Approximately 6 kilometres east of Flathead River, covering the headwaters of Commerce Creek.

CLAIMS: COMMERCE 1 to 16, 19 to 39, 41 to 48, 69 to 71, 75 to 78, 83, 84.

OWNER: KINTLA EXPLORATIONS LIMITED, Box 763, Cardston, Alta.

METALS: Copper, silver, lead, molybdenum, uranium, gold.

DESCRIPTION:

A syenite plug is centred to the east of Commerce Mountain, and forms part of the mountain. Numerous syenite sills and dykes, as well as diorite dykes, intrude the area. There is much alteration and gossan. Gold is associated with the syenite; silver is found in the sedimentary rocks, as is the copper and molybdenum. Uranium is found in all the red and green beds, and is associated with the copper in the thin-bedded quartzites and sandstones, and is sedimentary in nature. The highest grade of uranium is with the copper in the sands, etc. Uranium occurs in the Grinnell and Kintla Formations mainly, although some has been found in the green argillites of the Appekunny Formation as well. The carbonates are barren of uranium. In some areas the uranium is associated with thin layers of hematite. The uranium mineralization has been traced from Alberta to North Kootenay Pass, thence south to the International Boundary and into Glacier National Park in Montana.

WORK DONE: 1976 and 1977 — ground scintillometer survey, 112 kilometres, covering all claims; 103 rock samples analysed for copper, silver, uranium, and molybdenum.

REFERENCES: Mineral Inventory 82G/SE-6, 39 to 43; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 42; Assessment Reports 4535, 5070, 5560, 5938, 6398.

KRO, CROFT (Fig. E-1, NTS 82, No. 103)

LOCATION: Lat. 49° 14' Long. 114° 42' (82G/2E)
FORT STEELE M.D. Forty kilometres southeast of Fernie, between the headwaters of Howell and Twentynine Mile Creeks.

CLAIMS: KRO (3 units), CROFT (3 units).

OWNER: NEAL CURTIS LENARD, Box 863, Westbank V0H 2A0.

DESCRIPTION: A highly altered and leached alkali/syenite complex intrudes Precambrian to Cretaceous sedimentary rocks. There are significant metal geochemical anomalies related to a silicified, breccia belt. Overburden is widespread but thin.

WORK DONE: Reconnaissance prospecting, 1.9 kilometres; geochemical survey, 27 soil and 14 rock samples analysed for lead, copper, and silver (four rock samples assayed for gold and silver); and test pitting, 12 cubic metres, covering KRO.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 63 (Rok, Cat); Assessment Reports 3162, 3785 (Rok), 6387.

VINE (Fig. E-1, NTS 82, No. 105)

LOCATION: Lat. 49° 19' - 29' Long. 115° 45' - 58' (82G/5W)
FORT STEELE M.D. From 3 kilometres south of Cranbrook southward to Rabbit Foot Creek, a tributary of Lamb Creek.

CLAIMS: VINE 1 to 35 (527 units) (a restaking of the Helg, Fors, and Hope claims).

1977

(82G/5W)

OWNER: COMINCO LTD., 200 Granville Square, Vancouver.

METALS: Lead, zinc, silver.

DESCRIPTION: Low-grade, stratiform pyrrhotite, sphalerite, and galena (Fors showing) occur in a small lens in quartzites of the Middle Aldridge Formation. This showing is located on Vine 3. A vein containing pyrrhotite, galena, sphalerite, and chalcopyrite has been traced for 600 metres along strike with an average width of 1.2 metres. The vein is hosted by quartzites and siltstones of the Middle Aldridge Formation and is near or adjacent to a gabbro dyke. This showing is on Vine 1.

WORK DONE: Surface geological mapping, 1:10 000, covering all claims; airborne electromagnetic and magnetometer surveys, 1 375 kilometres, covering all claims and surrounding area; geochemical survey, 931 soil samples analysed for copper, lead, and zinc, covering Vine 1, 8, 9, 12-14, 16-19, 21, 22, 221 soil samples analysed for copper, lead, and zinc, covering Vine 17, 18, 22, 297 soil samples analysed for copper, lead, and zinc, covering Vine 1, 802 soil samples analysed for copper, lead, and zinc, covering Vine 28, 30, 31, 33, 34, and 227 soil samples analysed for copper, lead, and zinc, covering Vine 3; nine trenches totalling 270 metres on Vine 1; surface diamond drilling, four NQ holes totalling 467 metres, on Vine 1.

REFERENCES: Mineral Inventory 82G/SW-8, 35; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 43 (Helg); Assessment Reports 6498, 6543.

B&V, ST. JOSEPH (Fig. E-1, NTS 82, No. 104)

LOCATION: Lat. 49° 29' Long. 115° 53' (82G/5W)
FORT STEELE M.D. Eight kilometres southwest of Cranbrook, immediately east of the headwaters of Klako Creek and 2 kilometres west of Jim Smith Lake.

CLAIMS: ST. JOE 1 (1 unit), ST. JOE 2 (2 units), ST. JOE 3 (9 units), ST. JOE 4 (6 units), ST. JOE 5 (1 unit), ST. JOE 6 (2 units).

OWNER: COMINCO LTD., 200 Granville Square, Vancouver.

METALS: Lead, zinc, silver.

DESCRIPTION: Bedrock formations in the claim area consist of Proterozoic clastic sedimentary, Moyie intrusive, and Mesozoic intrusive rocks. Galena and sphalerite mineralization is restricted to scattered grains in narrow quartz veins.

WORK DONE: Surface geological mapping, 1:10 000, and geochemical survey, 807 soil samples, covering all claims.

REFERENCES: Mineral Inventory 82G/SW-4; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 271; Assessment Reports 104, 895, 1043, 1174, 6444.

1977

(82G/5W)

PALM (Fig. E-1, NTS 82, No. 110)

LOCATION: Lat. 49° 29' Long. 115° 57' (82G/5W)
FORT STEELE M.D. Fourteen kilometres west of Cranbrook on the western headwaters of Palmer Bar Creek.

CLAIMS: PALM 1 (1 unit).

OWNER: MARK D. BEST, 2312 South 30th Avenue No. 9, SS 1, Cranbrook.

WORK DONE: Prospecting; linecutting, 200 metres; and panning around creeks, covering Palm 1.

CEDAR (Fig. E-1, NTS 82, No. 106)

LOCATION: Lat. 49° 44' Long. 115° 29' (82G/11W)
FORT STEELE M.D. Sixteen kilometres north-northeast of Fort Steele, on East Wild Horse River.

CLAIMS: CEDAR 1, 3, 7, 10, 12, DAISY 1 to 3.

OWNERS: Kathleen Ann Ord Frost.

OPERATOR: E. J. FROST, Box 542, Cranbrook.

METALS: Tungsten, copper, molybdenum.

DESCRIPTION: Altered Kitchener Formation is overturned and probably underlain by an extension of a monzonite stock outcropping to the east. Dolomitic limestone, which has been subject to calc-silicate alteration, is cut by a light-coloured dyke. The dyke is 2.4 metres wide, dips vertically, and strikes approximately north-south. Scheelite occurs in the dyke, in quartz veining adjacent to the dyke, and as replacement in altered Kitchener rocks 500 metres east of the dyke. Scheelite mineralization is traceable over 2 kilometres. Some copper and molybdenite were noted in the dyke.

WORK DONE: Open cut, 1 500 cubic metres, on Daisy 1-3.

REFERENCES: Mineral Inventory 82G/NW-60; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 41; Assessment Report 5584.

VAN (Fig. E-1, NTS 82, No. 107)

LOCATION: Lat. 49° 44' Long. 115° 39' (82G/12E)
FORT STEELE M.D. Thirteen kilometres north-northwest of Fort Steele, 5 kilometres east of the Kootenay River, straddling Saugum Creek.

CLAIMS: VAN 1 (1 unit).

OWNER: E. J. FROST, Box 542, Cranbrook.

METAL: Uranium.

DESCRIPTION: Fort Steele quartzites and argillites are cut by a diorite dyke about 60 metres thick, striking southeast-northwest and dipping vertically. The dyke is intersected ? by a complex of northeast-striking granitic dykes and sills over a width of 90 metres. Quartz veining follows the granite and contains uranium.

WORK DONE: Two trenches totalling 10 metres and trail construction, covering Van 1.

REFERENCE: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 45.

1977

(82G/12W)

POLARIS, RIGEL (Fig. E-1, NTS 82, NO. 109)

LOCATION: Lat. 49° 37' Long. 115° 57' (82G/12W)
FORT STEELE M.D. Fourteen kilometres northwest of Cranbrook,
on the St. Mary River immediately south of Marysville.

CLAIMS: POLARIS 101 to 106, 131, RIGEL 17, 20, 33, 34.

OWNER: Texasgulf Inc.

OPERATOR: COMINCO LTD., 200 Granville Square, Vancouver.

METALS: Lead, zinc.

DESCRIPTION: Clastic sedimentary rocks of the Aldridge Formation are cut by dioritic
Moyie sills and sparsely mineralized with pyrite, pyrrhotite, galena, and
sphalerite.

WORK DONE: Surface diamond drilling, one BQ hole totalling 147.5 metres (117.7
metres in overburden), on Polaris 103.

REFERENCES: Mineral Inventory 82G/N-70; *B.C. Ministry of Mines & Pet. Res.*,
Exploration in B.C., 1975, p. E 42; Assessment Report 5634.

KIM (Fig. E-1, NTS 82, No. 108)

LOCATION: Lat. 49° 40' Long. 115° 52' (82G/12W)
FORT STEELE M.D. Eight kilometres east of Kimberley, 500 metres
west of McGinty Lake.

CLAIMS: KIM 29 to 32, 49 to 54, 71 to 76, 154, 166 to 175, 184 to 190, 198 to
203.

OWNER: Imperial Oil Enterprises Ltd.

OPERATOR: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street,
Vancouver.

METALS: (Copper, lead, zinc).

DESCRIPTION: Moyie sills with minor amounts of chalcopyrite intrude turbidites of
the Middle Aldridge Formation. The sedimentary rocks are pre-
dominantly quartzite and finely banded argillite.

WORK DONE: Surface diamond drilling, one BQ hole totalling 230 metres, on Kim 53.

REFERENCES: Mineral Inventory 82G/N-75; *B.C. Ministry of Mines & Pet. Res.*,
Exploration in B.C., 1976, p. E 45; Assessment Reports 1715, 2071,
5217, 5638, 5967, 6312.

CANAL FLATS 82J

CROSS (Fig. E-1, NTS 82, No. 111)

LOCATION: Lat. 50° 05.5' Long. 114° 59.5' (82J/2W)
FORT STEELE M.D. Approximately 40 kilometres north of Natal, on
the northern headwaters of Crossing Creek.

CLAIM: CROSS 1 (4 units).

OWNER: COMINCO LTD., 200 Granville Square, Vancouver.

1977

(82J/3E)

DESCRIPTION: The survey area has no conductors and is quite flat magnetically.
WORK DONE: Airborne electromagnetic and magnetometer survey, 25.6 kilometres, covering Cross.
REFERENCE: Assessment Report 6501.

SOAB (Fig. E-1, NTS 82, No. 113)

LOCATION: Lat. $50^{\circ} 07'$ Long. $115^{\circ} 06'$ (82J/3E)
FORT STEELE M.D. Twelve kilometres west of Round Prairie, extending from 2 kilometres south of Munroe Lake southward for 12 kilometres.
CLAIMS: SOAB 42, 44, SOAB 1 (12 units), SOAB 2 (12 units), SOAB 3 (12 units), SOAB 4 (18 units), SOAB 5 (15 ? units), SOAB 6 (9 units), MUNROE 1 (12 units).
OWNER: SILVER STANDARD MINES LIMITED, 904, 1199 West Hastings Street, Vancouver.
METAL: Zinc.
DESCRIPTION: Sphalerite occurs in carbonate rocks.
WORK DONE: Stripping, 20 metres by 200 metres, on Munroe 1.
REFERENCES: Mineral Inventory 82J/SW-13, *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 46; Assessment Report 6263.

COL (Fig. E-1, NTS 82, No. 114)

LOCATION: Lat. $50^{\circ} 15'$ Long. $115^{\circ} 49'$ (82J/4W, 5W)
GOLDEN M.D. Ten kilometres north of Canal Flats, 2 kilometres east of Columbia Lake with the north portion of the property drained by the headwaters of Lansdowne Creek.
CLAIMS: COL (9 units), COL 2 (8 units), COL 3 (6 units).
OWNER: COMINCO LTD., 200 Granville Square, Vancouver.
METALS: Lead, zinc, barite.
DESCRIPTION: On the Col claims are sphalerite, smithsonite, and galena showings that are hosted by Middle Cambrian Jubilee dolomite. The showings have a large areal extent and are usually within fracture breccia or barite-healed fractures. The structure is complex and has exposed the stratigraphy of Proterozoic to Ordovician in age. Minor strike/slip faulting, considered to be associated with the mineralizing event, is overprinted by imbricate thrust faulting of Laramide age which caused extensive crackle development in the Jubilee dolomite.
WORK DONE: 1976 — geochemical survey, 422 soil samples analysed for lead, zinc, and copper and 5 rock samples analysed for lead and zinc, covering Col 1; 1977 — surface geological mapping, 1:10 000, covering all claims.
REFERENCES: Mineral Inventory 82J/SW-14; Assessment Reports 6316, 6526.

1977

(82J/5W)

LUCKY (CAMERON) (Fig. E-1, NTS 82, No. 116)

LOCATION: Lat. 50° 26' Long. 115° 52.5' (82J/5W)
GOLDEN M.D. Eight kilometres southeast of Windermere, extending eastward from Indian Reserve 3 and northward from Madias Creek.

CLAIMS: ZAP 1 to 4 (totalling 16 units).

OWNER: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver.

METALS: Lead, zinc, barite.

DESCRIPTION: Barite, with galena and sphalerite, occurs in massive dolomites of the Cambrian Jubilee Formation.

WORK DONE: 1976 and 1977 — prospecting; hand trenching, three trenches totalling 23 metres in length; sampling; geochemical survey, 478 soil samples analysed for lead and zinc, covering Zap 1-4.

REFERENCES: Mineral Inventory 82J/SW-2, 5; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1970, pp. 487, 488; Assessment Report 6358.

TRIO (Fig. E-1, NTS 82, No. 115)

LOCATION: Lat. 50° 29.5' Long. 115° 57' (82J/5W)
GOLDEN M.D. Four kilometres northeast of Windermere, between Windermere and Burnais Creeks.

CLAIM: TRIO 1 (2 units).

OWNER: PAT HAGEL, 61 — 12th Street SW., Medicine Hat, Alta. T1A 4T4.

WORK DONE: Linecutting, 1.7 kilometres, covering Trio 1.

REFERENCE: Assessment Report 6346.

STAN (Fig. E-1, NTS 82, No. 117)

LOCATION: Lat. 50° 25' Long. 115° 43' (82J/5E)
GOLDEN M.D. Thirteen kilometres northeast of Fairmont Hot Springs, on the south side of Pedley Creek and 2 kilometres north-northeast of Mount Pedley.

CLAIMS: STAN (4 units), FLY (4 units).

OWNER: Chevron Canada Limited.

OPERATOR: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver.

METALS: Lead, zinc, barite.

DESCRIPTION: Barite veins carrying galena and sphalerite transect limestones of the Ordovician Beaverfoot-Brisco Formation.

WORK DONE: Five trenches totalling 72 cubic metres, on Stand and Fly.

LARDEAU 82K**ACE (Fig. E-1, NTS 82, No. 120)**

LOCATION: Lat. 50° 02' Long. 116° 12' (82K/1E)
GOLDEN M.D. Thirty kilometres west-southwest of Canal Flats, at the headwaters of Doctor Creek.

CLAIMS: ECHO 1 (9 units), ECHO 2 (9 units), ECHO 3 (6 units), ECHO 4 (4 units).

OWNER: COMINCO LTD., 200 Granville Square, Vancouver.

METALS: Lead, zinc, silver.

DESCRIPTION:

The claims are underlain by the Precambrian Aldridge Formation, consisting of quartzites, siltstones, and mudstones which have undergone a low greenschist grade of metamorphism. Gabbro sills of the Moyie intrusions occur within the Aldridge sedimentary rocks.

Medium to coarse-grained, crosscutting, quartz-tourmaline-chlorite veins, occasionally with minor iron sulphide and galena, are common throughout Lower and Middle Aldridge stratigraphy. These veins are usually small and appear to be genetically related to diorite intrusions.

Lead and zinc occur in two zones of chloritized breccia healed by sideritic dolomite and calcite. Scheelite occurs in fault-controlled muscovite, tourmaline, actinolite, and calcite veins.

WORK DONE: Surface geological mapping, 1:10 000; geochemical survey, 600 soil and silt samples analysed for lead, zinc, and copper; and prospecting, covering all claims.

REFERENCES: Mineral Inventory 82K/SE-63; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, pp. 86, 87; Assessment Reports 3287, 4705, 6413.

CUBA (Fig. E-1, NTS 82, No. 186)

LOCATION: Lat. 50° 02' Long. 116° 55' (82K/2W)
SLOCAN M.D. Approximately 15 kilometres south of the northern end of Kootenay Lake and at the confluence of Schroeder Creek which is on the western side of the lake.

CLAIMS: RUTH 1 to 5.

OWNER: AMORE MINERALS INC., 575 Richards Street, Vancouver.

METALS: Silver, lead, zinc, tungsten.

DESCRIPTION: The general area of the claims is underlain by the Windermere-Lardeau Series of schist and phyllite, quartzite, slate, and limestones, of Late Precambrian age. An old shaft and adit explored a 0.15 to 0.6-metre-wide vein that was reported to carry much disseminated galena, zinblende, and pyrite. The vein crosses a wide belt of crystalline limestone. In a recent report, some scheelite is indicated in the adit.

1977

(82K/3E)

WORK DONE: Ground electromagnetic survey, 4 kilometres; ground magnetometer survey, 4 kilometres; geochemical survey, 157 soil samples analysed for lead, tungsten, and silver, covering Ruth 1.

REFERENCES: Mineral Inventory 82K/SE-31; *Geol. Surv., Canada*, Mem. 184, p. 213; Assessment Report 6465.

MAYFLOWER (Fig. E-1, NTS 82, No. 137)

LOCATION: Lat. 50° 04' Long. 117° 08' (82K/3E)

SLOCAN M.D. Nineteen kilometres east-northeast of New Denver, on Whitewater Creek about 2 kilometres from its junction with the Kaslo River.

CLAIMS: MAYFLOWER (Lot 4458), GRIZZLY, SUNFLOWER.

OWNER: PETER LEONTOWICZ, RR 1, New Denver.

METALS: Lead, silver, zinc, copper, gold.

DESCRIPTION: Stratabound mineralization occurs in and near the contact of Slocan sedimentary rocks and Kaslo phyllites and schists. Tetrahedrite occurs regularly in quartz and siderite-filled fractures along this contact zone.

WORK DONE: Approximately 1.5 kilometres of trail work and 1.5 kilometres of road rehabilitation, covering all claims.

REFERENCES: Mineral Inventory 82K/SW-31, 78; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 44.

SPRING (Fig. E-1, NTS 82, No. 121)

LOCATION: Lat. 50° 05' Long. 117° 08' (82K/3E)

SLOCAN M.D. Twenty kilometres southwest of Lardeau, east of Stevenson Creek.

CLAIMS: SPRING 1 (1 unit), SPRING 2 (2 units).

OWNER: B. ERICKSON, Box 814, Kaslo.

METALS: Silver, lead, zinc, cadmium.

DESCRIPTION: The claims are underlain by slate, argillites, quartzites, and limestones. Mineralization is reported to occur in fissure veins in fractured zones.

WORK DONE: Prospecting on Spring 1 and 2; trenching, four trenches totalling 20 metres, on Spring 2.

PANAMA, SILVER GLANCE (Fig. E-1, NTS 82, No. 122)

LOCATION: Lat. 50° 04' Long. 117° 12' (82K/3E)

SLOCAN M.D. Fourteen kilometres northeast of New Denver, at the headwaters of Watson Creek.

CLAIMS: PANAMA (Lot 3152), SILVER GLANCE (Lot 3829), SILVER GLANCE FR. (Lot 12633), BOOSTER FR. (Lot 12628), BOURBON (Lot 12629), BOURBON 2 (Lot 12630), BOURBON FR. (Lot 12632), BALDWIN (Lot 12631), LONDON (Lot 1416), THIRD OF JULY (Lot 1417), SUMMIT QUEEN (Lot 3830), KING (Lot 12626), QUEEN (Lot 12627).

1977

(82K/3W)

OWNER: UNITED HEARNE RESOURCES LTD., 14th Floor, 1199 West Hastings Street, Vancouver.

METALS: Silver, lead, zinc, copper.

DESCRIPTION: On the Panama claim, quartz veins containing tetrahedrite, native silver, ruby silver, galena, sphalerite, and smithsonite occur in slates of the Slocan Group. On the Silver Glance claim, quartz veins containing argentite and sphalerite occur in a small stock of granodiorite.

WORK DONE: Diamond drilling, four BQ holes totalling 520 metres, on Silver Glance and Panama.

REFERENCES: Mineral Inventory 82K/SW-28, 55; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, p. 82.

CORK, MIN (Fig. E-1, NTS 82, No. 132)

LOCATION: Lat. 50° 00.5' Long. 117° 16.5' (82K/3W)
SLOCAN M.D. Immediately south of the settlement of Three Forks.

CLAIMS: MIN FR., WEST FR., CORK, LOPE (Lots 14809 to 14812).

OPERATOR: NORMAN SIBILLEAU, 10950 — 142 B Street, Surrey V3R 3L8.

METALS: Silver, lead, zinc.

WORK DONE: Prospecting; road repair, 1.5 kilometres; adit repair.

REFERENCES: Mineral Inventory 82K/SW-4; *B.C. Ministry of Mines & Pet. Res.*, Bull. 29, pp. 92, 93; *Minister of Mines, B.C.*, Ann. Rept., 1956, pp. 93, 94.

COACHMAN (Fig. E-1, NTS 82, No. 124)

LOCATION: Lat. 50° 15' Long. 117° 49' (82K/5W)
SLOCAN M.D. In Nakusp, at the south end of the airstrip.

CLAIM: COACHMAN.

OWNER: HENRY S. MURPHY, Box 127, Nakusp V0G 1R0.

METALS: Silver, lead, zinc.

WORK DONE: 1976 — percussion drilling, five holes totalling 73.2 metres, on Coachman.

REFERENCE: Assessment Report 6296.

RT, TIGERCAT (Fig. E-1, NTS 82, No. 127)

LOCATION: Lat. 50° 24' Long. 117° 09' (82K/6E)
SLOCAN M.D. On Poplar Creek, 3 kilometres west of its confluence with the Lardeau River.

CLAIMS: RT (1 unit), TIGERCAT (1 unit).

OWNER: ROBERT LEFTROOK, General Delivery, Hendrix Lake V0K 1R0.

WORK DONE: Prospecting, 12 samples assayed for silver, gold, zinc, and lead, and road building, 3.8 kilometres, covering both claims; cleaning and retimbering portal.

1977

(82K/6E, 7W)

PRESIDENT, HAUSER (Fig. E-1, NTS 82, No. 126)

LOCATION: Lat. 50° 24.5' Long. 117° 00' (82K/6E, 7W)
SLOCAN M.D. Nineteen kilometres north of the community of Meadow Creek, 2 kilometres west of Gallop Point on the west side of Duncan Lake, on Gallop Creek headwaters.

CLAIMS: TWO BROTHERS, PRESIDENT, PRESIDENT FR., HAUSER, HAUSER FR. (Lots 2005 to 2009), plus RUBY 1 to 4.

OWNER: Consolidated Boundary Exploration Ltd.

OPERATOR: SAM CRAIG, Box 201, Christina Lake.

METALS: Gold, silver, copper.

DESCRIPTION: Very high-grade gold-silver and copper-bearing float was found in the 1890's by the Gallop brothers. Some 210 metres of drifting was done along a fault zone in efforts to delineate the source of the float. Assays ran up to 100 ounces gold in drifts. However, the source of the float was not found. The present workings are approximately 300 metres in elevation. Stripping in 1970 uncovered quartz veining, 3.5 metres wide, with maraposite, pyrite, and tetrahedrite, carrying low values in silver. Work in 1977 explored the fault zone at hangingwall side of the vein. Argentite, galena, and zinc were found in the fault zone. It is believed that the source of the argentiferous float has now been established.

WORK DONE: Stripping and benching, covering Ruby 2 and 4.

REFERENCES: Mineral Inventory 82K/SE-12; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 47; Assessment Report 6282.

BS, PHD (JOHN) (Fig. E-1, NTS 82, No. 125)

LOCATION: Lat. 50° 28' Long. 117° 07' (82K/6E)
SLOCAN M.D. About 11 kilometres west of Duncan Lake, on the eastern side of Mount Johnson.

CLAIMS: JOHN 1 to 10.

OWNER: HECATE GOLD CORPORATION, 333, 885 Dunsmuir Street, Vancouver.

METALS: Silver, lead, zinc.

DESCRIPTION: Tightly folded bands of limestone, close to a greenschist contact, carry lenses of brown-weathering dolomite containing sphalerite, galena, and tetrahedrite.

WORK DONE: Ground electromagnetic survey, 2.9 kilometres, covering John 1, 3, 5.

REFERENCES: Mineral Inventory 82K/SW-80, 81; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 45; Assessment Report 86, 5763, 6461.

RAD (Fig. E-1, NTS 82, No. 128)

LOCATION: Lat. 50° 25' Long. 116° 24' (82K/8W)
GOLDEN M.D. Eight kilometres north of the community of Toby Creek, on Delphine Creek, 5.5 kilometres west of its confluence with Toby Creek.

1977

(82K/8W)

CLAIMS: RAD 1, 3 to 5, 16, 17, 28, 40, 41, US 1 to 4, NEW 1 to 5, MORIA 2 to 5, MORIA A 1.

OWNER: MEDESTO EXPLORATION LTD., 215A – 10th Street NW., Calgary, Alta. T2N 1V5.

METALS: Lead, silver, (zinc).

DESCRIPTION: The claims are underlain by rocks of the Mount Nelson Formation, a sequence of Precambrian sedimentary rocks of the Purcell Supergroup. Silver-lead mineralization in the area is associated with an intrusion of granodiorite.

WORK DONE: Drilling, one BQ hole, totalling 34 metres, on Rad 41; road construction, 1 kilometre.

REFERENCES: Mineral Inventory 82K/SE-27; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. 47, 48.

TATLER, BROKEN HILL (Fig. E-1, NTS 82, No. 130)

LOCATION: Lat. 50° 26' Long. 116° 29' (82K/8W)
GOLDEN M.D. On the northwest slope of Black Diamond Mountain, at the head of Farnham Creek.

CLAIMS: WORLDS FAIR (Lot 5356), WILDERNESS (Lot 5357), GREAT NORTHERN (Lot 5358), WHITE BEAR (Lot 9987), COPPER KING (Lot 9988), BUTLER (Lot 9989), MASTER (Lot 9990), IRON MASK (Lot 9991), BROKEN HILL (Lot 9992), IMPERIAL (Lot 9993), NORTH LIGHT (Lot 9994).

OWNER: KENNETH RUSSELL KANE, 437 Woodlands Crescent SE., Calgary, Alta.

METALS: Lead, barite.

DESCRIPTION: Narrow discontinuous veinlets, with some malachite and azurite in a barite and quartz gangue, cut quartzite, black slates, and argillaceous, thinly bedded limestone. The main showing occurs on the Copper King and Imperial claims.

WORK DONE: Surface sampling, covering Copper King, Imperial, Broken Hill, Iron Mask, North Light, Master, and Butler.

REFERENCES: Mineral Inventory 82K/SE-5; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 48; Assessment Reports 1614, 1977, 2515, 6099.

GREEN RIDGE (Fig. E-1, NTS 82, No. 129)

LOCATION: Lat. 50° 29' Long. 116° 17' (82K/8W)
GOLDEN M.D. Sixteen kilometres west of Invermere, at the headwaters of the northern branches of Springs Creek.

CLAIMS: GREEN RIDGE 1 to 6.

OWNER: JOHN KOMPERDO, Box 61, Lundbreck, Alta. T0K 1H0.

METALS: Copper, silver.

1977

(82K/9E)

DESCRIPTION: A mineralized quartz vein cuts Horsethief Creek conglomerate and trail building has exposed copper mineralization in shale. An old adit is located at the northern end of the Green Ridge 3 and 4 boundary.

WORK DONE: Prospecting and trail construction, 2.4 kilometres, covering Green Ridge 1-6.

REFERENCE: Mineral Inventory 82K/SE-68.

STEAMBOAT (Fig. E-1, NTS 82, No. 134)

LOCATION: Lat. 50° 41' Long. 116° 12' (82K/9E)

GOLDEN M.D. Four kilometres west-southwest of Edgewater, on Steamboat Mountain.

CLAIMS: STEAMBOAT (6 units), STEAMBOAT 1 (2 units), STEAMBOAT 2 (2 units), STEAMBOAT 3 (6 units), STEAMBOAT 4 (15 units), STEAMBOAT 5 (4 units).

OWNER: COMINCO LTD., 200 Granville Square, Vancouver.

METALS: Silver, lead, zinc, barite.

WORK DONE: 1976 — surface diamond drilling, six NW holes totalling 598.7 metres, on Steamboat.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 48, E 49; Assessment Reports 5880, 6200.

GROTTO (Fig. E-1, NTS 82, No. 131)

LOCATION: Lat. 50° 34' Long. 116° 21' (82K/9W)

GOLDEN M.D. Twenty-three kilometres west-northwest of Invermere, extending north from Horsethief Creek, opposite the mouth of Gopher Creek.

CLAIMS: GROTTO 1 to 25.

OWNER: GROTTO SILVER MINES LTD., 197 Howard Street, Kimberley.

METALS: Lead, zinc, silver.

WORK DONE: Underground work, 12 metres of drifting, on Grotto 4.

REFERENCES: Mineral Inventory 82K/NE-17; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 49.

SERENA (Fig. E-1, NTS 82, No. 133)

LOCATION: Lat. 50° 37' Long. 116° 28' (82K/9W)

GOLDEN M.D. Twenty-eight kilometres west of Radium Hot Springs, at the head of two easterly flowing tributaries of Irish Creek and 1 kilometre north of Mount Sally Serena.

CLAIMS: SERENA (12 units).

OWNER: J. W. Simpson.

(82K/9W, 10E)

OPERATOR: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver.

DESCRIPTION: The underlying rocks of the claim are part of the Horsethief Creek batholith, dominantly a porphyritic quartz monzonite. A zone of relatively high gamma ray emission occupies most of the eastern half of the claims. Within this zone, the highest radiometric expressions are associated with fractures and minor shear zones.

WORK DONE: Ground scintillometer survey, 7 kilometres; geochemical survey, 21 soil, 25 silt, and 14 rock samples analysed for uranium, covering Serena.

REFERENCE: Assessment Report 6567.

STAR (Fig. E-1, NTS 82, No. 135)

LOCATION: Lat. 50° 38' Long. 116° 30' (82K/9W, 10E)
GOLDEN M.D. Thirty kilometres west of Radium Hot Springs, on Forster Creek north of Welsh Creek and Northstar Peak.

CLAIM: STAR (18 units).

OWNER: J. W. Simpson.

OPERATOR: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver.

METAL: Uranium.

DESCRIPTION: The underlying rocks are part of the Horsethief Creek batholith, which has intruded Proterozoic sedimentary rocks of the Dutch Creek Formation, the Mount Nelson Formation, the Toby Formation, and the Horsethief Creek Group. Uranium is contained in refractory minerals and uraninite found in the black sands of Forster Creek.

WORK DONE: Ground scintillometer survey, 8 kilometres; geochemical survey, 64 soil, 52 silt, 12 rock, and 6 water samples, covering Star.

REFERENCES: Mineral Inventory 82K/NE-39; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 74 (Annette); Assessment Reports 3222, 6569.

ANNETTE 55 (Fig. E-1, NTS 82, No. 216)

LOCATION: Lat. 50° 38' Long. 116° 33' (82K/10E)
GOLDEN M.D. In the Purcell Mountains, near the headwaters of Forster Creek, at the northern end of North Star Glacier.

CLAIMS: STAN 1 to 6 (totalling 77 units).

OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver V6C 2R2.

METALS: Uranium, tungsten, molybdenum.

DESCRIPTION: The claims are underlain by rocks of the Lower to Middle Cretaceous Horsethief batholith, which concordantly intrude Upper Proterozoic argillites, dolomites, and conglomerates.

WORK DONE: Geochemical survey, 55 silt, 52 water, and 13 rock samples analysed for uranium, tungsten, copper, lead, zinc, molybdenum, and tin, covering Stan 1-6.

REFERENCES: Mineral Inventory 82K/NE-40; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, p. 92; Assessment Report 6593.

SILVER CUP, TOWSER (Fig. E-1, NTS 82, No. 136)

- LOCATION:** Lat. 59° 38' Long. 117° 22' (82K/11W)
 REVELSTOKE M.D. Twelve kilometres east of the community of Trout Lake, from Ferguson and Fissure Creeks southeasterly across Lardeau Creek to the headwaters of Cup Creek.
- CLAIMS:** TOWSER (Lot 1565), SILVER CUP (Lot 768), SUNSHINE (Lot 1564), SILVER CUP FR. (Lot 2622), EXCELSIOR FR. (Lot 2626), MOUNTAIN FR. (Lot 3052), EXCELSIOR (Lot 2621), GOLD BUG (Lot 3053), MAYBEE (Lot 4953), NETTIE L (Lot 4954), AJAX (Lot 4955), GOOD LUCK (Lot 4956), COPPER REEF (Lot 4957), LULA BELLE FR. (Lot 4958), NO. 1 FR. (Lot 5688), NETTIE L FR. (Lot 5689), Mineral Lease M-66 comprising SUNSET (Lot 4736) and BLACK EAGLE (Lot 4735), DAISY Fraction, DIAMOND JUBILEE Fraction, YUILL, DUKE 1 to 6, CINDY 1, 2, 6 to 9, CINDY 1 and 2 Fractions, SANDY 1 to 9, BOB, TRUST, LAR, CUP 1 to 3 (totalling 35 units), RATTLER, RATTLER 1, SILVER PICK, IXL, IXL Fraction.
- OPERATOR:** C. T. EXPLORANDA LTD., 440, 890 West Pender Street, Vancouver V6C 1J9.
- METALS:** Silver, lead, zinc, gold.
- DESCRIPTION:** The mineralization occurs in shears in the Silver Cup anticline in the Triune Formation of phyllite, argillite, and graphite schists.
- WORK DONE:** Underground drifting, 210 metres, and diamond drilling 600 metres, on Towser; prospecting, covering Cup 2, 3, Nettie L, and Ajax; geochemical survey, 60 soil samples analysed for silver, lead, and zinc, and caterpillar trenching, 200 metres by 24 metres by 10 metres, on Cup 1; clearing road, 3 kilometres, on Cup 2; road maintenance, on Towser, Sunshine, and Silver Cup; construction of buildings (compressor and machine shop and fuel storage), on Towser and rehabilitation, on Silver Cup.
- REFERENCES:** Mineral Inventory 82K/NW-27, 28; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 50.

LUCKY BOY, COPPER CHIEF (Fig. E-1, NTS 82, No. 218)

- LOCATION:** Lat. 50° 38' Long. 117° 36' (82K/12E)
 REVELSTOKE M.D. Four kilometres west of Trout Lake village, on and extending eastward from Wilkie Creek.
- CLAIMS:** LUCKY BOY (Lot 5423), HORSESHOE (Mineral Lease M-24, Lot 5432), CH (Lot 4741), XYZ (Lot 4742), CD (Lot 4743), BLUE JAY (Lot 4744), DOUBTFUL (Lot 4745), ANEX, LUCKY BOY Fraction, LUCKY JAY 1 to 3, 6, 7, 9 to 11, ROVER 2 to 7, COPPER CHIEF MOLY, COPPER CHIEF MOLY 1 and 2, TL 1 (4 units), TL 2 (4 units), TL 3 (1 unit).
- OWNERS:** Alan E. Marlow and Beulah M. Oakey.

1977

(82K/12E)

OPERATOR: NEWMONT EXPLORATION OF CANADA LIMITED, 1400, 750 West Pender Street, Vancouver V6C 1K3.

METALS: Molybdenum, silver, lead, zinc, tungsten.

DESCRIPTION: The deposit is associated with a granodiorite plug, 300 metres long by 150 metres wide, intruding a sequence of argillites, siliceous schists, and carbonate rocks. Molybdenite with minor pyrite and pyrrhotite is associated with a stockwork of quartz veins. Mineralization, accompanied by phyllic and potassic alteration, occurs in both the granodiorite plug and the adjacent schists. Quartz veins of the old Lucky Boy and Copper Chief mines carry galena, sphalerite, tetrahedrite, chalcopyrite, and pyrite.

WORK DONE: Surface geological mapping, 1:1200, covering CH, XYZ, CD, Blue Jay, Doubtful, Lucky Boy, Lucky Boy Fraction, Horseshoe, Anex, Lucky Jay 2, 3, Rover 4, Copper Chief Moly 1, 2, and TL 1; magnetometer survey, 27.5 kilometres, covering same claims except for Rover 4 and including Copper Chief Moly, Lucky Jay 1, 6, 7, 9-11, and TL 2; drilling, 1 575 metres, on CH and Lucky Jay 1 and 6.

REFERENCES: Mineral Inventory 82K/NW-3, 4, 87; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 51; Assessment Reports 5968, 6094.

Oakey (Fig. E-1, NTS 82, No. 221)

LOCATION: Lat. 50° 39' Long. 117° 33' (82K/12E)
REVELSTOKE M.D. Sixteen kilometres southeast of Beaton and approximately 2 kilometres west of the northwest end of Trout Lake.

CLAIMS: Oakey (1 unit), Oakey 2 (2 units), Oakey 3 (1 unit), Oakey 4 (12 units), Oakey 5 (15 units).

OWNER: A. Morvay.

OPERATOR: Oakey Holdings Ltd., 183 Granada Mall, Highway 33E, Kelowna.

METALS: Lead, zinc, silver, gold.

DESCRIPTION: A band of galena, 15 to 30 centimetres wide, occurs in a quartz vein, varying in width from 0.3 to 4 metres, which can be traced for several kilometres.

WORK DONE: Stripping and trenching, 10 000 square metres; road building, 490 metres; and linecutting, covering Oakey 5.

REFERENCE: Mineral Inventory 82K/NW-97.

Wigwam (Fig. E-1, NTS 82, No. 220)

LOCATION: Lat. 50° 53' Long. 117° 58' (82K/13W)
REVELSTOKE M.D. Twenty kilometres southeast of Revelstoke, on the north side of the Akolkolex River, south of Drimmie Creek.

CLAIMS: PARMAC 1, BIG R 1 to 4, BIG M 1 to 12, MEL 1 and 2 Fractions.

OWNER: Parmac Mines Ltd.

OPERATORS: METALLGESELLSCHAFT CANADA LIMITED, 824, 602 West Hastings Street, Vancouver V6B 1P2 and CYPRUS ANVIL MINING CORPORATION, 330, 355 Burrard Street, Vancouver V6C 2G8.

METALS: Lead, zinc, (silver).

DESCRIPTION:

Lead-zinc mineralization is stratabound in quartzites and consists mainly of pyrrhotite, sphalerite, and little galena. The base metal deposition began at the end of the Hamill Group (pure quartzite), continued into the Mohican Formation (impure quartzite), reached the maximum in the Badshot limestone/marble, and ended in argillites of the Badshot Formation. The tectonic structure is a complex series of smaller isoclinal folds in the apex of the Drimmie Creek syncline, a large recumbent isoclinal fold. The different sulphide lenses are composed of numerous small bodies with varying thickness, probably due to tectonic mobilization during intensive folding. No economic mobilization is inferred due to the limited extent of these single lenses.

WORK DONE: Surface geological mapping, 1:1000, covering all claims; mis-a-la-masse survey, 1.5 kilometres; self-potential survey, 1.5 kilometres; preparation of topographic map, 1:10 000.

REFERENCES: Mineral Inventory 82K/NW-68; *Minister of Mines, B.C., Ann. Rept.*, 1969, p. 339; Assessment Reports 6240, 6462.

BOYD (Fig. E-1, NTS 82, No. 219)

LOCATION: Lat. 50° 51' Long. 117° 29' (82K/14W)
REVELSTOKE M.D. Twenty-two kilometres northeast of Beaton, 6 kilometres west of Westfall Creek, covering Carbonate King Creek and the headwaters of Lean-to Creek.

CLAIMS: BOYD 1 (20 units), BOYD 2 (10 units).

OWNER: J.R. WOODCOCK CONSULTANTS LTD., 1521 Pemberton Avenue, North Vancouver V7P 2S3.

METAL: (Lead).

DESCRIPTION: Sparse galena occurs in a dolomitized part of the Badshot Formation.

WORK DONE: 1976 — electromagnetic survey, 6.3 kilometres, covering Boyd 1; 1977 — prospecting; surface geological mapping, 1:10 000; and geochemical survey, 25 silt and soil samples and 13 rock samples analysed for lead and zinc.

REFERENCES: *B.C. Ministry of Mines & Pet. Res., Exploration in B.C.*, 1976, p. E 52; Assessment Report 6496.

ATLAS, RR (Fig. E-1, NTS 82, No. 138)

LOCATION: Lat. 50° 56' Long. 116° 57' (82K/15W)
GOLDEN M.D. Forty-one kilometres west of Spillimacheen, extending south from the Ruth Vermont property, on Crystal Creek, the northern tributary of Crystalline Creek.

CLAIMS: RR 1 to 24, BR 2, 3, 6, 8, 10, RJR 1 to 5, 7 to 10, ML 1 and 2.

OWNER: MEDESTO EXPLORATION LTD., 215A — 10th Street NW., Calgary, Alta. T2N 1V5.

METALS: Lead, zinc, silver.

1977

(82K/16W)

DESCRIPTION: The claims are underlain by rocks of the Horsethief Creek Series of Early Precambrian age. Limestones, similar to those found on the nearby Ruth Vermont property, occur on these claims and similar mineralization has been located, both in surface exposures and diamond-drill cores.

WORK DONE: Drilling, 114 metres, H diameter core, covering RR 2 and 3; geochemical survey, 500 by 350-metre soil sampling grid, covering RR 2, 15, 17, 21; trenching, 110 metres by 5 metres, on RR 1-4.

REFERENCES: Mineral Inventory 82K/NE-10; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 52; Assessment Report 6257.

VG (Fig. E-1, NTS 82, No. 139)

LOCATION: Lat. 50° 47' Long. 116° 21' (82K/16W)
GOLDEN M.D. Eight kilometres southwest of Brisco, between Outlet and Frances Creeks, on the southwest flank of Steamboat Mountain.

CLAIMS: VG 1 to 6.

OWNER: M. K. SORENSEN, Box 6263, Station D, Calgary, Alta. T2P 2C8.

WORK DONE: One hundred and eighty-five shallow hole samples collected for mercury emanation testing.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 53; Assessment Report 5780.

VERNON 82L

COAL (Fig. E-1, NTS 82, No. 140)

LOCATION: Lat. 50° 05.5' Long. 118° 41' (82L/2E)
VERNON M.D. Twenty-six kilometres southeast of Lumby, at the headwaters of Coalgoat Creek.

CLAIMS: COAL 1 (20 units), COAL 2 (20 units).

OWNER: UNION OIL COMPANY OF CANADA LTD., 335 Eighth Avenue, Calgary, Alta.

DESCRIPTION: Tertiary unconsolidated stream sediments lie on a Mesozoic granitic basement are capped by plateau basalt flows.

WORK DONE: Surface geological mapping; airborne magnetometer survey, 101 kilometres; and airborne radiometric survey, 52 kilometres, covering both claims.

REFERENCE: Assessment Report 6638.

SUE (Fig. E-1, NTS 82, No. 142)

LOCATION: Lat. 50° 07' Long. 119° 04' (82L/2W, 3E)
VERNON M.D. Twenty-two kilometres southeast of Vernon, extending from Haddo Lake northeastward to Edwin Lake and Nicklen Creek.

1977

(82L/2W)

CLAIMS: SUE 1 to 15 (154 units).
OWNER: UNION CARBIDE CANADA LIMITED, 404, 1112 West Pender Street, Vancouver.
DESCRIPTION: Miocene basalts unconformably overlie granitic gneisses of the Proterozoic Monashee Group. The Monashee Group consists of granitic gneisses, migmatites, pegmatites, and highly metamorphosed sedimentary and volcanic rocks. Radioactivity in the gneisses ranges from background to 5 times background and grab samples have assayed as high as 8 ppm uranium.
WORK DONE: 1976 and 1977 — topographic map preparation and surface geological mapping, 1:10 000, covering all claims; road construction, 7 kilometres; percussion drilling, 24 holes totalling 1 170.4 metres, on Sue 5, 6, 8, and 15.
REFERENCE: Assessment Report 6540.

CONCO (Fig. E-1, NTS 82, No. 141)

LOCATION: Lat. 50° 09.5' Long. 118° 54' (82L/2W)
VERNON M.D. Ten kilometres south-southeast of Lumby, at and southeast of the confluence of Harris and Vidler Creeks.
CLAIMS: CONCO 1 (8 units), CONCO 2 (6 units).
OWNER: R. G. TURNER, Box 62, OK Mission, Kelowna.
WORK DONE: Linecutting, 14 kilometres, covering Conco 2.
REFERENCE: Assessment Report 6396.

TAI (Fig. E-1, NTS 82, No. 206)

LOCATION: Lat. 50° 10' Long. 118° 51' (82L/2W)
VERNON M.D. Approximately 13 kilometres east-southeast from Lumby, extending from the headwaters of Harris Creek, northerly to Creighton Creek.
CLAIMS: TAI 1 to 6 (totalling 108 units).
OWNER: R. S. Adamson.
OPERATOR: E&B EXPLORATIONS LTD., 3015 Shell Centre, 400 Fourth Avenue SW., Calgary, Alta.
DESCRIPTION: The claims are underlain by Eocene volcanic and sedimentary rocks.
WORK DONE: Prospecting; ground scintillometer survey; surface geological mapping; and geochemical survey, 329 soil samples analysed for uranium, covering Tai 2-6.
REFERENCE: Assessment Report 6595.

1977

(82L/2W)

VAL (Fig. E-1, NTS 82, No. 143)

LOCATION: Lat. 50° 11' Long. 118° 53' (82L/2W)
VERNON M.D. Ten kilometres southeast of Lumby, 2 kilometres up Vidler Creek from its junction with Harris Creek.

CLAIMS: VIDLER (12 units), VIDLER 2 (12 units), ARKOSE (6 units), ARKOSE 2 (20 units), ARKOSE 3 (1 unit), ARKOSE 4 (6 units).

OWNER: K. L. Daughtry & Associates Ltd.

OPERATOR: KERR ADDISON MINES LIMITED, 703, 1112 West Pender Street, Vancouver V6E 2S1.

METAL: Uranium.

DESCRIPTION: Minor and spotty mineralization occurs within arkosic sedimentary rocks or conglomerates at the base of the Eocene/Oligocene volcanic unit near the margin of a sedimentary/volcanic 'basin.'

WORK DONE: Surface diamond drilling, five BQ holes totalling 574.8 metres, on Vidler, Arkose, and Arkose 2; rotary drilling, two holes totalling 181 metres, on Arkose 2 and Vidler.

REFERENCES: Mineral Inventory 82L/SE-5; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 53, E 54; Assessment Reports 6341, 6376, 6560.

CLIER (Fig. E-1, NTS 82, No. 201)

LOCATION: Lat. 50° 13' Long. 118° 48' (82L/2W)
VERNON M.D. Thirteen and one-half kilometres east-southeast from Lumby, surrounding Creighton Valley post office.

CLAIMS: CLIER 1 to 5 (totalling 94 units).

OWNER: R. S. Adamson.

OPERATOR: E&B EXPLORATIONS LTD., 3015 Shell Centre, 400 Fourth Avenue SW., Calgary, Alta.

DESCRIPTION: The claims are located near the contact between Monashee and Cache Creek Groups of rocks.

WORK DONE: Surface geological mapping; ground radiometric survey; and geochemical survey, 5 silt, 40 water, 226 soil, and 2 rock samples analysed for uranium, covering Clier 1-5.

REFERENCE: Assessment Report 6596.

LEAL (Fig. E-1, NTS 82, No. 147)

LOCATION: Lat. 50° 02' Long. 119° 16' (82L/3)
VERNON M.D. Twenty-six kilometres south of Vernon, extending from Swalwell Lake southerly to Bulman Creek and westerly along Vernon Creek to the headwaters of Horse Creek.

CLAIMS: LEAL 1 to 8 (112 units).

OWNER: UNION CARBIDE CANADA LIMITED, 404, 1112 West Pender Street, Vancouver.

1977

(82L/3)

DESCRIPTION: A continuous sequence of Miocene plateau basalts up to 300 metres thick unconformably overlies granitic gneisses of the Proterozoic Monashee Group. No mineralization was intersected in any of the drill holes.

WORK DONE: 1976 — surface geological mapping, 1:10 000, covering all claims, and fission track etch survey, 85 cups, and linecutting, 8.2 kilometres, covering Leal 1, 2, 4, 7, and 8; 1977 — percussion drilling, eight holes totalling 472.4 metres, on Leal 1, 2, 4, 7, and 8.

REFERENCE: Assessment Report 6443.

KING (Fig. E-1, NTS 82, No. 145)

LOCATION: Lat. 50° 09' Long. 119° 15' (82L/3)
VERNON M.D. Thirteen kilometres south of Vernon, extending from 1 kilometre north of Oyama Lake northeasterly to King Edward Lake.

CLAIMS: KING 1 (16 units), KING 2 (18 units), KING 3 (18 units), KING 4 (12 units).

OWNER: KERR ADDISON MINES LIMITED, 703, 1112 West Pender Street, Vancouver V7T 2T3.

DESCRIPTION: An amygdaloidal, vesicular, breccia basalt capping is underlain by a series of sedimentary and fragmental rocks which are in turn underlain by basement gneiss.

WORK DONE: Surface geological mapping, 1:5000, covering all claims; surface diamond drilling, one NQ hole totalling 114.9 metres, on King 1.

ROD (Fig. E-1, NTS 82, No. 146)

LOCATION: Lat. 50° 01' Long. 119° 10' (82L/3E; 82E/14E)
VERNON M.D. Twenty-nine kilometres south of Vernon, extending from the headwaters of Bulman and Conroy Creeks south to Hereron Lake.

CLAIMS: ROD 3 (20 units), ROD 4 (18 units), ROD 5 (18 units), ROD 6 (18 units).

OWNER: KERR ADDISON MINES LIMITED, 703, 1112 West Pender Street, Vancouver V6E 2S1.

DESCRIPTION: The property is underlain by Monashee gneiss which is capped by Miocene sedimentary rocks.

WORK DONE: Surface geological mapping; radiometric survey; and geochemical survey, covering all claims.

FISSION (Fig. E-1, NTS 82, No. 119)

LOCATION: Lat. 50° 03' Long. 119° 07' (82L/3E; 82E/14E)
VERNON M.D. About 15 kilometres northeast of Kelowna, extending from Mugford and Hilda Creeks northward to 0.5 kilometre south of Haddo Lake.

1977

(82L/3E)

CLAIMS: FISSION 100, 200, 300, 400, 500, 600, 700, 800, 900 (totalling 158 units).

OWNER: Seaforth Mines Ltd.

OPERATOR: MATTAGAMI LAKE MINES LIMITED, 502, 8215 - 112th Street, Edmonton, Alta.

DESCRIPTION: The Monashee gneiss basement is capped by Tertiary basalt laying in valleys. Drilling revealed from 0 to over 80 metres of sediment (conglomerate, sandstone, judstone, ash) below the basalt. No anomalous radioactivity was detected.

WORK DONE: Surface geological mapping, 1:10 000; geochemical survey, 150 water samples and 20 soil samples; and radon survey, 125 readings, covering all claims; linecutting, 58 kilometres; magnetometer survey, 28 kilometres; and induced polarization survey, 47 kilometres, covering Fission 100-500; surface diamond drilling, two NQ holes totalling 241 metres on Fission 200, one NQ hole totalling 160 metres on Fission 300, and two NQ holes totalling 147 metres on Fission 400.

REFERENCE: Assessment Report 6435.

CRESCENT (Fig. E-1, NTS 82, No. 148)

LOCATION: Lat. 50° 08' Long. 119° 07' (82L/3E)
VERNON M.D. Seventeen kilometres southeast of Vernon and 0.5 kilometre north of Wilma Lake.

CLAIMS: CRESCENT 1 (20 units), CRESCENT 2 (12 units), CRESCENT 3 (15 units), CRESCENT 5 (12 units).

OWNER: KERR ADDISION MINES LIMITED, 703, 1112 West Pender Street, Vancouver V6E 2S1.

DESCRIPTION: Miocene sedimentary rocks comprising silts, sands, and grits underlie a basaltic layer.

WORK DONE: Surface diamond drilling, seven NQ holes totalling 893 metres, on all claims.

REFERENCES: Assessment Reports 6482, 6561.

OYAMA 1 (Fig. E-1, NTS 82, No. 144)

LOCATION: Lat. 50° 10' Long. 119° 07' (82L/3E)
VERNON M.D. Fifteen kilometres southeast of Vernon, at the headwater of Craster Creek.

CLAIM: OYAMA 1 (18 units).

OWNER: DU PONT OF CANADA EXPLORATION LIMITED, 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: Miocene plateau basalt unconformably overlies Cretaceous quartz monzonite and Monashee gneiss.

WORK DONE: Surface geological mapping, 1:5000, covering Oyama.

REFERENCE: Assessment Report 6624.

CHANNEL (Fig. E-1, NTS 82, No. 149)

LOCATION: Lat. 50° 10.5' Long. 119° 11' (82L/3E)
VERNON M.D. Nine kilometres south-southeast of Vernon, extending northeasterly from King Edward Lake to Brewer Creek.

CLAIMS: CHANNEL (20 units), CHANNEL 2 (10 units), CHANNEL 3 (6 units), CHANNEL 4 (6 units), CODY (16 units).

OWNER: K. L. Daughtry & Associates Ltd.

OPERATOR: KERR ADDISON MINES LIMITED, 703, 1112 West Pender Street, Vancouver V6E 2S1.

DESCRIPTION: Miocene sandstones and gravels are overlain by Miocene lavas and underlain by Monashee gneisses, the latter being intruded by Cretaceous granodiorite.

WORK DONE: Surface diamond drilling, two NQ holes totalling 256 metres, on Channel 1 and 2, and four NQ holes totalling 453.5 metres on Cody; rotary drilling, two holes totalling 106.8 metres on Cody.

REFERENCES: Assessment Reports 6408, 6483, 6487.

REEF (Fig. E-1, NTS 82, No. 54)

LOCATION: Lat. 50° 04' Long. 119° 19' (82L/3W)
VERNON M.D. Twenty kilometres south of Vernon and 4 kilometres east of Wood Lake, extending from Oyama Lake south along Clark Creek to Horse Creek.

CLAIMS: REEF 1 to 10 (totalling approximately 100 units).

OWNER: UNION OIL COMPANY OF CANADA LTD., 335 Eighth Avenue, Calgary, Alta.

METALS: Uranium, thorium, gold.

DESCRIPTION: Traces of uranium and thorium mineralization and placer gold occur in Tertiary unconsolidated stream gravels which overlie Mesozoic granite and are capped by plateau basalt.

WORK DONE: Surface geological mapping, 1:10 000; geochemical survey, 28 rock, 12 water, and 10 silt samples; ground scintillometer survey; airborne radiometric survey, 6 kilometres; and airborne magnetometer survey, 132 kilometres, covering all claims.

REFERENCE: Assessment Report 6631.

OYAMA 2, 3, 4, 6 (Fig. E-1, NTS 82, No. 154)

LOCATION: Lat. 50° 03' Long. 119° 36' (82L/4E)
VERNON M.D. Twelve kilometres north-northwest of Kelowna, between Lean-to and Bald Range Creeks.

CLAIMS: OYAMA 2 (20 units), OYAMA 3 (18 units), OYAMA 4 (20 units), OYAMA 6 (18 units).

OWNER: DU PONT OF CANADA EXPLORATION LIMITED, 102, 1550 Alberni Street, Vancouver V6G 1A5.

1977

(82L/4E)

DESCRIPTION: Eocene dacitic tuff, porphyritic andesite, and basalt overlie Eocene arenaceous sedimentary rocks which unconformably overlie Cretaceous quartz monzonite. A grab sample of Eocene sediments returned 0.017 per cent U_3O_8 .

WORK DONE: Surface geological mapping, 1:2500, covering Oyama 2 and 3; prospecting, on Oyama 6; percussion drilling, one hole totalling 91.4 metres, on Oyama 3 (unit 4).

TERRACE (Fig. E-1, NTS 82, No. 152)

LOCATION: Lat. $50^{\circ} 04'$ Long. $119^{\circ} 43.5'$ (82L/4E)
VERNON M.D. Twenty-six kilometres northwest of Kelowna, at the headwaters of Esperon Creek.

CLAIMS: TERRACE 1 (18 units), TERRACE 2 (18 units).

OWNER: AMOCO CANADA PETROLEUM COMPANY LTD., 2010, 65 Queen Street West, Toronto, Ontario.

METAL: Molybdenum.

DESCRIPTION: Minor molybdenite mineralization is hosted by pegmatitic dykes in a Jura/Cretaceous Coast Range intrusion. The rocks are generally of granodiorite to quartz monzonite composition.

WORK DONE: Surface geological mapping and geochemical survey, 600 soil samples analysed for copper and molybdenum, covering both claims.

OYAMA 5 (Fig. E-1, NTS 82, No. 155)

LOCATION: Lat. $50^{\circ} 07'$ Long. $119^{\circ} 38'$ (82L/4E)
VERNON M.D. Twenty-seven kilometres north-northwest of Kelowna, 1.5 kilometres north of Terrace Mountain.

CLAIM: OYAMA 5 (12 units).

OWNER: DU PONT OF CANADA EXPLORATION LIMITED, 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: Eocene dacitic tuff and porphyritic andesite unconformably overlie Cretaceous quartz monzonite.

WORK DONE: Prospecting, covering Oyama 5.

WHIT (Fig. E-1, NTS 82, No. 153)

LOCATION: Lat. $50^{\circ} 13'$ Long. $119^{\circ} 37'$ (82L/4E)
VERNON M.D. Twenty-five kilometres west-southwest of Vernon, on the south side of Whiteman Creek valley.

CLAIMS: WHIT 1 to 18, WHIT 19 (4 units), WHIT 20 (40 units), WHIT 21 (6 units), WHIT 22 (4 units), WHIT 23 (2 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 801, 161 Eglinton Avenue East, Toronto, Ontario M4P 1J5.

METALS: (Copper, molybdenum).

1977

(82L/4W)

- DESCRIPTION:** A Cretaceous (?) syenite pluton with hydrothermally altered zones is unconformably overlain by felsic and mafic volcanic rocks.
- WORK DONE:** Linecutting, 41.5 kilometres; surface geological mapping, 1:4800; geochemical survey, 1 343 soil, 28 silt, and 19 rock samples analysed for uranium, lead, zinc, and molybdenum; scintillometer survey, 684 readings over 41.5 kilometres; and radon gas scintillometry, 161 alphameter readings, covering Whit 19-23.
- REFERENCES:** Mineral Inventory 82L/SW-48; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 54; Assessment Reports 1039 (Pat), 5692, 6052, 6572.

CHROME VANADIUM (Fig. E-1, NTS 82, No. 151)

- LOCATION:** Lat. 50° 00' Long. 119° 52' (82L/4W)
NICOLA M.D. Thirty-one kilometres west-northwest of Kelowna, on Alocin Creek, 1 kilometre west of Eileen Lake.
- CLAIMS:** NANA (4 units), ROC (8 units).
- OWNER:** NICOLA COPPER MINES LTD., 616, 510 West Hastings Street, Vancouver V6B 1L8.
- METAL:** Chromium.
- DESCRIPTION:** Several small lenses of chromite, ranging from 3 metres by 0.3 metre to 15 centimetres by 3 centimetres, occur in serpentinized dunite. The dunite is part of a 180-metre-wide belt that strikes at 025 degrees. The belt extends from Cameo Lake in the south to the north limit of the showing on this property, a total known distance of approximately 5.5 kilometres.
- WORK DONE:** Surface geological mapping; geochemical survey; prospecting; grid establishment, 29.9 kilometres; and geophysical survey, 32.4 kilometres, covering Roc (8 units).
- REFERENCES:** Mineral Inventory 82L/SW-56; *Minister of Mines, B.C.*, Ann. Rept., 1929, p. 249; *Geol. Surv., Canada*, Mem. 296, pp. 154, 155; Assessment Report 168.

ALFY, BEAR (Fig. E-1, NTS 82, No. 150)

- LOCATION:** Lat. 50° 01' Long. 119° 47' (82L/4W)
VERNON M.D. Twenty-six kilometres west of Winfield, covering the western half of Whiterocks Mountain from Tadpole Lake to the head of Bit Creek.
- CLAIMS:** TAD 1 (16 units), TAD 2 (3 units), TAD 3 (10 units), TAD 4 (20 units), TAD 5 (30 units), TAD 6 (4 units).
- OWNER:** COMINCO LTD., 2200, 200 Granville Square, Vancouver.
- METALS:** Molybdenum, copper.
- DESCRIPTION:** Molybdenite and pyrite occur in quartz veinlets near the contact of argillite and a quartz porphyry stock. Chalcopyrite, pyrite, and magnetite occur in pyroxenite 1 500 metres to the southeast of the molybdenum area.

1977

(82L/6W)

WORK DONE: Surface geological mapping, 1:10 000 and 1:2 000, covering Tad 1-4; ground magnetometer survey, 16 kilometres, covering Tad 1, 3, and 4.

REFERENCES: Mineral Inventory 82L/SW-59; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 54, E 55; Assessment Reports 1896, 2255, 5341, 5568.

GOODENOUGH (HUGEL, HUD) (Fig. E-1, NTS 82, No. 157)

LOCATION: Lat. 50° 18' Long. 119° 28' (82L/6W)

VERNON M.D. Approximately 15 kilometres west-northwest of Vernon, on the north side of Naswhito Creek, 4 kilometres above its mouth at Okanagan Lake.

CLAIMS: SUPER (18 units), NOVA (18 units).

OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver.

METALS: Copper, iron.

DESCRIPTION: The principal mineralized rock type is a calcareous, cherty, basaltic tuff which is interbedded with quartz diorite porphyry, chert, cherty basaltic tuffite, chert breccia, augite basalt, basalt-andesite, and limestone. Mineralization consists of disseminated pyrite, chalcopyrite, magnetite, and minor bornite and chalcocite (?) with copper values up to 1.84 per cent over a few metres. The main mineralized unit is about 10 metres wide and at least 600 metres long.

WORK DONE: Surface geological mapping, 1:2000 and 1:10 000; ground magnetometer survey, 10.7 kilometres; and geochemical survey, 53 rock samples analysed for copper, silver, tungsten, and gold, covering both claims.

REFERENCES: Mineral Inventory 82L/SW-4, 18; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1969, p. 299; *Geol. Surv., Canada*, Mem. 296, pp. 144, 145; Assessment Reports 2042 (Hugel), 6404.

AU (Fig. E-1, NTS 82, No. 156)

LOCATION: Lat. 50° 25.5' Long. 119° 22.5' (82L/6W)

KAMLOOPS M.D. Nineteen kilometres north-northwest of Vernon, 3 kilometres west of Round Lake, between Gurney, Moffat, and Mann Creeks.

CLAIMS: AU 1 to 5, 7, 12, 19, AU 100 (6 units).

OWNER: KEDA RESOURCES (1973) LTD., 1, 219 Victoria Street, Kamloops.

METALS: Gold, silver, zinc, copper.

DESCRIPTION: The claims are underlain by rocks of the Permo/Triassic Cache Creek Group. At the two known showings, fine-grained pyrite, arsenopyrite, sphalerite, galena, and chalcopyrite occur in shear zones.

1977

(82L/7E)

WORK DONE: 1976 — surface geological mapping, 1:5000, and geochemical survey, 471 soil samples analysed for copper, lead, zinc, and gold, covering all claims; trenching, 360 metres on Au 2, 19 and 100 metres on Au 4; sampling and assaying of trenches, 13 samples for gold.

REFERENCES: Mineral Inventory 82L/SW-7; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 55; Assessment Reports 2516 (BJ), 4797, 5863, 6197.

A, CUZIN (Fig. E-1, NTS 82, No. 158)

LOCATION: Lat. 50° 25' Long. 118° 35' (82L/7E)

VERNON M.D. Thirty-one kilometres northeast of Lumby, at the headwaters of Ireland and Reiter Creeks, 3 kilometres west of Sugar Lake.

CLAIM: CUZIN (20 units).

OWNER: RIO TINTO CANADIAN EXPLORATION LIMITED, 615, 555 Burrard Street, Vancouver V7X 1M8.

METALS: Copper, lead, silver.

DESCRIPTION:

Surface mapping has shown the claim to be underlain by weakly metamorphosed sedimentary rocks that probably belong to the Mount Ida Group of the Shuswap Complex. Five distinct units have been identified. These include a feldspathic carbonate, a feldspathic gneiss, a quartz schist, an amphibolite, and a graphitic biotite schist. These strike northerly to northwesterly, and dip to the northeast.

Traces of sulphide mineralization, predominantly pyrrhotite and more rarely pyrite and chalcopyrite, have been found in all five units as thin lensoidal blebs that paralleled the bedding. The graphitic schist is the best mineralized unit.

WORK DONE: Line flagging, 40.2 kilometres; surface geological mapping, 1:5000; magnetometer survey, 40 kilometres; geochemical survey, 158 samples analysed for copper, lead, and zinc; electromagnetic survey, 5.2 kilometres; trenching, 11 trenches totalling 115 metres; and surface diamond drilling, one hole totalling 85 metres, on Cuzin.

REFERENCES: Mineral Inventory 82L/SE-18; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, pp. 101, 102.

CHERRY (Fig. E-1, NTS 82, No. 159)

LOCATION: Lat. 50° 17' Long. 118° 24' (82L/8W)

VERNON M.D. Fifteen kilometres east of the settlement of Cherryville, on the south side of Cherry Creek, immediately southwest of the confluence of Cherry Creek and Severide Creek.

CLAIMS: CHERRY 1 (20 units), CHERRY 2 (16 units), CHERRY 3 (16 units), CHERRY 4 (12 units).

OWNER: J. R. WOODCOCK CONSULTANTS LTD., 1521 Pemberton Avenue, North Vancouver V7P 2S3.

1977

(82L/10E)

WORK DONE: Geochemical survey, 40 soil and silt samples; electromagnetic survey, 2 kilometres, covering Cherry 1-3.

REFERENCE: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 56.

KINGFISHER, BRIGHT STAR (Fig. E-1, NTS 82, No. 160)

LOCATION: Lat. 50° 44' Long. 118° 44' (82L/10E)

VERNON M.D. Twenty kilometres southeast of Sicamous, 9 kilometres west of the head of Mabel Lake, on Kingfisher Creek.

CLAIMS: 2-post claims: FX 1 to 22, 24, 25, FC 1 to 9, 12, FC 10 and 11 Fractions, R 1, A 1 to 19, D 1 to 3, 5 to 10, LM 1-3, 8, 10, 12, 16-18, MC 2, 4, 6, 17, M 2, 4, 5, 7, EX 2, 5; modified grid claims: MILE 12 (18 units), COMINCO, CENTRAL, RIDGE, MILE 8, NORTH.

OWNER: Colby Mines Limited.

OPERATOR: UNION OIL COMPANY OF CANADA LTD., Box 999, Calgary, Alta T2P 2K6.

METALS: Zinc, lead.

DESCRIPTION: Stratiform sphalerite-galena occurs with pyrrhotite in a central marble unit in silicate gneisses and quartzites.

WORK DONE: 1976 — surface diamond drilling, eleven AQ holes totalling 570 metres, on FX 21, 22; 1977 — surface geological mapping, 1:5000, covering all claims, and 1:500 (grid area), covering FX 2-4, 21, 22 and FC 4, 10 Fraction, 11 Fraction; geochemical survey, approximately 1 200 soil and silt samples analysed for lead and zinc, covering all claims; surface diamond drilling, seven BQ holes totalling 818 metres, on FX 2, 4, 21 and FC 10 Fraction.

REFERENCES: Mineral Inventory 82L/NE-4 to 9; *B.C. Ministry of Mines & Pet. Res.*, Geology in B.C., 1975, pp. 18-30; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 54; Assessment Reports 578, 579, 2169, 4933, 4945, 6214, 6254, 6551.

GOAT A (Fig. E-1, NTS 82, No. 161)

LOCATION: Lat. 50° 43' Long. 119° 08' (82L/11E)

KAMLOOPS M.D. Ten kilometres east of Salmon Arm, at the headwaters of Violet Creek, 2.5 kilometres northwest of Mara Meadows.

CLAIM: GOAT A (9 units).

OWNER: BILL MERONIUK, RR 5, Baker Hogg Road, Vernon.

WORK DONE: Basting, trenching, and stripping, covering Goat A.

DENT (Fig. E-1, NTS 82, No. 162)

LOCATION: Lat. 50° 35' Long. 119° 53' (82L/12W)

KAMLOOPS M.D. Thirty-four kilometres east-southeast of Kamloops, on the east side of Monte Creek opposite Duck Meadow.

1977

(82L/13W)

CLAIMS: DENT 1 (16 units), DENT 2 (20 units).
OWNER: LACANA MINING CORPORATION, 312, 409 Granville Street, Vancouver.
DESCRIPTION: The claims were staked to cover high uranium water anomalies revealed by work of the Geological Survey of Canada in the area. All rocks seen were massive Kamloops Group volcanic rocks, basalts, and tuffs.
WORK DONE: Linecutting, 16 kilometres; geochemical survey, 160 soil samples and 20 water samples analysed for uranium; and scintillometer prospecting, 25 kilometres, covering both claims.

LESLIE (Fig. E-1, NTS 82, No. 223)

LOCATION: Lat. 50° 59' Long. 119° 56' (82L/13W)
KAMLOOPS M.D. Adams Plateau, 25 kilometres northwest of Chase, covering Mount Leslie.
CLAIMS: LESLIE 1 (12 units), LESLIE 2 (20 units), LESLIE 3 (8 units), LESLIE 4 (9 units).
OWNERS: PACIFIC CASSIAR MINES LTD., VESTOR EXPLORATIONS LTD., and SEAFORTH MINES LTD., 202, 11111 — 87th Avenue, Edmonton, Alta. T6G 0X9.
DESCRIPTION: The property was located to cover an area targeted by anomalous zinc and copper values in stream sediments. The lithologies are metavolcanic rocks, cherts, and limestones of the Fennell Formation.
WORK DONE: Stream sediment sampling, 400-metre sample spacing for regional survey followed by 200-metre by 100-metre spacing for detailed survey.

AL, BR (Fig. E-1, NTS 82, No. 199)

LOCATION: Lat. 50° 57' Long. 119° 41' (82L/13E)
KAMLOOPS M.D. Two kilometres south of the Adams Lake post office.
CLAIMS: AL 1 and BR 1 and 2 (totalling 40 units).
OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops.
WORK DONE: Geochemical soil survey, covering all claims.
REFERENCE: Assessment Report 6588.

SCOTCH (Fig. E-1, NTS 82, No. 163)

LOCATION: Lat. 50° 58' Long. 119° 30' (82L/13E, 14W)
KAMLOOPS M.D. Twenty kilometres northeast of Chase, extending east and west of Corning Creek, 6 kilometres north of the north shore of Shuswap Lake.
CLAIMS: SCOTCH (15 units), SC 1 (18 units), SC 2 (18 units), SC 3 (15 units), SC 4 (18 units), SC 5 (6 units), SC 6 (9 units), SC 7 (20 units).
OWNER: Brican Resources Ltd.

1977

(82L/14)

OPERATOR: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops V2C 2E2.

METALS: Copper, zinc.

DESCRIPTION: Disseminated and some massive sulphide mineralization occurs near the base of the ignimbrite (lowest) unit of the Eagle Bay Formation.

WORK DONE: Geochemical survey, 300 soil samples analysed for copper, lead, and zinc; magnetometer survey, 15 kilometres; and electromagnetic survey, 15 kilometres, covering SC 1; surface diamond drilling, four holes totalling 509 metres, on Scotch.

REFERENCES: Mineral Inventory 82L/NW-46; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 57; Assessment Reports 6237, 6419.

BM (Fig. E-1, NTS 82, No. 169)

LOCATION: Lat. 50° 51' Long. 119° 15' (82L/14)
KAMLOOPS M.D. Seventeen kilometres north of Salmon Arm, south of White Lake and west of Reinecker Creek.

CLAIMS: BM 1 (15 units), BM 2 (15 units).

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops V2C 2E2.

METALS: (Copper, zinc, lead).

DESCRIPTION: Minor mineralization occurs within the lower unit of the Eagle Bay Formation and the upper part of the Sicamous Formation.

WORK DONE: Geochemical survey, 500 soil samples; magnetometer survey, 24 kilometres; and electromagnetic survey, 24 kilometres, covering both claims.

WL (Fig. E-1, NTS 82, No. 166)

LOCATION: Lat. 50° 54.5' Long. 119° 14.5' (82L/14)
KAMLOOPS M.D. Twenty-three kilometres north of Salmon Arm, midway between Shuswap Lake and White Lake.

CLAIMS: WL 1 (8 units), WL 2 (16 units), WL 3 (6 units).

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops V2C 2E2.

DESCRIPTION: The property is underlain by siliceous tufas, andesite, and limestone of the middle part of the Eagle Bay Formation.

WORK DONE: Geochemical survey, 600 soil samples; magnetometer survey, 30 kilometres; electromagnetic survey, 30 kilometres; and surface geological mapping, 1:5000, covering WL 1 and 2.

REFERENCES: Assessment Reports 3036, 6589.

1977

(82L/14W)

PC (Fig. E-1, NTS 82, No. 168)

LOCATION: Lat. 50° 55' Long. 119° 18' (82L/14W)
KAMLOOPS M.D. Thirty-four kilometres north of Salmon Arm, on Shuswap Lake, extending westward from the headwaters of Pari Creek.

CLAIMS: PC 1 (20 units), PC 2 (20 units).

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops V2C 2E2.

DESCRIPTION: The property is underlain by rhyolite, siliceous tufas, andesite, and limestone of the lower and middle parts of the Eagle Bay Formation.

WORK DONE: Geochemical survey, 800 soil samples; magnetometer survey, 40 kilometres; electromagnetic survey, 40 kilometres; and surface geological mapping, 1:5000, covering PC 1 and 2.

REFERENCE: Assessment Report 6594.

KING JAMES (Fig. E-1, NTS 82, No. 167)

LOCATION: Lat. 50° 58.5' Long. 119° 29' (82L/14W)
KAMLOOPS M.D. Thirty-three kilometres north-northwest of Salmon Arm, on Scotch Creek, 8 kilometres north of the Scotch Creek post office.

CLAIM: KING JAMES (1 unit).

OPERATOR: CLEVELAND S. LOWRY, 253 Clifton Road North, Kelowna V1V 1A2.

METALS: Lead, zinc, silver.

DESCRIPTION: Quartz veins in greenschists dip gently southwesterly and strike northwest. The estimated width of the vein system is about 30 metres. The veins are apparently an extension of those on the Silver King and Silver Queen claims.

WORK DONE: Prospecting, electromagnetic survey (four short lines), reconnaissance geochemical survey, and trenching (approximately 30 metres), covering King James.

REFERENCES: Mineral Inventory 82L/NW-44; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 55; Assessment Report 5452.

BIG J (Fig. E-1, NTS 82, No. 165)

LOCATION: Lat. 50° 48' Long. 119° 02' (82L/14E)
KAMLOOPS M.D. Twenty kilometres northeast of the community of Salmon Arm, between Shuswap Lake and Mara Lake, 2.5 kilometres northeast of Annis Bay.

CLAIMS: BIG J (9 units), JEFF (3 units).

OWNER: Jaffer Hussein.

OPERATOR: GRANGES EXPLORATION AKTIEBOLAG, 1060, 1055 West Hastings Street, Vancouver.

WORK DONE: Linecutting, 25.2 kilometres and electromagnetic survey, 23.5 kilometres, covering both claims.

REFERENCE: Assessment Report 6621.

1977

(82L/14E)

NN (SCIMITAR) (Fig. E-1, NTS 82, No. 164)

LOCATION: Lat. 50° 53' Long. 119° 08' (82L/14E)
KAMLOOPS M.D. Eleven kilometres west-northwest of Sicamous Arm, midway between White Lake to the west and Shuswap Lake to the east.

CLAIMS: NN 1 (15 units), NN 2 (10 units), NN 3 (12 units), NN4 (9 units), NN 5 (9 units).

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops V2C 2E2.

METALS: Copper, zinc, lead.

DESCRIPTION: The property is underlain by rhyolites, siliceous tufas, andesite, and limestone of the middle and upper parts of the Eagle Bay Formation.

WORK DONE: Geochemical survey, 700 soil samples; magnetometer survey, 35 kilometres; electromagnetic survey, 35 kilometres; and surface geological mapping, 1:5000, covering NN 1, 2, 4, and 5.

REFERENCES: Mineral Inventory 82L/NW-43; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 83; Assessment Report 6591.

SEYMOUR ARM 82M

ERIC (Fig. E-1, NTS 82, No. 171)

LOCATION: Lat. 51° 14' Long. 118° 06' (82M/1E)
REVELSTOKE M.D. Twenty-six kilometres north of Revelstoke, on the north side of a west-flowing tributary of La Forme Creek.

CLAIMS: Reverted Crown grants: FLORA BELL, GRAND VIEW, MORNING STAR, EUREKA, EASTERN STAR (Lots 9122 to 9125) and ERIC 2, A&E 6 FR., ERIC 4, ERIC 8 (Lots 15617 to 15619 and 15634).

OWNER: LEMANS RESOURCES LTD., 101, 325 Howe Street, Vancouver V6C 1Z7.

METALS: Lead, zinc, silver.

DESCRIPTION: Schists, phyllites, and greenstones of the Hamill Group form a sheared contact with limestone of the Badshot Formation.

WORK DONE: Geochemical survey, 68 soil samples analysed for lead and zinc, covering Flora Bell, Grand View, A&E 6 Fr., and Eric.

REFERENCES: Mineral Inventory 82M-6; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 56; Assessment Reports 5724, 6522.

COPPER QUEEN (S) Fig. E-1, NTS 82, No. 172)

LOCATION: Lat. 51° 15' Long. 118° 10' (82M/1E, 8E)
REVELSTOKE M.D. Twenty-seven kilometres north of Revelstoke, on the east side of the Columbia River, between La Forme and Carnes Creeks.

CLAIMS: CC 1 to 9 (totalling 111 units), JILL (10 units), JACK (10 units).

1977

(82M/3W, 4E)

OWNER: KERR ADDISON MINES LIMITED, 703, 1112 West Pender Street, Vancouver V6E 2S1.

METALS: Copper, zinc.

DESCRIPTION: Traces of chalcopryite, sphalerite, and pyrite occur within massive metavolcanic rocks, schistose amphibolite, and altered limestone.

WORK DONE: Surface diamond drilling, four BQ holes totalling 775.3 metres on CC 9 (units 13 and 14).

REFERENCES: Mineral Inventory 82M-4; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 58; Assessment Report 6235.

CU (Fig. E-1, NTS 82, No. 174)

LOCATION: Lat. 51° 00.2' Long. 119° 30.05' (82M/3W, 4E)
KAMLOOPS M.D. Adams Plateau, 12 kilometres south of Pisima Mountain, between the headwaters of Bowler and China Creeks, 3 kilometres west of Scotch Creek.

CLAIMS: ZINC (6 units), BC 1 (2 units), BC 2 (16 units), BC 3 (16 units).

OWNER: Orell Copper Mines Ltd.

OPERATOR: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops.

METALS: Silver, lead, zinc, copper.

DESCRIPTION: Massive sulphide mineralization occurs as chalcopryite, pyrrhotite, magnetite, and sphalerite in rhyolitic and andesitic volcanic rocks.

WORK DONE: Surface geological mapping, 1:5000, covering all claims; drilling, seven holes totalling 642 metres, on Zinc (units 1-6) and BC 2; linecutting.

REFERENCES: Mineral Inventory 82M-138; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 59; Assessment Reports 5132 (CU), 6313.

RED, FIR (Fig. E-1, NTS 82, No. 173)

LOCATION: Lat. 51° 05' Long. 119° 24' (82M/3W)
KAMLOOPS M.D. Sixty kilometres south-southeast of Vavenby, 3 kilometres east-southeast of the confluence of Cross and Kwikoit Creeks.

CLAIMS: RED (6 units), DON (2 units), FIR (3 units), PAT (2 units), JOE (3 units), JIM (6 units).

OWNER: ORELL COPPER MINES LTD., Box 457, Salmon Arm V0E 2T0.

METALS: Silver, lead.

WORK DONE: Linecutting and geochemical survey, samples analysed for lead, zinc, and silver, covering Red, Don, Fir, Jim; diamond drilling, 18.3 metres, on Red.

REFERENCES: Mineral Inventory 82M-154; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 59; Assessment Reports 2776 (Marge), 6388.

1977

(82M/4)

AR (Fig. E-1, NTS 82, No. 181)

LOCATION: Lat. $51^{\circ} 01'$ Long. $119^{\circ} 45'$ (82M/4)
KAMLOOPS M.D. On the west side of Adams Lake, 5 kilometres south of Skwaam Bay.

CLAIM: AR 1 (16 units).

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops.

METALS: Copper, zinc.

DESCRIPTION: Disseminated and massive sulphides, mostly pyrrhotite with a little chalcopyrite, occur within tuffaceous zones, partly skarn, at the base of the Eagle Bay Formation.

WORK DONE: Surface geological mapping, 1:5000; magnetic survey, 10 kilometres; electromagnetic survey, 10 kilometres; and geochemical survey, 200 soil samples, covering AR 1.

MP (Fig. E-1, NTS 82, No. 198)

LOCATION: Lat. $51^{\circ} 02'$ Long. $119^{\circ} 30.5'$ (82M/4E)
KAMLOOPS M.D. East of Adams Lake, 8 kilometres due south from Pisima Mountain.

CLAIM: MP (4 units).

OWNER: PAMEX MINES LTD., 1024, 355 Burrard Street, Vancouver.

WORK DONE: Prospecting.

REFERENCE: Assessment Report 6587.

AXL 3 (Fig. E-1, NTS 82, No. 175)

LOCATION: Lat. $51^{\circ} 02'$ Long. $119^{\circ} 37'$ (82M/4E)
KAMLOOPS M.D. Adams Plateau, 2 kilometres south of Nikwikaia Lakes.

CLAIM: AXL 3 (15 units).

OWNER: FARRAH RESOURCES LTD., 404, 850 West Hastings Street, Vancouver.

WORK DONE: Ground magnetometer survey, 19.8 kilometres and geochemical survey, 43 silt samples and 8 soil samples analysed for silver, lead, and zinc, covering AXL 3.

REFERENCE: Assessment Report 6546.

HILTEC (Fig. E-1, NTS 82, No. 213)

LOCATION: Lat. $51^{\circ} 03'$ Long. $119^{\circ} 32'$ (82M/4E)
KAMLOOPS M.D. Adams Plateau, 6 kilometres south of Pisima Mountain, east of Nikwikaia Creek and at the headwaters of Sparkle Creek.

CLAIM: HILTEC 1&2 (2 units).

OWNER: A. HILTON, 2236 Greenfield Avenue, Kamloops.

1977

(82M/4E)

METALS: Lead, silver, zinc, gold.

DESCRIPTION: The sedimentary and metamorphic rocks of the area have been intruded by granite, granodiorite, and porphyry dykes. There are replacement zones of galena, sphalerite, chalcopyrite, pyrite, and pyrrhotite mineralization throughout the sedimentary and metamorphic rocks. The most common host rocks are chloritic schist, argillaceous limestone, and greenstone.

WORK DONE: Prospecting; grid establishment over an area of 1 000 metres by 500 metres with 50-metre stations; surface geological mapping, 1:1200; geochemical work, 60 samples analysed for silver, zinc, lead, and copper and two rock samples analysed; electromagnetic survey, 7.5 kilometres; and trenching, five trenches totalling 75 metres, on Hilted 1&2.

REFERENCES: Mineral Inventory 82M-16; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 146 (Garnet, etc.); *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 85 (Mosquito King).

OCT (Fig. E-1, NTS 82, No. 185)

LOCATION: Lat. 51° 03' Long. 119° 35' (82M/4E)

KAMLOOPS M.D. Adams Plateau, from the headwaters of Spillman Creek southeastward to Bowler Creek and north to Gilfrid Lake.

CLAIMS: OCT 1 to 6 (110 units), OC 1 to 4 (65 units), AXL 1 (20 units).

OWNERS: G. C. Gutrath and N. Newsom.

OPERATOR: IMPERIAL OIL LIMITED, 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Silver, lead, zinc.

DESCRIPTION: Most of the area is underlain by a sedimentary-volcanic complex of Permian or earlier age, including greenstones, chlorite schists, phyllites, limestones, quartzites, and volcanic agglomerates. The surveyed area apparently covers several silver-lead-zinc occurrences.

WORK DONE: Airborne magnetometer survey, 3 890 kilometres and airborne electromagnetic survey, 3 890 kilometres, covering all claims plus surrounding area.

REFERENCES: Mineral Inventory 82M-13, 18, 68; Assessment Report 6513.

AXL 2 (Fig. E-1, NTS 82, No. 183)

LOCATION: Lat. 51° 03' Long. 119° 38' (82M/4E)

KAMLOOPS M.D. Adams Plateau, surrounding Nikwikaia Lakes.

CLAIM: AXL 2.

OWNER: TRI-STAR RESOURCES LTD., 510, 850 West Hastings Street, Vancouver.

DESCRIPTION: Most of the claim is underlain by Permian or earlier greenstones and chlorite schists, interbedded with related phyllites and limestones. Disseminated pyrite occurs in the chlorite schists.

1977

(82M/4E)

WORK DONE: Surface geological mapping, 1:5000; ground magnetometer survey, 23.8 kilometres; and geochemical survey, 25 soil samples and 43 silt samples analysed for silver, lead, and zinc, covering AXL 2.

REFERENCES: Assessment Reports 2616 (Ram), 6546, 6549.

MK, ORO (Fig. E-1, NTS 82, No. 180)

LOCATION: Lat. 51° 04' Long. 119° 31' (82M/4E)

KAMLOOPS M.D. Adams Plateau, 5 kilometres south-southeast of Pisima Mountain, east of the headwaters of Nikwikaia Creek.

CLAIMS: MK 1 (20 units), MK 2 (10 units), MK 3 (12 units), MK 4 (4 units), A 1-1, A 2-1, FOX (4 units).

OWNER: Orell Copper Mines Ltd.

OPERATOR: CRAIGMONT MINES LIMITED, 1270, 180 Seymour Street, Kamloops.

METALS: Silver, lead, zinc, copper.

DESCRIPTION: Massive galena-sphalerite zones occur conformably within a thick siliceous tufa member of the Eagle Bay Formation.

WORK DONE: Surface geological mapping, 1:5000, covering all claims; Linecutting; electromagnetic survey, 57 kilometres; magnetometer survey, 57 kilometres; and geochemical survey, 1 140 soil samples analysed for lead, zinc, and copper, covering all claims except MK 3; diamond drilling, seven holes totalling 412 metres.

REFERENCES: Mineral Inventory 82M-16, 140; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 146 (Garnet, etc.); *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 85 (Mosquito King); 1974, p. 96; Assessment Reports 45, 3220, 4932, 5176, 6349, 6420.

EX 1, SPAR (Fig. E-1, NTS 82, No. 176)

LOCATION: Lat. 51° 03' Long. 119° 33' (82M/4E)

KAMLOOPS M.D. Adams Plateau, 5 kilometres south-southwest of Pisima Mountain, on the west side of Nikwikaia Creek.

CLAIMS: SPAR 1 and 2, WILLI (4 units), K (4 units), VK (2 units).

OWNER: Pamex Mining Ltd.

OPERATOR: HESCA RESOURCES LTD., 1024, 355 Burrard Street, Vancouver.

METALS: Lead, zinc, silver, copper.

DESCRIPTION:

The Spar claim group is underlain by a band of grey to brown, limy phyllites with minor interbanded sericitic quartzite, limestone, and chloritic metavolcanic rocks. The band has a general east-west trend and dips gently to the north.

Massive sulphide mineralization consisting of galena and sphalerite with lesser amounts of chalcopryrite, pyrite, and pyrrhotite is localized in the crests of dragfolds in a multiple folded silicified chloritic phyllite. The central portion of the zone is composed primarily of massive galena and is well exposed in the face of a short adit. The massive

1977

(82M/4W)

mineralization is bordered by a 'fringe' zone of galena, sphalerite, pyrite, and pyrrhotite concentrated on the crests of a series of dragfolds. The axis of the fold structures strikes south 60 degrees west and have a flat dip. The crests of the folds plunge at 10 degrees to the southwest. The overall mineralized zone has been traced in an open cut and the short tunnel for approximately 23 metres and over a maximum thickness of 15 metres and a width of 15 metres before being obscured by overburden.

It is believed that the mineralization is stratabound and was originally flat lying in a more siliceous or silicified unit that has been folded and metamorphosed resulting in the migration and concentration of the sulphide minerals along the crests of the folds.

WORK DONE: Drilling, eight vertical holes totalling approximately 245 metres on Spar 1.

REFERENCES: Mineral Inventory 82M-17; *B.C. Ministry of Mines & Pet. Res.*, 1976, p. E 60; Assessment Report 6645.

NC (Fig. E-1, NTS 82, No. 177)

LOCATION: Lat. 50° 04' Long. 119° 51' (82M/4W)
KAMLOOPS M.D. Sixty kilometres south of Vavenby, at the headwaters of Homestake Creek, 4 kilometres west-southwest of Skwaam Bay.

CLAIMS: NC 1 and 2 (totalling 36 units).

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops.

DESCRIPTION: The property is underlain by rhyolite, graphitic argillite, andesite, and possibly tufa of the middle Eagle Bay Formation and by Tshinikin limestone.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey; magnetic survey, 26 kilometres; and electromagnetic survey, 26 kilometres, covering both claims.

McGILLIVRAY (LUCKY COON) (Fig. E-1, NTS 82, No. 170)

LOCATION: Lat. 51° 05' Long. 119° 37' (82M/4E)
KAMLOOPS M.D. Seven kilometres west-southwest of Pisima Mountain, on Spillman Creek.

CLAIMS: ELSIE, BILLY, WHITE SWAN, GOLDEN EAGLE, LUCKY COON, LAST CHANCE (Lots 5227 to 5232).

OWNERS: J. Lux and V. Finch.

OPERATOR: DEL SIMMONS, Box 456, Vernon.

METALS: Silver, lead, zinc.

DESCRIPTION: The area is underlain by a thick series of sedimentary rocks composed of argillites with local thin beds of limestone and sandstone. The mineralization occurs as a replacement deposit, with narrow slightly lenticular layers of sulphides and silicified rocks occurring in the limy schists, phyllites, and greenstone schists.

WORK DONE: Stripping, 1 200 metres on White Swan and 900 metres on Lucky Coon.

REFERENCES: Mineral Inventory 82M-12; *Minister of Mines, B.C.*, Ann. Rept., 1949, p. 132; Assessment Report 1636.

1977

(82M/4W)

BU (Fig. E-1, NTS 82, No. 184)

LOCATION: Lat. $51^{\circ} 00.5'$ Long. $119^{\circ} 50'$ (82M/4W)
KAMLOOPS M.D. On Bush Creek, 8 kilometres southwest of Skwaam Bay of Adams Lake.

CLAIMS: BU 1 (20 units), BU 2 (20 units).

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops.

METALS: (Lead, copper, zinc).

DESCRIPTION: Minor mineralization occurs at the base of the Eagle Bay Formation, which at this point is andesitic and in the upper part of the Sicamous Formation.

WORK DONE: Surface geological mapping, 1:5000 and geochemical survey, 700 soil samples, covering both claims.

PINE (Fig. E-1, NTS 82, No. 179)

LOCATION: Lat. $51^{\circ} 02'$ Long. $119^{\circ} 48'$ (82M/4W)
KAMLOOPS M.D. Sixty-two kilometres south of Vavenby, at the headwaters of Cicero Creek, 5 kilometres southwest of Skwaam Bay.

CLAIMS: CI 1 (12 units), CI 2 (20 units).

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops.

METALS: Copper, zinc.

DESCRIPTION: Disseminated sulphides, mostly pyrrhotite, occur in siliceous tufa within the Eagle Bay Formation.

WORK DONE: Geochemical survey, 460 soil samples; magnetic survey, 8 kilometres; and electromagnetic survey, 8 kilometres, covering both claims.

REFERENCES: Mineral Inventory 82M-120; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 87.

SANDY (Fig. E-1, NTS 82, No. 222)

LOCATION: Lat. $51^{\circ} 04'$ Long. $119^{\circ} 50'$ (82M/4W)
KAMLOOPS M.D. Sixty kilometres south of Vavenby, 3 kilometres west-southwest of Skwaam Bay on the west side of Adams Lake.

CLAIMS: SANDY (12 units).

OWNER: IMPERIAL OIL LIMITED, 314, 1281 West Georgia Street, Vancouver.

WORK DONE: Ground magnetometer and ground electromagnetic surveys, 5 kilometres.

FM (Fig. E-1, NTS 82, No. 178)

LOCATION: Lat. $51^{\circ} 04'$ Long. $119^{\circ} 56'$ (82M/4W)
KAMLOOPS M.D. Sixty kilometres south of Vavenby, east of and on Mount Fademar.

CLAIMS: FM 1 (20 units), FM 2 (8 units).

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops.

1977

(82M/5E)

DESCRIPTION: The property is underlain by rhyolite, graphitic argillite, andesite, and tufas of the Eagle Bay Formation, overlying or intruded by ultrabasic rocks.

WORK DONE: Geological mapping, 1:500; geochemical survey, 740 samples analysed for copper, zinc, and lead; electromagnetic survey, 37 kilometres; and magnetometer survey, 37 kilometres, covering both claims.

BEAR (Fig. E-1, NTS 82, No. 188)

LOCATION: Lat. 51° 17' Long. 119° 43' (82M/5E)

KAMLOOPS M.D. Two kilometres southeast of East Barriere Lake, on John and Fission Creeks.

CLAIMS: BEAR 1 (3 units), BEAR 2 (6 units).

OWNERS: Robert Fennell and J. M. Fennell.

OPERATOR: MARSTON FENNELL, Barriere.

WORK DONE: Prospecting, covering both claims.

REFERENCE: Assessment Report 6473.

T, SNAKE EYES (Fig. E-1, NTS 82, No. 189)

LOCATION: Lat. 51° 27' Long. 118° 50' (82M/7W)

KAMLOOPS M.D. Sixty-eight kilometres north-northeast of Revelstoke, 4 kilometres east of the Seymour River, between Blais Creek and the northwest slope of Mount Grace.

CLAIMS: T (20 units), SNAKE EYES (10 units), BLACK JACK (6 units), COTTON (6 units).

OWNER: United Mineral Services Ltd.

OPERATORS: METALLGESELLSCHAFT CANADA LIMITED, 824, 602 West Hastings Street, Vancouver and CYPRUS ANVIL MINING CORPORATION, 330, 355 Burrard Street, Vancouver.

METALS: Lead, zinc, silver, (copper).

DESCRIPTION: The mineralization comprises predominantly stratabound, massive to disseminated lead-zinc mineralization in a carbonate-rich sequence of the Shuswap Complex. Three types of sulphide horizons can be categorized as: (a) massive sulphide, (b) rhythmic layers of ore minerals and carbonates/silicates, and (c) disseminated sulphides. Minerals present are sphalerite, galena, pyrrhotite, and magnetite with rare chalcopyrite and pyrite.

WORK DONE: 1976 — magnetometer survey, 14.5 kilometres, covering T, Black Jack, and Cotton; collecting of rock samples for seismic testing; 1977 — surface geological mapping, 1:5000; linecutting, 24 kilometres; and induced polarization survey, 9 kilometres, covering T, Snake Eyes, and Cotton.

REFERENCES: Mineral Inventory 82M-153; *B.C. Ministry of Mines & Pet. Res., Exploration in B.C., 1976*, p. E 64; Assessment Reports 486, 958, 1768, 2637, 4367, 6207.

COMPLEX, COPPER KING (Fig. E-1, NTS 82, No. 190)

LOCATION: Lat. $51^{\circ} 28'$ Long. $118^{\circ} 50'$ (82M/7W)
 KAMLOOPS M.D. Twenty-six kilometres north-northeast of the settlement of Seymour Arm, 4 kilometres east of the confluence of Blais Creek and Seymour River, immediately south of Blais Creek.

CLAIMS: VEGAS (9 units), NEVADA (6 units).

OWNERS: George Adams and Les Adams.

OPERATORS: METALLGESELLSCHAFT CANADA LIMITED, 824, 602 West Hastings Street, Vancouver and CYPRUS ANVIL MINING CORPORATION, 330, 355 Burrard Street, Vancouver.

METALS: Lead, zinc, silver, (copper).

DESCRIPTION: Magnetite, galena, sphalerite, and pyrrhotite, with rare chalcopyrite and pyrite, occur in garnetiferous, calcareous, biotite schist.

WORK DONE: Surface geological mapping, 1:5000; linecutting, 3.5 kilometres; and induced polarization survey, 1.5 kilometres, covering both claims.

REFERENCES: Mineral Inventory 82M-125; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 64; Assessment Reports 486, 958, 1768, 2637, 4367, 5952, 5953, 6377.

SEYMOUR (Fig. E-1, NTS 82, No. 191)

LOCATION: Lat. $51^{\circ} 29'$ Long. $118^{\circ} 50'$ (82M/7W)
 KAMLOOPS M.D. Thirty kilometres north-northeast of the settlement of Seymour Arm, 5 kilometres northeast of the confluence of Blais Creek and Seymour River, on the headwaters of Blais Creek.

CLAIMS: SEYMOUR 1 (20 units), SEYMOUR 2 (12 units), SEYMOUR 3 (16 units), SEYMOUR 4 (16 units).

OWNER: J. R. WOODCOCK CONSULTANTS LTD., 1521 Pemberton Avenue, North Vancouver V7P 2S3.

METALS: Copper, lead, zinc.

DESCRIPTION: Copper, lead, and zinc mineralization occurs as small lenses associated with quartz in limestone of the Shuswap Complex.

WORK DONE: Prospecting; surface geological mapping, 1:5000, covering Seymour 1 and 2; geochemical survey, 220 silt and soil samples analysed for copper, lead, and zinc, covering all claims.

STANDARD (Fig. E-1, NTS 82, No. 193)

LOCATION: Lat. $51^{\circ} 22'$ Long. $118^{\circ} 15'$ (82M/8)
 REVELSTOKE M.D. Forty-one kilometres north of Revelstoke, covering Standard Peak.

CLAIMS: STANDARD 1 (12 units), STANDARD 2 (9 units), STANDARD 3 (20 units), STANDARD 4 (15 units) plus STANDARD, MONITOR, COMMANDER, WINNIBAGO, CONTRACTOR, IRON HILL,

1977

(82M/8W)

DENVER FR., BUTTE FR., IRON CHEST, BLACK BEAR, and CRITERION (Lots 6944 to 6954), HILL FR., UXL FR., DOWNIE FR., MINTO, MARTHA JANE, IXL FR., FRANCIS, HXL FR. (Lots 7483 to 7490).

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, 1050 Davie Street, Vancouver V6B 3T5.

METALS: Copper, gold.

DESCRIPTION: The Standard property is underlain by Lower Cambrian meta-sedimentary and metavolcanic rocks. The dominant structure on the property is a north-south-trending isoclinal antiform plunging gently (3 to 4 degrees) to the north. Chalcopyrite, associated with pyrrhotite and carbonate banding found within a greenstone sequence, has been the main interest on the property. Drilling was used to test any down-dip extensions of surface mineralization on both limbs of the fold.

WORK DONE: Diamond drilling, two AQ holes totalling 185 metres on Standard 3.

REFERENCES: Mineral Inventory 82M-90, 145; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 66; Assessment Reports 6070, 6187.

KEYSTONE (Fig. E-1, NTS 82, No. 194)

LOCATION: Lat. 51° 27' Long. 118° 17' (82M/8W)
REVELSTOKE M.D. Fifty kilometres north of Revelstoke, covering Keystone Peak and the headwaters of Mars and Standard Creeks.

CLAIMS: KEY 1 to 5, 9, 16, 17, 20, 21, MARS 1 to 4.

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, 1050 Davie Street, Vancouver V6B 3T5.

METALS: Copper, lead, zinc.

DESCRIPTION:

Complexly deformed metasedimentary and metavolcanic lithologies of the Lower Cambrian and younger Lardeau (?) Group and the Proterozoic Hamill (?) Group underlie the Key and Mars claims. Broadly, the strata strike north to northeast and dip very gradually to the east. The stratigraphic succession involves carbonates, greenstone, quartzite, and quartz mica (±graphite) schist. The most prominent recognized structural feature in the area is a southwardly closing isoclinal antiform with a very shallowly eastward-dipping axial surface. East of Keystone Peak a northwardly striking high-angle fault offsets the synform hinge zone about 400 metres vertically, east block up.

Observed sulphide mineralization in the area of the claims comprises galena-sphalerite-pyrite-chalcopyrite disseminations and pods within discordant quartz veins.

WORK DONE: Surface geological mapping, 1:25 000, covering Key 4, 5, 9, 16, and 21.

REFERENCES: Mineral Inventory 82M-89; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 65; Assessment Report 6104.

1977

(82M/8W)

DOWN (Fig. E-1, NTS 82, No. 192)

LOCATION: Lat. $51^{\circ} 27'$ Long. $118^{\circ} 26'$ (82M/8W)
REVELSTOKE M.D. Twelve kilometres southeast of the settlement of Downie Creek, on the east side of the Columbia River, straddling Keystone Creek.

CLAIMS: DOWN 1 (20 units), DOWN 2 (20 units).

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, 1050 Davie Street, Vancouver V6B 3T5.

DESCRIPTION: The claims are nearly devoid of outcrop. Two diamond-drill holes cut a 120-metre section of quartz-graphite schist, quartz-talc-chlorite schist, quartz-chlorite-carbonate schist, and lesser chloritic greenstone. No mineralization was encountered in drilling.

WORK DONE: Linecutting, 15 kilometres; electromagnetic survey, 18 kilometres; road construction, 2.25 kilometres; and surface diamond drilling, two AQ holes totalling 133 metres, on Down 1.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 65; Assessment Report 6097.

KS (Fig. E-1, NTS 82, No. 195)

LOCATION: Lat. $51^{\circ} 28'$ Long. $118^{\circ} 21'$ (82M/8W)
REVELSTOKE M.D. Fifty-three kilometres north of Revelstoke, east of the settlement of Downie Creek, lying between Keystone Peak, Downie Creek, and the Columbia River.

CLAIMS: JEN 1 (14 units), JEN 2 (20 units), JEN 3 (16 units), JEN 4 (16 units), JEN 5 (18 units), JEN 6 (8 units), JEN 7 (16 units), JEN 13 (20 units), JEN 14 (20 units), JEN 15 (20 units), MOLY 100 (18 units), MOLY 101 (15 units), MOLY 102 (15 units).

OWNER: CANADIAN NICKEL COMPANY LIMITED, 709, 1075 Melville Street, Vancouver V6E 2W4.

METALS: Copper, lead, zinc, silver.

DESCRIPTION: Galena, sphalerite, and chalcopyrite occur in a graphitic schist horizon in close association with limy horizons in the upper section of the Hamill Group rocks.

WORK DONE: Surface geological mapping, 1:2000 (limited exposed areas); geochemical survey, 215 soil samples analysed for copper, lead, zinc, and silver; and electromagnetic survey, 5.3 kilometres, covering Jen 2 and 5.

REFERENCES: Mineral Inventory 82M-146, *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 65, E 66; Assessment Report 6603.

RUGER (Fig. E-1, NTS 82, No. 187)

LOCATION: Lat. $51^{\circ} 29'$ Long. $118^{\circ} 11'$ (82M/8E)
REVELSTOKE M.D. Fifty-three kilometres north of Revelstoke, at the junction of Downie and Sorcerer Creeks.

CLAIMS: RUGER 1 (4 units), RUGER 2 (2 units), RUGER 3 (2 units).

1977

(82M/9W)

OWNER: FRANCIS M. HURLBERT, Box 167, Hudson Hope V0C 1V0.
METALS: (Tungsten, copper).
DESCRIPTION: Iron sulphide and magnetite, with minor copper and tungsten, occur in quartzite.
WORK DONE: Prospecting and geochemical survey, four rock samples analysed for tungsten, gold, and silver, covering Ruger 1.
REFERENCES: Mineral Inventory 82M-156; Assessment Report 6306.

PAT 1300 (Fig. E-1, NTS 82, No. 197)

LOCATION: Lat. 51° 36' Long. 118° 18' (82M/9W)
REVELSTOKE M.D. Nineteen kilometres north-northeast of the community of Downie Creek, on the south side of Goldstream River and north of Downie Peak.
CLAIM: PAT 1300.
OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, 1050 Davie Street, Vancouver V6B 3T5.
METALS: Zinc, lead (?).
DESCRIPTION: The Pat 1300 claim is partially underlain by a complexly deformed sequence of metasedimentary lithologies, tentatively assigned to the Lower Cambrian and younger Lardeau Group. Granitic injections in the form of small stocks, dykes, and sills cut the sedimentary sequence and appear to represent part of the complex northern contact zone of a huge Triassic (?) aged intrusive body exposed further to the south and southwest. Thermal metamorphism at the margins of the intrusion has altered the host rocks to swirled contact gneiss, hornfels, and skarn. Sulphide mineralization consists of pyrite and pyrrhotite, with occasional sphalerite, within garnet-epidote-dolomite skarns. The skarns are locally developed within dominantly calcareous host rocks near intrusive contacts.
WORK DONE: Surface geological mapping, 1:25 000, covering Pat 1300.
REFERENCES: Mineral Inventory 82M-157; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 69.

ALI (Fig. E-1, NTS 82, No. 200)

LOCATION: Lat. 51° 37' Long. 118° 23' (82M/9W)
REVELSTOKE M.D. Nineteen kilometres north-northeast of the community of Downie Creek (on the Columbia River), 6 kilometres southeast of the junction of Goldstream River and French Creek.
CLAIM: ALI (20 units).
OWNER: Delhi Pacific Mines Limited.
OPERATOR: CONWEST EXPLORATION COMPANY LIMITED, 1010, 85 Richmond Street West, Toronto, Ontario M5H 2G1.
METALS: Copper, zinc, silver.

1977

(82M/9W)

DESCRIPTION: The property is underlain by a sequence of metasedimentary rocks of the Lardeau Group. Included are quartzofeldspathic biotite gneisses, biotite quartzites, and phyllites. A granite intrusion with associated dykes cut the sequence near the southern boundary of the property.

WORK DONE: 1975 and 1976 — electromagnetic survey, 20 kilometres, covering Ali.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 69, E 70; Assessment Reports 5899, 6290, 6300.

FAIRVIEW (Fig. E-1, NTS 82, No. 196)

LOCATION: Lat. 51° 42' Long. 118° 28' (82M/9W)

REVELSTOKE M.D. Twenty-six kilometres north of the community of Downie Creek, 5 kilometres up McCulloch Creek on the divide between Old Camp and McCulloch Creeks.

CLAIMS: FAIRVIEW (Lot 2767), MAPLE LEAF (Lot 2766), SHAMROCK (Lot 2769), LAKE FR. (Lot 2662).

OWNER: WILLIAM J. CUTT, 1602, 1775 Bellevue Avenue, West Vancouver.

WORK DONE: 1976 — prospecting, covering all claims.

REFERENCE: Assessment Report 6045.

SLIDE (Fig. E-1, NTS 82, No. 202)

LOCATION: Lat. 51° 33' Long. 118° 33' (82M/10E)

REVELSTOKE M.D. Sixty-five kilometres north-northwest of Revelstoke, on the west side of the Columbia River, between Liberty and Fissure Creeks.

CLAIMS: SLIDE 1 (20 units), SLIDE 2 (20 units), SLIDE 3 (20 units), SLIDE 4 (4 units), SLIDE 5 (20 units), SLIDE 6 (20 units), SLIDE 7 (9 units), SLIDE 8 (20 units), SLIDE 9 (3 units).

OWNER: J. R. WOODCOCK CONSULTANTS LTD., 1521 Pemberton Avenue, North Vancouver V7P 2S3.

METALS: Lead, zinc.

DESCRIPTION: Massive and disseminated sulphides occur in schists and gneisses of the Shuswap Complex.

WORK DONE: Surface geological mapping, 1:5000, covering Slide 1, 2, 4, 7, 9; geochemical survey, 280 silt and soil samples analysed for copper, lead, and zinc, covering Slide 1, 2, 7, 8; electromagnetic survey, 9.3 kilometres, covering Slide 1, 2.

REFERENCES: Mineral Inventory 82M-149; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 70.

1977

(82M/10E)

FISSURE (Fig. E-1, NTS 82, No. 203)

LOCATION: Lat. $51^{\circ} 33'$ Long. $118^{\circ} 38'$ (82M/10E)
REVELSTOKE M.D. Sixty-five kilometres north-northwest of Revelstoke, between Liberty and Fissure Creeks, 8 kilometres west of the Columbia River.

CLAIM: FISSURE 1 (20 units).

OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver V6C 2R2.

METALS: Lead, zinc, silver.

DESCRIPTION: The claims are underlain by the Shuswap Complex consisting of a varied succession of marble, quartzite, carbonaceous siltstone, and paragneiss. Stratabound sphalerite and galena occur adjacent to a marble unit.

WORK DONE: Two trenches totalling 14 metres on Fissure 1.

REFERENCES: Mineral Inventory 82M-150; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 70; Assessment Report 6229.

BEND (Fig. E-1, NTS 82, No. 204)

LOCATION: Lat. $51^{\circ} 39'$ Long. $118^{\circ} 33'$ (82M/10E)
REVELSTOKE M.D. Seventy-seven kilometres north-northwest of Revelstoke, between the Goldstream River and Old Goldstream Creek, 5 kilometres east of the Columbia River.

CLAIMS: BEND 1 (20 units), BEND 2R (20 units), BEND 3 (15 units), FAR, FAR 1.

OWNER: Seaforth Mines Ltd.

OPERATOR: CANEX PLACER LIMITED, 800, 1030 West Georgia Street, Vancouver V6E 3A8.

DESCRIPTION: The area is underlain by quartz-chlorite-sericite schists of the Lardeau Group, striking east-west and dipping 30 to 50 degrees north. There are a few narrow beds of limestone and quartzite. Graphitic zones within the schists are common.

WORK DONE: Electromagnetic surveys, VLF, 9.5 kilometres and shootback, 10 kilometres, covering Bend 2R; magnetometer survey, 23.3 kilometres, covering Bend 2R; geochemical survey, 375 soil samples analysed for copper, lead, and zinc, covering all Bend claims; drilling, one BQWL hole totalling 152.4 metres, on Far, Far 1, Bend 1, and Bend 3; trenching, one trench totalling 65 metres on Bend 2R.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 71, E 72; Assessment Reports 6176, 6329, 6371.

VAV (Fig. E-1, NTS 82, No. 207)

LOCATION: Lat. $51^{\circ} 36'$ Long. $119^{\circ} 37.5'$ (82M/12E)
KAMLOOPS M.D. Ten kilometres east of Vavenby, 4 kilometres east of the confluence of Reg Christie Creek and the North Thompson River, on a tributary of Reg Christie Creek.

1977

(82M/12W)

CLAIM: VAV (8 units).
OWNER: HARRY MILLER, 2404, 1122 Gilford Street, Vancouver.
METAL: Copper.
WORK DONE: Radiometric reconnaissance prospecting, covering Vav.
REFERENCES: Mineral Inventory 82M-151, 152, *B.C. Ministry of Mines & Pet. Res.*,
Exploration in B.C., 1976, p. E 72; Assessment Reports 5090, 6383.

HAVE (Fig. E-1, NTS 82, No. 209)

LOCATION: Lat. $51^{\circ} 33.5'$ Long. $119^{\circ} 47'$ (82M/12W)
KAMLOOPS M.D. Four kilometres southwest of Vavenby, on Jones
Creek, 2 kilometres south of the North Thompson River.
CLAIM: HAVE (20 units).
OWNER: JOSEPH T. MILLER, 3304 Barrett Place NW., Calgary, Alta.
DESCRIPTION: The claim is underlain predominantly by Permian metamorphic rocks,
and older Shuswap metamorphic rocks. The only sulphide minerali-
zation noted in the outcrops mapped consisted of minor disseminations
of pyrite with limonite pits and staining in the Permian schists.
WORK DONE: Radiometric and geochemical prospecting, covering Have.
REFERENCE: Assessment Report 6317.

BULLION (Fig. E-1, NTS 82, No. 210)

LOCATION: Lat. $51^{\circ} 33.5'$ Long. $119^{\circ} 51'$ (82M/12W)
KAMLOOPS M.D. Five kilometres southeast of the community of
Birch Island and 2 kilometres south of the North Thompson River, on
Lute and Butler Creeks.
CLAIM: GREEN (10 units).
OWNER: Harry Miller.
OPERATOR: COPPER LAKE EXPLORATION LTD., 3204 West Broadway,
Vancouver.
METAL: Uranium.
DESCRIPTION: Volcanic rocks and schists were observed along the banks of Butler
Creek.
WORK DONE: 1976 — prospecting and reconnaissance scintillometer survey, covering
Green.
REFERENCES: Mineral Inventory 82M-34; *B.C. Ministry of Mines & Pet. Res.*,
Exploration in B.C., 1975, p. E 58; Assessment Reports 5502, 6220.

LAKE (Fig. E-1, NTS 82, No. 211)

LOCATION: Lat. $51^{\circ} 34.5'$ Long. $119^{\circ} 51'$ (82M/12W)
KAMLOOPS M.D. Five kilometres east-southeast of the community of
Birch Island and immediately south of the North Thompson River, on
Lute and Butler Creeks.
CLAIM: LAKE (12 units).

1977

(82M/12W; 92P/9E)

OWNER: John Kruzick.

OPERATOR: COPPER LAKE EXPLORATIONS LTD., 3204 West Broadway, Vancouver.

DESCRIPTION: The rocks are mainly volcanic and mica schists. Some of the schists carry finely disseminated pyrite.

WORK DONE: 1976 and 1977 — prospecting, covering Lake.

REFERENCE: Assessment Report 6252.

CW (Fig. E-1, NTS 82, No. 208)

LOCATION: Lat. 51° 37' Long. 120° 00' (82M/12W; 92P/9E)
KAMLOOPS M.D. Thirteen kilometres west of Vavenby, immediately south of the North Thompson River, on Hascheak Creek.

CLAIMS: CW 1 to 5, SONJA 5, 6, 9.

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops V2C 2E2.

METALS: Copper, gold.

DESCRIPTION: Disseminated chalcopyrite and pyrite occur within an altered zone near the base of the lower rhyolite member of the Eagle Bay Formation.

WORK DONE: Magnetic and electromagnetic surveys, 24 kilometres each; geochemical survey, 540 samples, covering CW 1, 2, 4 and Sonja 5, 6, 9.

REFERENCE: Mineral Inventory 82M-159.

SNOW (Fig. E-1, NTS 82, No. 205)

LOCATION: Lat. 51° 38' Long. 119° 49' (82M/12W)
KAMLOOPS M.D. Seven kilometres northeast of the village of Birch Island, on Mount McClelland.

CLAIMS: NIMSIC (6 units), NIMSIC 2 (14 units), NIMSIC 3 (10 units), NIMSIC 4 (10 units), NIMSIC 5 (10 units), NIMSIC 6 (20 units), NIMSIC 7 (20 units), NIMSIC 8 (12 units), NIMSIC 9 (2 units), NIMSIC 10 (16 units), NIMSIC 11 (6 units), NIMSIC 12 (2 units).

OWNER: CANADIAN NICKEL COMPANY LIMITED, 709, 1075 Melville Street, Vancouver V6E 2W4.

METALS: Copper, lead, zinc, silver.

DESCRIPTION: Chalcopyrite, galena, and sphalerite are hosted by a calcareous quartz-sericite schist horizon which is a member within a stratigraphic package of low-energy sediments. Interbedded limestone, quartzite, and graphitic schist have a wide distribution within a large area underlain by sericitic and chloritic schists. The mineralization is regarded as having stratiform associations.

WORK DONE: Surface geological mapping, 1:5000; magnetometer survey; and geochemical survey, 1 600 soil samples analysed for copper, zinc, and silver, covering all claims; electromagnetic survey, covering Nimsic and Nimsic 3.

REFERENCES: Mineral Inventory 82M-45; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 73, E 74; Assessment Reports 436, 5813, 6174, 6603.

1977

(82M/15W)

IT, TO (RUDDOCK CREEK) (Fig. E-1, NTS 82, No. 212)

LOCATION: Lat. $51^{\circ} 47'$ Long. $118^{\circ} 54'$ (82M/15W)
KAMLOOPS M.D. Twenty-seven kilometres east of the Avola post office, on the western slope of Gordon Horne Peak, between Oliver Creek and the headwaters of Ruddock Creek.

CLAIMS: IT 1 to 16, 27 to 30, 33, 35 to 42, 59, 61, 83 to 85, IN 2, 4, 6 to 19, TO 9 to 14 and IF 1 to 7 (totalling 45 units).

OWNER: Falconbridge Nickel Mines Limited.

OPERATOR: COMINCO LTD., 2200, 200 Granville Square, Vancouver V6C 2R2.

METALS: Zinc, lead.

DESCRIPTION: Stratiform massive lead-zinc mineralization occurs along both limbs of a refolded fold within metasedimentary rocks of the Shuswap Complex. Massive pyrrhotite, sphalerite, and galena occur along a single mineralized horizon within a succession of calcareous metasedimentary rocks and biotite gneiss. Pegmatites form over 50 per cent of the rock volume.

WORK DONE: Geological mapping, 1:500, covering IT 3-7; drilling, six BQ holes totalling 812 metres and 25 X-ray holes totalling 770 metres on IT 3, 4, 8, 10.

REFERENCES: Mineral Inventory 82M-82 to 84; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 75; Assessment Reports 5990, 6625.

SOUTHWEST BRITISH COLUMBIA
(NTS Division 92 and part of 102)

VICTORIA 92B

JILL (Fig. E-1, NTS 92, No. 1)

LOCATION: Lat. 48° 29' Long. 123° 46' (92B/5W)
VICTORIA M.D. Four kilometres west of Leechtown, on Mount Jack.

CLAIMS: JILL (4 units).

OWNER: D. M. SCOTT, 216, 3314 North 68th Street, Scottsdale, Arizona 85251.

METAL: Copper.

WORK DONE: Linecutting, 5.3 kilometres on Jill.

REFERENCES: Mineral Inventory 92B-101; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 93; Assessment Reports 4744, 5291, 5451, 6529.

BLAZE (Fig. E-1, NTS 92, No. 2)

LOCATION: Lat. 49° 31' Long. 123° 53' (92B/12W)
VICTORIA M.D. On the north side of Bear Creek Reservoir.

CLAIMS: BLAZE 1 (1 unit), BLAZE 2 (2 units).

OWNERS: ROBERT BEAUPRE, ALEX LOW, and FRED ZARELLI, c/o 4361 Shelbourne Street, Victoria V8N 3G4.

METALS: (Gold, silver, lead).

DESCRIPTION: Quartz veins are intruded along foliations in schist. The veins were traced for a distance of several metres by surface blasting.

WORK DONE: Prospecting and trenching, seven pits blasted to depth of 1.5 metres; samples assayed for gold and silver.

REFERENCES: Mineral Inventory 92B-108; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 108; Assessment Report 6298.

LEECH, BANK (Fig. E-1, NTS 92, No. 3)

LOCATION: Lat. 48° 33' Long. 123° 48' (92B/12W)
VICTORIA M.D. Ten kilometres northwest of Leechtown, on the southwest slope of Survey Mountain.

OWNER: CHARLES BOITARD, 2245 West 13th Avenue, Vancouver.

CLAIMS: LEECH (2 units), BANK (2 units).

DESCRIPTION: The drill core contained intermittent veins, veinlets, and stringers of quartz predominantly within a graphitic schist. The quartz indicated possible leached sulphides with rare patches of pyrite.

WORK DONE: Surface diamond drilling, one EX hole totalling 10.5 metres on Leech.

REFERENCE: Assessment Report 6296.

1977

(92B/13W)

SEATTLE, QUEEN BEE (Fig. E-1, NTS 92, No. 4)

LOCATION: Lat. 48° 52.5' Long. 123° 48' (92B/13W)
VICTORIA M.D. Copper Canyon, on Chemainus River at the junction of Nugget Creek.

CLAIMS: SEATTLE (Lot 57G), QUEEN BEE (Lot 100G), LITTLE NUGGET (Lot 33G), BELLE (Lot 55G), DUNSMUIR (Lot 56G), COPPER KING (Lot 64G), COPPER QUEEN (Lot 65G), CHEMAINUS (Lot 34G).

OWNER: PETER POSTUK, 3086 Gibbons Road, Duncan V9L 1E8.

METALS: Zinc, copper, gold, silver.

DESCRIPTION: Mineralization occurs in volcanic and sedimentary rocks of the Sicker Group. The country rock is strongly sheared and heavily mineralized with pyrite. Sills of gabbro and diorite and intrusions of quartz porphyry appear to have some control on mineralization.

WORK DONE: Prospecting and geological mapping covering all claims; trenching, one caterpillar trench totalling 50 by 10 by 2 metres on Seattle and one blasted trench totalling 2 by 1 by 1 metre on Dunsmuir.

REFERENCES: Mineral Inventory 92B-88; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, pp. 163, 164 (Lenora, Tyee).

MARGIE, SUSAN (Fig. E-1, NTS 92, No. 6)

LOCATION: Lat. 48° 52' Long. 123° 47.5' (92B/13W)
VICTORIA M.D. From Big Sicker Mountain on the east, westward to the Chemainus River at a point 0.5 kilometre southwest of the mouth of Holyoak Creek.

CLAIMS: MARGIE (Lot 5G), MOLLIE (Lot 6G), MOLLIE FR. (Lot 7G), YANKEE (Lot 89G), ELMOORE FR. (Lot 91G), SUSAN (Lot 23G), VICTORIA FR. (Lot 90G).

OWNER: J. R. DEIGHTON, 3250 West 33rd Avenue, Vancouver V6N 2G9.

METAL: (Copper).

DESCRIPTION: The claims are underlain by Sicker Group volcanic and sedimentary rocks. Pyrite, with minor chalcopyrite, occurs in an east-west-striking shear at the northern boundary of the Elmoore Fr. claim.

WORK DONE: Geological mapping on all claims except Susan and Victoria; geochemical survey, 5 silt and 37 soil samples analysed for copper, lead, zinc, and silver covering Susan and Victoria.

REFERENCES: Assessment Reports 4626 (Copper Canyon), 6599, 6600, 6602.

WATER POWER — BRENTON (Fig. E-1, NTS 92, No. 5)

LOCATION: Lat. 48° 53' Long. 123° 48.5' (92B/13W)
VICTORIA M.D. One kilometre north of the junction of Holyoak Creek and Chemainus River.

CLAIMS: NONSUCH (Lot 66G), MILDRED (Lot 96G), FAITH (6 units).

OWNER: J. R. DEIGHTON, 3250 West 33rd Avenue, Vancouver V6N 2G9.

1977

(92B/13W)

METALS: Copper, silver.

DESCRIPTION: Pyrite and chalcopyrite occur in schistose units of the Sicker Group. Jurassic hornblende feldspar porphyry intrudes the Sicker Group.

WORK DONE: 1976 and 1977 — surface geological mapping covering all claims.

REFERENCES: Mineral Inventory 92B-41; *Minister of Mines, B.C.*, Ann. Rept., 1923, p. 275; Assessment Reports 6216, 6518.

SHARON COPPER, HOLY, MONS (Fig. E-1, NTS 92, No. 7)

LOCATION: Lat. 48° 53' Long. 123° 50' (92B/13W)

VICTORIA M.D. The property lies between Mount Brenton, Solly Creek, and Chemainus River.

CLAIMS: HOLY 1 to 4 (40 units), MONS 1 to 4 (35 units), QQ 1 and 2 (10 units), VV 1 (4 units), YY 1 (4 units), ZZ 1 (4 units).

OWNER: IMPERIAL OIL LIMITED, 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Gold, copper, zinc, lead.

DESCRIPTION: Zones of pyrite, chalcopyrite, sphalerite, and galena are stratigraphically and structurally controlled within a belt of strongly schistose, felsic tuffs and graphitic sediments of the Sicker Group. The schists are intruded by: (1) a largely conformable quartz feldspar porphyry which is also very schistose, (2) a gabbro-diorite complex, and (3) younger acid and basic dykes.

WORK DONE: Airborne electromagnetic survey, 660 kilometres; ground electromagnetic survey, 55 kilometres; magnetometer survey, 55 kilometres; geochemical survey, 386 samples analysed for copper and zinc; and linecutting, 45 kilometres, covering all claims.

REFERENCES: Mineral Inventory 92B-49, 109; Assessment Report 6548.

HOPE (Fig. E-1, NTS 92, No. 39)

LOCATION: Lat. 48° 53' Long. 123° 52' (92B/13W)

VICTORIA M.D. Four kilometres north of Chemainus River, between Humbird and Solly Creeks.

CLAIMS: HOPE (units 1 to 8).

OWNER: J. R. DEIGHTON, 3250 West 33rd Avenue, Vancouver V6N 2G9.

METALS: Zinc, copper, silver, gold.

DESCRIPTION: The claims are underlain by Sicker Group volcanic rocks and bodies of diorite. Mineralization occurs as disseminations along foliation planes in volcanic rocks and in a small sheared zone.

WORK DONE: Surface geological mapping and geochemical soil sampling covering Hope (8 units).

REFERENCES: Mineral Inventory 92B-110; Assessment Report 6698.

CAPE FLATTERY 92C**WOLF (MEAD; REN) (Fig. E-1, NTS 92, No. 8)**

LOCATION: Lat. 48° 27' Long. 124° 06' (92C/8E)
VICTORIA M.D. Five kilometres west of River Jordan, on McVicar Creek.

CLAIMS: WOLF 1 to 6, 11, 12.

OWNER: TERENCE F. SCHORN, 2944 Walton Avenue, Port Coquitlam.

METAL: Copper.

DESCRIPTION: Chalcopyrite, pyrrhotite, and pyrite mineralization is confined within shear zones in basalt close to its contact with the Sooke gabbro. The principal alteration mineral is hornblende. Magnetite occurs as disseminations in both the shear zones and the unaltered Metchosin Group volcanic rocks.

WORK DONE: Detailed geochemical survey, 327 soil samples assayed for copper, covering Wolf 1, 2, 7, and 8.

REFERENCES: Mineral Inventory 92C-94; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, p. 165; Assessment Reports 4104, 6272.

JUAN (Fig. E-1, NTS 92, No. 9)

LOCATION: Lat. 48° 28' Long. 124° 05' (92C/8E)
VICTORIA M.D. At the head of Pete Wolf and Sinn Creeks, 5.5 kilometres north-northwest of River Jordan.

CLAIMS: JUAN A, JUAN B, JUAN C, JUAN D, JUAN E, JUAN H, JUAN I, totalling approximately 60 units.

OWNERS: M. Cloutier and S.E.R.E.M. Ltd.

OPERATOR: S.E.R.E.M. LTD., 505, 850 West Hastings Street, Vancouver.

WORK DONE: Ground electromagnetic survey, 5.9 kilometres, covering Juan A, Juan C, Juan H, and Juan I.

REFERENCES: Assessment Reports 6517, 6592.

RED DOG (Fig. E-1, NTS 92, No. 10)

LOCATION: Lat. 48° 41' Long. 124° 09' (92C/9E)
VICTORIA M.D. Thirty kilometres north-northwest of River Jordan, 2 kilometres west of Dimple Lake.

CLAIMS: CONQUEST (units 1 to 10), VICTOR (units 1 to 7).

OWNER: Thomas D. McEwan.

OPERATOR: WESTERN MINES LIMITED, 1103, 595 Burrard Street, Vancouver V7X 1C4.

METALS: Copper, (gold, silver).

DESCRIPTION: The property is underlain by Karmutsen volcanic rocks, Quatsino limestone, a dioritic intrusion, dacitic dykes, and Bonanza shales. The intrusion contains sulphides, mainly pyrite, distributed along fractures.

Skarns, containing pyrite, pyrrhotite, magnetite, minor chalcopyrite, as well as calc-silicates, epidote, and garnets, occur at several locations. They are typically poddy, discontinuous, and leached.

WORK DONE: Surface geological mapping, 1:2400 and 1:16 000, and geochemical survey, 76 silt samples analysed for copper, lead, zinc, silver, tungsten, and molybdenum, covering all claims; geochemical survey, 105 soil samples analysed for copper, lead, zinc, silver, tungsten, and molybdenum, and ground magnetometer survey, 4 kilometres, covering Conquest (units 1, 2, 6, and 7); linecutting, 1 kilometre, on Victor (unit 1); 22 rock samples taken on Conquest (units 1 and 7) and analysed for copper and gold.

REFERENCES: Mineral Inventory 92C-12; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1971, p. 226; Assessment Reports 6380, 6502.

CLOSE (Fig. E-1, NTS 92, No. 12)

LOCATION: Lat. 48° 50' Long. 124° 20' (92C/16W)
NANAIMO M.D. Near the head of Green Creek, 2.5 kilometres northwest of Mount Buttle.

CLAIMS: CLOSE (20 units).

OWNER: EFREM SPECOGNA, Centenary Drive, RR 1, Nanaimo.

METAL: Molybdenum.

DESCRIPTION: Molybdenite occurs sparsely disseminated in fissures, veinlets, and veins up to 1.5 metres wide over an area 2 by 2.5 kilometres. One crosscut and several trenches were opened on the big vein at least one hundred years ago. The mineralization, which appears to be related to an intrusion, occurs in the intrusion, in an intrusive breccia, and in volcanic rock.

WORK DONE: Prospecting and rock geochemistry covering Close (20 units).

REFERENCE: Mineral Inventory 92C-112.

BLUE GROUSE (Fig. E-1, NTS 92, No. 11)

LOCATION: Lat. 48° 50' Long. 124° 14' (92C/16E)
VICTORIA M.D. Four kilometres northwest of Honeymoon Bay, on the south side of Cowichan Lake.

CLAIMS: CINDY (18 units) JOY (18 units) plus BLUE GROUSE, BLUE GROUSE 2 and 3, SS 1 to 8 (Lots 31G to 41G).

OWNER: G. A. MacDonald.

OPERATOR: PLACER DEVELOPMENT LIMITED, 7th Floor, 1030 West Georgia Street, Vancouver.

METALS: Copper, silver.

DESCRIPTION: At least 10 small, tabular sulphide zones, consisting of chalcopyrite, pyrrhotite, pyrite, and occasional magnetite and sphalerite, occur in the Franklin Creek volcanic subunit of the Vancouver Group. Swarms and small irregular masses of feldspar porphyry intrusive rocks cut the

Vancouver Group rocks in the mine area. The copper deposits have been attributed to replacement of favourable stratigraphic units by hydrothermal processes related to, but younger than, the feldspar porphyry intrusive rocks.

WORK DONE: 1976 — ground magnetometer survey, 1.8 kilometres; ground electromagnetic survey, 1.8 kilometres; and induced polarization survey, 0.5 kilometre, covering Cindy and Blue Grouse.

REFERENCES: Mineral Inventory 92C-17; *Minister of Mines, B.C.*, Ann. Rept., 1960, p. 115; *B.C. Ministry of Mines & Pet. Res.*, Bull. 37, pp. 54-57; Assessment Reports 97, 616, 6297.

NOOTKA SOUND 92E

JUNE (JADE) (Fig. E-1, NTS 92, No. 32)

LOCATION: Lat. 49° 37' Long. 126° 04' (92E/9E)
ALBERNI M.D. Nine kilometres south-southeast of Muchalat, on the west side of Matchlee Bay.

CLAIMS: ADOLA (12 units).

OWNER: ADOLA MINING CORPORATION, 8, 784 Thurlow Street, Vancouver.

METALS: Copper, lead, zinc, silver, gold, bismuth.

DESCRIPTION: At least four quartz veins transect altered andesitic volcanic rocks in close proximity to limestone, granodiorite, basalt, and feldspar porphyry. The main vein is a well-defined shear zone, from generally 1 centimetre to 2 metres wide, and has been exposed in open cuts and in an adit for 36 metres. The main vein contains chalcopyrite and magnetite with lesser amounts of arsenopyrite, pyrrhotite, pyrite, sphalerite, galena, and a silver-bismuth sulphide.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 60 soil samples; and ground magnetometer survey, 1.2 kilometres, covering Adola (12 units).

REFERENCES: Mineral Inventory 92E-18; *Minister of Mines, B.C.*, Ann. Rept., 1946, p. 179; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1971, p. 232; Assessment Report 6415.

JOAN (Fig. E-1, NTS 92, No. 40)

LOCATION: Lat. 49° 48.5' Long. 126° 25' (92E/16W)
ALBERNI M.D. On the north side of Conuma River, 3 kilometres from Moutcha Bay.

CLAIMS: JOAN (4 units).

OWNER: G. G. HAMMOND, Box 220, Gold River V0P 1G0.

METALS: Iron, copper.

WORK DONE: Linecutting, 1.4 kilometres and electromagnetic survey, 1.4 kilometres, covering Joan.

ALBERNI 92F**SKARN (Fig. E-1, NTS 92, No. 167)**

LOCATION: Lat. 49° 05' Long. 124° 28' (92F/1W)
NANAIMO M.D. Four kilometres south of Labour Day Lake, at the headwaters of the Nanaimo River.

CLAIM: KAR (20 units).

OWNER: ERIC N. MacKENZIE, 2720 Waterloo Street, Vancouver.

METALS: Copper, (zinc).

DESCRIPTION: Chalcopyrite, pyrite, pyrrhotite, and minor sphalerite occur in skarn within a volcanic/sedimentary host rock.

WORK DONE: Linecutting.

REFERENCES: Mineral Inventory 92F-182; *Minister of Mines, B.C.*, Ann. Rept., 1965, p. 239; Assessment Report 6585.

VILLALTA (Fig. E-1, NTS 92, No. 13)

LOCATION: Lat. 49° 06' Long. 124° 28' (92F/1W)
NANAIMO M.D. Three kilometres south-southwest of Labour Day Lake, at the headwaters of Nanaimo River.

CLAIMS: VILLALTA (8 units), VILLALTA A (2 units), VILLALTA C (2 units), VILLALTA D (2 units).

OWNER: EFREM SPECOGNA, Centenary Drive, RR 1, Nanaimo.

METALS: Gold, zinc, copper, iron.

DESCRIPTION: Gold and zinc occur at the contact of the Sicker Group rocks and limestone. The limestone is overlain by massive hematite on the Villalta C claim. On the Villalta A claim, copper mineralization occurs in altered volcanic rocks which are cut by diorite and dacite porphyries.

WORK DONE: Four trenches, 65 metres total length on Villalta C and two trenches, 7 metres total length on Villalta A.

REFERENCE: Mineral Inventory 92F-384.

STAR OF THE WEST (Fig. E-1, NTS 92, No. 15)

LOCATION: Lat. 49° 05' Long. 124° 45' (92F/2)
NANAIMO M.D. Two kilometres southeast from Franklin Creek, on Corrigan Creek.

CLAIMS: STAR OF THE WEST (Lot 40), COR 5 to 10, 14.

OWNER: FOCUS RESOURCES LTD., 201, 505 Second Street SW., Calgary, Alberta T2P 1N8.

METALS: Gold, copper, zinc.

DESCRIPTION: The eastern part of the property is underlain by Triassic greenstones of the Karmutsen Formation and the western part of Jurassic granodiorite which intrudes the Karmutsen rocks. Quartz carbonate veins, carrying small amounts of pyrite and chalcopyrite, cut both rock types but are most abundant in the greenstone. In the past, interesting values of gold have been reported from these veins.

1977

(92F/2E)

WORK DONE: Surface geological mapping covering all claims; geochemical survey, 143 samples analysed for gold, copper, silver, and tungsten on Cor 14 and 15 samples analysed for gold, copper, silver, and tungsten on Cor 7 and 8; four trenches on Cor 6 and 7.

REFERENCES: Mineral Inventory 92F-215; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, pp. E 94, E 95.

SOL (HAVILAH; STORM) (Fig. E-1, NTS, 92, No. 14)

LOCATION: Lat. 49° 07' Long. 124° 36' (92F/2E)
ALBERNI M.D. On the north slope of Mount McQuillan, at the head of China and McQuillan Creeks.

CLAIMS: SOL 1 to 40, SOL 2 (12 units).

OWNERS: CanPac Minerals Limited and Pan Canadian Petroleum Limited.

OPERATOR: COMINCO LTD., 200 Granville Square, Vancouver V6C 2R2.

METALS: Copper, molybdenum, gold, silver, lead.

DESCRIPTION: A porphyry copper prospect occurring in Sicker Group volcanic rocks is intruded by a Jurassic diorite intrusion and by quartz feldspar porphyry stocks, dykes, and sills of Tertiary age. Mineralization consists of finely disseminated chalcopyrite associated with abundant pyrite and pyrrhotite and traces of molybdenite. The claims also cover the old Havilah (Storm) gold-silver-copper-lead showing.

WORK DONE: Induced polarization survey, 6.6 line-kilometres covering Sol 7-12, 14, 27, 29; drilling, three holes totalling 446 metres, on Sol 25 and 29; linecutting, 9.6 kilometres on Sol 7-12, 14, 27, 29.

REFERENCES: Mineral Inventory 92F-385, 82; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 111 (Storm); Assessment Report 6643.

A (Fig. E-1, NTS 92, No. 16)

LOCATION: Lat. 49° 13' Long. 124° 55' (92F/2W)
ALBERNI M.D. Four kilometres south of Stirling Arm, Sproat Lake, at the head of Fosseli Creek.

CLAIMS: A 5 to 8, B 1 to 10, C 1 to 8, D 1 to 14.

OWNER: Cous Creek Copper Mines Ltd.

OPERATOR: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METALS: Copper, (gold, silver, zinc).

DESCRIPTION: Skarn and massive sulphide mineralization occur sporadically throughout the central portion of the claim block. Blebs of massive pyrrhotite, pyrite, and minor chalcopyrite are generally found in andesite in close proximity to quartz diorite contacts. Skarn mineralization is related to limestone.

1977

(92F/5E)

WORK DONE: Surface geological mapping, 1:1250, and ground electromagnetic survey, 5 kilometres, covering A 5-8 and D 8, 10; sampling on A 5-7 and C 7; percussion drilling, two holes totalling 213.4 metres on A 7.

REFERENCES: Mineral Inventory 92F-360, 361; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 112; Assessment Reports 5981, 6393.

PROSPER (PAKEHA) (Fig. E-1, NTS 92, No. 17)

LOCATION: Lat. 49° 23' Long. 125° 45' (92F/5E)
ALBERNI M.D. Four kilometres north of Bedwell Sound, on the east side of Bedwell River.

CLAIMS: BEC (3 units), BES (3 units).

OWNERS: Golden Hinde Mines Ltd. and Walter Guppy.

OPERATOR: GOLDEN HINDE MINES LTD., Box 94, Tofino V0R 2Z0.

METALS: Copper, gold, silver.

DESCRIPTION: Recent work was confined to gold-bearing quartz veins occurring in Karmutsen volcanic rocks northeast of the forks of the Bedwell and Ursus Rivers. The two principal veins are parallel, about 40 metres apart, and strike northeasterly. Widths range up to over 1 metre. A section of vein that was stoped out in 1943 averaged 68.6 grams per tonne gold across 0.6 metre for a length of 25.6 metres.

WORK DONE: Trenching, 20 by 3 by 2 metres on Bes.

REFERENCES: Mineral Inventory 92F-53; *Minister of Mines, B.C.*, Ann. Rept., 1946, p. 183; 1947, p. 181; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 113.

TRI (Fig. E-1, NTS 92, No. 18)

LOCATION: Lat. 49° 18' Long. 125° 21' (92F/6W)
ALBERNI M.D. Ten kilometres west of Taylor Arm, on the north side of Taylor River.

CLAIMS: TNW (6 units), TW (3 units), TE (6 units).

OWNER: GOLDEN HINDE MINES LTD., Box 94, Tofino V0R 2Z0.

METALS: Copper, zinc.

DESCRIPTION: Intrusive and volcanic rocks outcrop on the southeast part of the claim group and volcanic rocks on the north and west. Limestone, up to 200 metres across and cut by numerous dykes, forms a ridge along the north side of the creek in the central part of the claims. On this ridge and on low ground near the river east of the ridge, a number of showings of skarn have been found mineralized with varying amounts of chalcopyrite, bornite, sphalerite, pyrite, and magnetite.

WORK DONE: Eight trenches, total length 32 metres, on TNW and TE.

REFERENCES: Mineral Inventory 92F-281; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 114.

SKARN (FRENCH CR; KEEGAN; GEM) (Fig. E-1, NTS 92, No. 19)

LOCATION: Lat. 49° 16' Long. 124° 31' (92F/7E)
 NANAIMO M.D. Fifteen kilometres west-southwest of Parksville, on the northwest side of the head of French Creek.

CLAIMS: SKARN 1 to 4, BEN (12 units), ZEN (12 units).

OWNERS: Estey Agencies Ltd., E. A. Campbell, and Thomas D. MacEwan.

OPERATOR: CLEAVER LAKE MINES LTD., Box 140, Coombs.

METALS: Copper, (gold, silver).

DESCRIPTION: Magnetite and chalcopyrite occur in a fault zone cutting a skarnitized limestone in volcanic rocks near a granodiorite intrusion.

WORK DONE: 1976 — prospecting covering Skarn 3, 4, Ben (unit 11), and Zen (unit 9).

REFERENCES: Mineral Inventory 92F-386; Assessment Report 6305.

BRITISH COLUMBIA (Fig. E-1, NTS 92, No. 20)

LOCATION: Lat. 49° 42' Long. 124° 07.5' (92F/9E)
 VANCOUVER M.D. Nelson Island, on the east side of Bruce Lake.

CLAIMS: BRITISH COLUMBIA, ONTARIO, QUEBEC, ALBERTA, MANITOBA, SASKATCHEWAN (Lots 3773 to 3775, 3844 to 3846).

OWNER: John P. McGoran.

OPERATOR: JAMES P. ELWELL, 4744 Caulfield Drive, West Vancouver.

DESCRIPTION: The claims are underlain by volcanic rocks intruded by Coast Range diorites. A 60-metre-wide belt of vertically dipping limestone runs slightly west of north through the claims.

WORK DONE: Geochemical survey, 49 soil samples on Saskatchewan.

REFERENCES: Assessment Reports 358, 6493.

STROMBERG (SEEL) (Fig. E-1, NTS 92, No. 21)

LOCATION: Lat. 49° 35.5' Long. 124° 21' (92F/9W)
 NANAIMO M.D. On the western side of Texada Island, 3 kilometres southeast of Davie Bay.

CLAIMS: TEXISLE 1 to 8.

OWNER: AARON MINING LTD., 204, 8260 Granville Avenue, Richmond.

METALS: Copper, zinc, silver.

DESCRIPTION: The property is underlain by breccias, basalt, andesite, and limestone of the Texada Formation. A mineralized zone is exposed in numerous trenches and consists of bornite, with minor chalcopyrite, occurring as thin fracture fillings and in amygdules. This zone was traced for about 300 metres. A second mineralized zone joins the first and consists of bornite in andesite exposed in trenches and in an adit dump.

WORK DONE: Linecutting, 6.8 kilometres; geochemical survey, 25 rock and 68 soil samples; ground magnetometer survey, 6.8 kilometres; and surface geological mapping, 1:2400, covering Texisle 1-4.

REFERENCES: Mineral Inventory 92F-223; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1971, p. 249; Assessment Reports 1932, 6335.

TEXADA MINE (Fig. E-1, NTS 92, No. 22)

LOCATION: Lat. 49° 42' Long. 124° 32' (92F/10E)
 NANAIMO M.D. Texada Island, southwest from Paxton Lake to the shore.

CLAIMS: EASTGATE (Lot 53), GOODALL FR. (Lot 234), LEROI (Lot 264), BOULDER NEST (Lot 265), JACK NORTH (Lot 266), YELLOW KID (Lot 267), LMC (Lot 268), CAMERON (Lot 182) plus LIME, LIME 14, 18, 20, LIME 1, 10 to 13, 15 and 16 Fractions, TML 3, 11, 13, 14, 30, 36 to 40, TML 6 to 10, 12, 15, 20, 41 to 43 Fractions, NEOX Fraction, VAL Fraction, and Lots 584 to 586.

OWNER: Ideal Cement Company (B.C.) Ltd.

OPERATOR: SHIMA RESOURCES LTD., Box 61, Gillies Bay.

DESCRIPTION: The mine closed in late 1976.

WORK DONE: Gravity survey covering all claims.

REFERENCES: Mineral Inventory 92F-106, 107, 257 to 259; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, pp. 179, 180.

NUTCRACKER (GEM) (Fig. E-1, NTS 92, No. 23)

LOCATION: Lat. 49° 44' Long. 124° 34.5' (92F/10E)
 NANAIMO M.D. Texada Island, 3 kilometres southwest of Vananda.

CLAIM: GEM (Lot 441).

OWNER: Mrs. E. L. Gordon.

OPERATOR: A. H. MANIFOLD, 1620 Howard Avenue, Burnaby V5B 3S4.

METALS: Gold, copper, silver, lead.

DESCRIPTION: Underlying the claim is a porphyry which contains clusters of feldspar phenocrysts. About 1.5 kilometres to the east the property is in contact with Triassic Marble Bay limestone. Mineralization occurs in a steeply dipping quartz vein varying in width from 0.6 metre to 1.2 metres. Pyrite is the most common sulphide. Minor amounts of chalcopyrite are present. According to old reports, there were some high but very erratic gold values and minor silver.

WORK DONE: Geochemical survey, 35 soil samples analysed for copper and zinc covering Gem.

REFERENCES: Mineral Inventory 92F-359; *Minister of Mines, B.C.*, Ann. Rept., 1903, p. 205; 1914, p. 381; 1916, p. 357; 1923, p. 259; 1924, p. 284; 1925, p. 248; 1926, p. 315; 1927, p. 358; 1928, p. 383; Assessment Report 6414.

IDEAL BASIC INDUSTRIES (Fig. E-1, NTS 92, No. 24)

LOCATION: Lat. 49° 45' Long. 124° 34' (92F/10E, 15E)
 NANAIMO M.D. Northwest end of Texada Island.

CLAIMS: VOLUNTEER (Lot 131), EUROPE (Lot 133), GREAT COPPER CHIEF (Lot 134), MARBLE BAY (Lot 154), TOOTHPICK FR. (Lot 140), COPPER QUEEN (Lot 40), CORNEL (Lot 201), McLEOD 3 to 5

(Lots 515 to 517), McLEOD 6 and 7 (Lots 518B and 519B), McLEOD 8 and 1 and 2 Fr. (Lots 520 to 522), LAP 1 to 4 FR. (Lots 523, 524B, 525, 526), LAP 5 and 6 (Lots 527 and 528), LAP 8 FR. (Lot 530B), MARBLE BAY 2 FR., STURT BAY 1 and 2, TRUE, BASIC 1 to 9, 11 to 13, 15, 16, 19, 20, 23, BASIC 24, 26, 28 Fractions, IDEAL 10, 14, 17, 18, 21, 22, 26, B-40882, B-40884, B-40886 to B-40889, B-41066, B-40900, ANN, ANN Fraction, IC 1 to 4, 11 to 16, and Mineral Leases M-1 and M-15.

OWNER: Ideal Basic Industries, Inc.
 OPERATOR: SHIMA RESOURCES LTD., Box 61, Gillies Bay, B.C.
 METALS: Copper, silver, gold.
 WORK DONE: Gravity and other geophysical surveys.
 REFERENCES: Numerous Mineral Inventory numbers; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 115, E 116.

DONNER — HEBER (Fig. E-1, NTS 92, No. 31)

LOCATION: Lat. 49° 44.5' Long. 125° 58' (92F/12W)
 ALBERNI M.D. Fourteen kilometres east-northeast of Muchalat, 2 kilometres west of Donner Lake.
 CLAIMS: DONNER 1 to 10, 42, 43, HEBER 3 to 6.
 OWNER: WALTER BABKIRK, 107 Woolridge Street, Coquitlam.
 METAL: Copper.
 DESCRIPTION: Chalcopyrite is reported to occur in volcanic breccia in drill core.
 WORK DONE: 1976 — surface diamond drilling, one hole totalling 61.3 metres on Heber 4.
 REFERENCES: Mineral Inventory 92F-202; *B.C. Ministry of Mines & Pet. Res.*, GEM, Exploration in B.C., p. E 116; Assessment Report 6281.

IRON HILL, MOORE (Fig. E-1, NTS 92, No. 30)

LOCATION: Lat. 49° 51.5' Long. 125° 33.5' (92F/13E)
 NANAIMO M.D. On the south side of Upper Quinsam Lake, at the mouth of Sihun and Hawkins Creeks.
 CLAIMS: MINE (2 units), COBALT (4 units), EUREKA (1 unit).
 OWNER: JAMES W. McLEOD, 4086 West 17th Avenue, Vancouver V6S 1A6.
 METALS: Copper, cobalt, iron.
 DESCRIPTION: The workings of the old Iron Hill (Argonaut) iron mine are located on the Mine claim.
 WORK DONE: Trenching, one trench 3 metres long on Mine (units 1 and 2) and one trench 3 metres long on Cobalt (units 1 to 4) and Eureka (unit 1).
 REFERENCES: Mineral Inventory 92F-75, 288; *Minister of Mines, B.C.*, Ann. Rept., 1916, p. 296; 1952, p. 221; 1957, p. 69; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 272; 1974, p. 182; Assessment Reports 3445, 5075.

1977

(92F/14)

MT. WASHINGTON COPPER (Fig. E-1, NTS 92, No. 29)

LOCATION: Lat. 49° 46' Long. 125° 18' (92F/14)
NANAIMO M.D. Twenty-two kilometres northwest of Courtenay, on Mount Washington.

CLAIMS: DOMINEER 1, 3, 4, 6 (Lots 91G to 94G), MWC 1 and 107 Fractions, MWC 101 to 161, 171 to 192, 201 to 218, 221 to 244, 247 to 252, 257, 258, 262, 264, 266, 269 to 276, 279 to 284, 289 to 292, 294, 296, 298, 300, 522, 524, 526.

OWNER: Mount Washington Copper Company Limited.

OPERATOR: IMPERIAL OIL LIMITED, 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, (molybdenum, gold, silver).

DESCRIPTION: Karmutsen Formation basalt is unconformably overlain by Comox Formation sedimentary rock. Both are intruded by Tertiary quartz diorite sills, stocks, dykes, and associated intrusive breccias. Sulphide mineralization is found in semi-massive flat-lying vein pods, as disseminations and fracture coatings in all rocks, and as pore fillings in porous, outer rims of breccias.

WORK DONE: Geochemical water sampling and leaching studies involving shake-flask tests on 95 stream samples taken on MWC 204 claim.

REFERENCES: Mineral Inventory 92F-116, 117, 206, 365; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 116, E 117; Assessment Report 6407.

DOROTHY FR. (Fig. E-1, NTS 92, No. 25)

LOCATION: Lat. 49° 45.5' Long. 124° 36' (92F/15E)
NANAIMO M.D. Texada Island, 3 kilometres west of Vananda, straddling the highway.

CLAIM: DOROTHY FR.

OWNER: DOROTHY M. PASSCHIER, General Delivery, Blubber Bay.

WORK DONE: Hand trenching.

REFERENCE: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 117.

BOLIVAR (Fig. E-1, NTS 92, No. 168)

LOCATION: Lat. 49° 46' Long. 124° 35' (92F/15E)
NANAIMO M.D. Texada Island, 1 kilometre west of the head of Sturt Bay.

CLAIMS: BOLIVAR 24, 101 to 107, 112 to 124, EAGLE 1 to 4, IRISH (3 units).

OWNER: LONGBAR MINERALS LTD., 12224 - 105th Avenue, Edmonton, Alta. T5M 0Y3.

METAL: Gold.

1977

(92F/15E)

DESCRIPTION: Gold occurs in three environments on the property: (a) erratic native gold in Marble Bay limestone (Bolivar showing), (b) in quartz veins in Texada greenstones (or Karmutsen volcanic rocks), and (c) in skarn deposits at or near the limestone/acidic intrusive contact.

WORK DONE: Reconnaissance geological survey covering part of the Bolivar claims; induced polarization (pulse type) survey, 27 kilometres, covering Bolivar and Irish.

REFERENCES: Mineral Inventory 92F-364; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. 103.

PARIS (Fig. E-1, NTS 92, No. 26)

LOCATION: Lat. 49° 47.5' Long. 124° 36.5' (92F/15E)
NANAIMO M.D. Texada Island, on the southeast shore of Blubber Bay.

CLAIMS: DENIS, PIERRE, FERRO 3, SUZANNE.

OWNER: JOSEPH MICHAUD, Box 168, Vananda VON 3K0.

METALS: Gold, silver, copper, iron, zinc.

WORK DONE: Road work, in preparation for drilling, 170 metres on Pierre and Denis.

REFERENCES: Mineral Inventory 92F-266; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 118.

JOHN BULL, FLORENCE (Fig. E-1, NTS 92, No. 27)

LOCATION: Lat. 49° 57' Long. 124° 42' (92F/15E)
VANCOUVER M.D. Fifteen kilometres northwest of Powell River, between Highway 101 and Emmonds Beach.

CLAIMS: LUN 1 to 14.

OWNER: Longbar Minerals Ltd.

OPERATOR: AQUARIUS RESOURCES LTD., 100, 12225 — 105th Avenue, Edmonton, Alberta T5M 0Y3.

METALS: Zinc, copper, gold, silver.

DESCRIPTION: Sphalerite, with minor chalcopyrite, occurs in altered limestone inliers within Coast Range granodiorites. The limestones have been intensely faulted and intruded by basic, felsitic, and granodiorite dykes.

WORK DONE: Surface diamond drilling, 15 BQ holes totalling 548.6 metres on Lun 7, 12, and 14.

REFERENCES: Mineral Inventory 92F-146, 147, 148; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 104; Assessment Reports 4961, 5439.

1977

(92F/16W)

HI, HO (SPRING LAKE) (Fig. E-1, NTS 92, No. 28)

LOCATION: Lat. 49° 57' Long. 124° 22' (92F/16W)
VANCOUVER M.D. Fifteen kilometres northeast of Powell River, between Haslam, Lewis, and Ireland Lakes and Tin Hat Mountain.

CLAIMS: HO 1 to 10, IN 1 to 10, TWY 1 and 2, IN 1 (1 unit), IN 2 (1 unit), SPRING (12 units), FALL (12 units), POT (9 units), DUE (9 units), JOB (9 units), TOPPER (9 units).

OWNERS: Golden Granite Mines Ltd. and Newvan Resources Ltd.

OPERATOR: RIO TINTO CANADIAN EXPLORATION LIMITED, 615, 555 Burrard Street, Vancouver V7X 1M8.

METALS: Copper, molybdenum.

DESCRIPTION: Coast Range hornblende granodiorite is locally represented by a biotite granodiorite. Alteration is evident in the form of silicification and kaolinization. Pyrite, chalcopyrite, and molybdenite occur as fracture fillings and disseminations.

WORK DONE: Surface geological mapping, 1:10 000, covering Job, Due, Pot, Fall, Topper, Spring, HO 1-4, and TWY 1, 2; blasting, 24 pits, on Fall, Pot, TWY 1, 2, and HO 1-4.

REFERENCES: Mineral Inventory 92F-292, 369, 371; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 119; Assessment Reports 5798, 6092, 6433.

VANCOUVER 92G

SPANAR (Fig. E-1, NTS 92, No. 41)

LOCATION: Lat. 49° 18' Long. 122° 22.5' (92G/8W)
NEW WESTMINSTER M.D. Nineteen kilometres north-northwest of Mission City and 1.5 kilometres south of Mount Crickmer.

CLAIM: SPANAR (1 unit).

OWNER: FRANK NOEL, 31750 Silverdale Avenue, Mission.

METALS: Gold, silver.

DESCRIPTION: Quartz diorite of the Coast Plutonic Complex contains disseminated pyrite. Several small quartz-filled shear zones are also mineralized with pyrite. An adit of about 5 metres length is present on the property.

WORK DONE: 1976 and 1977 — induced polarization survey, 0.8 metre; six samples assayed, on Spanar.

REFERENCES: Mineral Inventory 92G/SE-86; Assessment Report 6325.

LOGAN (Fig. E-1, NTS 92, No. 42)

LOCATION: Lat. 49° 17' Long. 122° 03' (92G/8E)
NEW WESTMINSTER M.D. Eleven kilometres north of Deroche and 4 kilometres southeast of Dickson Lake, at the head of Norrish Creek.

1977

(92G/9E)

CLAIM: LOGAN (12 units).
OWNER: Cleve Lowry.
OPERATOR: SECRETARIAT RESOURCES INC., 302, 750 West Pender Street, Vancouver.
METALS: Copper, zinc, bismuth.
DESCRIPTION: A sequence of volcanic flow and pyroclastic rocks, which correlate with the Middle Jurassic Harrison Lake Formation, has been mapped on the property. Widespread sulphide and oxide mineralization, associated with quartz vein stockworks which cut intermediate to acidic flows and tuffs, is composed of pyrite, pyrrhotite, chalcopyrite, sphalerite, and native bismuth.
WORK DONE: 1976 — surface geological mapping, 1:2400, covering Logan.
REFERENCES: Mineral Inventory 92G/SE-85; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, pp. 189, 190; Assessment Reports 5244, 6366.

HI (SHREW) (Fig. E-1, NTS 92, No. 44)

LOCATION: Lat. 49° 32' Long. 122° 01' (92G/9E)
NEW WESTMINSTER M.D. On Eagle Creek, 3 kilometres north of the Chehalis River.
CLAIM: SHREW (16 units).
OWNER: CHEVRON CANADA LIMITED, 901, 355 Burrard Street, Vancouver.
METALS: Copper, zinc.
DESCRIPTION: Minor pyrrhotite, pyrite, sphalerite, and chalcopyrite mineralization is present in probable Fire Lake volcanic-sedimentary rocks near their contact with Coast Range intrusive rocks. Rock types include felsic tuffs, cherts, andesitic lapilli tuffs, and a coarse andesitic volcanic breccia. Recrystallization and silicification are pervasive over a zone several hundred metres wide adjacent to the main intrusive rock.
WORK DONE: Surface geological mapping, 1:5000, and geochemical survey, 252 soil samples analysed for copper, zinc, and lead, covering Shrew.
REFERENCES: Mineral Inventory 92G/NE-73; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 119, E 120; Assessment Reports 3622, 6159, 6446.

LORI (Fig. E-1, NTS 92, No. 43)

LOCATION: Lat. 49° 42' Long. 122° 55' (92G/10W)
VANCOUVER M.D. On Mamquam River, east of Squamish.
CLAIMS: EGO, AMOR, WILLIAM, KATHY, DEF, ABC, ROSE, totalling 77 units.
OWNER: CREAM SILVER MINES LTD., 202, 900 West Pender Street, Vancouver.
METALS: Copper, molybdenum.
WORK DONE: Approximately 40 samples analysed for copper, molybdenum, and gold.
REFERENCES: Mineral Inventory 92G/NE-72, 84; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, pp. 238, 239.

1977

(92G/12W)

MC (Fig. E-1, NTS 92, No. 46)

LOCATION: Lat. 49° 36' Long. 123° 53' (92G/12W)
VANCOUVER M.D. Approximately 10 kilometres north of Halfmoon Bay, on Sechelt Peninsula.

CLAIMS: MC 1 to 5, PLAIN 1 to 18, RUBY 1.

OWNER: Rudy C. Riepe.

OPERATOR: STONEY PLAIN INDUSTRIES LTD., 8744 Joffre Avenue, Burnaby V5J 3L7.

METALS: Copper, silver, zinc, iron.

WORK DONE: 1976 — linecutting, 9.5 kilometres; road repair, 3 kilometres; road construction, 0.7 kilometre, covering Plain 1-18 and MC 1-5; 1977 — road work and trenching, four cuts totalling 1 200 metres plus preparation of six diamond-drill stations, on Plain 1-6.

REFERENCES: Mineral Inventory 92G/NW-81; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, pp. 240, 241; Assessment Report 4803.

WAR (Fig. E-1, NTS 92, No. 50)

LOCATION: Lat. 49° 39' Long. 123° 54' (92G/12W)
VANCOUVER M.D. Fourteen kilometres north of Halfmoon Bay, surrounding Lyon Lake.

CLAIMS: WAR A (10 units), WAR B (4 units).

OWNER: Longbar Minerals Ltd.

OPERATOR: AQUARIUS RESOURCES LTD., 100, 12225 — 105th Avenue, Edmonton, Alta. T5M 0Y3.

METALS: Copper, molybdenum.

DESCRIPTION: Roof pendants of large inclusions of the Jervis Group have been engulfed by granitic rocks of the Coast Plutonic Complex. The group consists of interlayered metavolcanic rocks, hornfels, and fine-grained amphibolite. Narrow feldspar porphyry dykes cut all other rocks. Both the pendant rocks and the granitic rocks are pyritized adjacent to their contacts. Minor disseminated chalcopyrite with traces of molybdenite occurs in a quartz stockwork in hornfels on the northeast shore of Lyon Lake.

WORK DONE: 1976 — surface diamond drilling, three FX holes totalling 17.4 metres on War A and War B and one AX hole totalling 52.4 metres on War A.

REFERENCES: Mineral Inventory 92G/NW-76; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, p. 241; Assessment Reports 3532, 3909, 4675, 6271.

SUNDOWN (Fig. E-1, NTS 92, No. 45)

LOCATION: Lat. 49° 39' Long. 123° 58' (92G/12W)
VANCOUVER M.D. Three kilometres northeast of the head of Pender Harbour and 3 kilometres southeast of Sakinaw Lake, on the east side of Highway 101.

1977

(92G/14W)

CLAIMS: JON 35, 36.
OWNER: LONGBAR MINERALS LTD., Box 129, Vananda.
METALS: Copper, molybdenum.
DESCRIPTION: The drill hole intersected altered, porphyritic, granitic rock containing fine, disseminated pyrite throughout. Minor chalcopyrite and traces of molybdenite were encountered.
WORK DONE: Surface diamond drilling, one AQ hole totalling 37.6 metres on Jon 35.
REFERENCES: Mineral Inventory 92G/NW-65; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, pp. E 106, E 107; Assessment Reports 5459, 6259.

ASHLU (Fig. E-1, NTS 92, No. 47)

LOCATION: Lat. 49° 57' Long. 123° 25' (92G/14W)
VANCOUVER M.D. Thirty-two kilometres northwest of Squamish, at the junction of Hellroaring and Ashlu Creeks.
CLAIMS: ASH, ASH 2, 3, 6 to 8, CLARA 3, TUFF, GOLD, SHEENA, SAM, totalling approximately 30 units.
OWNERS: Walter Babbirk, J. N. McLeod, and William Auld.
OPERATOR: ASHLU GOLD MINES LTD., 1416 Chardie Place, Calgary, Alta. T2V 2T6.
METALS: Gold, silver, copper, tungsten.
DESCRIPTION: A quartz vein follows a basic hornfels dyke which cuts Coast Range granites and granodiorites. The vein contains 10 to 20 per cent sulphides, mainly pyrite, and also carries gold tellurides. Scheelite occurs as stringers and blebs. The vein and dyke, which strike 011 degrees and dip 30 degrees west, have been traced for 490 metres and average 1.5 metres in width.
WORK DONE: Surface diamond drilling, four AXI holes totalling 600 metres on Ash 2, 10 AXI holes totalling 350 metres on Sheena, and 12 AXI holes totalling 450 metres on Tuff.
REFERENCES: Mineral Inventory 92G/NW-25; *Minister of Mines, B.C.*, Ann. Rept., 1924, p. 242; 1925, p. 299; 1930, p. 310; 1935, p. F1; 1937, p. F34, 1938, p. F68; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 107; 1976, pp. E 120, E 121; Assessment Reports 5592, 6043, 6155.

VENETIAN (Fig. E-1, NTS 92, No. 48)

LOCATION: Lat. 50° 00' Long. 123° 06' (92G/14E; 92J/3E)
VANCOUVER M.D. Five kilometres northeast of Garibaldi Village, along the east side of Daisy Lake.
CLAIMS: DAISY 1 to 8, FF 1 to 14, RON 1 to 12, J 1 to 10, S 1 to 26, JAN (9 units).
OWNER: ACACIA MINERAL DEVELOPMENT CORPORATION LTD., 429, 470 Granville Street, Vancouver V6C 1V5.

1977

(92G/16W)

METALS: Copper, gold, silver, lead, zinc.
WORK DONE: Trenching and pitting, 21 trenches totalling 344.7 metres in length and 89 pits 0.9 to 1.5 metres deep, covering Ron 1-12, J-1-10, S 1-26, and Jan; surface diamond drilling, two BQ holes totalling 132.3 metres on FF 9; geochemical survey, 281 soil samples analysed for copper, lead, zinc, and silver, covering FF 9, 10 and Daisy 5; VLF EM survey, 8.9 kilometres, covering FF 9, 10.
REFERENCES: Mineral Inventory 92G/NW-69; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 121; Assessment Reports 6114, 6514.

MAYFLOWER (DANDY) (Fig. E-1, NTS 92, No. 49)

LOCATION: Lat. 49° 56' Long. 122° 26' (92G/16W)
NEW WESTMINSTER M.D. Straddling Chief Paul Creek, 1.5 kilometres northwest of Skookumchuck.
CLAIMS: MONEY-MAKER (10 units).
OWNER: GEORGE L. NAGY, 48989 Elkview Road, RR 2, Sardis V0X 1Y0.
METALS: Gold, silver, lead, zinc.
DESCRIPTION: The claim covers the old Mayflower (Dandy) workings which consisted of a 48-metre crosscut tunnel and a 2-stamp mill. The mineralization occurs in a belt of pyritized breccia, 30 metres to 60 metres in width.
WORK DONE: Drilling and blasting, 30.5 metres; trenching, 9.1 metres; and line-cutting, 0.5 kilometre, on Money-Maker.
REFERENCES: Mineral Inventory 92G/NE-36; *Minister of Mines, B.C.*, Ann. Rept., 1904, p. 268; 1909, p. 278; 1930, p. 314; *Geol. Surv., Canada*, Mem. 335, p. 192.

HOPE 92H

ASH, NOLA (Fig. E-1, NTS 92, No. 57)

LOCATION: Lat. 49° 07.5' Long. 120° 20' (92H/1W)
OSOYOOS M.D. At the confluence of McBride Creek and Ashnola River.
CLAIMS: ASH, NOLA, MAX, CAT, JAM, Q, totalling approximately 40.
OWNER: Craigmont Mines Limited.
OPERATOR: PRISM RESOURCES LTD., 214, 850 West Hastings Street, Vancouver.
METALS: Copper, molybdenum.
DESCRIPTION: A sequence of acid volcanic rocks of probable Kingsvale age is intruded by quartz porphyry and by a plug of biotite quartz monzonite. Fracturing and pyritization are strong and extensive. Quartz vein stockwork and/or pervasive silicification are locally strong. Sericitization and kaolinization are also present. Mineralization consists of abundant and widespread pyrite with minor chalcopyrite, molybdenite, and possibly chalcocite. Malachite and ferrimolybdenite are alteration

products of chalcopyrite and molybdenite. A brief examination of the property indicated that fracturing and wallrock alteration crudely conform to a circular pattern centred on a small body of quartz monzonite.

WORK DONE: 1976 — geological mapping, 1:4800, covering Ash, Nola; geochemical survey, 33 rock samples analysed for copper and molybdenum, covering Nola 5, 7, 9-12.

REFERENCES: Mineral Inventory 92H/SE-94; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 61; 1976, p. E 76; Assessment Reports 2545, 2721, 3236, 3457, 5610, 5894, 6289.

TAN (Fig. E-1, NTS 92, No. 51)

LOCATION: Lat. 49° 01' Long. 121° 47' (92H/4W)
NEW WESTMINSTER M.D. Thirteen kilometres east-southeast of Cultus Lake, on Tamihi Creek.

CLAIMS: TAN 1 to 14, 17 to 50, AX 1 to 6, SO 1 to 9, DANE 1 (9 units).

OWNER: GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD., 715 Fifth Avenue SW., Calgary, Alta. T2P 2X7.

METALS: Zinc, copper, (silver).

DESCRIPTION: The property is underlain by a series of acid to intermediate volcanic and volcanoclastic rocks deposits in a shallow sea volcanic centre environment. Low-grade sphalerite and chalcopyrite, with pyrite, occur in direct association with acidic breccias which appear to be stratiform. Permian limestones have been documented and the Chilliwack volcanic rocks are believed to be carboniferous.

WORK DONE: Airborne electromagnetic and magnetometer survey, 225 kilometres, covering all claims.

REFERENCES: Mineral Inventory 92H/SW-85; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 76, E 77.

SENECA (HARRISON) (Fig. E-1, NTS 92, No. 56)

LOCATION: Lat. 49° 19' Long. 121° 57' (92H/5W)
NEW WESTMINSTER M.D. Twelve kilometres west of Harrison Hot Springs, 2 kilometres north of the Chehalis River bridge.

CLAIMS: DOROTHY 1 to 10 (140 units), a restaking of JOY, CHEHALIS, BONANZA, HARRISON, LYN, DOROTHY, C, LUCKY JIM, ZIP, HILL, POT, LH, SNO, MZ, S claims.

OWNERS: Isaac Miller, Dorothy Miller, Zenith Mining Corporation Ltd., and Cominco Ltd.

OPERATOR: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver V6C 2G8.

METALS: Zinc, copper, lead, silver.

DESCRIPTION: Fragmental sphalerite and chalcopyrite are present at or near the stratigraphic top of the Harrison Lake Formation of predominantly

1977

(92H/5W)

felsic pyroclastic rocks. Overlying units are felsic to intermediate pyroclastic rocks and flows and argillaceous or cherty sedimentary rocks. Many characteristics of Kuroko-type mineralization are present. The stratigraphy in general strikes north-south and dips at a shallow angle to the east, but is complicated by block faulting.

WORK DONE: Prospecting covering lower Chehalis River and S 2 creek area on Dorothy 1-3 claims (Zip, LH, Bonanza, Lyn); linecutting, 40.5 kilometres, covering Dorothy 1-4 (Pot, LH, Joy), geochemical survey, 823 soil samples analysed for copper, lead, and zinc, covering Dorothy 2-4 (Pot, LH, Joy); geological mapping (east of pit, pit area, area 38, construction of scale model, footwall fragmental study), covering Dorothy 1 (Harrison 1, 2, Lucky Jim); ground electromagnetic and induced polarization surveys covering Dorothy 1 (Harrison 1, 2, Lucky Jim); road construction, 2.6 kilometres, on Dorothy 2.

REFERENCES: Mineral Inventory 92H/SW-13; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 77, E 78; Assessment Reports 6328, 6453.

ARANY, EMILE (RYE) (Fig. E-1, NTS 92, No. 55)

LOCATION: Lat. 49° 20' Long. 121° 51' (92H/5W)
NEW WESTMINSTER M.D. Six kilometres northwest of Harrison Hot Springs and 2.5 kilometres southeast of Weaver Lake.

CLAIMS: RYE 1 to 5, 13, 15, MAD (6 units).

OWNER: AARON MINING LTD., 204, 8260 Granville Avenue, Richmond V6Y 1P3.

METALS: Gold, silver, zinc.

WORK DONE: Magnetometer survey, 6.4 kilometres, covering all claims.

REFERENCES: Mineral Inventory 92H/SW-70; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 63; Assessment Reports 5421, 5735, 6181.

ROBYN (Fig. E-1, NTS 92, No. 54)

LOCATION: Lat. 49° 22.5' Long. 121° 53' (92H/5W)
NEW WESTMINSTER M.D. Eleven kilometres northwest of Harrison Hot Springs, on the south side of Brett Creek, 2.5 kilometres west of Harrison Lake.

CLAIMS: ROBYN 1 (20 units), ROBYN 4 (10 units), ROBYN 5 (5 units).

OWNER: Corby Hilton Stanley.

OPERATOR: BISHOP MINES LTD., 502, 409 Granville Street, Vancouver V6C 1T2.

METALS: Copper, zinc.

DESCRIPTION: The property is underlain by intrusive rocks, mainly granodiorites, in the northeast and by a mixture of andesitic lavas, agglomerates, tuffs, and breccia in the remainder. Pyrite, chalcopyrite, sphalerite, and magnetite mineralization is found in abundance over the entire property.

1977

(92H/5W)

WORK DONE: Induced polarization survey, 4.5 kilometres, and gravity survey, 6 kilometres, covering all claims.

REFERENCES: Mineral Inventory 92H/SW-95; *B.C. Ministry of Mines & Pet. Res.*, GEM 1974, p. 103; Assessment Reports 4977, 5001, 6344.

BIGFOOT (SASQUATCH) (Fig. E-1, NTS 92, No. 52)

LOCATION: Lat. 49° 26' Long. 121° 51' (92H/5W)

NEW WESTMINSTER M.D. Fifteen kilometres north-northwest of Harrison Hot Springs, on the west shore of Harrison Lake.

CLAIMS: BIGFOOT, SASQUATCH, BF 1 to 3, totalling 45 units.

OWNER: H. Barley.

OPERATOR: McINTYRE MINES LIMITED, 1003, 409 Granville Street, Vancouver V6C 1T2.

METALS: Copper, lead, zinc, silver.

DESCRIPTION:

The southern half of the west side of Harrison Lake is underlain by Upper Triassic to Lower Cretaceous marine sedimentary and volcanic rocks of which the major formation is the 1 500 to 3 000-metre-thick Harrison Lake Formation of Middle Jurassic age. This unit is a complex acid to basic volcanic pile including pyroclastic rocks, flows, and minor volcanic-derived sedimentary rocks.

About 6 kilometres north of the south end of Harrison Lake along its west side, the lowest part of the formation is exposed in an anticlinal structure. This section consists of at least 300 metres of argillite, schist, sandstone, and conglomerate which grades upward into pyroclastic rocks and flows.

The property is underlain by flows and pyroclastic rocks of the Harrison Lake Formation. This section consists of dacitic and andesitic lapilli tuff overlain by dacitic tuff and cherty tuff, which were in turn overlain by silicified dacitic tuffs, andesite tuffs, and andesite flows.

Sulphide mineralization consisting of pyrite, sphalerite, pyrrhotite, and a little chalcopyrite with quartz and barite occurs as veins, patches, and disseminations in the silicified dacitic tuff. The mineralization is exposed in five narrow showings along the main logging road and two side roads. The composite mineralized section extends north 70 degrees west over a length of 600 metres with a width of 60 to 100 metres. The individual veins range from 0.5 centimetre to 30 centimetres in width and most dip steeply north.

WORK DONE: Geological and geochemical mapping, 1:2400, covering all claims.

REFERENCES: Mineral Inventory 92H/SW-94; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 78; Assessment Report 6566.

KU (Fig. E-1, NTS 92, No. 53)

LOCATION: Lat. 49° 29' Long. 121° 59' (92H/5W)

NEW WESTMINSTER M.D. Twenty-seven kilometres north of Harrison Mills, 2 kilometres northeast of the north end of Chehalis Lake.

CLAIMS: KU 1 to 52, KU 1 and 2 Fractions.
 OWNER: Chevron Canada Limited.
 OPERATOR: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver.
 METALS: Copper, zinc, lead.
 DESCRIPTION: Sphalerite, galena, and minor chalcopryite occur in fragmental volcanic rocks of intermediate composition, at or near the upper contact of the Harrison Lake Formation volcanic rocks. These are overlain by argillites of the Echo Island Formation.
 WORK DONE: Surface diamond drilling, four BQ holes totalling 792.8 metres, on KU 4, 9, 12, 13.
 REFERENCES: Mineral Inventory 92H/SW-95; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 65; Assessment Reports 3729, 4838, 5322, 5755, 6499.

SILVERTIP (Fig. E-1, NTS 92, No. 59)

LOCATION: Lat. 49° 16' Long. 120° 45' (92H/7)
 SIMILKAMEEN M.D. On the north side of Whipsaw Creek, halfway between Fortyone and Fortyseven Mile Creeks.
 CLAIMS: SILVERTIP 1 and 2, OK 1 to 8, M 1 Fraction, Mineral Lease M-30 (Lots 172, 1549 to 1553).
 OWNER: F. Christian, J. Caruso, and A. Sylvester.
 OPERATOR: H. P. HUFF, Princeton.
 METALS: Gold, silver, copper, lead, zinc, cadmium.
 DESCRIPTION: Veins occur in chlorite and amphibolite schist.
 WORK DONE: Drifting, 30.5 metres on OK 1.
 REFERENCES: Mineral Inventory 92H/SE-120; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 81.

JILL, TOW, JJJ (Fig. E-1, NTS 92, No. 60)

LOCATION: Lat. 49° 18.5' Long. 120° 35' (92H/7E)
 SIMILKAMEEN M.D. On Deep Gulch and Friday Creeks, 2.5 kilometres west of the Similkameen River.
 CLAIMS: NORMA (10 units).
 OWNER: GILFORD RESOURCES LTD., 1620, 1701 Georgia Street, Vancouver.
 METAL: Copper.
 DESCRIPTION: The claim is underlain by Nicola andesite and by Princeton volcanic rocks and lies just west of the Copper Mountain stock.
 WORK DONE: Geological mapping; geochemical survey, 270 soil samples analysed for copper; magnetometer survey, 26.5 kilometres; electromagnetic survey, 26.5 kilometres; trenching, six trenches cleared, extended, and deepened, 150 metres; quartz veins exposed in trenches assayed for gold and mercury, covering Norma.
 REFERENCES: Mineral Inventory 92H/SE-103; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1969, p. 287; Assessment Reports 948, 1601, 2243, 6635.

1977

(92H/7E, 8W)

COPPER MOUNTAIN (Fig. E-1, NTS 92, No. 61)

LOCATION: Lat. 49° 20' Long. 120° 30' (92H/7E, 8W)
SIMILKAMEEN M.D. Fifteen kilometres south of Princeton, bordering the Ingerbelle mine on the east and south.

CLAIMS: Forty-eight claims held by location, including BEM, ELEPHANT, and QUEEN; 46 claims held by lease, including Mineral Leases M-39, 40, 42, 44 to 47, 49, 59, 66; and 39 Crown-granted claims, including ALABAMA (Lot 2429), DUKE OF YORK (Lot 63S), and FALUM (Lot 416S).

OWNER: NUFORT RESOURCES INC., 908, 330 Bay Street, Toronto, Ontario M5H 2S8.

METALS: Copper, silver, gold, iron.

DESCRIPTION: Two intrusive bodies of coarse-grained plutonic rocks, of variable composition from syenite to gabbro, intrude volcanic rocks of the Nicola Group. Generally mineralization occurs as disseminated chalcopryrite in fracture zones in Nicola volcanic rocks. Mineralization in the Voigt stock, on Crown grants Frisco and No. 14, consists of chalcopryrite, bornite, and hematite with spotty gold and silver.

WORK DONE: Bulldozer trenching, four trenches totalling 440.4 metres on No. 18 (Lot 3288) and three trenches totalling 280 metres on Benard (Lot 2007S).

REFERENCES: Mineral Inventory 92H/SE-7 to 9, 12 to 22, 31, 107, 116, 118; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 81, E 82.

ALLENBY TAILINGS (Fig. E-1, NTS 92, No. 62)

LOCATION: Lat. 49° 25' Long. 120° 31.5' (92H/7E)
SIMILKAMEEN M.D. At Allenby, 4.5 kilometres south-southwest of Princeton.

CLAIM: ABO (3 units).

OWNER: A. Band.

OPERATOR: ABACUS INDUSTRIES LTD., 55, 200 Granville Street, Vancouver V6C 1S4.

METALS: Gold, copper.

WORK DONE: Abacus Industries Ltd. is engaged in reworking the old Allenby tailings with the view of recovering metals and entering into a research program for the use of tailings in industry. A pilot mill has been built processing initially about 250 tonnes per day on a test basis. Terracon Products Ltd., of Victoria, is heading the tailings research program for commercial uses. Abacus is continuing experimentation concerning environmental control and management of tailings ponds. About 1 500 cubic metres of tailings was tested and stockpiled.

REFERENCE: Mineral Inventory 92H/SE-139.

1977

(92H/7E)

MAY (Fig. E-1, NTS 92, No. 58)

LOCATION: Lat. 49° 26.5' Long. 120° 41.5' (92H/7E)
SIMILKAMEEN M.D. Five kilometres southeast of Blakeburn and 2 kilometres east of Granite Creek.

CLAIMS: MAY 1 to 6.

OWNERS: HARRY A. SHANNON AND PARTNERS, Box 522, Osoyoos V0H 1V0.

METALS: Gold, silver, copper.

DESCRIPTION: Quartz veins occur in hornblende gabbro or hornblendite.

WORK DONE: Minor trenching and sampling.

REFERENCE: Mineral Inventory 92I/SE-134 ?.

TUL (Fig. E-2, NTS 92, No. 63)

LOCATION: Lat. 49° 29' Long. 120° 31.5' (92H/7E)
SIMILKAMEEN M.D. Immediately north of the Princeton airstrip.

CLAIMS: PRINCE 43 (9 units), PRINCE 44 (10 units), PRINCE 45 (20 units), PRINCE 46 (4 units).

OWNER: John M. McAndrew.

OPERATOR: CONWEST EXPLORATION COMPANY LIMITED, 1010, 85 Richmond Street West, Toronto, Ontario M5H 2G1.

METAL: Copper.

DESCRIPTION: Tertiary sedimentary rocks containing pyrite overlie Triassic Nicola Group volcanic rocks.

WORK DONE: Percussion drilling, one hole totalling 91.5 metres on Prince 44 and one hole totalling 79.5 metres on Prince 43.

REFERENCES: Mineral Inventory 92H/SE-99; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1969, pp. 282, 283; 1970, p. 388; Assessment Report 6428.

CEE (Fig. E-1, NTS 92, No. 65)

LOCATION: Lat. 49° 26.5' Long. 120° 24' (92H/8W)
SIMILKAMEEN M.D. Eight kilometres east of Princeton, on the south bank of the Similkameen River.

CLAIMS: A, B 1, C, CEE (totalling 15 units).

OWNER: MT. D'ARCY EXPLORATIONS LTD., 341 Main Street, Penticton.

METAL: Copper.

DESCRIPTION: Chalcopyrite occurs in veinlets and as disseminated grains in coarse-grained granite near the contact with Nicola volcanic rocks. Some bornite and minor chalcocite occur.

WORK DONE: 1976 — surface diamond drilling, two BQ holes totalling 186.5 metres on CEE.

REFERENCES: Mineral Inventory 92H/SE-140; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 123 (A, B); Assessment Reports 3676, 3902, 6309.

1977

(92H/8W)

BTU (Fig. E-1, NTS 92, No. 64)

LOCATION: Lat. 49° 29' Long. 120° 29' (92H/8W)
SIMILKAMEEN M.D. Four kilometres northeast of Princeton, on Allison and Deer Valley Creeks.

CLAIMS: BTU 1 to 7 (44 units).

OWNER: C. J. Robertson.

OPERATOR: QUINTANA MINERALS CORPORATION, 2475 North Jack Rabbit Avenue, Tucson, Arizona 98705.

METAL: Copper.

DESCRIPTION: The area is underlain by Nicola Group volcanic rocks cut by granodiorite. The claims are partly covered by Tertiary sedimentary rocks.

WORK DONE: Linecutting and induced polarization survey, 10 kilometres on BTU 1, 5.

REFERENCES: Mineral Inventory 92H/SW-78; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, pp. 117, 118 (GE, VI); Assessment Reports 251 (Regal), 448 (GE), 6336.

HED (Fig. E-1, NTS 92, No. 66)

LOCATION: Lat. 49° 21' Long. 120° 09' (92H/8E)
SIMILKAMEEN M.D. Five kilometres west of Hedley, 2 kilometres south of the Similkameen River, 1.5 kilometres west of Henri Creek.

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 801, 161 Eglinton Avenue East, Toronto, Ontario M4P 1J5.

CLAIMS: HED 1 to 5 (9 units).

METALS: Arsenic, gold, zinc.

DESCRIPTION: A gabbro dyke intrudes folded and regionally metamorphosed argillites and arenites. Breccias and hornfels have zones of arsenic/gold mineralization.

WORK DONE: Road construction, 1 kilometre; drilling, two BQ holes totalling 269 metres.

REFERENCES: Mineral Inventory 92H/SE-138; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 83.

McNULTY (Fig. E-1, NTS 92, No. 67)

LOCATION: Lat. 49° 26.5' Long. 120° 07.5' (92H/8E)
OSOYOOS M.D. Ten kilometres north-northwest of Hedley, on the west side of McNulty Creek.

CLAIMS: McNULTY 1 (12 units), McNULTY 2 (18 units).

OWNER: LACANA MINING CORPORATION, 312, 409 Granville Street, Vancouver.

METAL: Radioactive occurrence.

DESCRIPTION: Princeton Group Tertiary basalts overlie grey granodiorite of the Similkameen batholith. Radiometric and geochemical anomalies have been found near the base of the basalt.

1977

(92H/9E)

WORK DONE: Linecutting, 10.5 kilometres on McNulty 2; geochemical survey, seven water samples; prospecting; scintillometer survey, 10.5 kilometres on grid about 4 kilometres random, covering McNulty 2; geological mapping, 1:4000, covering McNulty 2 (18 units).

DECANO (Fig. E-1, NTS 92, No. 74)

LOCATION: Lat. 49° 43.5' Long. 120° 01' (92H/9E)
SIMILKAMEEN M.D. Twelve kilometres east of Bankeir, on the north side of Trout Creek.

CLAIMS: SPIRIT, SPIRIT 1 to 4 (totalling 72 units).

OWNER: IAN GRAHAM SUTHERLAND, 107, 325 Howe Street, Vancouver.

METAL: Molybdenum.

DESCRIPTION: The claims are underlain by granodiorite and porphyritic quartz monzonite of the Nelson intrusions. Molybdenite and ferrimolybdenite occur in quartz-sericite-pyrite alteration zones of the quartz monzonite.

WORK DONE: 1976 – surface geological mapping, 1:300, covering Spirit.

REFERENCES: Mineral Inventory 92H/NE-27; *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 217; Assessment Reports 1141 (Glen), 2224, 6563.

LUCKY STRIKE (FH, BONACCI ?) (Fig. E-1, NTS 92, No. 75)

LOCATION: Lat. 49° 33' Long. 120° 27' (92H/9W)
SIMILKAMEEN M.D. Surrounding, and to the east of, Jura.

CLAIMS: PIONEER 1 to 7 (totalling approximately 46 units).

OWNER: Corbin Robertson.

OPERATOR: QUINTANA MINERALS CORPORATION, 2475 North Jack Rabbit Avenue, Tucson, Arizona 98705.

METALS: Copper, gold.

DESCRIPTION: The Pioneer 1 claim is underlain by a complex assemblage of Nicola volcanic and Summers Creek plutonic rocks. The intrusive rocks, with the exception of a large granodiorite dyke, are probably comagmatic with the volcanic rocks, and are therefore presumably of Late Triassic to Early Jurassic age. The volcanic rocks, and some of the more hypabyssal appearing intrusive rocks are involved in a porphyry-copper-type alteration zone. This zone is characterized by high pyrite-chalcopyrite ratios, anomalous gold, dominantly disseminated sulphides, strong sericite negative correlation between epidote and copper, and by the absence of both a potassic core and a central porphyry intrusion. This zone trends north, and the area which might contain 0.2 per cent to 0.5 per cent copper widens northerly from 75 metres to about 250 metres over 400 metres of strike length. At this point, the alteration zone is offset at least 400 metres by an apparent right lateral fault. Only the west edge of the northern, offset part of the alteration zone crops out. The remainder, with unknown but most interesting potential, lies under cover to the east. The zone is probably the upper part of a porphyry copper alteration system.

1977 (92H/9W, 10E)

WORK DONE: Surface geological mapping, 1:2400 and geochemical survey, 47 rock samples, covering Pioneer 1.

REFERENCES: Mineral Inventory 92H/NE-24; *Minister of Mines, B.C.*, Ann. Rept., 1927, p. 248; 1928, p. 263; 1942, p. A69 ?; 1960, p. 57; *Geol. Surv., Canada*, Mem. 243, p. 91; Assessment Reports 318, 6292.

UP (Fig. E-1, NTS 92, No. 76)

LOCATION: Lat. 49° 32' Long. 129° 29.5' (92H/9W, 10E)

SIMILKAMEEN M.D. From 3 to 11 kilometres north of Princeton, on Allison Creek and the east side of Summers Creek.

CLAIMS: UP 1 to 4, 6 to 9 (totalling approximately 100 units).

OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver V6C 2R2.

DESCRIPTION: Drilling indicated a sedimentary succession of grits, sandstones, shales, mudstones, claystones, and some coalified material of the Allenby Formation.

WORK DONE: Surface diamond drilling, one BQ/AQ hole totalling 304.8 metres on UP 1.

REFERENCE: Assessment Report 6523.

AT (Fig. E-1, NTS 92, No. 78)

LOCATION: Lat. 49° 37.5' Long. 120° 37' (92H/10E)

SIMILKAMEEN M.D. On the west side of Allison Creek, 1.5 kilometres west of Laird Lake, immediately south of Dry Lake.

CLAIM: ACE (20 units).

OWNER: CARDERO RESOURCES LTD., c/o McInnes & Newman, 700 West Georgia Street, Vancouver V7Y 1G2.

METALS: Copper, zinc, silver.

DESCRIPTION: Mineralization is exposed in the Nicola andesite near a faulted contact with the Mount Pike stock. Extensive shearing and alteration are evident.

WORK DONE: Surface geological mapping; magnetometer survey, 34 kilometres, 100-metre by 150-metre grid; and geochemical survey, 308 samples analysed for copper, covering Ace (20 units); six trenches cleaned out, widened, and deepened; road cleared and graded.

REFERENCES: Mineral Inventory 92H/NE-120; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, pp. 141, 142; Assessment Report 4349.

RUM (Fig. E-1, NTS 92, No. 77)

LOCATION: Lat. 49° 44' Long. 120° 32' (92H/10E)

SIMILKAMEEN M.D. Four kilometres southwest of the south end of Missezula Lake.

CLAIMS: RUM 219 to 316, 319, 321 to 325, 459, 461 to 473.

1977

(92H/10W)

OWNER: RUSKIN DEVELOPMENT LTD., 202, 900 West Pender Street, Vancouver V6C 1L1.
METAL: Copper.
WORK DONE: 1976 — induced polarization survey, 16 kilometres, covering Rum 299-304, 307-312, 319, 321-324, 459, 461-466, 469-473.
REFERENCES: Mineral Inventory 92H/NE-99; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 84, E 85.

SPOKANE, RED BIRD (LODE) (Fig. E-1, NTS 92, No. 79)

LOCATION: Lat. 49° 35' Long. 120° 49' (92H/10W)
SIMILKAMEEN M.D. Three kilometres west of Otter Lake, on both sides of Lockie Creek.
CLAIMS: JOHN 1 to 8 (totalling 36 units).
OWNER: Harold J. Adams.
OPERATOR: JOHN D. ABROSIMO, Box 1546, Princeton VOX 1W0.
METALS: Copper, silver, zinc, lead, gold.
DESCRIPTION: The property is underlain by andesitic volcanic rocks of the Nicola Group. Formations observed were generally flows, but in some areas andesitic fragmental rocks and tuffaceous horizons are interlayered with the flows. The agglomeratic formations are composed of felsic fragmental rocks up to 25 millimetres in length in an andesite matrix. General strike of the andesitic flows is north 35 degrees west with dips southwest varying from 20 degrees to 70 degrees. A few porphyritic siliceous sills and dykes were seen intruding the volcanic rocks. The border of a large Jurassic and Cretaceous intrusion lies 1.6 kilometres east of the property. Most of the mineralization consists of massive sulphide zones predominantly composed of fine pyrite with bands of disseminated chalcopyrite. The mineralized zones occur in *en echelon* manner maintaining a north 25-degree west to north 45-degree west strike.
WORK DONE: Prospecting and road work, covering all claims.
REFERENCES: Mineral Inventory 92H/NE-19, 20; *Minister of Mines, B.C.*, Ann. Rept., 1913, p. 235; 1924, p. 170; 1928, pp. 268, 269; 1929, p. 279; 1966, p. 175; 1967, p. 177; Assessment Report 1156.

AURUM, IDAHO, PIPESTEM (Fig. E-1, NTS 92, No. 68)

LOCATION: Lat. 49° 31' Long. 121° 18' (92H/11W)
NEW WESTMINSTER M.D. At the head of Ladner and Siwash Creeks, 11 kilometres southeast of Yale.
CLAIMS: AURUM 1 to 6 (Lots 1236 to 1241), IDAHO (Lot 1234), TRAMWAY (Lot 1235), HOME GOLD 1 to 15, GOLD STAR 1 to 4, CABIN 1 to 14, CABIN 20 and 21 Fractions, CARO 1 to 26, 29, 30, CARO 1 to 3, 5, and 6 Fractions, DI (20 units), PCR 1 (6 units), PCR 2 (2 units).
OWNERS: Carolin Mines Ltd. and Summit Mining Co. Ltd.

1977

(92H/11W)

OPERATOR: CAROLIN MINES LTD., 850 West Hastings Street, Vancouver.

METALS: Gold, silver, copper.

DESCRIPTION:

The geology of the area has been described in various Geological Survey of Canada publications including Summary Report, 1919, Part B; 1920, Part A; Memoir 139, Coquihalla River Area, 1924; and Summary Report, 1929, Part A; and in the British Columbia Ministry of Mines and Petroleum Resources publication, Geological Fieldwork, 1975, pages 53 and 54.

The Carolin claims straddle the north-trending Coquihalla serpentine belt which lies between the Paleozoic Cache Creek (Hozameen) Group on the west and the Upper Jurassic Ladner slates on the east. Cache Creek rocks consist chiefly of interbedded cherts and shales and the Ladner Group is predominantly slates and argillites. The Idaho zone lies within what is believed to be the Lower Ladner Group and the regional trend of the host rocks is northwesterly. Rock units dip at steep to moderate angles northeasterly in the Idaho zone area. The serpentine contact is some 200 to 300 metres west of the Idaho zone, and this contact is nearly vertical. The host rocks of the Idaho zone are greywackes, argillites, and slates which have been variously albitized, carbonatized, and silicified. The upper Idaho mineralized band appears to conform to the general bedding attitudes of the Ladner slates.

In the Idaho zone anomalously high gold values are found in silicified albite-carbonate bands which contain up to 20 per cent by volume sulphides and arsenides. Normally pyrrhotite and pyrite are the most abundant metallic minerals followed by arsenopyrite and chalcopyrite. Visible native gold is not common.

The sulphides and arsenides occur in streaks and bands within the altered, fractured host rocks as well as in disseminations for some distance on each side of the well-mineralized zones. Gold values are moderately uniform and the gold appears to be associated with pyrite.

A generalized and simplified vertical geological section through the Idaho from top to bottom may be described as follows:

- (a) non-mineralized argillite
- (b) grey-green greywacke, becoming fractured and chloritic
- (c) upper mineralized Idaho zone of albite-carbonate rock containing appreciable gold values
- (d) black to grey (graphitic) slates
- (e) lower mineralized Idaho zone
- (f) unmineralized greywacke to conglomerate with narrow mineralized bands.

Mineralization is best classified as A. H. Lang's 'E' type of ore, that is 'sulphide replacement — consisting chiefly of auriferous arsenopyrite, pyrite and pyrrhotite.'

Silver values are generally low (that is, less than 35 grams per tonne) and copper is often present in the 100 to 300-gram-per-tonne range within the auriferous zones.

WORK DONE: Underground work, 269.7 metres of 2.6 metre by 2.6 metre decline at —20 per cent and 67.7 metres of crosscutting; underground drilling, 13

1977

(92H/11E)

AQ holes totalling 470 metres; 23-tonne-per-hour sample spilling plant; and underground geology and sampling, covering Idaho.

REFERENCES: Mineral Inventory 92H/NW-3, 6 to 11, 13, 14, 48; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 72.

RED BOG (Fig. E-1, NTS 92, No. 72)

LOCATION: Lat. 49° 42' Long. 121° 00.5' (92H/11E)
NICOLA M.D. Straddling the Coquihalla River, 7 kilometres north of Coquihalla Lake.

CLAIMS: RED BOG (6 units).

OWNER: WESTERN MINES LIMITED, 1103, 595 Burrard Street, Box 49066, Vancouver V7X 1C4.

METAL: Molybdenum.

DESCRIPTION: Fracture filling and disseminated molybdenite occurs within Eagle granodiorite.

WORK DONE: Surface geological mapping, 1:4800, covering Red Bog (6 units).

REFERENCE: Mineral Inventory 92H/NW-50.

STEM (Fig. E-1, NTS 92, No. 70)

LOCATION: Lat. 49° 33' Long. 121° 19.5' (92H/11W)
NEW WESTMINSTER M.D. Eight kilometres east-southeast of Yale, at the headwaters of the south branch of Siwash Creek.

CLAIMS: STEM 1 to 12, DICK (12 units), SPID (6 units).

OWNER: LONGBAR MINERALS LTD., c/o Cochrane Consultants, 4882 Delta Street, Delta.

METAL: Gold.

DESCRIPTION: The property lies along the Coquihalla gold belt between the property of Carolin Mines Ltd. on Ladner Creek and the Siwash gold camp. The western portion of the property is underlain by serpentine and the eastern portion by the Ladner slates. Due to extensive overburden, indirect methods of prospecting have been employed (such as geochemical and geophysical surveys).

WORK DONE: Magnetometer survey, 10 kilometres and geochemical soil survey, covering Stem 5-8; reconnaissance geochemical surveying and geology prospecting on Spid and Dick.

REFERENCE: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 83.

SPUZ (Fig. E-1, NTS 92, No. 69)

LOCATION: Lat. 49° 37' Long. 121° 22' (92H/11W)
NEW WESTMINSTER M.D. Centred 9 kilometres northeast of Yale, extending northward from Siwash Creek to Hidden Creek, a distance of 9 kilometres.

1977 (92H/11W)

CLAIMS: SPUZ A (10 units), SPUZ B (12 units), SPUZ G (2 units), MAJ (12 units), RODD B (8 units).

OWNER: LONGBAR MINERALS LTD., c/o Cochrane Consultants, 4882 Delta Street, Delta.

METAL: Gold.

DESCRIPTION: The claims lie along the north end of the Coquihalla gold belt and straddle the Hozameen fault. Serpentine lies to the west of the fault and the Ladner Group slates to the east. In the area gold occurs in four types of environments, namely: quartz vein; replacement in Ladner slates; brecciated and silicified sills; and a quartz-carbonate-green mica zone close to the Hozameen fault.

WORK DONE: Road construction, 1.75 kilometres (access) on Rodd B; geological mapping covering all claims; ground magnetometer survey, 20 kilometres; geochemical survey; and linecutting, 26 kilometres, covering Spuz B and Rodd B; surface diamond drilling, 11 AQ holes totalling 550 metres on Spuz claims.

REFERENCE: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 86.

PIPE (Fig. E-1, NTS 92, No. 71)

LOCATION: Lat. 49° 37' Long. 121° 28' (92H/11W)
NEW WESTMINSTER M.D. Six kilometres northwest of Yale, on Sawmill Creek, 4.5 kilometres west of the Fraser River.

CLAIMS: JAY 1 (4 units), JAY 2 (2 units), JAY 3 (2 units), JAY 4 (2 units).

OWNER: AMAX POTASH LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.

METALS: Molybdenum, copper, zinc.

DESCRIPTION: Disseminated molybdenite occurs in a small rhyolite breccia pipe which intrudes quartz diorite of the Spuzzum batholith. A zone of ring fractures and pyritization surrounds the breccia pipe.

WORK DONE: 1976 — geochemical survey, 140 soil, 13 rock, and 9 silt samples, covering Jay 1-3; 1977 — linecutting, 8 kilometres and induced polarization survey, 7 kilometres, covering all claims; road repair, 1.5 kilometres.

REFERENCES: Mineral Inventory 92H/NW-44; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, pp. 133, 134; Assessment Reports 3797, 6262, 6472.

JERRY (Fig. E-1, NTS 92, No. 73)

LOCATION: Lat. 49° 39' Long. 121° 59' (92H/12W)
NEW WESTMINSTER M.D. At Doctors Point, on the west shore of Harrison Lake.

CLAIM: JERRY (4 units).

OWNER: GEORGE L. NAGY, 48989 Elkview Road, RR 2, Sardis V0X 1Y0.

METALS: Gold, silver, copper.

WORK DONE: 1976 — road work, 0.5 kilometre; 1977 — trenching, 80 cubic metres.

1977

(92H/15E)

HOMESTEAD (Fig. E-1, NTS 92, No. 82)

LOCATION: Lat. 49° 47' Long. 120° 36' (92H/15E)
NICOLA M.D. Seventeen kilometres south of Aspen Grove, on the east side of Highway 5.

CLAIMS: HOMESTEAD 1 to 5 and 8 (totalling 52 units).

OWNER: C. J. Robertson.

OPERATOR: QUINTANA MINERALS CORPORATION, 2475 North Jack Rabbit Avenue, Tucson, Arizona 85705.

DESCRIPTION: Nicola Group volcanic rocks are intruded by coeval plutons. The claims are mostly covered by glaciofluvial debris.

WORK DONE: Prospecting; linecutting, 32 kilometres; and ground magnetometer survey, 32 kilometres, covering all claims.

REFERENCE: Assessment Report 6334.

PAR (Fig. E-1, NTS 92, No. 83)

LOCATION: Lat. 49° 49' Long. 120° 38' (92H/15E)
NICOLA M.D. Thirteen kilometres south of Aspen Grove, on Otter Creek, immediately west of Highway 5.

CLAIMS: PAR 1 to 8, 20, 22.

OWNER: Andrew Robertson.

OPERATOR: C. J. CRYDERMAN, Box 11107, Royal Centre, 1055 West Georgia Street, Vancouver V6E 3R3.

METALS: Copper, gold, molybdenum.

DESCRIPTION: The Par claims cover a contact formed by a tongue of Nicola brecciated, andesitic tuffs in which there is a mineralized zone of limy skarn. The Nicola rocks have been intruded by acidic rocks which have been classified in the field as granodiorite. A fine-textured, very siliceous rock along the contact, logged as quartzite, may be the chilled edge of the intrusion.

WORK DONE: Surface diamond drilling, one BQ hole totalling 122.5 metres on Par 4.

REFERENCES: Mineral Inventory 92H/NE-169; *Minister of Mines, B.C.*, Ann. Rept., 1965, p. 157; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 77; Assessment Report 6405.

DAGO (Fig. E-1, NTS 92, No. 81)

LOCATION: Lat. 49° 56' Long. 120° 37' (92H/15E)
NICOLA M.D. Surrounding Kidd Lake, 1.5 kilometres southeast of Aspen Grove.

CLAIMS: DAGO (9 units), DAGO 2 (1 unit).

OWNER: TRI POWER MINERALS CORPORATION, Box 43, Cache Creek V0K 1H0.

METALS: Copper, (gold, silver).

DESCRIPTION: The property is underlain by Upper Triassic Nicola Group rocks consisting of varicoloured volcanic rocks, ranging from dacite to basalt,

but predominantly andesitic. The total thickness of the volcanic rocks is thousands of metres. Within the volcanic rocks are lenses of sedimentary rocks, mainly limestone and argillite, with some tuff beds. Copper mineralization in the Nicola Group is widespread, occurring as chalcopryite, bornite, and to a minor extent as chalcocite and native copper. The mineralization occurs in shear zones in the volcanic rocks and as disseminations and partial replacement bodies in the limy sedimentary rocks.

WORK DONE: Percussion drilling, five holes totalling 255 metres on Dago and Dago 2.

REFERENCES: Mineral Inventory 92H/NE-109; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 137; Assessment Reports 3787, 3788, 3789, 6215, 6642.

HALO (Fig. E-1, NTS 92, No. 80)

LOCATION: Lat. 49° 57' Long. 120° 35' (92H/15E)

NICOLA M.D. Three kilometres northeast of Aspen Grove.

CLAIMS: HALO 100 (12 units), HALO 200 (12 units), HALO 300 (8 units), HALO 400 (10 units), HALO 500 (2 units), HALO 600 (6 units), HALO 700 (4 units). The claims are a restaking of the former HALO, BROATCH, LOU, RAM, etc., claims and also cover an abandoned group of Crown-granted claims (early 1900's) including GOLDEN SOVEREIGN, BIG DUTCHMAN, BIG SIOUX, and BIG KID.

OWNER: DAVID MINERALS LTD., c/o Cochrane Consultants, 4882 Delta Street, Delta V4K 2T8.

METALS: Copper, silver, gold, iron.

DESCRIPTION: The property is underlain by Nicola Group volcanic rocks and the 'core' area by the Big Kidd breccia pipe. The diorite breccia pipe contains magnetite, chalcopryite, and minor bornite. A total of 19 different showings, all with diverse copper, silver, and gold values, are scattered in and around the pipe.

WORK DONE: Surface diamond drilling, two holes totalling 106.7 metres on Halo 300 and 600.

REFERENCES: Mineral Inventory 92H/NE-71 to 76; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 87, E 88; Assessment Reports 6035, 6555.

TAB, BLUEJAY (Fig. E-1, NTS 92, No. 84)

LOCATION: Lat. 49° 58.5' Long. 120° 36' (92H/15E)

NICOLA M.D. Four kilometres north of Aspen Grove, immediately east of Highway 5.

CLAIMS: SNOWFLAKE (6 units), SNOWFLAKE 2 (4 units), SNOWFLAKE 3 (6 units), SNOWFLAKE 4 (8 units), SNOWFLAKE 5 (2 units).

OWNER: F. GINGELL, 325, 6400 Roberts Street, Burnaby V5G 4G2.

METAL: Copper.

1977

(92H/16W)

DESCRIPTION: Nicola Group volcanic rocks and a zoned diorite intrusion contain widespread but extremely fine-grained disseminated native copper with lesser amounts of chalcopyrite, chalcocite, and bornite. Alteration comprises widespread epidote and chlorite as well as generally strong K-feldspar veins. Silicification is locally strong. Secondary biotite and magnetite are spotty but locally moderate. Strong fracturing is evident.

WORK DONE: Surface geological mapping, covering Snowflake and Snowflake 3.

REFERENCES: Mineral Inventory 92H/NE-52, 105; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 88; Assessment Report 6260.

PRIMER (KING GEORGE, OB, OC) (Fig. E-1, NTS 92, No. 85)

LOCATION: Lat. 49° 46' Long. 120° 29' (92H/16W)
SIMILKAMEEN M.D. Eastward and southeastward from the south end of Missezula Lake.

CLAIMS: PRIME (16 units), PRIME 1 (8 units), PRIME 2 (16 units).

OWNER: PIPER PETROLEUMS LTD., 1024, 355 Burrard Street, Vancouver.

METAL: Copper.

DESCRIPTION:

The Prime claims are underlain by Nicola Group andesite flows, tuffs, agglomerates, and limestone.

These rocks are located within an embayment of the Okanagan granodiorite batholith that lies to the east of the property. Dykes, sills, and small stocks of varying composition cut the Nicola Group rocks in the property area.

The rocks have been moderately to highly altered and fractured as a result of the extensive northwest and northeast-striking shear zones that are widely distributed throughout the claim group. The claims are bordered on the west by the major north-trending Summers Creek fault.

Numerous copper-pyrite occurrences have been located on the property related primarily to areas of fractured andesite and diorite rock types.

The claim area is largely covered by this glacial overburden resulting in bulldozer trenching being an effective way to expose bedrock.

WORK DONE: Surface geological mapping, 1:1200 and trenching, 243 metres, on Prime and Prime 2.

REFERENCES: Mineral Inventory 92H/NE-55, 56, 110; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, p. 160; Assessment Report 6412.

ASHCROFT 921**GRASSLAND BONANZA (Fig. E-1, NTS 92, No. 87)**

LOCATION: Lat. 50° 02' Long. 120° 33' (921/2E)
 NICOLA M.D. Nineteen kilometres east-southeast of Merritt, on the west side of Quilchena Creek, 5 kilometres northeast of Courtenay Lake.

CLAIMS: GRASSLAND BONANZA (16 units), AXEDENTAL (3 units).

OWNER: C. J. Robertson.

OPERATOR: QUINTANA MINERALS CORPORATION, 2475 North Jack Rabbit Avenue, Tucson, Arizona 85705.

DESCRIPTION: Tertiary sedimentary and volcanic rocks and glaciofluvial rocks cover altered Nicola volcanic rocks.

WORK DONE: Prospecting; linecutting, 12.3 kilometres; and ground magnetometer survey, 12.3 kilometres, covering all claims.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Preliminary Map 15, 1973; Assessment Report 6333.

CHATKO (LK) (Fig. E-2, NTS 92, No. 89)

LOCATION: Lat. 50° 05' Long. 120° 44' (921/2E)
 NICOLA M.D. Four kilometres southeast of Merritt, on Godey Creek.

CLAIM: JJ (8 units).

OWNER: BETINA RESOURCES INC., 1606, 1055 West Georgia Street, Vancouver V6E 3P3.

METALS: Copper, iron.

DESCRIPTION: Chalcopyrite and magnetite occur in skarn zones in fractured Nicola volcanic rocks.

WORK DONE: Ground magnetometer survey, 10.6 kilometres, covering JJ (8 units).

REFERENCES: Mineral Inventory 921/SE-130; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1969, p. 273; Assessment Reports 279 (BO, MS), 2112, 6356.

COPPERADO (Fig. E-1, NTS 92, No. 86)

LOCATION: Lat. 50° 12' Long. 120° 36' (921/2E)
 NICOLA M.D. Six kilometres northeast of Nicola, between Clapperton Creek and Nicola Lake.

CLAIMS: MAR 1 to 20, A 1 to 12, TM 2, 4, 6, 8, TOL 1 (4 units), TOL 2 (4 units), TURLIGHT (Lot 4841).

OWNER: Copperstar Mines Ltd.

OPERATOR: DANSTAR MINES LTD., 704, 525 Seymour Street, Vancouver V6B 3H7.

METALS: Copper, molybdenum, silver.

DESCRIPTION: The property is located near the southwestern extremity of the central Nicola batholith and is underlain by a contact with the older Nicola Group of volcanic and sedimentary rocks on the west and older granitic

1977

(92I/2E)

intrusions on south and east. Mineralization on the property consists of bornite in quartz veins, chalcopyrite, chalcocite, malachite, and some native copper. Coarse-grained molybdenite is found in shears in the gneissic rocks.

WORK DONE: 1976 — induced polarization survey, 9 kilometres, covering Mar, Turlight, and A.

REFERENCES: Mineral Inventory 92I/SE-55, 123 to 125; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 90; Assessment Reports 186, 425, 6180, 6218.

NICOLA (Fig. E-1, NTS 92, No. 88)

LOCATION: Lat. 50° 13' Long. 120° 38' (92I/2E)

NICOLA M.D. Clapperton Creek, 6 kilometres north of the western end of Nicola Lake, immediately south of Indian Reserve 5.

CLAIM: NICOLA 1 (20 units).

OWNER: C. J. Robertson.

OPERATOR: QUINTANA MINERALS CORPORATION, 2475 North Jack Rabbit Avenue, Tucson, Arizona 85705.

METAL: Copper.

DESCRIPTION: Low-grade copper mineralization occurs in foliated and highly altered granodiorite of the central Nicola batholith and to a lesser extent in the adjoining Nicola volcanic rocks. The copper mineralization is related to quartz veining and occurs as chalcopyrite, malachite, minor bornite, usually associated with minor pyrite. The mineralization is an extension of occurrence 92I/SE-123 (Copperado, P 66).

WORK DONE: Surface geological mapping, 1:4800, and geochemical survey, 12 rock samples analysed for copper, molybdenum, and gold, covering Nicola 1.

REFERENCES: Mineral Inventory 92I/SE-123; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 90; Assessment Reports 186, 425, 503, 3634 (Payroll, Oldmine), 6264.

LEADVILLE (COMSTOCK, LUCKY TODD) (Fig. E-1, NTS 92, No. 90)

LOCATION: Lat. 50° 02' Long. 120° 46' (92I/2W)

NICOLA M.D. On the south slope of Iron Mountain, 7 kilometres south-southeast of Merritt.

CLAIMS: ONE SIXTY ONE 1 (20 units), ONE SIXTY ONE 2 (2 units).

OWNER: C. J. Robertson.

OPERATOR: QUINTANA MINERALS CORPORATION, 2475 North Jack Rabbit Avenue, Tucson, Arizona 85705.

METALS: Copper, iron, zinc, lead, silver.

DESCRIPTION:

The property lies in a north-trending belt of Upper Triassic to Lower Jurassic Nicola Group marine and continental volcanic rocks. Although dominantly basic to intermediate volcanic in character, the Nicola Group also includes marine sedimentary units and local

accumulations of more felsic volcanic rocks. The felsic rocks often occur in stratigraphic proximity to calcareous marine sedimentary rocks, as at Craigmont, Promontory Hills, and Jesse Creek to the north as well as at Iron Mountain. The Iron Mountain rhyolites and dacite represent one of the larger known accumulations of felsic volcanic rocks.

Nicola sedimentary rocks in the Merritt area usually dip steeply and trend north or northeast and the Iron Mountain rocks conform to this pattern. Although folding is usually difficult to demonstrate in Nicola rocks, the recurrence of calcareous sedimentary rocks on the east side of the Ann claims, 3 kilometres east of Iron Mountain, suggests that Iron Mountain is on the west limb of a north-striking syncline.

Hematite and chalcopryite occurrences on the south side of Iron Mountain were known prior to 1897. In 1927, a bedded barite-galena-sphalerite showing known as the Leadville was discovered. By 1930, a 30-metre-deep shaft had been sunk on the Leadville. At that depth, the mineralization which varied from 0.6 metre to 1.5 metres in width was found to be cut off by a flat-dipping fault. A search for the offset 'vein' was not successful and work was apparently abandoned in 1930.

WORK DONE: 1976 — surface geological mapping, 1:2400, and geochemical survey, 40 rock samples, covering both claims.

REFERENCES: Mineral Inventory 921/SE-52, 53; *Minister of Mines, B.C.*, Ann. Rept., 1927, p. 212; 1928, p. 224; 1929, p. 245; 1930, p. 207; 1947, p. 136; 1951, p. 128; 1961, p. 43 (Judy); 1963, p. 53 (Judy); *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, p. 126; Assessment Reports 1735, 3192, 3455, 3711, 5185, 5228, 6248.

BETTY LOU (Fig. E-1, NTS 92, No. 91)

LOCATION: Lat. 59° 12' Long. 120° 59' (921/2W)
NICOLA M.D. Seventeen kilometres northwest of Merritt, bounded by Indian Reserve 9 on the west and Promontory Hills peaks on the east.

CLAIM: BETTY (12 units).

OWNER: C. C. RENNIE, 1943 Boulevard Crescent, North Vancouver V7L 3Y9.

METALS: Copper, lead, zinc.

DESCRIPTION: Crystalline limestone of the Upper Triassic Nicola Group is interbedded with greywacke and andesitic fragmentals, striking subparallel to and dipping toward the Guichon batholith contact to the north. Of five holes drilled recently on the property, the western two show alteration of the limestone to skarn with minor magnetite and chalcopryite.

WORK DONE: Surface geological mapping, 1:1000, covering part of Betty.

REFERENCES: Mineral Inventory 921/SE-173; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 164; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 80; Assessment Reports 280, 359, 516, 5630, 6486.

1977

(92I/5E)

U308 (Fig. E-1, NTS 92, No. 106)

LOCATION: Lat. 50° 17.5' Long. 121° 35' (92I/5E)
KAMLOOPS M.D. Six kilometres north of Lytton.
CLAIM: U308 (20 units).
OWNER: Paul Polischuk.
OPERATOR: HAT CREEK ENERGY CORPORATION, Box 466, Lillooet.
DESCRIPTION: The property covers an exposed fault block of sandstones and conglomerates of the Kingsvale Group, which is encompassed by schists and granodiorite of the Mount Lytton batholith.
WORK DONE: Prospecting.
REFERENCE: Assessment Report 6590.

COP (Fig. E-1, NTS 92, No. 105)

LOCATION: Lat. 50° 26' Long. 121° 37' (92I/5E)
KAMLOOPS M.D. Two kilometres east of Izman Creek and 2.5 kilometres west of the southwest corner of Indian Reserve 1.
CLAIMS: BOB 1 and 2, BOB 3 (1 unit), CM (16 units).
OPERATOR: HOKO EXPLORATION LTD., Box 10084, 700 West Georgia Street, Vancouver V7Y 1B6.
METALS: Copper, molybdenum, silver, (gold).
DESCRIPTION:

The predominant bedrock underlying the claim area is the Mount Lytton batholith of Early Cretaceous age. It consists of granodiorite, quartz monzonite, and related acidic intrusive rocks. At higher elevations the intrusive rocks are capped by remnants of the Cache Creek Group consisting of altered and silicified andesites, crystalline limestone, and skarn.

The apparent strike of the limestone bedding is northwesterly with steep dips both to the southwest and the northeast, indicating a sharp anticlinal folding due probably to intrusion of the batholith. Numerous quartz veins varying from 1 centimetre to 50 centimetres in width cut both intrusive and sedimentary rocks.

At the main showings the principal economic mineral is chalcopryite, with minor amounts of bornite, occurring as blebs and pods in the quartz stringers, and as disseminations in the skarn. Molybdenite is present but seldom observed, and assaying by previous operators indicated small amounts of silver and traces of gold. On the lower flanks of the mountain, pyrite and chalcopryite occur as disseminations and along fractures of the quartz monzonite. Malachite is prevalent in all mineralized areas.

WORK DONE: 1976 — surface diamond drilling, two AX holes totalling 32.3 metres on Bob 2 and 3.

REFERENCES: Mineral Inventory 92I/SW-58; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1971, p. 292; 1972, p. 148; Assessment Reports 2985, 3937, 3938, 4119, 4120, 4451.

1977

(921/6W)

DIANE, HARLEY (Fig. E-1, NTS 92, No. 107)

LOCATION: Lat. 50° 21' Long. 121° 23' (921/6W)
KAMLOOPS M.D. Eight kilometres south-southwest of Spences Bridge, on the east bank of the Thompson River at Goldpan Park.

CLAIMS: DIANE (1 unit), HARLEY (12 units).

OWNER: Lance Mayers.

OPERATOR: H. GIBBS, North Prairie Valley Road, RR 1, Summerland V0H 1Z0.

DESCRIPTION: Calcite stringers occur in basalt. Traces of copper and nickel are reported.

WORK DONE: Surface drilling, one EX hole totalling 60 metres on Diane.

FLEX (JAY ?) (Fig. E-1, NTS 92, No. 108)

LOCATION: Lat. 50° 19' Long. 121° 04' (921/6E)
KAMLOOPS M.D. Nine kilometres south of the east end of Pimainus Lake, 2 kilometres west of the confluence of Skuhost and Skuhun Creeks.

CLAIM: FLEX (6 units).

OWNER: Robert McLean.

OPERATOR: G. ELDRIDGE, 305, 543 Granville Street, Vancouver.

METAL: Copper.

DESCRIPTION: The property is underlain mostly by Chataway variety and possibly partly by Guichon variety of the Highland Valley phase of the Guichon batholith. Chalcopyrite, bornite, and pyrite were noted in hand specimens, apparently from an adit dump.

WORK DONE: Ground electromagnetic survey, 3 kilometres and geochemical survey, 317 soil samples, covering Flex.

REFERENCES: Mineral Inventory 921/SW-7; *Minister of Mines, B.C.*, Ann. Rept., 1964, p. 92; Assessment Reports 624, 625, 2087, 2088, 2089, 6327.

LL (Fig. E-1, NTS 92, No. 109)

LOCATION: Lat. 50° 20' Long. 121° 03' (921/6E)
KAMLOOPS M.D. On Skuhost Creek, 2 kilometres above Skuhun Creek.

CLAIMS: LL 1, 2, 11, 12, TC 2, 4, ALL (9 units).

OWNER: ALL STAR RESOURCES LTD., Box 2015, Vancouver V6B 3P8.

METALS: Copper, gold, silver.

DESCRIPTION: Underlying the property is a medium-grained, equigranular, hornblende-augite-biotite granodiorite. Epidote and K-feldspar alteration adjacent to fractures is not uncommon. Mineralization occurs as fracture fillings in the intrusive rocks. Bornite, vein quartz, and secondary malachite occupy veinlets.

1977

(92I/6E)

WORK DONE: Eleven kilometres of survey grid established and surveyed by induced polarization; geochemical survey, 170 soil samples analysed for copper and zinc, covering all claims.

REFERENCES: Mineral Inventory 92I/SW-70; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 81; Assessment Report 6352.

SV (Fig. E-1, NTS 92, No. 169)

LOCATION: Lat. 50° 21' Long. 121° 01' (92I/6E)

KAMLOOPS M.D. From Skuhun Creek northward, along both sides of Skuhost Creek, for a distance of 7 kilometres.

CLAIMS: SV 1 to 7 (102 units).

OWNER: LORADO MINING CORP. LTD., 409, 1199 West Pender Street, Vancouver.

DESCRIPTION: Percussion drilling did not reach bedrock in the areas of interest.

WORK DONE: Percussion drilling, 513.6 metres; overburden drilling, 29 metres; and seismic survey, 1.3 kilometres, covering SV 1-3.

REFERENCE: Assessment Report 6611.

LOREX (BEAR) (Fig. E-1, NTS 92, No. 111)

LOCATION: Lat. 50° 25' Long. 121° 03' (92I/6E)

KAMLOOPS M.D. The claims are centred 2 kilometres northeast of the east end of Pimainus Lake.

CLAIMS: BEAR 1 to 20, BEAR Fraction, ANN 1 Fraction, LINK 1, PETE D Fraction, PETE 4, XL 16, 17, DAWN 1 to 8, DEE 1 Fraction, LYNN 2, 4, 6, 8. The BEAR claims are a restaking of previous Lornex claims (South Lornex), including LOREX, LORNEX, IRIS, AWARD, GRANITE, SK, AW, ROY, and PM.

OWNER: LORNEX MINING CORPORATION LTD., Box 1500, Logan Lake V0K 1W0.

METALS: Copper, molybdenum.

DESCRIPTION: Chalcopyrite, bornite, and molybdenite occur primarily in veins with quartz, mainly in the Bethlehem and Bethsaida phases of the Guichon batholith.

WORK DONE: Diamond drilling, three NQ holes totalling 482 metres on Bear 5, 9, 10.

REFERENCES: Mineral Inventory 92I/SW-69; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 91 (Bear), p. E 92 (Lorex); Assessment Report 6293.

JAC (Fig. E-1, NTS 92, No. 112)

LOCATION: Lat. 50° 29' Long. 121° 09' (92I/6E)

KAMLOOPS M.D. Highland Valley, 4 kilometres northwest of Calling Lake, on the north side of Inkikuh Creek.

CLAIMS: KIK 200 (20 units), KIK 300 (15 units).

1977

(921/7W)

OWNER: Orbit Explorations Ltd.
OPERATOR: L. E. PECKHAM, 301, 277 Arrowstone Drive, Kamloops V2C 1T8.
METALS: Copper, silver, molybdenum.
DESCRIPTION: Granodiorite is cut by quartz diorite. Chalcopyrite, bornite, and molybdenum are reported.
WORK DONE: 1976 and 1977 — prospecting, covering both claims.
REFERENCES: Mineral Inventory 921/SW-41; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1970, pp. 351, 352; Assessment Reports 2602, 6488.

SUNSHINE (Fig. E-1, NTS 92, No. 98)

LOCATION: Lat. 50° 19' Long. 120° 46' (921/7W)
NICOLA M.D. Eighteen kilometres north-northwest of Nicola, at the head of Tolman Creek.
CLAIMS: SUNSHINE 1 to 16, LO 6 and 7, HILDA 1 (20 units), HILDA 2 (20 units), the latter two forfeited.
OWNER: RUSKIN DEVELOPMENT LTD., 202, 900 West Pender Street, Vancouver V6C 1L1.
METALS: Lead, zinc, copper, silver.
DESCRIPTION: Sphalerite, galena, chalcopyrite, and pyrite occur in strong brecciated shear zones striking north 35 degrees east and in a vein striking northerly. The mineralization occurs in a quartz and calcite matrix. The host rock is a brecciated and bleached andesite of the Nicola Group.
WORK DONE: 1976 — electromagnetic survey, 32 kilometres, and geochemical survey, 975 soil samples analysed for lead, zinc, and copper, covering all claims.
REFERENCES: Mineral Inventory 921/SE-127 to 129; *Minister of Mines, B.C.*, Ann. Rept., 1965, p. 150; 1966, p. 165; 1967, p. 162, 1968, p. 196; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1969, p. 269; 1971, p. 344; 1972, p. 158.

ALAMO (Fig. E-1, NTS 92, No. 95)

LOCATION: Lat. 50° 22.5' Long. 120° 59' (921/7W)
KAMLOOPS M.D. Six kilometres south of Gnawed Mountain, on the west side of Skuhun Creek.
CLAIMS: ALAMO 1 (20 units), ALAMO 2 (20 units).
OWNER: H. H. Shear.
OPERATOR: GRANGES EXPLORATION AKTIEBOLAG, 1060, 1055 West Hastings Street, Vancouver V6E 2E9.
DESCRIPTION: The claims are underlain by the Guichon batholith. Anomalous values in copper and molybdenum have been obtained from soil and silt surveys on the property. A small induced polarization anomaly was also disclosed.
WORK DONE: Geochemical survey, 616 soil samples and 36 silt samples analysed for copper and molybdenum; induced polarization survey, 15.6 kilometres, covering a portion of Alamo 1 and 2.
REFERENCE: Assessment Report 6571.

1977

(92I/7W)

CLARKE, CU (Fig. E-1, NTS 92, No. 96)

LOCATION: Lat. 50° 25.5' Long. 120° 59' (92I/7W)
KAMLOOPS M.D. Highland Valley, on Gnawed Mountain.

CLAIMS: GNAWED BRECCIA (6 units), GNAWED OREBODY (6 units), GNAWED AN (2 units).

OWNER: NEW MINEX RESOURCES LTD., 306, 1039 Richards Street, Vancouver V6B 3E4.

METALS: Copper, molybdenum.

DESCRIPTION: Porphyry copper type mineralization occurs in an environment typical of the Highland Valley. The property has a somewhat higher molybdenite content than what is usual in the Highland Valley.

WORK DONE: Diamond drilling, four BWL holes totalling 304.2 metres on Gnawed Orebody and Gnawed Breccia; percussion drilling, 12 holes totalling 951 metres on Gnawed Orebody.

REFERENCES: Mineral Inventory 92I/SE-14, 77; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 93, E 94; Assessment Report 6564.

HIGHMONT (IDE - AM) (Fig. E-1, NTS 92, No. 110)

LOCATION: Lat. 50° 26' Long. 121° 00' (92I/7W, 6E)
KAMLOOPS M.D. Highland Valley, 3 kilometres north-northwest of Gnawed Mountain.

CLAIMS: AM 1 to 11, IDE 1 to 18, NEW IDE 19, 20, ANN 3, 4, 7, 18, and 20 Fractions, NEW ANN 11 Fraction, PHYLLIS Fraction, AWSIUKIEWICZ Fraction, KEN 21, 22, NEW KEN 23 to 26 Fractions, LYNN 11 to 16, MO 2, 3, JAY 102, JAY 103 Fraction.

OWNER: HIGHMONT MINING CORPORATION LTD., 1199 West Hastings Street, Vancouver.

METALS: Copper, molybdenum, silver, rhenium.

DESCRIPTION: The four largest Highmont deposits occur in the Skeena quartz diorite of the Guichon batholith adjacent to both contacts of a west-trending, steeply dipping composite dyke. The dyke consists mainly of quartz porphyry and tourmalinized breccia. Sulphide deposition occurred after the composite dyke was intruded. Zones dominated by bornite, by chalcopyrite, and by chalcopyrite with pyrite are roughly parallel to the composite dyke. Bornite predominates adjacent to and in the dyke and gives way outward to chalcopyrite and pyrite zones. Sulphide zones and the ore deposits on both sides of the intrusion dip outward, away from the dyke.

WORK DONE: Diamond drilling, four NQ holes totalling 1 054 metres on the Highmont West zone (AM 6 Fraction and IDE 7).

REFERENCES: Mineral Inventory 92I/SE-13; 92I/SW-36; Reed, A. J. and Jambor, J. L., 1976, Highmont: Linearly Zoned Copper-Molybdenum Porphyry Deposits and their Significance in the Genesis of Highland Valley Ores, *CIM*, Special Vol. 15, Porphyry Deposits of the Canadian Cordillera, pp. 163-181; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 95, E 96; Assessment Report 6556.

SHEBA (Fig. E-1, NTS 92, No. 97)

LOCATION: Lat. 50° 27.5' Long. 120° 57.5' (92I/7W)
KAMLOOPS M.D. Highland Valley, on the north and east slopes of Gnawed Mountain.

CLAIMS: SHEBA 21 to 26, ANN 2, 5, 6, 15 to 17 Fractions, CS 1 Fractions, CS 1, 3, CU 1 to 6, 17 to 20, DEE 3 Fraction, DO 1 to 6, DO 1 to 8 Fractions, J 1 to 8, 11, 31, 32, 41, 42, J 33 to 38, 40 Fractions, JAY 9, 10, 12 to 20, 101, JAY 104 Fraction, JJ 1 and 2 Fractions, LYNN 1, 3, 5, LYNN 7 and 10 Fractions, VI 1 Fraction.

OWNER: Sheba Copper Mines Ltd.

OPERATORS: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8 and WESTERN MINES LIMITED, 1103, 595 Burrard Street, Vancouver V7X 1C4.

METALS: Copper, molybdenum.

DESCRIPTION:

The claims occupy a central position in the multi-phased, concentrically zoned, post Late Triassic/pre Middle Jurassic-aged Guichon batholith. The batholith is roughly oval with the long axis striking slightly west of north. Rock types grade outward from a quartz monzonite core to older dioritic rocks at the margin. All phases of the batholith are crosscut by late magmatic dykes and dyke swarms.

On the Sheba property several of the phases which make up the Guichon batholith are found. The eastern portion of the property is underlain by quartz diorites and granodiorites of the Highland Valley phase. Two varieties are present in this area, Guichon quartz diorite and Chataway quartz diorite or granodiorite, which are differentiated only by textural criteria and colour index. The western and southern portions of the Sheba claims are underlain by younger Bethlehem quartz diorites and a texturally close variety called Skeena. A small body of Bethsaida quartz monzonite is located in the north central part of the property. Closely related to the Bethsaida are several swarms of quartz-plagioclase porphyry and aplite dykes which occur throughout the property and generally strike north-south.

Past drilling has indicated a weak but widespread argillic and propylitic alteration on the Sheba property. Sericite feldspar alteration is moderately to intensely developed in areas affected by faulting, heavy fracturing, and porphyry dyke emplacement.

Copper mineralization replaces mafic minerals and occurs on fractures in quartz-epidote, pyrite-chlorite-epidote-chalcopryite, and quartz-sericite vein. Molybdenite coats fractures and shears and occurs in quartz or quartz-chalcopryite veins. The latter veins often occur in or near strong fault zones. The dominant trend of faults and veins is 100 degrees with equally well-developed sets at 025 degrees, 065 degrees, and 160 degrees, most of which are steeply inclined. Most of the dykes parallel the topographic lineaments and often strike northward or east-northward.

WORK DONE: 1976 — Western Mines Limited — percussion drilling, six holes totalling 387 metres; 1977 — Bethlehem Copper Corporation — diamond drilling, one NQ hole totalling 201.6 metres on J 31 and one NQ hole totalling 266.7 metres on J 16.

REFERENCES: Mineral Inventory 92I/SE-10, 76, 81; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 94; Assessment Reports 242, 5365, 6241.

1977

(92I/7W)

BET (Fig. E-1, NTS 92, No. 101)

LOCATION: Lat. 50° 27.4' Long. 120° 57.4' (92I/7W)
KAMLOOPS M.D. Four kilometres southeast of the Jersey pit, immediately south of Indian Reserve 14.

CLAIMS: BET 2 to 4, 5, BET 1 Fraction, JEAN 1 Fraction, Mineral Lease M-152.

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings street, Vancouver V6E 2H8.

WORK DONE: Diamond drilling, two NQ holes totalling 499.9 metres, and percussion drilling, three holes totalling 268.1 metres, on Jean 1 Fraction; percussion drilling, one hole totalling 82.3 metres, on Mineral Lease M-152.

SPUD LAKE (Fig. E-1, NTS 92, No. 100)

LOCATION: Lat. 50° 29.5' Long. 120° 57.7' (92I/7W)
KAMLOOPS M.D. Two kilometres east of the Jersey pit, on the north, west, and southwest sides of Spud Lake.

CLAIMS: SJ 1 (Lot 5536), SJ 23 (Lot 5555), SJ 24 (Lot 5554), SJ 26 (Lot 5553), SJ 78 (Lot 5556) plus SJ 25, 76, 77.

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METALS: Copper, molybdenum.

DESCRIPTION: The area is mainly underlain by Guichon quartz diorite which has been intermittently cut by northerly trending porphyry dykes. Mineralization is spotty and consists mainly of pyrite and chalcopyrite, with lesser amounts of bornite. The rocks are generally characterized by weak to moderate chlorite alteration of the mafic minerals and nil to weak sericite alteration of the feldspars.

WORK DONE: Diamond drilling, one hole totalling 358.1 metres on SJ 25 and 26; percussion drilling, two holes totalling 179.8 metres on SJ 1, one hole totalling 48.8 metres on SJ 23, one hole totalling 106.7 metres on SJ 24, one hole totalling 106.7 metres on SJ 26, one hole totalling 64.0 metres on SJ 76, two holes totalling 103.6 metres on SJ 77, and one hole totalling 48.8 metres on SJ 78.

REFERENCE: Mineral Inventory 92I/SE-8.

JERSEY PIT AREA (Fig. E-1, NTS 92, No. 99)

LOCATION: Lat. 50° 29.8' Long. 120° 58.9' (92I/7W)
KAMLOOPS M.D. Bethlehem copper mine, Jersey pit area.

CLAIMS: SJ 4 (Lot 5532), SJ 16 (Lot 5507), SJ 17 (Lot 5519).

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METAL: Copper.

WORK DONE: Diamond drilling, four holes totalling 1 185.4 metres on SJ 4, one hole totalling 518.2 metres on SJ 16, and one hole totalling 373.0 metres on SJ 17.

REFERENCE: Mineral Inventory 92I/SE-1, 2.

1977

(921/7E)

TON (Fig. E-1, NTS 92, No. 93)

LOCATION: Lat. 50° 17.5' Long. 120° 22' (921/7E)
NICOLA M.D. Fourteen kilometres north-northeast of Nicola, on Clapperton Creek, 3 kilometres west of Mab Lake.

CLAIM: TON 1 (9 units) (forfeited).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 801, 161 Eglinton Avenue East, Toronto, Ontario M4P 1J5.

WORK DONE: Linecutting, 21 kilometres; geological mapping, 1:4800; and geochemical survey, 429 soil, stream, and rock samples analysed for copper, covering Ton 1.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, GEM, 1970, p. 375; Assessment Report 2105.

SOPHIA (Fig. E-1, NTS 92, No. 92)

LOCATION: Lat. 50° 18.5' Long. 120° 44' (921/7E)
NICOLA M.D. Surrounding and north of Sophia Lake which lies 3 kilometres northwest of Swakum Mountain.

CLAIMS: SOPHIA (20 units).

OWNER: CHARLES BOITARD, 2245 West 13th Avenue, Vancouver.

WORK DONE: Electromagnetic and magnetometer surveys, 13.2 kilometres, covering Sophia.

REFERENCE: Assessment Report 6441.

JAS (Fig. E-1, NTS 92, No. 94)

LOCATION: Lat. 50° 24' Long. 120° 33' (921/7E)
KAMLOOPS M.D. Ten kilometres southwest of Lac Le Jeune village, immediately north of Fragmore Lakes.

CLAIM: JAS 1 (10 units).

OWNER: M. P. Stadnyk.

OPERATOR: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

DESCRIPTION: The claim is thought to straddle a faulted contact between the central Nicola batholith and the volcanic and sedimentary rocks of the Nicola Group. With only one outcropping on the property, the underlying geology and structure are uncertain but have been projected from the regional geological maps.

WORK DONE: Percussion drilling, six holes totalling 435.9 metres on JAS 1.

REFERENCE: Assessment Report 6338.

JENNY LONG (Fig. E-1, NTS 92, No. 102)

LOCATION: Lat. 50° 19.5' Long. 120° 22' (921/8W)
NICOLA M.D. Five kilometres southeast of the south end of Stump Lake, on Peterhope Creek.

1977

(921/8W)

CLAIMS: JENNY LONG (Lot 718) and other Crown-granted claims including GARDEN, SCOTIA, WREN, BRIAN, DOROTHY, BLUEBIRD, CLARA B, PARKVIEW, AZELA, DOT.

OWNER: John A. McAskill.

OPERATOR: CHEROKEE DEVELOPMENTS LTD., 202, 900 West Pender Street, Vancouver.

METALS: Copper, lead, zinc, gold, silver, tungsten.

WORK DONE: Percussion drilling, four holes totalling 265.2 metres on Jenny Long.

REFERENCES: Mineral Inventory 921/SE-31; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 87; Assessment Reports 5565, 6348.

MARY REYNOLDS (Fig. E-1, NTS 92, No. 103)

LOCATION: Lat. 50° 20' Long. 120° 20' (921/8W)
NICOLA M.D. On Peterhope Creek, 3.5 kilometres south-southeast of the middle of Stump Lake.

CLAIMS: Mineral Lease M-20R including MARY REYNOLDS (Lot 674) and GOLD CUP (Lot 675); Mineral Lease M-19R including ROBERT DUNSMUIR (Lot 673); and PV 1 (2 units), PV 2 (16 units).

OWNER: PINE VALLEY EXPLORERS LTD., Box 441, Merritt V0K 2B0.

METALS: Gold, silver, lead, zinc, (copper, tungsten).

DESCRIPTION: Argentiferous galena occurs in quartz veins associated with an extensive quartz-carbonate zone in massive augite andesite of the Nicola Group.

WORK DONE: Linecutting, 4 kilometres, covering PV 2 (unit 27); geochemical survey, 300 soil samples analysed for lead and silver, covering PV 2 (units 13-16, 24-27); underground sampling, 31 samples assayed for silver and gold, on Mary Reynolds and Gold Cup.

REFERENCES: Mineral Inventory 921/SE-115; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, p. 190; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 86; 1976, p. E 96; Assessment Report 6608.

NAP (Fig. E-1, NTS 92, No. 104)

LOCATION: Lat. 50° 25' Long. 120° 17.5' (921/8W)
KAMLOOPS M.D. Five kilometres northeast of the north end of Stump Lake, on the east side of Napier Lake.

CLAIMS: NAP 3 to 8.

OWNERS: Newconex Canadian Exploration Ltd. and Dome Exploration (Canada) Ltd.

OPERATOR: NEWCONEX CANADIAN EXPLORATION LTD., 808, 525 Seymour Street, Vancouver V6B 3H7.

METALS: Copper, zinc.

DESCRIPTION: The claims are underlain in part by pyroclastic rocks of the Nicola Group which have been extensively silicified and pyritized along an east-west-trending shear zone. Mineralization consists of chalcopyrite and minor sphalerite associated with disseminated pyrite.

1977

(92I/9E)

WORK DONE: Electromagnetic survey, 7.8 kilometres, covering all claims.

REFERENCES: Mineral Inventory 92I/SE-169; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, pp. 191, 192; Assessment Reports 4500, 6308.

VICARS (Fig. E-1, NTS 92, No. 140)

LOCATION: Lat. 50° 35' Long. 120° 09' (92I/9E)
KAMLOOPS M.D. Fifteen kilometres southeast of Kamloops, between Campbell Creek and Scitto Lake.

CLAIMS: VICARS 1 to 4 (70 units).

OWNER: British Newfoundland Exploration Limited.

OPERATOR: D. G. LEIGHTON & ASSOCIATES LTD., 3152 West 10th Avenue, Vancouver V6K 2K9.

DESCRIPTION: The property is underlain by coarse-grained granodiorite and quartz diorites of the Wildhorse batholith.

WORK DONE: Geochemical survey, 20 water samples and 100 soil samples analysed for uranium, covering all claims.

REFERENCE: Assessment Report 6574.

JD, A (Fig. E-1, NTS 92, No. 139)

LOCATION: Lat. 50° 33.5' Long. 120° 18' (92I/9W)
KAMLOOPS M.D. Eight kilometres south-southeast of Knutsford, along the west side of Highway 5, between Anderson Creek, McLeod Lake, and Ussher Creek.

CLAIMS: AND 1 to 10 (100 units).

OWNER: COMINCO LTD., 200 Granville Square, Vancouver V6C 2R2.

METAL: Copper.

DESCRIPTION:

The property straddles the southeastern contact of the Iron Mask batholith where it intrudes coeval Upper Triassic Nicola volcanic rocks. Miocene or earlier Kamloops volcanic rocks cap a portion of the Iron Mask batholith in the area.

The Iron Mask rocks are highly fractured and brecciated diorites of the younger Cherry Creek and Sugarloaf phases. Coincident with the structurally disturbed areas is a zone of propylitic and minor K-feldspathic alteration centred on the Phil showing. At the Phil showing fairly abundant chalcopyrite and bornite occur in a narrow zone of strong faulting and alteration. The mineralization is bounded by exposed faults on both sides. Albitization appears to have developed locally. Strong K-feldspathization and quartz veining are also present.

WORK DONE: Surface geological mapping, 1:12 000, covering all claims, and 1:1200, covering And 1; induced polarization survey, 19.5 kilometres, covering And 1; magnetometer survey, 22.3 kilometres, covering And 1 and 3.

REFERENCES: Mineral Inventory 92I/NE-124, 125; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 141; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 191 (Joker); 1973, pp. 195, 196; Assessment Reports 1746, 1965, 4024, 4036, 4160, 6224.

1977

(921/9W)

KINGPIN (ACE), DEWEY (Fig. E-1, NTS 92, No. 138)

LOCATION: Lat. 50° 35' Long. 120° 20' (921/9W)
KAMLOOPS M.D. Five kilometres south-southeast of Knutsford, from Highway 5 at Separation Lake westward 5.5 kilometres.

CLAIMS: REG 1 to 14, BYR 1 to 10, ACE 1, GUS 1 Fraction, WILDROSE (20 units), WILDROSE 2 (1 unit), WILDROSE 3 (1 unit), WILDROSE 4 (1 unit), WILDROSE 6 (1 unit), plus BLACK BEAUTY (Lot 1560), ADMIRAL DEWEY (Lot 1561), CYCLONE (Lot 1562).

OWNER: Great Plains Development Company of Canada, Ltd.

OPERATOR: COMINCO LTD., 200 Granville Square, Vancouver V6C 2R2.

METALS: Copper, gold, silver.

DESCRIPTION: Sulphide mineralization in the form of pyrite and chalcopyrite occur as disseminations and fracture fillings in association with the Cherry Creek phase of the Iron Mask batholith. Small mineralized breccia zones are also present. The principal rock type is the Cherry Creek unit which underlies about three-quarters of the property. The rest of the property is underlain by Hybrid phase and small remnants of Kamloops volcanic rocks. Although copper is the main metal of current interest, the early exploration of the property was for gold.

WORK DONE: Percussion drilling, three holes totalling 182.9 metres on Byr 9.

REFERENCES: Mineral Inventory 921/NE-19, 21; *Minister of Mines, B.C.*, Ann. Rept., 1904, p. 230; 1929, p. 225; 1930, p. 191; 1956, p. 69; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1969, p. 236; *Geol. Surv., Canada*, Mem. 249, p. 114; Assessment Reports 2143 (Byr, Ace), 2144, 6385.

WINDSOR (Fig. E-1, NTS 92, No. 136)

LOCATION: Lat. 50° 36' Long. 120° 23' (921/9W)
KAMLOOPS M.D. Nine kilometres southwest of Kamloops, 2 kilometres southeast of Jacko Lake.

CLAIMS: SUN (6 units), DAVE 1B Fraction, DAVE 26, 28, 44A, DON 2 to 6 and 9 Fractions, DON 7 and 8, MAP 3 and 4.

OWNER: New Mine Resources Ltd.

OPERATOR: RICH HILL MINES LTD., 202, 850 West Hastings Street, Vancouver.

METAL: Copper.

DESCRIPTION: The percussion drilling and subsequent sampling indicated the presence of disseminated chalcopyrite in a weakly silicified shear zone in Nicola volcanic rocks.

WORK DONE: 1976 — percussion drilling, four holes totalling 360 metres on Sun (unit 6).

REFERENCES: Mineral Inventory 921/NE-9; *Minister of Mines, B.C.*, Ann. Rept., 1958, p. 58 (Inland Copper Mines Ltd.); Assessment Reports 605 (Paw, Fox, etc.), 2821 (MR), 4312, 5382, 5384, 6123.

1977

(92I/9W)

FORD (Fig. E-1, NTS 92, No. 137)

LOCATION: Lat. 50° 37' Long. 120° 21' (92I/9W)
KAMLOOPS M.D. The claim is centred 1.5 kilometres west of Knutsford.

CLAIM: FORD (20 units).

OWNER: BRITISH NEWFOUNDLAND EXPLORATION LIMITED, 704, 602 West Hastings Street, Vancouver.

METALS: Copper, iron.

DESCRIPTION: A central core of Iron Mask gabbro is bordered by Cherry Creek monzonite and syenite. Malachite and magnetite occur, the copper mineralization being apparently associated with shear zones in the Cherry Creek rocks.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 714 soil samples analysed for copper; and magnetometer survey, 32.2 kilometres, covering Ford (20 units).

REFERENCES: Mineral Inventory 92I/NE-134; *Minister of Mines, B.C.*, Ann. Rept., 1958, p. 29; Assessment Report 267 (Fat Chance), 6528.

EVENING STAR (GALAXY) (Fig. E-1, NTS 92, No. 135)

LOCATION: Lat. 50° 37' Long. 120° 25' (92I/9W)
KAMLOOPS M.D. Eight kilometres west-southwest of Kamloops, from Jacko Lake to 0.5 kilometre south of Iron Mask Lake.

CLAIMS: EVENING STAR (Lot 1013), PRINCE OF INDIA (Lot 1038), BEN HUR (Lot 1037), MORNING STAR (Lot 1450), KENTUCKY (Lot 835), NO. 7 (Lot 998) surveyed claims plus IM, DART, KEY, ROCKET, SHEAR, URSUS, and VENUS located claims.

OWNER: Pan Ocean Oil Ltd.

OPERATOR: CANADIAN SUPERIOR EXPLORATION LIMITED, 2201, 1177 West Hastings Street, Vancouver V6E 2K3.

METAL: Copper.

DESCRIPTION: Copper mineralization, primarily chalcopyrite, occurs as fracture fillings and disseminations within Nicola volcanic rocks and Iron Mask, Pothook, and Cherry Creek diorites and monzonites of the Iron Mask batholith. The very prominent northwest-trending 'Galaxy' fault structure transects the property and appears to have displaced the mineralized host rocks.

WORK DONE: Topographic mapping, 1:4800, and geological mapping, 1:4800, covering all claims; magnetometer survey, 125.2 kilometres, covering located claims; percussion drilling, eight holes totalling 731.5 metres on Evening Star.

REFERENCES: Mineral Inventory 92I/NE-7, 99; *Minister of Mines, B.C.*, Ann. Rept., 1967, pp. 142-144; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1969, p. 235; 1971, p. 296; 1973, p. 198 (Python, Copper Head).

1977

(92I/9W)

ROGERS (FEB) (Fig. E-1, NTS 92, No. 134)

LOCATION: Lat. 50° 37' Long. 120° 26.5' (92I/9W)
KAMLOOPS M.D. Ten kilometres southwest of Kamloops, 1 kilometre northwest of Jacko Lake.

CLAIM: FEB (8 units).

OWNER: David G. Mark.

OPERATOR: NEW DENVER EXPLORATIONS LTD., 470 Granville Street, Vancouver.

METALS: Copper, silver.

DESCRIPTION: The contact of the Iron Mask batholith with Upper Triassic volcanic and sedimentary rocks passes through the northern portion of the property. One of the three major northwesterly striking fault zones which appear to control the major deposits of the area, occurs along this contact. Also on the property, four old adits and three shallow shafts explore an east-west-trending quartz vein. The vein was reported to carry tetrahedrite, malachite, and azurite.

WORK DONE: 1976 — geochemical survey, 170 soil samples analysed for copper.

REFERENCES: Mineral Inventory 92I/NE-98; *Geol. Surv., Canada*, Mem. 249, p. 68; Assessment Report 6204.

KAM, RED HEAD, RODA (Fig. E-1, NTS 92, No. 133)

LOCATION: Lat. 50° 38' Long. 120° 26' (92I/9W)
KAMLOOPS M.D. Nine kilometres west-southwest of Kamloops, north and east from Wallender Lake.

CLAIMS: KAM (4 units), RED HEAD (6 units), RODA (4 units), RODA 2 (1 unit).

OWNER: Sovereign Metals Corp.

OPERATOR: CANADIAN SUPERIOR EXPLORATION LIMITED, 2201, 1177 West Hastings Street, Vancouver V6E 2K3.

METAL: Copper.

DESCRIPTION: The claim group is located immediately north of the southern Iron Mask batholith/Nicola Group contact. The prominent Sugarloaf, northwest-trending fault structure transects the property. The claims appear to be underlain by diorites and monzonites of the Iron Mask and Cherry Creek intrusive rocks of the Iron Mask batholith. Pyritization occurs within the area related to intrusive activity and multi-stage structural deformation. Very minor chalcopyrite associated with the pyritization can be observed in outcrop. (In *Exploration in British Columbia, 1976*, page E 97, the property was incorrectly named Evening Star, Golden Star, Mineral Inventory 92I/NE-7.)

WORK DONE: Topographic mapping, 1:4800, and surface geological mapping, 1:4800, covering all claims; percussion drilling, five holes totalling 411.5 metres on Kam.

REFERENCES: Assessment Reports 5933, 6553.

1977

(921/9W)

KAREN (DM) (Fig. E-1, NTS 92, No. 129)

LOCATION: Lat. 50° 38' Long. 120° 29' (921/9W)
KAMLOOPS M.D. Twelve kilometres west-southwest of Kamloops, 2 kilometres west of Sugarloaf Hill.

CLAIMS: KAREN 1 (20 units), KAREN 2 (6 units), KAREN 3 (4 units), KAREN 4 (6 units), ROD 4 Fraction.

OWNER: AFTON MINES LTD., Box 937, Kamloops.

METAL: Copper.

DESCRIPTION: Copper mineralization occurs in units of the Iron Mask diorite near its intrusive contact with the Nicola volcanic rocks.

WORK DONE: Percussion drilling, seven holes totalling 576 metres on Karen 3; ground magnetometer survey, 29.6 kilometres; induced polarization survey, 23.8 kilometres; and geochemical survey, 446 soil samples analysed for copper, covering Karen 2-4.

REFERENCES: Mineral Inventory 921/NW-132; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 98, E 99; Assessment Reports 6268, 6628.

IRON MASK, DM (Fig. E-1, NTS 92, No. 132)

LOCATION: Lat. 50° 40' Long. 120° 27' (921/9W)
KAMLOOPS M.D. From 7 to 12 kilometres west of Kamloops, on both sides of the Trans-Canada Highway.

CLAIMS: IRON MASK (Lot 878), MINT FR. (Lot 1342), CON VERDANT (Lot 1341), COPPER QUEEN (Lot 880), CIVIL (Lot 1060), ERIN (Lot 1066), EARNSCLIFFE FR. (Lot 1301), NORMA (Lot 1302), VICTOR (Lot 1340), LS 10 (Lot 5627), LS 11 (Lot 5626), WINTY (Lot 4667), MAY FR. (Lot 1311), SODIUM FR. (Lot 4666), LUCKY STRIKE (Lot 1036), SUNRISE (Lot 879), EMEROY (Lot 1050), JUMBO (Lot 1067), CHAMPION 1 (Lot 5622), CHAMPION 2 (Lot 5623), NIGHT-HAWK (Lot 1747), LS 6 (Lot 5624), LS 7 (Lot 5625), LS 8 (Lot 5628), LS 9 (Lot 5629), IRON CAP (Mineral Lease M-21, Lot 875) plus OR 1 to 15, RO 5, 7 to 26, 47 to 52, 61, 63 to 65, MRO 1 to 8, 10 to 13, JAN 1 to 3, JAN 4 to 8 Fractions, DM 61 to 64, 71, 73, 75, 96 to 98, 120, 121, 124, DM 2, 3, 99 Fractions, EB 1 to 12, 14 to 19, DEB 1 to 6, REX 4 Fraction, BONNIE JEAN, DELTA, AUDRA 1, DELLA 2 Fraction.

OWNER: Comet Industries Ltd.

OPERATOR: CANADIAN SUPERIOR EXPLORATION LIMITED, 2201, 1177 West Hastings Street, Vancouver V6E 2K3.

METALS: Copper, gold, silver.

DESCRIPTION: The present property covers many old showings including Lucky Strike, Iron Mask, Erin, Larsen, Iron Cap, and DM. Copper mineralization occurs along the northeastern edge of the Triassic Iron Mask batholith where either major fault structures have deformed dioritic and

serpentinized basaltic rocks or where microdiorite and micromonzonite porphyry has intruded. Copper mineralization, primarily chalcopyrite, with gold and silver values, appears associated with or shortly after the epigenetic Cherry Creek intrusive rocks.

WORK DONE: Topographic mapping, 1:4800, covering all claims; geological mapping, 1:4800, covering southeastern sector of claims; magnetometer survey, 89 kilometres, covering Mint, Norma, Copper Queen; diamond drilling, 34 holes totalling 5 727.6 metres on Mint, Norma, Copper Queen, Civil, Con Verdant, and Winty; percussion drilling, seven holes totalling 640.1 metres on Mint.

REFERENCES: Mineral Inventory 921/NE-8, 10, 11, 18, 26, 30, 73, 74, 75, 127; *B.C. Ministry of Mines & Pet. Res.*, Geological Fieldwork, 1974, p. 22; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, pp. 150, 151; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 99, E 100; Assessment Reports 5180, 5998, 6538.

RAINBOW (Fig. E-1, NTS 92, No. 131)

LOCATION: Lat. 50° 38' Long. 120° 28' (921/9W)
KAMLOOPS M.D. Ten kilometres west-southwest of Kamloops, on Sugarloaf Hill.

CLAIMS: RAINBOW NE (6 units), RAINBOW SE (8 units), RAINBOW SW (6 units), RAINBOW NW (6 units).

OWNERS: Nahatlatch Resources Ltd. and LMC Resources Ltd.

OPERATOR: CANADIAN SUPERIOR EXPLORATION LIMITED, 2201, 1177 West Hastings Street, Vancouver V6E 2K3.

METAL: Copper.

DESCRIPTION: Chalcopyrite occurs as disseminations and fracture fillings in dioritic rocks of the Sugarloaf and Iron Mask intrusive rocks of the Iron Mask batholith. Copper mineralization appears structurally controlled and is associated with the very prominent northwest-trending Sugarloaf fault structure.

WORK DONE: Topographic mapping, 1:4800, and surface geological mapping, 1:4800, covering all claims; percussion drilling, nine holes totalling 570 metres on Rainbow SE, Rainbow SW, and Rainbow NW; surface diamond drilling, two holes totalling 375.5 metres on Rainbow SE and Rainbow SW.

REFERENCES: Mineral Inventory 921/NE-28; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, pp. 197, 198; 1974, p. 150; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 98; Assessment Reports 136, 3936, 4409, 5152, 5165, 6223, 6550.

1977

(92I/9W)

CASEY (Fig. E-1, NTS 92, No. 130)

LOCATION: Lat. 50° 40' Long. 120° 29' (92I/9W)
KAMLOOPS M.D. Twelve kilometres west of Kamloops, straddling the Trans-Canada Highway, 3.5 kilometres west of Ironmask Lake.

CLAIM: CASEY 1 (2 units).

OWNER: AFTON MINES LTD., Box 937, Kamloops.

DESCRIPTION: The drill hole intersected Kamloops andesite and dacite.

WORK DONE: One diamond drilling hole, totalling 90 metres on Casey 1.

REFERENCE: Assessment Report 6209.

ZZ, WILL (Fig. E-1, NTS 92, No. 128)

LOCATION: Lat. 50° 41' Long. 120° 30' (92I/9W, 10E)
KAMLOOPS M.D. Eleven kilometres west of Kamloops, immediately north of the Afton Mines' property and the Trans-Canada Highway.

CLAIMS: ZZ 2 to 8, 15 to 20, 27 to 32, WILL 1 to 5, 7 Fractions.

OWNERS: Horseshoe Mines Ltd. and China Commercial Corporation Ltd.

OPERATOR: CHINA COMMERCIAL CORPORATION LTD., 1555 Franklin Street, Vancouver V5L 1P3.

WORK DONE: Topographic mapping, 1:3600, covering all claims.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 100; Assessment Report 6212.

CHUM (Fig. E-1, NTS 92, No. 122)

LOCATION: Lat. 50° 31' Long. 120° 32' (92I/10E)
KAMLOOPS M.D. Twenty-two kilometres southwest of Kamloops, at the head of Walloper Creek.

CLAIMS: CHUM 1 (20 units), CHUM 2 (12 units), CHUM 3 (8 units), CHUM 4 (20 units), CHUM 5 (12 units), CHUM 6 (8 units), CHUM 7 (8 units), CHUM 8 (12 units), CHUM 9 (4 units).

OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver V6C 2R2.

METAL: Copper.

DESCRIPTION: Pyrite and minor chalcopryrite are associated with diorite breccias within an alkaline complex.

WORK DONE: Surface geological mapping, 1:10 000, covering all claims; ground magnetometer survey, 61 kilometres, covering Chum 1-8.

REFERENCES: Assessment Reports 3892, 3893.

TC, SPUR (DRG) (Fig. E-1, NTS 92, No. 127) *

LOCATION: Lat. 50° 35' Long. 120° 39.5' (92I/10E)
KAMLOOPS M.D. Surrounding Roper Lake.

CLAIMS: HAPPY DAYS (20 units), HAPPY DAYS 3 (8 units).

OWNER: KEDA RESOURCES (1973) LTD., 1, 219 Victoria Street, Kamloops V2C 2A1.

METAL: Molybdenum.

WORK DONE: Linecutting, 10.5 kilometres on Happy Days.

REFERENCES: Mineral Inventory 92I/NE-71; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 200; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 100, E 101; Assessment Reports 325, 1009, 3458, 4110, 6149, 6579.

DOMINIC (Fig. E-1, NTS 92, No. 125)

LOCATION: Lat. 50° 35' Long. 120° 43' (92I/10E)
KAMLOOPS M.D. The west end of Dominic Lake and 4 kilometres westward.

CLAIMS: DOMINIC LAKE (8 units), DOMINIC NORTH (10 units), DOMINIC SOUTH (20 units).

OWNER: CHARLES BOITARD, 2245 West 13th Avenue, Vancouver.

WORK DONE: Electromagnetic and magnetometer surveys, 40 kilometres each, covering Dominic North and Dominic South.

REFERENCE: Assessment Report 6440.

NED (Fig. E-1, NTS 92, No. 123)

LOCATION: Lat. 50° 39' Long. 120° 33' (92I/10E)
KAMLOOPS M.D. One kilometre west of Hughes Lake and 1 kilometre south of the Trans-Canada Highway.

CLAIMS: NED 1 (2 units), NED 2 (4 units), NED 3 (1 unit).

OWNER: AFTON MINES LTD., Box 937, Kamloops.

METAL: Copper.

DESCRIPTION: Chalcopyrite and pyrite occur in Nicola volcanic rocks to the south of a graben containing Tertiary sedimentary rocks.

WORK DONE: Percussion drilling, one hole totalling 91.5 metres on Ned 1.

REFERENCES: Mineral Inventory 92I/NE-133; Assessment Report 6245.

DOREEN (Fig. E-1, NTS 92, No. 126)

LOCATION: Lat. 50° 39' Long. 120° 39' (92I/10E)
KAMLOOPS M.D. Four kilometres east of Duffy Lake and 3 kilometres northeast of Dairy Lakes, on Kwilalkwila Creek.

CLAIM: DOREEN (16 units).

OWNER: CHARLES BOITARD, 2245 West 13th Avenue, Vancouver.

WORK DONE: Electromagnetic, scintillometer, and magnetometer surveys, 12.8 kilometres each, covering Doreen.

REFERENCE: Assessment Report 6439.

1977

(92I/10E)

BONUS (Fig. E-1, NTS 92, No. 124)

LOCATION: Lat. 50° 39.5' Long. 120° 31' (92I/10E)
KAMLOOPS M.D. One kilometre northeast of Hughes Lake, on the north side of the Trans-Canada Highway.

CLAIM: BONUS 1 (1 unit).

OWNER: AFTON MINES LTD., Box 937, Kamloops.

DESCRIPTION: The drill hole intersected hornblende-andesite and chlorite-hornblende dacite of the Kamloops Group.

WORK DONE: Percussion drilling, one hole totalling 91.5 metres on Bonus.

REFERENCE: Assessment Report 6246.

LOG, HILLTOP (Fig. E-1, NTS 92, No. 141)

LOCATION: Lat. 50° 45' Long. 120° 37' (92I/10E, 15E)
KAMLOOPS M.D. On the north shore of Kamloops Lake, at Frederick Siding.

CLAIMS: LOG 1 (12 units), LOG 2 (1 unit).

OWNER: BRITISH NEWFOUNDLAND EXPLORATION LIMITED, 704, 602 West Hastings Street, Vancouver.

METAL: Copper.

DESCRIPTION: Chalcopyrite and bornite occur in Nicola volcanic rocks and adjacent monzonite intrusive rock.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 231 soil samples and 13 stream silt samples analysed for copper; and magnetometer survey, 12.4 kilometres, covering Log 1 (units 1-6).

REFERENCES: Mineral Inventory 92I/NE-29, 31, 54; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1969, p. 239; 1972, p. 209; Assessment Reports 1751, 1951, 2353, 6515.

DAT (Fig. E-1, NTS 92, No. 121)

LOCATION: Lat. 50° 31' Long. 120° 54.5' (92I/10W)
KAMLOOPS M.D. Approximately 3.5 kilometres east of Bose Lake.

CLAIM: DAT (4 units).

OPERATOR: GLEN TROUT, Box 161, Savona V0K 2J0.

DESCRIPTION: The drill hole intersected syenite containing pyrite stringers with minor malachite and azurite.

WORK DONE: Surface diamond drilling, one XRT hole totalling 14.6 metres on Dat.

REFERENCE: Assessment Report 6350.

BARNSLEY (Fig. E-1, NTS 92, No. 120)

LOCATION: Lat. 50° 39' Long. 121° 01' (92I/10W, 11E)
KAMLOOPS M.D. Twenty kilometres southeast of Ashcroft, on Guichon Creek.

CLAIMS: BARNSLEY 1 to 4.

1977

(92I/11E)

OWNER: UNITED HEARNE RESOURCES LTD., 1199 West Hastings Street, Vancouver.

METALS: Copper, molybdenum.

DESCRIPTION: Copper and molybdenum occur within the Guichon batholith which is unconformably overlain by basalts and andesites of the Tertiary Kamloops Group.

WORK DONE: Electromagnetic survey, 9 kilometres, and geochemical survey, 182 soil samples analysed for copper, molybdenum, and silver, covering Barnsley 4; percussion drilling, six holes totalling 540 metres on Barnsley 3.

REFERENCES: Mineral Inventory 92I/NW-57; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 102.

VVB (Fig. E-1, NTS 92, No. 143)

LOCATION: Lat. 50° 35' Long. 121° 09' (92I/11E)
KAMLOOPS M.D. Four kilometres northwest of Cinder Hill, on the west side of Woods Creek.

CLAIMS: VVB 1 (8 units), VVB 2 (8 units).

OWNER: Ram Vallabh.

OPERATOR: ALCUM MINING LTD., 34, 448 Seymour Street, Vancouver.

WORK DONE: Linecutting, 4.8 kilometres; geochemical survey, 190 soil samples; and magnetometer survey, 13 kilometres, covering all claims.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 103; Assessment Reports 6143, 6606.

STUD (Fig. E-1, NTS 92, No. 113)

LOCATION: Lat. 50° 40' Long. 121° 12.5' (92I/11E)
KAMLOOPS M.D. The property lies between the Ashcroft-Highland Valley road and Studhorse Creek and is centred 8 kilometres southeast of Ashcroft.

CLAIMS: STUD 1 to 12, GAD, ZOOKS, ZEEK (totalling 266 units).

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METALS: (Zinc, copper).

DESCRIPTION:

The claims are mainly underlain by Guichon batholith intrusive rocks which are in contact on the west with Upper Triassic Nicola volcanic and sedimentary rocks and Jurassic sedimentary rocks, and on the east with Nicola roof pendant rocks. The intrusive rock varies in composition from diorite near the contact zones to quartz diorite in more distant areas. On the property the Nicola Group consists mostly of greenstones, metavolcanic rocks, chert, and minor greywacke and limestone, and the Jurassic rocks are mainly conglomerates, shales, and argillite. Tertiary andesite flows border the claims on the east, northeast, and northwest.

1977

(92I/11W)

In the area of the large anomaly on Stud 4 and 5, the Nicola rocks are mainly chert and volcanic rocks with minor limestone. The chert and silicified volcanic rocks are generally moderately pyritized (<1 per cent pyrite) and where exposed to weathering exhibit strong limonite staining. South of the anomalous area the Nicola roof pendant rocks are mostly metavolcanic rocks and greenstones.

The anomalous area on Stud 1 partly covers Jurassic conglomerate outcrop. This conglomerate is composed mainly of pebbles of sedimentary, and to a lesser degree, volcanic origin, and it contains no visible mineralization except for minor limonite staining.

A thin linear anomaly immediately to the west of Stud 8 trends north-northeast across the contact between Nicola metavolcanic rocks and hybrid intrusive rocks. Outcrop is moderately common in the immediate area and weak pyrite was noted in certain locations.

WORK DONE: Surface geological mapping, 1:10 000, covering Stud 1-12; geochemical survey, 1 433 soil and rock samples analysed for copper, lead, zinc, and molybdenum, covering Stud 1-10, 12; induced polarization and magnetometer surveys, 153.1 kilometres, covering Stud 1-10, 12; percussion drilling, one hole totalling 106.7 metres on Stud 1 and two holes totalling 198.1 metres on Stud 5.

REFERENCE: Assessment Report 6632.

MARTEL (Fig. E-1, NTS 92, No. 115)

LOCATION: Lat. 50° 32.5' Long. 121° 20.5' (92I/11W)
KAMLOOPS M.D. Four kilometres southwest of Spatsum, on the west side of Venables Creek, 3 kilometres south of Venables Lake.

CLAIM: MAR (18 units).

OWNER: VANTAGE RESOURCES LTD., 800, 543 Granville Street, Vancouver.

METALS: Molybdenum, gold, silver, zinc, copper.

DESCRIPTION:

The Nicola Group of rocks underlies the property. This main lithostratigraphic unit comprises quartzites, argillaceous sedimentary rocks, limestones, tuffs, and andesitic volcanic rocks, all of Late Triassic age. These rocks are intruded by small stocks of quartz diorite.

Structurally, the rocks trend northwest through the property. Schistosity is locally well developed and post-schistosity cleavage and crenulation were observed.

The property is basically a molybdenite prospect. Numerous quartz veins and boulders were noted during the progress of the surface work program. Much of the quartz is white to milky in colour. Occasionally molybdenite was noted as fine flakes on quartz fracture faces.

The portal of the old Martel gold mine workings is located on unit 5 south, 2 west.

WORK DONE: Geochemical survey, 202 soil samples analysed for copper, molybdenum, and gold; electromagnetic survey, 28 kilometres; and magneto-

1977

(92I/11W)

meter survey, 28 kilometres, covering Mar (all units); underground work, cleaning debris and slides, 150 metres, on Mar (unit 5 south, 2 west); underground geological mapping, approximately 100 metres, covering Mar (unit 5 south, 2 west).

REFERENCES: Mineral Inventory 92I/NW-38; *Minister of Mines, B.C.*, Ann. Rept., 1935, p. G44; 1936, p. F63; 1937, p. F35; 1938, p. F68; 1939, p. 74; 1967, p. 149; 1968, p. 174; *Geol. Surv., Canada*, Mem. 262, p. 106; Assessment Report 6318.

MAN (Fig. E-1, NTS 92, No. 114)

LOCATION: Lat. 50° 36.5' Long. 121° 16.5' (92I/11W)

KAMLOOPS M.D. The property is bound on the west by the Thompson River, on the east by the Ashcroft-Highland Valley road, on the north by Indian Reserve 7, and on the south by Spatsum Creek.

CLAIMS: NEPA 1 to 5 (94 units).

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METAL: Copper.

DESCRIPTION:

The property is underlain on the west by sedimentary and volcanic rocks of the Triassic Nicola Group and on the east by intermediate hybrid intrusive rocks of the Lower Jurassic Guichon batholith. The majority of the Nicola rocks on the property are of sedimentary origin (conglomerate, chert, argillite, greywacke, and limestone) and in the west central claim area where they form massive outcrops; these sedimentary rocks tilt approximately 270°/30° north. The intrusive rocks vary in composition from diorite to granodiorite depending on the distance from the contact. The roughly north-south-trending contact is nicely exposed over most of the property. Large sections of the contact are fault controlled and, where faulted, the trend is approximately north-northeast.

Strong alteration in the faulted contact zones is generally limited to areas immediately adjacent to the faults. Noticeable stronger and more widespread chlorite, epidote, sericite, and K-feldspar alteration is characteristic of the partially drift-covered southern contact area. The Nicola sedimentary rocks and lesser greenstones generally exhibit the effect of regional metamorphism which is visually recognizable by the general chlorite-epidote-pyrite assemblage. The pyrite content of the rock tends to be only slightly higher near the contacts.

In the central claim area, within a few hundred metres of the contact, minor copper mineralization was observed along fractures and shears in a weakly altered intermediate intrusion. Less than 3 metres of mineralization is exposed in bedrock adjacent to a 16-metre trench. Malachite, chalcopyrite, and hematite were the only minerals of economic significance noticed in the showing. It should be noted that outcrop is prevalent throughout the area immediately surrounding the showing and no extension of the weak mineralization was observed.

1977

(92I/14W)

WORK DONE: Surface geological mapping, 1:10 000, covering all claims; geochemical survey, 123 soil samples and 28 rock samples analysed for copper, lead, zinc, and molybdenum, covering Nepa 1, 3, 5.

REFERENCES: Mineral Inventory 92I/NW-17, 34; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1970, p. 344; 1973, pp. 209, 210; Assessment Reports 2840, 4586, 6633.

L (Fig. E-1, NTS 92, No. 116)

LOCATION: Lat. 50° 50' Long. 121° 18' (92I/14W)
KAMLOOPS M.D. Three kilometres northeast of Cache Creek, on Lopez Creek.

CLAIM: L 1 (16 units).

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

DESCRIPTION:

The property is underlain by a tilted sedimentary sequence composed predominantly of black shales with interbeds of more resistant sandstone, massive mudstone, and rarely limestone and dolomite. The sandstones are grey, fine grained, and arkosic, and occur as both platy and massive beds. The limestones are fine grained, grey, and crystalline, and probably occur as small pods. One outcrop has such a pod with shales domed over it. Grey, fine-grained dolomite occurs only in the west central part of the claim, an area which has little shale. The dolomite is considered to belong to the Permian Cache Creek Group whereas the sandstones and shales of the central and eastern area are thought to be of Middle and Upper Jurassic age.

In the northwest corner of the ground, the sedimentary rocks are overlain by massive andesite. The volcanic rock is medium to coarse grained, green with some traces of disseminated pyrite. It is pervasively chlorite-altered and very weakly carbonate-altered. The northwest corner of the outcrop zone has a small, black, coarsely crystalline limestone pod surrounded by altered andesite.

WORK DONE: Surface geological mapping, 1:12 500, and geochemical survey, 99 soil samples analysed for copper, lead, zinc, and silver, covering L 1.

INDEX (Fig. E-1, NTS 92, No. 145)

LOCATION: Lat. 50° 32' Long. 122° 00' (92J/9E; 92I/12W)
Report on this property in 92J/9E.

MAGGIE (Fig. E-1, NTS 92, No. 117)

LOCATION: Lat. 50° 55.5' Long. 121° 25' (92I/14W)
KAMLOOPS M.D. Fourteen kilometres north-northwest of Cache Creek, on the west side of Highway 97.

CLAIMS: Mineral Lease M-33R comprising AVOCA, AVON, AMAZON, ANKOBRA, ATRATO, ATARBOO, ARKANSAS, AXIM, ALABAMA

1977

(921/14E)

FR., ATHABASKA FR., ASSINIBOINE FR., AMOOR FR. (Lots 410 to 421 inclusive), plus 150 located claims including MM, M, MO, R, MAG, B, JB 1 (6 units), JB 2 (4 units), JB 3 (2 units).

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METALS: Copper, molybdenum.

WORK DONE: Induced polarization survey, 1.2 kilometres, covering Avoca (Lot 410), Amazon (Lot 412), MM 1, 2, and 4 Fractions, and M 8.

REFERENCES: Mineral Inventory 921/NW-15; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1975, pp. E 91, E 92; D. C. Miller, 1976, Porphyry Deposits of the Canadian Cordillera, *CIM*, Special Vol. 15, pp. 329-335; Assessment Report 6537.

BURR (PYRITE) (Fig. E-1, NTS 92, No. 118)

LOCATION: Lat. 50° 45.5' Long. 121° 10' (921/14E)
KAMLOOPS M.D. Eight kilometres northeast of Ashcroft, on both sides of the Thompson River at Maharg.

CLAIM: PY 1 (20 units).

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METALS: Copper, gold, silver.

DESCRIPTION:

The property is mainly underlain on the east by Lower Jurassic, intermediate, intrusive rocks of the Guichon batholith and on the west by Upper Triassic Nicola Group volcanic rocks and lesser sedimentary rocks. The contact between these two rock types trends approximately north-northwest through the central portion of the property.

On the south side of the Thompson River, the Nicola rock is composed mostly of greenstone with its usual abundance of secondary chlorite and epidote. On the north side of the river, the Nicola rock is porphyritic in spots and does not appear to have suffered so intensively from regional metamorphism. In the central portion of the property adjacent to the contact, an area approximately 50 metres by 400 metres mostly of Nicola rock, is highly pyritized and forms a distinct gossan which extends south from the railway tracks. The pyrite content of the gossan varies from 2 to 8 per cent.

The intrusive rocks of the Guichon batholith tend to have a gabbro to diorite composition in the immediate vicinity of the contact but, in regions more distant, they are more distinctly quartz diorite in composition. The intrusive rocks show little alteration except for moderate chlorite and weak sericite in certain areas near the contact.

WORK DONE: Surface geological mapping, 1:10 000, and geochemical survey, 105 soil and 59 rock samples analysed for copper, lead, zinc, and molybdenum, covering PY 1.

REFERENCES: Mineral Inventory 921/NW-31; *Minister of Mines, B.C.*, Ann. Rept., 1898, p. 1107; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1969, p. 263; 1970, p. 348; Assessment Reports 2259, 6634.

FAIRVIEW (PAL, QUINTO) (Fig. E-1, NTS 92, No. 119)

LOCATION: Lat. 50° 47' Long. 121° 02' (92I/14E)
 KAMLOOPS M.D. Eighteen kilometres east-northeast of Ashcroft, on the north side of the Thompson River at Anglesey.

CLAIMS: QUINTO, QUINTO II to QUINTO VII (80 units).

OWNER: THE QUINTO MINING CORPORATION, 8, 784 Thurlow Street, Vancouver.

METALS: Copper, zinc, silver, lead.

DESCRIPTION:

The property is underlain by the northern extremity of the Guichon batholith which intrudes the Triassic Nicola volcanic rocks and sedimentary rocks. Later quartz feldspar porphyry plugs intrude the Nicola volcanic rocks at the northwest end of the grid. All of the above rock types are overlain to the north by a thick Tertiary volcanic and sedimentary sequence.

The majority of the mineralization observed is contained within the Nicola rocks. Three types of mineralization are recognized, one of which is the pyrite, chalcopyrite, sphalerite ± galena zones in Nicola andesitic flows and porphyries of which the Main and East showings are a part. The second type comprises magnetite ± chalcopyrite replacements in the Nicola volcanic rocks and limestones near their contact with the Guichon quartz diorite. These are generally contained in the most magnetically active areas. The third and least common type is the native copper, malachite, and azurite noted in the Nicola limestone in the northeast corner of the grid. Zinc appears to be also with this type.

WORK DONE: Linecutting, 30.5 kilometres; geochemical survey, 1097 soil samples analysed for copper and zinc; ground magnetometer survey, 56 kilometres; and geological mapping, 1:5000, covering Quinto, Quinto II to VI.

REFERENCES: Mineral Inventory 92I/NW-37, 52, 58, 59; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, pp. 214, 215; Assessment Reports 4718, 6527.

GOLD BUG (Fig. E-1, NTS 92, No. 142)

LOCATION: Lat. 50° 55' Long. 120° 21' (92I/16W)
 KAMLOOPS M.D. Twenty-six kilometres north of Kamloops, on Venn Creek, 1 kilometre west of Jamieson Creek.

CLAIMS: GOLD BUG, LUCKY STRIKE, IRON CAP.

OWNER: MIKE SALK, 1145 Halston Avenue, North Kamloops.

METALS: Gold, silver, lead, zinc, molybdenum.

WORK DONE: Road construction, 2 kilometres rebuilt on Gold Bug and Lucky Strike and 1 kilometre of new road on Iron Cap.

REFERENCES: Mineral Inventory 92I/NE-86; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 106.

1977

(92I/16E)

JAM (Fig. E-1, NTS 92, No. 170)

LOCATION: Lat. 50° 54.5' Long. 120° 01' (92I/16E)
KAMLOOPS M.D. Eighteen kilometres east-northeast of Hefley Creek village, on the west side of Louis Creek, 4 kilometres southeast of Community Lake.

CLAIM: JAM 16 (12 units).

OWNER: Chuck Marlow.

OPERATOR: C. T. PASIEKA, Box 175, Kamloops.

METALS: Copper, silver.

DESCRIPTION: Rocks exposed are highly disturbed metasedimentary rocks, comprising quartzite, quartz latite, argillite, and limestone, thought to be Triassic in age. Some volcanic units were observed. Mineralization, in the form of knots and blebs of pyrite and chalcopyrite, occurs in a quartz vein varying in thickness from several centimetres to several metres. These quartz lenses strike east-northeast and have been traced for a few hundred metres.

WORK DONE: Linecutting, 21.2 kilometres and ground magnetometer survey, 12.9 kilometres, covering Jam 16.

REFERENCES: Mineral Inventory 92I/NE-135; Assessment Report 6605.

PEMBERTON 92J

SOO (Fig. E-1, NTS 92, No. 144)

LOCATION: Lat. 50° 14' Long. 122° 58' (92J/2W)
VANCOUVER M.D. Ten kilometres north of Alta Lake, on the north side of Soo River and at the head of Sixteen Mile Creek.

CLAIMS: SOO 1 (6 units), SOO 2 (9 units).

OWNER: John McGoran.

OPERATOR: RAINBOW SYNDICATE, 3091 West Third Avenue, Vancouver V6K 1M9.

METAL: Copper.

DESCRIPTION: The Soo 2 claim (on the north side of the Soo River) is underlain by a rock pendant within the Coast Plutonic Complex. The rocks within the pendant largely comprise andesitic, dacitic, and rhyolitic, volcanoclastic rocks, of probable Early Cretaceous age, which have been metamorphosed to greenschist. Some chalcopyrite occurs in the metavolcanic rocks.

WORK DONE: 1976 and 1977 — prospecting, covering Soo 2; linecutting, 11.3 kilometres and geological mapping, 1:1200, covering Soo 1.

REFERENCES: Mineral Inventory 92J/SE-153; Assessment Reports 6573, 6581.

1977

(92J/3E)

VENETIAN (Fig. E-1, NTS 92, No. 48)

LOCATION: Lat. 50° 00' Long. 123° 06' (92G/14E; 92J/3E)
Report on this property in 92G/14E.

IT (Fig. E-1, NTS 92, No. 155)

LOCATION: Lat. 50° 09' Long. 123° 08' (92J/3E)
VANCOUVER M.D. Thirteen kilometres due north of Brandywine Falls, on a south-flowing branch of Callaghan Creek.

CLAIMS: IT 41 to 46.

OWNER: D. Hall.

OPERATOR: ABACA RESOURCE INDUSTRIES INC., 850 West Hastings Street, Vancouver.

DESCRIPTION: Gambier Group intermediate pyroclastic rocks are intruded, on the east, by diorite which, in turn, has been intruded by quartz diorite, all of which are cut by dykes of Garibaldi basalt and andesite. The Gambier Group rocks are at greenschist metamorphic grade.

WORK DONE: Surface geological mapping, 1:4800, covering all claims.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, p. 202; Assessment Report 6359.

SANTA (Fig. E-1, NTS 92, No. 154)

LOCATION: Lat. 50° 10.5' Long. 123° 08' (92J/3E)
VANCOUVER M.D. Sixteen kilometres due north of Brandywine Falls, at the headwaters of a south-flowing branch of Callaghan Creek.

CLAIMS: SANTA (20 units), SANTA EAST (3 units), SANTA NORTH (6 units), SANTA SOUTHEAST (2 units), SANTA SOUTH (4 units).

OWNER: LAKEWOOD MINING CO. LTD., 2245 West 13th Avenue, Vancouver.

WORK DONE: Geochemical survey; road construction, 6.5 kilometres.

REFERENCE: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 122.

ANN (Fig. E-1, NTS 92, No. 156)

LOCATION: Lat. 50° 14' Long. 123° 12' (92J/3E)
VANCOUVER M.D. Three kilometres north of Callaghan Lake, 1.5 kilometres south of the Soo River.

CLAIMS: ANN 1 (4 units), ANN 2 (12 units).

OWNER: CANEX PLACER LIMITED, 800, 1030 West Georgia Street, Vancouver V6E 3A8.

DESCRIPTION: The property is underlain by Coast Range granodiorites capped over much of the property by Cretaceous dacite tuffs and breccias and Miocene ? andesite flows. A large shear zone, 100 to 200 metres wide, runs along the divide between the Soo River and Callaghan Creek. This zone is flooded with pyrite and the rocks, both granodiorite and dacite,

1977

(92J/9E)

are quite bleached. Except for geochemically high amounts of copper in the streams, no copper mineralization was found.

WORK DONE: 1976 — prospecting, 13 silt samples analysed for copper, zinc, lead, tungsten, molybdenum, cadmium, nickel, cobalt, silver, and gold, covering Ann 1 and 2; 1977 — prospecting, 16 rock samples analysed for copper, zinc, silver, and gold, covering Ann 1 and 2.

REFERENCE: Assessment Report 6291.

INDEX (Fig. E-1, NTS 92, No. 145)

LOCATION: Lat. 50° 32' Long. 122° 00' (92J/9E; 92I/12W)

LILLOOET M.D. Twenty-eight kilometres southeast of Seton Portage, at the head of the north fork of Texas Creek.

CLAIMS: INDEX, GLOBE, CP FR., LAST CHANCE (Lots 1306 to 1310 inclusive), LEGAL TENDER (Lot 5074), LUCKY JACK FR. (Lot 5076), LYTON FR. (Lot 5079), SUNSET (Lot 5080), ASPIN (Lot 5081), HOPE (Lot 5083), CLONMELL (Lot 5111), OUTLET FR. (Lot 5112), ARMES FR. (Lot 5113).

OWNER: J. R. KERR, 1, 219 Victoria Street, Kamloops.

METAL: Molybdenum.

DESCRIPTION:

The property is underlain by sedimentary and minor volcanic rocks of the Cache Creek Group, intruded by a small, zoned granodiorite stock. Molybdenite mineralization is primarily confined to the fine-grained, aplitic-textured core of this stock.

Molybdenite occurs as 'paint' on fractures and as scattered coarse flakes in a few quartz veins; however, its main mode of occurrence is as clots of fine-grained crystals within small lenticular zones. A number of these zones which can assay up to several per cent molybdenite are present in an area roughly 200 metres long by 75 metres wide near the west end of the core zone of the intrusion. Anomalous radioactivity has been noted by several workers but no uranium minerals have been identified.

This mineral occurrence does not appear to be of the 'porphyry' type but more closely resembles a late-stage deuteric or pegmatitic environment. More detailed study is required to assess its ultimate economic potential.

The property was discovered in the early 1900's and one small shipment of high-grade material was made in 1916. Sporadic exploration has been carried out over the years including road building, trenching, geological and geochemical surveying, and limited diamond drilling.

WORK DONE: 1976 — surface geological mapping, 1:5000, covering all claims.

REFERENCES: Mineral Inventory 92J/NE-78; *Minister of Mines, B.C.*, Ann. Rept., 1916, p. 26; 1935, p. F58; 1949, pp. 113, 114; 1964, p. 84; 1965, p. 145; 1966, p. 140; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1970, pp. 227, 228; *Geol. Surv., Canada*, Mem. 262, p. 106; *Economic Geology*, Vol. 46, 1951, pp. 353-366; Assessment Report 6213.

1977

(92J/14W)

SALAL (Fig. E-1, NTS 92, No. 153)

LOCATION: Lat. $50^{\circ} 47'$ Long. $123^{\circ} 24'$ (92J/14W)
LILLOOET M.D. Sixty-four kilometres northwest of Pemberton, on the north side of the east fork (Lost Fork) of Salal Creek, in Athelney Pass.

CLAIMS: SALAL 1 to 4 (20 units each), SALAL 5 to 7 (9 units each).

OWNER: BP Minerals Limited.

OPERATOR: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

METAL: Molybdenum.

DESCRIPTION: The Salal Creek pluton is a comagmatic intrusion of three major phases of quartz monzonite. Molybdenite mineralization is widespread throughout the property and appears to be mainly structurally controlled.

WORK DONE: 1976 — surface diamond drilling, one HQ-NQ hole totalling 882.7 metres on Salal 4 (unit 15); 1977 — geological mapping, 1:5000; geochemical survey, 400 rock samples analysed for molybdenum, zinc, fluorite, and tungsten; and control survey, 20-metre contours (preparation of orthophotos), covering Salal 1 to 4 and 7.

REFERENCES: Mineral Inventory 92J/W-70; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 123; Assessment Reports 6345, 6355.

ELEPHANT (Fig. E-1, NTS 92, No. 150)

LOCATION: Lat. $50^{\circ} 49.5'$ Long. $122^{\circ} 49.5'$ (92J/15W)
LILLOOET M.D. Three kilometres south of Gold Bridge, between the Bralorne Road and Hurley River.

CLAIM: ELEPHANT (Lot 444).

OWNER: G. A. ROSE, Box 721, Lillooet V0K 1V0.

METALS: Gold, silver, arsenic.

WORK DONE: Slashing and stripping, 40 metres; pitting and panning, 60 metres; and trail cutting, 60 metres, covering Elephant.

REFERENCES: Mineral Inventory 92J/NE-21; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 123.

BRX (CALIFORNIA, ARIZONA) (Fig. E-1, NTS 92, No. 152)

LOCATION: Lat. $50^{\circ} 50'$ Long. $122^{\circ} 50'$ (92J/15W)
LILLOOET M.D. From Gold Bridge southward to the Bralorne property, a distance of 5.3 kilometres.

CLAIMS: Fifty-six surveyed claims including CALIFORNIA (Lot 3173) and ARIZONA (Lot 3176).

OWNER: Hat Creek Energy Corporation.

OPERATOR: PAUL POLISCHUK, Box 466, Lillooet V0K 1V0.

METALS: Gold, silver, copper, zinc, molybdenum, tungsten.

DESCRIPTION:

The rock formations underlying this property include volcanic and sedimentary rocks of the Fergusson Group of Permian age, a large body of Bralorne augite-diorite, and other intrusive rocks. The Bralorne diorite grades into a belt of volcanic rocks correlated with the Pioneer greenstone formation. In faulted relationship to members of the Fergusson Group is a partly synclinal belt of sedimentary rocks of the Hurley Formation. The general trend of these rocks is northerly, lengthwise of the property.

The California workings explore vein deposits in a shear that has been traced about 750 metres over the California and Oregon claims. The average strike of the shear is north 60 degrees west and dips vary from 45 degrees to 60 degrees northeast. It varies in width from several centimetres to 9 metres. The vein consists of quartz with disseminations and streaks of pyrite, arsenopyrite, and a little free gold. Narrow stringers and widely scattered grains of scheelite are also reported.

The Gloria Kitty workings encountered two sets of vein-bearing fissures, one striking west and the other more northwest. The country rocks include an intimate association of dioritic and greenstone types and are intersected by a dyke or small stock of quartz albitite. Vein quartz deposits along the fissures are small, discontinuous, and sparsely mineralized with pyrite and arsenopyrite.

The Arizona workings are mainly in augite-diorite and associated minor bodies of greenstone-diorite. Two short adits follow fissures. The more northerly strikes north 50 degrees west and dips 55 degrees north. The quartz vein is well defined and varies from several centimetres to 0.6 metre in width. It is ribboned, mineralized with pyrite, galena, sphalerite, and chalcocite and contains gold and silver values. The second fissure curves, striking, in part, about north 35 degrees west and, in part, about north 65 degrees west. Dips are northeasterly at 45 degrees to 60 degrees. It is up to 1 metre wide and followed by a narrow, discontinuous quartz vein mineralized with chalcocite, sphalerite, pyrite, and chalcopyrite and stained with copper carbonates and iron oxide. Gold and silver values were reported.

The Golden Gate adit was driven along a wide shear that strikes north 20 degrees west and dips to the northeast. The shear intersects diorite and quartz albitite. Small concentrations of needle-like prisms of arsenopyrite carry gold values.

In 1937, a sample weighing 63.5 kilograms was sent to the Mines Branch in Ottawa for analyses. Assays from this investigation ran 21.3 grams per tonne gold; 5.1 grams per tonne silver; 0.01 per cent copper; 4.60 per cent iron; 2.68 per cent sulphur, and 0.14 per cent arsenic.

WORK DONE: Prospecting; road repairs; underground work, timbering adits and mucking out cave-ins in Arizona adit.

REFERENCES: Mineral Inventory 92J/NE-20 to 26; *Minister of Mines, B.C.* (numerous), 1932, p. 220 (first); 1950, p. 109 (latest); *Geol. Surv., Canada*, Mem. 130, pp. 89, 90; Mem. 213, pp. 94-100.

1977

(92J/15W)

CHARLOTTE (Fig. E-1, NTS 92, No. 148)

LOCATION: Lat. 50° 58.5' Long. 122° 50' (92J/15W)
LILLOOET M.D. Fourteen kilometres due north of Gold Bridge, at the head of a north-flowing tributary of Taylor Creek.

CLAIMS: CHARLOTTE 9 to 12.

OWNER: CORA R. PHILLIPS, Gold Bridge VOK 1P0.

WORK DONE: Road repairs, 12.8 kilometres, both to and on claims; physical work, 35 cubic metres, cleaning out old cut on Charlotte 9.

REFERENCE: *B.C. Ministry of Mines & Pet. Res.*, GEM, 1969, p. 186.

WAYSIDE (Fig. E-1, NTS 92, No. 151)

LOCATION: Lat. 50° 53' Long. 122° 49.5' (92J/15W)
LILLOOET M.D. Three kilometres north-northeast of Gold Bridge, on the northwest shore of Carpenter Lake.

CLAIMS: Mineral Lease M-57 (WAYSIDE, Lot 3036) and 27 other surveyed claims.

OWNER: DAWSON RANGE MINES LTD., Box 466, Lillooet.

METAL: Gold.

WORK DONE: Road repair and installation of steel culvert at No. 5 adit.

REFERENCES: Mineral Inventory 92J/NE-30; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 124.

CONGRESS (STIBNITE, ACE) (Fig. E-1, NTS 92, No. 149)

LOCATION: Lat. 50° 53.5' Long. 122° 48' (92J/15W)
LILLOOET M.D. Six kilometres northeast of Gold Bridge, on the north side of Carpenter Lake.

CLAIMS: STIBNITE 1 to 4 (Lots 7236 to 7239), DAVID FR., ROBERT FR., SNOWFLAKE FR., and TX NO. 1 FR. (Lots 7241 to 7244), and approximately 18 located claims including ACE, NAP 1 (20 units), NAP 3 and 4, POT Fraction, KETTLE.

OWNER: NEW CONGRESS RESOURCES LTD., 100, 626 West Pender Street, Vancouver.

METALS: Gold, silver, antimony.

DESCRIPTION: The property is underlain by volcanic rocks, argillites, and chert of the Fergusson Group, which are intruded by felsite dykes, irregular masses of gabbro, and ultrabasic dykes, now highly altered to rusty carbonate-silica masses. The veins are composed mainly of stibnite and associated vein quartz. The principal values are in gold which is associated with bodies of replaced greenstone.

WORK DONE: Diamond drilling, three BQ holes totalling 149.1 metres on Nap 1 (the A zone).

REFERENCES: Mineral Inventory 92J/NE-29; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 283; Assessment Report 6239.

1977

(92J/15E)

MARY MAC (HJ) (Fig. E-1, NTS 92, No. 147)

LOCATION: Lat. 50° 52' Long. 122° 40' (92J/15E)
LILLOOET M.D. On Truax Creek, 4 kilometres southwest of Carpenter Lake.

CLAIM: HJ (16 units).

OWNER: Harry J. Street.

OPERATORS: HARRY J. STREET and S&B MINING ENTERPRISES LTD., General Delivery, Gold Bridge VOK 1P0.

METALS: Antimony, molybdenum, gold.

DESCRIPTION: Two quartz veins, apparently associated with a basic intrusive rock, are mineralized with arsenopyrite, pyrite, antimony, and magnetite, carrying gold. Some molybdenite was recently reported.

WORK DONE: 1976 and 1977 — underground work, 30.5 metres of portal; trenching and stripping, 0.2 hectare; and road construction, 0.8 kilometre, on HJ; mill construction.

REFERENCES: Mineral Inventory 92J/NE-106; *Minister of Mines, B.C.*, Ann. Rept., 1932, p. 216.

RHODES (KING) (Fig. E-1, NTS 92, No. 146)

LOCATION: Lat. 50° 46.5' Long. 122° 13' (92J/16E)
LILLOOET M.D. Two kilometres southeast of Terzaghi Dam at the east end of Carpenter Lake.

CLAIMS: KING 1 to 4, 51, 52 (1 unit), MINERAL KING 21, 23, 24.

OWNER: BENN EXPLORATIONS LTD., 2602, 1055 West Georgia Street, Vancouver V6E 3P3.

METALS: Gold, silver, copper, lead, zinc.

DESCRIPTION: The claim group covers a contact zone of Coast granites abutting Devonian quartzites and limestones. Large-scale faulting has brecciated the limestone. Sulphide veins carrying gold and silver have been investigated since 1913 by pits and at least one adit.

WORK DONE: Ground electromagnetic survey, 3 kilometres on King 51 and 52.

REFERENCES: Mineral Inventory 92J/NE-40; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 129; *Geol. Surv., Canada*, Sum. Rept., 1913, p. 207; Assessment Reports 994, 6253.

BUTE INLET 92K

OK (Fig. E-1, NTS 92, No. 157)

LOCATION: Lat. 50° 02.5' Long. 124° 39' (92K/2E)
VANCOUVER M.D. Nineteen kilometres north-northwest of Powell River, 3 kilometres south of Theodosia Inlet and 4 kilometres east of Lancelot Inlet.

1977

(92K/3W)

CLAIMS: DEE 1 to 226, OK 1 to 74, IN 1 to 16, 150 to 156, 161 to 164, 180, MBM 1 to 6, INLET 1 to 16 Fractions, KYDIDLE 1 and 2 Fractions.

OWNERS: R. Mickle and M.V. Boylan.

OPERATOR: WESTERN MINES LIMITED, 1103, Three Bentall Centre, Box 49066, Vancouver.

METALS: Copper, molybdenum.

DESCRIPTION: The area is underlain by granodiorite in contact with an older diorite-gabbro-andesite-basalt complex to the east and diorite to the southwest. The granodiorite is cut by a north-northwest-striking porphyritic quartz monzonite dyke, 60 to 110 metres in width. Pyrite, chalcopyrite, and some molybdenite occur in granodiorite along the quartz monzonite and to a lesser degree within the quartz monzonite.

WORK DONE: Geological mapping, covering IN 160-164 and OK 24, 26; diamond drilling, three BQ holes totalling 600 metres on IN 161 and 163.

REFERENCES: Mineral Inventory 92K-8; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, p. 207; *B.C. Ministry of Mines & Pet. Res.*, *Geology in B.C.*, pp. G 53, G 54.

COPPER BELL (Fig. E-1, NTS 92, No. 158)

LOCATION: Lat. 50° 07' Long. 125° 16' (92K/3W)
NANAIMO M.D. On Quadra Island, 4 kilometres northwest of Heriot Bay village.

CLAIMS: COPPER BELL 1 and 2.

OWNER: QUADRA BELL MINING CO. LTD., 1161 South Alder Street, Campbell River V9W 1Z8.

METALS: Copper, silver.

DESCRIPTION: The claims are underlain chiefly by amygdaloidal basaltic lavas. Chalcocite is associated with quartz in vertical faults.

WORK DONE: Trenching, 9 metres on Copper Bell 1.

REFERENCES: Mineral Inventory 92K-71; *B.C. Ministry of Mines & Pet. Res.*, *Exploration in B.C.*, 1976, p. E 125.

RED (Fig. E-1, NTS 92, No. 159)

LOCATION: Lat. 50° 17' Long. 124° 55' (92K/7W)
VANCOUVER M.D. On the northwest side of Redondo Island, 4 kilometres northeast of Redondo Bay.

CLAIMS: RED 1 to 4, 9, 10, TISH 1 to 5.

OWNER: TECK CORPORATION LTD., 1199 West Hastings Street, Vancouver V6E 2K5.

METALS: Copper, molybdenum.

DESCRIPTION: Hornblende porphyry and quartz porphyry intrude diorite. Chalcopyrite and molybdenite with abundant pyrite occur as disseminations and in fracture fillings.

1977

(92L/2W)

WORK DONE: Linecutting, 4 kilometres; geochemical survey, 385 soil samples analysed for copper and molybdenum, covering Red 1, 9, 10; seven soil profile pits, 15 cubic metres, on Red 1 and 10.

REFERENCES: Mineral Inventory 92K-92; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 286; Assessment Reports 638, 4167, 6330.

ALERT BAY 92L

YAUCO (Fig. E-1, NTS 92, No. 33)

LOCATION: Lat. 50° 03' Long. 126° 47' (92L/2W)

ALBERNI M.D. On the north side of the confluence of Zeballos River and Nomash Creek.

CLAIMS: YAUCO 2 and 4, YAUCO Fraction, GOLD ROCK 1 and 3, GOLD ROCK Fraction, BIG BEN.

OWNER: Diana Explorations Ltd.

OPERATOR: DONALD W. TULLY, 102, 2222 Bellevue Avenue, West Vancouver.

WORK DONE: Trenching, approximately 180 cubic metres on Gold Rock 3.

REFERENCE: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 113.

BOB, HAB (Fig. E-1, NTS 92, No. 34)

LOCATION: Lat. 50° 18' Long. 126° 45' (92L/7)

NANAIMO M.D. At the south end of Bonanza Lake.

CLAIMS: BOB 1 to 13, 15 to 24, 26 to 31, 33, HAB 1 to 14, 39 to 48.

OWNERS: R. McIver and Imperial Oil Limited.

OPERATOR: IMPERIAL OIL LIMITED, 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, iron, (gold, silver, zinc).

DESCRIPTION: Pods of chalcopyrite, magnetite, hematite, pyrite mineralization occur in limestone and garnet-epidote, actinolite-chlorite, quartz skarn and skarn breccia. The skarn zone is an infolded (?) inlier of skarnified limestone and basic volcanic rocks within a Jurassic intrusion.

WORK DONE: Surface diamond drilling, five BQ holes totalling 712 metres on Bob 3, 4, 6.

REFERENCES: Mineral Inventory 92L-134, 164, 254, 255; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 128, E 129; Assessment Report 6267.

PROSPEX (Fig. E-1, NTS 92, No. 35)

LOCATION: Lat. 50° 33.5' Long. 127° 04' (92L/11E)

NANAIMO M.D. Four kilometres south-southeast of Port McNeill.

CLAIM: PROSPEX 1.

OWNER: DON WICKSTROM, 9101 Norum Road, Delta.

1977

(92L/11W)

DESCRIPTION: The two drill holes intersected Karmutsen volcanic rocks, limestone, greenstone, and greywacke.

WORK DONE: 1976 — surface diamond drilling, two holes totalling 39 metres on Prospex 1.

REFERENCE: Assessment Report 6395.

RUPERT, EXPO, KEN (Fig. E-1, NTS 92, No. 36)

LOCATION: Lat. 50° 36' Long. 127° 23' (92L/11W)
NANAIMO M.D. From 7.3 kilometres east of the east end of Holberg Inlet to 3.5 kilometres north of the Island Copper mine.

CLAIMS: RUPERT 1 to 30, EXPO 19 to 27, 29 to 44, 51 to 95, several EXPO Fractions, E 1 to 6, 19 to 31, 37, 39 to 50, 53 to 72, LORRI 1 to 10, LORRI 1 Fraction, plus others including KEN, CAR, F, JIM, BEE, SPAM, TAR, totalling approximately 220.

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

METAL: Copper.

DESCRIPTION: Faint copper (chalcopyrite) mineralization occurs in volcanic rocks of the Lower Bonanza Group and accompanying monzonite porphyritic rock. These rocks are underlain by limy black argillite and sandy sedimentary rocks of the Parson Bay Formation.

WORK DONE: Surface diamond drilling, six BQ holes totalling 673.6 metres on Expo 34, 66, 85 and Rupert 20.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, p. 215; Assessment Report 6270.

EXPO (Fig. E-1, NTS 92, No. 37)

LOCATION: Lat. 50° 40' Long. 127° 50' (92L/12W)
NANAIMO M.D. On the north side of Holberg Inlet, between 7 and 32 kilometres west of Coal Harbour, northward to Nahwitti Lake.

CLAIMS: EXPO 1 to 9, 11 to 18, 101 to 164, 177 to 466, 471 to 502, 521 to 542, 547 to 566, 571 to 586, 615, 616, 645 to 650, 656, 671, 673, 679, 680, 685 to 690, 695, 696, 699, 700, 824, 833 to 838, 850 to 879, 876A to 879A, 882 to 891, 896 to 899, 980 to 1007, EXPO 101, 503, 504, 1008, 1011 Fractions, HEP 1 to 101, MOE 1 to 4, WAN 1 to 5 Fractions, T 1 to 4 Fractions.

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

METALS: Copper, molybdenum.

DESCRIPTION: Pyrite, as disseminations and in veinlets, is the most widespread and abundant sulphide. Chalcopyrite and molybdenite occur in very minor amounts and in scattered areas. The Expo claims are underlain by volcanic and sedimentary rocks of Triassic age and of Late/Early Jurassic age. These rocks are intruded by several plutons of different

sizes, monzonitic to dioritic in composition. Also there appear to be several breccia bodies, possibly related to volcanic centres, within the volcanic rocks.

WORK DONE: Surface diamond drilling, six NQ holes totalling 906 metres on Expo 259, 261, 283 and Hep 54, 59, 100.

REFERENCES: Mineral Inventory 92L-240; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 129; Assessment Report 6531.

MO (Fig. E-1, NTS 92, No. 38)

LOCATION: Lat. 50° 43' Long. 127° 55' (92L/12W)
NANAIMO M.D. Three and one-half kilometres west of Nahwitti Lake.

CLAIMS: BUD 1, TI 2, 4, 6, 8, 29 to 31, 34, MACH (4 units), ONE (2 units), CHAU (1 unit).

OWNER: PAN ACHERON RESOURCES LTD., 101, 325 Howe Street, Vancouver V6C 1Z7.

METALS: Zinc, (copper, lead, silver).

DESCRIPTION: Geological mapping completed during 1968 to 1970 showed the property to be underlain by rocks of the Vancouver Group, intruded by Jurassic to Tertiary quartz diorite.

WORK DONE: Four trenches, 25 metres total length; six old trenches cleaned, 30 metres total length.

REFERENCES: Mineral Inventory 92L-181; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, pp. E 114, E 115.

MOUNT WADDINGTON 92N

VAN (Fig. E-1, NTS 92, No. 160)

LOCATION: Lat. 51° 21' Long. 125° 36' (92N/5)
VANCOUVER M.D. Thirty kilometres north of the head of Knight Inlet, along Hoodoo Creek, on the east side of Klinaklini River.

CLAIMS: BZT 1 to 9 (103 units).

OWNER: AMAX POTASH LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.

METALS: Copper, molybdenum, zinc.

DESCRIPTION: A high level acid porphyry stock and an associated dyke swarm intrude plutonic and metamorphic rocks of the Coast Plutonic Complex. Copper, molybdenum, and zinc occur on fractures and in quartz veins associated with pyritic porphyry stocks and breccia pipes.

WORK DONE: Surface geological mapping, 1:5000, and geochemical survey 75 soil samples analysed for copper and molybdenum, covering BZT 1, 5-8.

REFERENCES: Mineral Inventory 92N-29; Assessment Report 1668.

TASEKO LAKES 920**TUNGSTEN QUEEN (Fig. E-1, NTS 92, No. 161)**

LOCATION: Lat. 51° 02.5' Long. 122° 45' (920/2)
 LILLOOET M.D. On the east side of Relay Creek, between Mud and Noaxe Creeks.

CLAIMS: CUB (2 units), WOLF (4 units), SANDY 2 to 4, MERCURY 1, QUEEN Fraction.

OWNER: Florence Westbrook.

OPERATOR: NUSPAR RESOURCES LTD., 305, 535 Thurlow Street, Vancouver V6E 3L2.

METALS: Tungsten, antimony.

DESCRIPTION: Scheelite and stibnite occur in narrow quartz-carbonate stringers within a dolomite unit of the Fergusson Group. The dolomite has been intruded by feldspar porphyry immediately east of the Tungsten Queen showing. An irregular lens of serpentine was encountered in drill holes and observed in outcrop near the showing.

WORK DONE: Geochemical survey, 29 soil samples and six silt samples analysed for tungsten on Cub; diamond drilling, five AX holes totalling 138.7 metres on Wolf and Queen Fraction.

REFERENCES: Mineral Inventory 920-18; *Minister of Mines, B.C.*, Ann. Rept., 1941, p. 81; 1942, p. 78; 1952, p. 114; 1953, p. 100; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1969, p. 186; *Geol. Surv., Canada*, Paper 43-15, p. 38; *B.C. Ministry of Mines & Pet. Res.*, Bull. 10, pp. 101-104; Assessment Report 6287.

BONAPARTE RIVER 92P**IAIN (Fig. E-1, NTS 92, No. 171)**

LOCATION: Lat. 51° 09.5' Long. 120° 02' (92P/1E)
 KAMLOOPS M.D. Seven kilometres east-northeast of Louis Creek Post Office, on the northwest side of Mount Dixon.

CLAIMS: IAIN 1 (20 units), IAIN 2 (8 units).

OWNER: IMPERIAL OIL LIMITED, 314, 1281 West Georgia Street, Vancouver.

WORK DONE: Ground electromagnetic and magnetometer survey, 3 kilometres.

L, K (Fig. E-1, NTS 92, No. 163)

LOCATION: Lat. 51° 18.5' Long. 120° 06' (92P/8E)
 KAMLOOPS M.D. Four kilometres southeast of Chu Chua, on Newhykulston Creek.

CLAIMS: FABLE 1 to 5 (210 units).

OWNERS: PACIFIC CASSIAR MINES LTD., VESTOR EXPLORATIONS LTD., and SEAFORTH MINES LTD., 202, 1111 - 87th Avenue, Edmonton, Alta. T6G 0X9.

1977

(92P/8E)

METALS: Copper, silver.

DESCRIPTION: The property was staked to cover an area targeted by anomalous copper and zinc values in stream sediments. The lithologies are metavolcanic rocks, cherts, and limestones of the Fennell Formation.

WORK DONE: Reconnaissance and detailed stream sediment sampling.

REFERENCES: Mineral Inventory 92P-101; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1970, p. 313; 1972, pp. 316, 317.

WEST FORT (Fig. E-1, NTS 92, No. 162)

LOCATION: Lat. 51° 26' Long. 120° 12.5' (92P/8E)
KAMLOOPS M.D. Two kilometres northwest of Little Fort, on the north side of Spokane Creek.

CLAIM: WEST FORT (1 unit).

OWNER: HOWARD G. HANSEN, Little Fort V0E 2C0.

METALS: Gold, silver.

WORK DONE: Test pitting, 2 metres on West Fort.

LAKEVIEW, RED, PYCU (Fig. E-1, NTS 92, No. 172)

LOCATION: Lat. 51° 32' Long. 120° 23' (92P/9W)
KAMLOOPS M.D. Eight kilometres northwest of Little Fort, encompassing Latremouille, Laurel, Dear, McLeod, and Carol Lakes.

CLAIMS: FORT 1 to 9, ADD 4, 6, 15 to 27, LV 29 to 72, PYCU 3 and 4, COPPER 1 (14 units), SILVER 1 (12 units), GOLD 1 (16 units), BOB (4 units), CAROL (1 unit), TED (2 units).

OWNER: John S. Burns.

OPERATOR: MERIDIAN RESOURCES LIMITED, 706, 675 West Hastings Street, Vancouver V6B 1N2.

METAL: Copper.

WORK DONE: Linecutting; ground magnetometer survey, 20 kilometres, covering Fort 3-5, Add 20-25, Gold 1; geochemical survey, 406 soil samples analysed for copper, molybdenum, arsenic, silver, and gold, covering Gold 1, Copper 1, Fort 4, and Add 25; percussion drilling, 455 metres, on Gold 1.

REFERENCES: Mineral Inventory 92P-10, 27, 136; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, p. 275; Assessment Reports 905, 907, 910, 2712, 3349, 3945, 4028, 4262, 4835, 4947, 5424, 5425, 5734, 6586.

ERK (Fig. E-1, NTS 92, No. 164)

LOCATION: Lat. 51° 58' Long. 121° 11' (92P/14E)
CLINTON M.D. Twenty-three kilometres north-northwest of Forest Grove, on Bradley Creek.

CLAIMS: ERK 3 to 16, 19 to 32, 38 to 48.

1977

(92P/15W)

OWNER: EXPLORAM MINERALS LTD., 1004, 510 West Hastings Street, Vancouver V6B 1L8.

DESCRIPTION: The diamond drilling failed to reach bedrock.

WORK DONE: Surface diamond drilling, one BQ hole totalling 51 metres on Erk 23.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 122; 1976, p. E 133.

MIK (KIM) (Fig. E-1, NTS 92, No. 165)

LOCATION: Lat. 51° 48' Long. 120° 49' (92P/15W)
CLINTON M.D. Seven kilometres northeast of Canim Lake village, on the southeast shore of Canim Lake at Rock Bay.

CLAIM: MIK 1 (20 units).

OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver V6C 2R2.

METAL: Copper.

DESCRIPTION: Jurassic volcanoclastic rocks are intruded by a Cretaceous stock. Pyrite and minor associated chalcopyrite occur in fractures of weakly altered volcanic rocks.

WORK DONE: Percussion drilling, 10 holes totalling 801.6 metres on Mik 1.

REFERENCES: Mineral Inventory 92P-138; Assessment Report 6353.

GRIT (Fig. E-1, NTS 92, No. 166)

LOCATION: Lat. 51° 52' Long. 120° 17' (92P/16W)
KAMLOOPS M.D. Thirty kilometres north-northwest of Clearwater, eastward and southward from Maury Lake.

CLAIMS: GRIT 1 (20 units), GRIT 2 (20 units), GRIT 3 (8 units), GRIT 4 (10 units), GRIT 5 (20 units), GRIT 6 (6 units), GRIT 7 (4 units), GRIT 8 (3 units), GRIT 9 (6 units).

OWNER: Barrier Reef Resources Ltd.

OPERATOR: AQUITAINE COMPANY OF CANADA LTD., 540 Fifth Avenue SW., Calgary, Alta. T2P 0M4.

METALS: Lead, zinc, silver (in float).

DESCRIPTION: The area is largely covered by glacial overburden. The few outcrops in the area are quartzite and schists.

WORK DONE: Airborne magnetic and electromagnetic survey, 640 kilometres, covering Grit 1-5.

REFERENCES: Geology of Bonaparte Lake Map-Area, *Geol. Surv., Canada*, Mem. 363, 1971; Assessment Report 6622.

EAST CENTRAL BRITISH COLUMBIA
(NTS Division 93)

QUESNEL LAKE 93A

TJW (Fig. E-1, NTS 93, No. 1)

LOCATION: Lat. 52° 05' Long. 121° 22' (93A/3W)
CARIBOO M.D. One kilometre west of the west end of Murphy Lake.
CLAIMS: TJW (6 units), TJW B (2 units), TJW C (3 units).
OWNERS: Theodore Kuhn, Joseph Henry Franks, William Franks.
OPERATOR: JOSEPH HENRY FRANKS, 8842 - 119th Street, Delta V4C 6M4.
WORK DONE: Percussion drilling, four holes totalling 270 metres.
REFERENCE: Assessment Report 6381.

WL (Fig. E-1, NTS 93, No. 2)

LOCATION: Lat. 52° 14' Long. 121° 23' (93A/3W)
CARIBOO M.D. Eleven kilometres south-southeast of the community of Horsefly, straddling Deerhorn Creek.
CLAIMS: WL 1 to 12, 14, 16 to 28, 30, 32, 34, 37, 40, 42, 44, 46, 48, 50 to 54.
OWNER: EXPLORAM MINERALS LTD., 1004, 510 West Hastings Street, Vancouver V6B 1L8.
METAL: Copper.
DESCRIPTION: Rocks on the claims are predominantly andesite and dacite intruded by a granodiorite plug. Mineralization consisted of chalcopyrite and pyrite in dioritized volcanic breccia near the intrusive-volcanic contact.
WORK DONE: Surface diamond drilling, one BQ hole totalling 151 metres on WL 4.
REFERENCES: Mineral Inventory 93A-124; Assessment Report 6315.

MARINER (Fig. E-1, NTS 93, No. 9)

LOCATION: Lat. 52° 35' Long. 121° 26' (93A/11W)
CARIBOO M.D. Seven kilometres east-southeast of Likely, on the south bank of Spanish River.
CLAIM: MARINER II (4 units).
OWNER: MURRY B. NEILSON, 5938 Elm Street, Vancouver.
DESCRIPTION: Quartz veins with pyrite occur in argillite and quartzite.
WORK DONE: 1976 - prospecting covering Mariner II.
REFERENCE: Assessment Report 6460.

PROVIDENCE (Fig. E-1, NTS 93, No. 8)

LOCATION: Lat. 52° 38' Long. 121° 26' (93A/11W)
CARIBOO M.D. Twelve kilometres east-northeast of Likely, on China Mountain, between Blackbear and Collins Creeks.
CLAIMS: LIKE 1 to 6, LEE 1 (4 units).

1977

(93A/12W)

OWNER: R. Stokes.
OPERATOR: DeKALB MINING CORPORATION, 630 Sixth Avenue SW., Calgary, Alta T2P 0S8.
METALS: Silver, lead, zinc.
DESCRIPTION: Lead-silver mineralization occurs in three oxidized quartz vein structures that dip into a hillside at 20 to 30 degrees. Drilling indicates that the veins do not persist to depth and therefore do not represent an economic deposit due to low tonnage.
WORK DONE: Surface diamond drilling, five NQ holes totalling 355 metres on Like 2.
REFERENCES: Mineral Inventory 93A-3; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 135.

PR (Fig. E-1, NTS 93, No. 3)

LOCATION: Lat. 52° 40' Long. 121° 47' (93A/12W)
CARIBOO M.D. Eight kilometres west of Quesnel Forks, on the north side of Quesnel River.
CLAIMS: QR 1 (20 units), QR 2 (20 units), QR 3 (20 units), QR 4 (20 units), QR 5 (10 units), QR 6 (10 units).
OWNERS: Newconex Canadian Exploration Ltd., Dome Exploration (Canada) Limited, and P. E. Fox.
OPERATOR: NEWCONEX CANADIAN EXPLORATION LTD., 808, 525 Seymour Street, Vancouver V6B 3H7.
METAL: Copper.
DESCRIPTION: Disseminations and fracture fillings of pyrite and chalcopyrite occur in volcanic and intrusive rocks of Late Triassic/Early Jurassic age.
WORK DONE: Road construction, 30 kilometres; flagging of lines, 51 kilometres; geochemical survey, 368 soil samples; magnetometer survey, 51 kilometres; and surface geological mapping, covering all claims; percussion drilling, nine holes totalling 818 metres on QR 1 and QR 2; surface diamond drilling, three BQ holes totalling 308 metres on QR 2.
REFERENCES: Mineral Inventory 93A-121; *B.C. Ministry of Mines & Pet. Res.*, 1976, p. E 136; Assessment Reports 6079, 6417.

RIV (Fig. E-1, NTS 93, No. 4)

LOCATION: Lat. 52° 40' Long. 121° 54' (93A/12W)
CARIBOO M.D. North of the Quesnel River, 1.5 kilometres east of Slide Mountain.
CLAIM: RIV (20 units).
OWNER: Thomas E. Lisle.
OPERATOR: SHELL CANADA RESOURCES LTD., Box 100, Calgary, Alta. T2P 2H5.
METAL: Copper.

1977

(93A/12E)

DESCRIPTION: Mineralization consists of chalcocite, bornite, and occasional chalcopyrite occurring in erratic fractures at a dolomitic/limestone volcanic contact. Maximum thickness ranges up to 3 metres. Purple amygdaloidal and fragmental flows of an intermediate to mafic composition with grey and black (dolomitic) limestone constitute the lithologies.

WORK DONE: 1976 — prospecting; 1977 — geological mapping (21 days mapping, prospecting, and examining previous trenching); grab samples taken from trenches and showings.

REFERENCES: Mineral Inventory 93A-40, 41; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1971, pp. 135, 136; Assessment Report 6251.

CARIBOO-BELL (Fig. E-1, NTS 93, No. 7)

LOCATION: Lat. 52° 32' Long. 121° 37' (93A/12E)
CARIBOO M.D. On the west slope of Mount Polley, 9 kilometres south-southwest of Likely.

CLAIMS: BJ 1 to 27, 49 to 60, 63 to 72, 113 to 126, 129 to 132, 144, 159 to 168, RED 15 to 18, R 3 and 4 Fractions.

OWNER: HIGHLAND CROW RESOURCES LTD., 1199 West Hastings Street, Vancouver V6E 2K5.

METALS: Copper, gold.

DESCRIPTION: The deposit occurs in a multiple syenitic laccolith emplaced in the upper part of a thick sequence of Upper Triassic trachybasalts and volcanoclastic strata of the Quesnel Trough. Magnetite and chalcopyrite occur as disseminations and veinlets and in cavities in a breccia.

WORK DONE: Percussion drilling, seven holes totalling 573 metres on BJ 1-3, and 123.

REFERENCES: Mineral Inventory 93A-8; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1975, pp. E 126, E 127; Hodgson, C. J., Bailes, R. J., and Verzosa, R. S. (1976), Cariboo-Bell, *CIM*, Porphyry Deposits of the Canadian Cordillera, Special Vol. 15, pp. 388-396; Assessment Report 6326.

LOCK, HINGE (Fig. E-1, NTS 93, No. 6)

LOCATION: Lat. 52° 37' Long. 121° 38' (93A/12E)
CARIBOO M.D. Six kilometres east of Likely, on the south bank of the Quesnel River.

CLAIMS: LOCK 1 to 5 (58 units), HINGE 1 and 2 (12 units), CAP (9 units), ROAD (2 units), TOP (2 units), HAT (10 units), YALE (4 units).

OWNER: CANADIAN-AMERICAN LOAN INVESTMENT CORP. LTD., 319, 475 Howe Street, Vancouver.

DESCRIPTION: Disseminated pyrite occurs in pyroclastic rocks, gabbro, and andesite.

WORK DONE: Linecutting, 35 kilometres; ground magnetometer survey, 39 kilometres; ground electromagnetic survey, 34 kilometres; resistivity survey, 3.8 kilometres; self-potential survey, 12.1 kilometres; and geochemical survey, 381 soil samples, covering Hinge 1, Hat, Road, and Top.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., p. E 136; Assessment Reports 5954, 5955, 5956, 6437.

1977

(93A/13W)

WIM (Fig. E-1, NTS 93, No. 10)

LOCATION: Lat. 52° 59' Long. 121° 53' (93A/13W)
CARIBOO M.D. Immediately north of the Sovereign River, 1 kilometre west of its junction with Aris Creek.

CLAIMS: WIM 1 and 2, WIM CAL 1 and 2, WIM TA 1 to 6.

OWNER: R. TRIFAU, Box 1384, Camrose, Alta.

WORK DONE: Prospecting; chip sampling; geochemical survey, 38 soil samples analysed for nickel, chromium, copper, barite, and fluorite; stripping, 160 square metres; and road clearing, covering all claims.

CARIBOO-HUDSON (Fig. E-1, NTS 93, No. 52)

LOCATION: Lat. 52° 53' Long. 121° 20' (93A/14W)
CARIBOO M.D. Fifteen kilometres north-northeast of Keithly Creek, at the headwaters of Cunningham Creek.

CLAIMS: Mineral Lease M-32 and JIM (3 units).

OWNER: RESOURSEX LTD., Box 7248, Postal Station E, Calgary, Alta.

METALS: Silver, lead, zinc, gold, tin.

DESCRIPTION: The area is underlain by Precambrian or Cambrian metamorphosed sedimentary rocks, primarily limestone, chlorite schists, and slates of the Snowshoe Formation. Gold occurs in quartz veins. There are also silver-lead veins and scheelite zones in quartz-ankerite lenses in quartz-sericite schist.

WORK DONE: Surface diamond drilling, five NQ holes totalling 454 metres, on Mineral Lease M-32 and Jim.

REFERENCES: Mineral Inventory 93A-71; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 137.

ROUNDTOP, BON, PARK (Fig. E-1, NTS 93, No. 11)

LOCATION: Lat. 52° 55' Long. 121° 21' (93A/14W)
CARIBOO M.D. Twenty-seven kilometres southeast of Barkerville, extending from Nugget to Roundtop Mountain.

CLAIMS: ROUNDTOP 1, 3, 10 to 28, BON 1 to 4, BON Fraction, PARK 1 to 15, TARN, RT 41 to 44, BASE METAL 1 to 10, SILVER MOUNTAIN 2, PENNY (6 units), CRAZE (10 units), TREE (12 units), BOOZE (12 units), MID (16 units), SIM (8 units), WEE (2 units), NUG (12 units), LEAF (4 units), LOST (4 units).

OWNERS: Rio Tinto Canadian Exploration Limited, Coast Interior Ventures Ltd., R. J. Miller, and W. J. Thomson.

OPERATOR: RIO TINTO CANADIAN EXPLORATION LIMITED, 615, 555 Burrard Street, Vancouver V7X 1M8.

METALS: Lead, zinc, gold, silver.

DESCRIPTION: The Midas and Snowshoe Formations and, in particular, the zone of contact between them, contain gold and silver-bearing quartz veins. The

carbonate units within the Midas and Snowshoe contain disseminated and massive sulphides including galena and sphalerite.

WORK DONE: Surface geological mapping, 1:5000, covering all claims; electromagnetic, magnetometer, and self-potential surveys covering Craze, Booze, Nug, Bon 1-4, Park 9-12, and Roundtop 10-18, 41-44; geochemical survey, 2 475 samples analysed for lead, zinc, and copper, covering Nug, Booze, Tree, Craze, Lost, Wee, Mid, Penny, and Sim; 10 trenches totalling 1 625 metres, covering Craze, Booze, Nug, Bon 1-4, Park 9-12, Base Metal 1, and Roundtop 14.

REFERENCES: Mineral Inventory 93A-60, 90; *Ministry of Mines & Pet. Res.*, GEM, 1972, pp. 333, 334; Exploration in B.C., 1976, pp. E 137, E 138; Assessment Reports 6314, 6545.

QUESNEL 93B

CAN (Fig. E-1, NTS 93, No. 12)

LOCATION: Lat. 52° 55' Long. 122° 11' (93B/16E)
CARIBOO M.D. Twenty-two kilometres east-southeast of Quesnel, on the headwaters of Cantin Creek.

CLAIM: CAN 1 (20 units).

OWNERS: Newconex Canadian Exploration Ltd., Dome Exploration (Canada) Limited, and P. E. Fox.

OPERATORS: NEWCONEX CANADIAN EXPLORATION LTD. and DOME EXPLORATION (CANADA) LIMITED, 808, 525 Seymour Street, Vancouver V6B 3H7.

DESCRIPTION: An aeromagnetic high occurs in an area of extensive overburden thought to be underlain by Upper Triassic/Lower Jurassic rocks of the Quesnel Trough.

WORK DONE: Percussion drilling, five holes totalling 409 metres on Can 1.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 138; Assessment Report 6245.

WHITESAIL LAKE 93E

OX LAKE (Fig. E-1, NTS 93, No. 14)

LOCATION: Lat. 53° 40' Long. 127° 05' (93E/11E)
OMINECA M.D. South of Tahtsa Reach, surrounding a small lake 4.5 kilometres southeast of Huckleberry Mountain.

CLAIMS: OX 1 to 13, 17, 18, 37, 38, 52 to 60, HI 1 to 4, 7 to 9, and 12 Fractions.

OWNERS: Asarco Exploration Company of Canada, Limited and Silver Standard Mines Limited.

1977

(93E/12E)

OPERATOR: ASARCO EXPLORATION COMPANY OF CANADA, LIMITED,
504, 535 Thurlow Street, Vancouver V6E 3L2.

METALS: Copper, molybdenum.

DESCRIPTION: Volcanic and sedimentary rocks of the Hazelton Group are intruded by a small granodiorite porphyry plug. Chalcopyrite and molybdenite occur as disseminations and fracture fillings in hornfelsed rocks enclosing the plug.

WORK DONE: Linecutting, 10.4 kilometres and induced polarization survey, 10 kilometres, covering OX 5, 6, 9-12 and HI 1 and 12 Fractions.

REFERENCES: Mineral Inventory 93E-4; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1969, pp. 93-97; 1971, p. 146; Assessment Report 6505.

TSAH (Fig. E-1, NTS 93, NO. 17)

LOCATION: Lat. 53° 42' Long. 127° 39' (93E/12E)
OMINECA M.D. Between Nanika and Tahtsa Lakes, 3 kilometres south-southwest of Tsa Mountain.

CLAIM: TSAH (9 units).

OWNER: H. H. SHEAR, 1060, 1055 West Hastings Street, Vancouver V6E 2E9.

METAL: Copper.

DESCRIPTION: The property lies on the east flank of the Coast Plutonic Complex near its contact with metavolcanic and sedimentary rocks.

WORK DONE: Three trenches totalling 15 metres.

REFERENCES: Mineral Inventory 93E-54; Assessment Report 2374.

C (Fig. E-1, NTS 93, No. 15)

LOCATION: Lat. 53° 50' Long. 127° 08' (93E/14E)
OMINECA M.D. Approximately 4.5 kilometres south-southwest of the western extremity of Nadina Lake.

CLAIMS: C 1 (units 1 to 4, 13 to 20, 24 to 27), C 2 (units 1 to 4, 13 to 20, 24 to 27), C 3 (units 1 to 4, 13 to 20, 24 to 27), C 4 (units 1 to 4, 13 to 20, 24 to 27).

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

DESCRIPTION: The property is situated within a belt of Jurassic volcanic and sedimentary rocks bordering the Coast Plutonic Complex and intruded by numerous small plutons of Late Cretaceous age. Most of the claim group is underlain by Hazelton Group strata covered by thick deposits of glacial drift. In the southwest claim block and off to the west, outcrops of fine-grained, dark green, andesitic rocks strike north to northeasterly and dip moderately to the west.

WORK DONE: Access road construction, 3 kilometres on C 1 and 2; percussion drilling, five holes totalling 228.6 metres on C 1, two holes totalling 182.8 metres on C 2, one hole totalling 60.9 metres on C 3, and two holes totalling 167.6 metres on C 4.

REFERENCE: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 140 (BA).

1977

(93E/15W)

POPLAR (Fig. E-1, NTS 93, No. 34)

LOCATION: Lat. 54° 01' Long. 126° 59' (93L/2W, 3E; 93E/15W)
Report on this property in 93L/2W.

IAN, JOEY (Fig. E-1, NTS 93, No. 16)

LOCATION: Lat. 53° 58' Long. 126° 52' (93E/15W)
OMINECA M.D. Immediately south and east of the southeast end of Tagetochlain Lake.

CLAIMS: IAN, JOEY, TOM, ROSS, VALI, BLAIN, JACKIE, totalling 289 units.

OWNER: Kenneth A. Gracey.

OPERATOR: DUAL RESOURCES LTD., 5316 Fleming Street, Vancouver.

WORK DONE: 1976 and 1977 — airborne magnetometer survey, 475 kilometres and geochemical survey, 221 soil samples, covering most of the claims.

REFERENCE: Assessment Report 6321.

NECHAKO RIVER 93F

PEM (Fig. E-1, NTS 93, No. 23)

LOCATION: Lat. 53° 11' Long. 124° 51' (93F/2W)
OMINECA M.D. Three kilometres northeast of Mount Davidson, in the Fawnie Range.

CLAIM: PEM (20 units).

OWNER: GRANGES EXPLORATION AKTIEBOLAG, 1060, 1055 West Hastings Street, Vancouver V6E 2E9.

DESCRIPTION: The property is completely covered by overburden. Geochemical surveying has disclosed anomalous values in lead and zinc.

WORK DONE: Pulse electromagnetic survey, 12.5 kilometres, covering Pem.

REFERENCE: Assessment Report 6384.

CAPOOSE (Fig. E-1, NTS 93, No. 22)

LOCATION: Lat. 53° 18' Long. 125° 12' (93F/6E)
OMINECA M.D. Approximately 115 kilometres south of Vanderhoof, on Capoose Creek and Green Lake.

CLAIMS: NED (16 units), A (18 units), B (18 units), C (6 units), D (18 units), E (4 units), F (6 units), G (9 units), H (9 units), I (16 units), J (18 units), K (18 units), L (8 units).

OWNER: GRANGES EXPLORATION AKTIEBOLAG, 1060, 1055 West Hastings Street, Vancouver V6E 2E9.

DESCRIPTION: The west end of the claim block is underlain by the Capoose batholith, the central portion is underlain by Takla and Hazelton rocks, and the

1977

(93F/7E)

east end of the block is underlain by the Ootsa Lake Formation. Anomalous values in copper and molybdenum have been obtained from soil geochemical surveys and by an induced polarization survey within the claim block.

WORK DONE: 1976 — induced polarization survey, 27 kilometres on A and Ned; 1977 — surface geological mapping, 1:2500, covering D, E, and F; geochemical survey, 1300 soil samples analysed for copper, molybdenum, and silver, covering D to I inclusive; and 24 trenches totalling 96.5 metres on D and E.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 141; Assessment Reports 6367, 6458, 6570.

CHU (Fig. E-1, NTS 93, No. 18)

LOCATION: Lat. 53° 21' Long. 124° 33' (93F/7E)
OMINECA M.D. In the Nechako Range, 8 kilometres west of the west end of Chutanli Lake.

CLAIMS: CHU 25 to 36, 41 to 52, AKO 1 (units 1 to 4), NECH (units 1 to 4), NECH 1 (units 1 to 8), NECH 2 (units 1 to 4).

OWNER: ASARCO EXPLORATION COMPANY OF CANADA, LIMITED, 504, 535 Thurlow Street, Vancouver V6E 3L2.

METALS: Molybdenum, copper.

DESCRIPTION: Molybdenite and chalcopyrite, with pyrite and pyrrhotite, occur within a stockwork of quartz veins in hornfelsed siltstones and volcanic rocks (tuffs) of Lower to Middle Jurassic Hazelton Group on the north side of a granodiorite pluton of Late Jurassic and/or Cretaceous age.

WORK DONE: Surface geological mapping, 1:6000, covering Ako 1, Nech, Nech 1, and Nech 2; geochemical survey, 193 soil and five silt samples analysed for copper and molybdenum.

REFERENCES: Mineral Inventory 93F-1; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1970, p. 111.

CABIN (Fig. E-1, NTS 93, No. 21)

LOCATION: Lat. 53° 53' Long. 125° 02' (93F/14E)
OMINECA M.D. Twenty-three kilometres south of Endako, covering the western end of Cabin Lake.

CLAIMS: CABIN, SWAMPY, and SHACK claims plus CB and AM totalling in excess of 100 units.

OWNER: NITHEX EXPLORATION LTD., 904, 675 West Hastings Street, Vancouver.

METALS: Zinc, lead, silver.

DESCRIPTION: Intensely silicified granodiorite occurs within a fine-grained phase of the Topley granodiorite.

WORK DONE: 1976 — surface diamond drilling, six holes totalling 510 metres on Cabin 11 and Shack 8.

REFERENCES: Mineral Inventory 93F-38; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 142; Assessment Reports 5983, 6279.

1977

(93F/15E)

LILY (Fig. E-1, NTS 93, No. 20)

LOCATION: Lat. 53° 25' Long. 124° 34' (93F/15E)
OMINECA M.D. East of Francois Lake, surrounding Lily Lake.

CLAIMS: LILY 1 to 6, LEG 1 to 5.

OWNER: Tyee Lake Resources Ltd.

OPERATOR: CANEX PLACER LIMITED, 800, 1030 West Georgia Street, Vancouver V6E 3A8.

DESCRIPTION: The property is underlain by Lower Jurassic Topley quartz diorites. These rocks are capped in the central part of the property by Tertiary Endako vesicular and amygdaloidal andesite and basalt, flow breccias, tuffs, conglomerates, greywackes, and lignites. No mineralization was noted on the property.

WORK DONE: Surface diamond drilling, totalling 310 metres, on Leg 4 and Lily 1; percussion drilling, totalling 45 metres, on Leg 1 and 2; geophysical surveys, 0.3 kilometre, covering Lily 1 and Leg 1, 2, 4.

PRINCE GEORGE 93G

BURN (Fig. E-1, NTS 93, No. 24)

LOCATION: Lat. 53° 55' Long. 122° 30' (93G/15E)
CARIBOO M.D. Two kilometres east of Taber Lake, 10 kilometres east of Prince George.

CLAIMS: CAT 1 to 4, TAC 1 and 2.

OWNERS: L. Grinde, C. B. O'Brien, and M. Warren.

OPERATOR: C. B. O'BRIEN, 702 Hart Highway, Prince George V2K 2X4.

METALS: Tungsten, molybdenum, bismuth, copper.

DESCRIPTION: Scheelite, powellite, molybdenite, bismuthinite, pyrite, chalcopyrite, pyrrhotite, and sphalerite occur in an assorted variety of rocks including green and grey greywackes, some argillites, conglomerates, quartz, porphyry dykes, and quartz diorite.

WORK DONE: Small amount of surface diamond drilling.

REFERENCES: Mineral Inventory 93G-24; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 120; Assessment Report 6644.

McLEOD LAKE 93J

GISCOME (Fig. E-1, NTS 93, No. 25)

LOCATION: Lat. 54° 04' Long. 122° 19' (93J/1W)
CARIBOO M.D. Three kilometres east of Giscome.

CLAIMS: MG 3 and 5.

OWNER: J. H. GERLITZKI, 1726 West 14th Avenue, Vancouver.

1977

(93K/3E)

METALS: Zinc, lead.

DESCRIPTION: Banded sphalerite and galena occur in skarns formed along a contact between gneiss and marble.

WORK DONE: Linecutting (1.1 kilometres), prospecting, and geochemical survey, covering MG 3 and 5.

REFERENCES: Mineral Inventory 93J-1; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 136; Assessment Reports 322 (Ace), 636, 3043, 4907, 4938 (JHG, Sampson), 5515, 6357.

FORT FRASER 93K

NU, ELK (Fig. E-1, NTS 93, No. 27)

LOCATION: Lat. 54° 03' Long. 125° 09' (93K/3E)
OMINECA M.D. Nine kilometres west-southwest of Endako village.

CLAIMS: NU, ELK, DAT, DIS, etc., totalling 457 claims including 23 mineral leases and one mining lease.

OWNER: CANEX PLACER LIMITED, Endako Mines Division, Endako V0J 1L0.

METAL: Molybdenum.

DESCRIPTION: Quartz monzonite veins and stockwork occur in the Endako quartz monzonite rock unit that is locally kaolinized in varying degrees. Pyrite and magnetite are intimately associated with molybdenite. Pre-mineral aplite, andesite, porphyritic granite, quartz feldspar porphyry, and post-mineral basalt dykes intrude quartz monzonite. Faulting is prevalent over the claim area.

WORK DONE: Percussion drilling, 42 holes totalling 4 002 metres on Nu 3 and 5, Dat 1, 2, 408 to 412 inclusive, Dat 1, 9, and 141 Fractions, and Cora 2; diamond drilling, 25 NQ holes totalling 3 570 metres on NU 1, 3, 5, 6 and Dat 1 and 414 Fractions; road construction, 5.6 kilometres on all the above-mentioned claims.

REFERENCES: Mineral Inventory 93K-8; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 144; Assessment Reports 6519, 6524.

MOLY (Fig. E-1, NTS 93, No. 28)

LOCATION: Lat. 54° 04' Long. 125° 10' (93K/3E)
OMINECA M.D. Ten kilometres west of Endako village.

CLAIM: MOLY (12 units).

OWNER: Gene Huck.

OPERATORS: GENE HUCK and GLEN HUCK, Box 545, Vanderhoof, and GAIL M. TOMPSON and WILLARD TOMPSON, Box 395, Smithers.

WORK DONE: Geochemical survey, 175 samples analysed for molybdenum, covering Moly.

REFERENCE: Assessment Report 6463.

1977

(93K/3E)

GEM (Fig. E-1, NTS 93, No. 29)

LOCATION: Lat. $54^{\circ} 05.5'$ Long. $125^{\circ} 10'$ (93K/3E)
OMINECA M.D. Approximately 9.5 kilometres west of Endako village.

CLAIM: ANY 1 (8 units).

OWNER: STAN BROOKS, Box 345, Telkwa V0J 2X0.

METAL: Molybdenum.

DESCRIPTION: Pyrite with minor associated molybdenite occurs in a shear zone in Endako quartz monzonite.

WORK DONE: Linecutting, 18.2 kilometres, on Any 1.

REFERENCES: Mineral Inventory 93K-16; *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 143; Assessment Reports 3466 (Ann), 6266.

HANSON LAKE (Fig. E-1, NTS 93, No. 26)

LOCATION: Lat. $54^{\circ} 14'$ Long. $125^{\circ} 05'$ (93K/3E)
OMINECA M.D. Along the southern shore of Hanson Lake, 23 kilometres north-northwest of the community of Fraser Lake.

CLAIMS: ENDEX 1 (4 units), ENDEX 2 (15 units), ENDEX 3 (6 units), ENDEX 4 (7 units), ENDEX 5 (14 units), ENDEX 6 (2 units), ENDEX 7 (12 units), ENDEX 8 (6 units), ENDEX 9 (2 units).

OWNER: CANEX PLACER LIMITED, Endako Mines Division, Endako V0J 1L0.

METALS: Molybdenum, copper.

DESCRIPTION: Thin quartz-pyrite-molybdenite veinlets, with intermittent minor chalcopyrite, occur in a weakly kaolinized and locally sericitized porphyritic quartz monzonite stock. The mineralization extends into older quartz diorite gneiss that borders part of an intrusive stock. Narrow andesite and granitic dykes intrude both rock units.

WORK DONE: Surface diamond drilling, six BQ holes totalling 375 metres.

REFERENCE: Mineral Inventory 93K-81.

SMITHERS 93L

SAM GOOSLY (Fig. E-1, NTS 93, No. 30)

LOCATION: Lat. $54^{\circ} 12'$ Long. $126^{\circ} 16'$ (93L/1W)
OMINECA M.D. Forty kilometres southeast of Houston, 6.5 kilometres east of Goosly Lake.

CLAIMS: SG 1 to 52, 54, 56, 61 to 64, 66, SG 1 to 5 Fractions, TAN 1 to 7, T 1 to 41, 46 to 53, 66 to 199, 202 to 295, NET 1 to 3 Fractions, REV 1 to 15, GAUL 1 to 20.

OWNER: EQUITY MINING CORPORATION, 908, 1111 West Hastings Street, Vancouver V6E 2J3.

METALS: Silver, copper, gold.

1977

(93L/2E)

- DESCRIPTION:** Apparently stratabound volcanogenic massive tetrahedrite and chalcopyrite occur in pyroclastic rocks, of probable Hazelton age, which are overlain by Miocene and younger intrusive rocks.
- WORK DONE:** Geological mapping, 1:1200, covering parts of SG 15, 35, 37; gravity survey, 5.6 kilometres, covering SG 45-48; trenching, 500 metres by backhoe, on SG 48; surface diamond drilling, 32 NQ holes totalling 2 000 metres, on SG 28.
- REFERENCES:** Mineral Inventory 93L-1; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 138.

SILVER QUEEN (NADINA) (Fig. E-1, NTS 93, No. 33)

- LOCATION:** Lat. 54° 05' Long. 126° 44' (93L/2E)
OMINECA M.D. Thirty-six kilometres south of Houston, 1.5 kilometres east of Owen Lake.
- CLAIMS:** TIP TOP 1, COLE 1, SILVER 1 to 7, NAD 8, plus 17 Crown-granted claims, Lots 7399 to 7404, 7540 to 7545, and 6547 to 6551.
- OWNERS:** Canex Placer Limited and Nadina Explorations Limited.
- OPERATOR:** NEW FRONTIER EXPLORATION INC., 711, 475 Howe Street, Vancouver V6C 2B3.
- METALS:** Silver, zinc, lead, copper, gold, cadmium.
- DESCRIPTION:** Polymetallic veins occur in an assemblage of dacites to rhyolites, mainly pyroclastic, of proximal vent facies. Exploration was concentrated near known vents and areas of diatreme dyking.
- WORK DONE:** Surface diamond drilling, four BQ holes totalling 1 407 metres on Lot 7403 and Silver 4.
- REFERENCES:** Mineral Inventory 93L-2; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, p. 256; Assessment Report 6456.

IRK (Fig. E-1, NTS 93, No. 31)

- LOCATION:** Lat. 54° 12' Long. 126° 38' (93L/2E)
OMINECA M.D. Twenty-four kilometres south of Houston, 1 kilometre north of Parrott Creek.
- CLAIMS:** IRK I (2 units), IRK II (1 unit), IRK III (1 unit), IRK IV (6 units), IRK V (4 units).
- OWNER:** ASARCO EXPLORATION COMPANY OF CANADA, LIMITED, 504, 535 Thurlow Street, Vancouver V6E 3L2.
- DESCRIPTION:** No mineralized outcrop occurs on the property.
- WORK DONE:** Geochemical survey, 353 soil and 6 silt samples analysed for copper, lead, zinc, and silver, covering Irk IV and V.
- REFERENCES:** *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 145; Assessment Reports 6283, 6477.

DUAL (Fig. E-1, NTS 93, No. 32)

LOCATION: Lat. 54° 00' Long. 126° 49' (93L/2W; 93E/15W)
 OMINECA M.D. Forty-five kilometres south-southwest of Houston, on the east side of Duck and Tagetochlain (Poplar) Lakes.

CLAIMS: DILYS (20 units), ASPEN (20 units), PETER (16 units), MIKE (16 units), JOE (16 units), MARY-C (15 units), MARY-O (20 units), MARY-R (20 units), SHEILA (8 units), DUCK (20 units), DUAL (18 units).

OWNER: DUAL RESOURCES LTD., 5316 Fleming Street, Vancouver V5E 3E9.

METALS: Copper, molybdenum.

DESCRIPTION: Mineralization on the property is mainly pyrite, chalcopyrite, and molybdenite occurring as fracture fillings and disseminations within Hazelton argillites.

WORK DONE: Surface geological mapping, covering Duck and Sheila; electromagnetic survey, 16.6 kilometres, covering Mary-O; magnetometer survey, 40.7 kilometres, covering Mary-C; geochemical survey, 253 soil samples, covering Mary-R, Joe, Mike, Peter, Aspen, Dilys, and Dual.

REFERENCES: Mineral Inventory 93E-94; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 145.

POPLAR (Fig. E-1, NTS 93, No. 34)

LOCATION: Lat. 54° 01' Long. 126° 59' (93L/2W, 3E; 93E/15W)
 OMINECA M.D. Forty-eight kilometres south-southwest of Houston, on the north side of Tagetochlain (Poplar) Lake.

CLAIMS: POPLAR 1 to 20, 33, 35, 37, 48 to 97, POPLAR 1 and 2 Fractions, DON 1 to 15, 26 to 36, 45 to 54, PINE 1 to 22, LAKE 1 to 36, DAVE 1, 2, 4, and 5 Fractions, TAG 1 to 16, 23 to 42, 195 to 212, TAG 1 and 2 Fractions, HILL 15 to 18, WAR 1 (4 units).

OWNER: The National Trust Company Limited.

OPERATOR: UTAH MINES LIMITED, 1600, 1050 West Pender Street, Vancouver V6E 3S7.

METALS: Copper, molybdenum.

DESCRIPTION: A Tertiary (?) biotite porphyry plug intrudes Cretaceous (?) granodiorite and Hazelton sedimentary rocks. Well-developed hydrothermal alteration facies are concentric to the biotite porphyry and include potassic, phyllic, argillic, and propylitic zones. Abundant disseminated and fracture-controlled pyrite surrounds an inner zone of pyrite and minor chalcopyrite. Molybdenite occurs in closely spaced fractures and as fine disseminations.

WORK DONE: Surface diamond drilling, six NQ holes totalling 998 metres, on Poplar 3, 13, 70, Poplar 1 Fraction, and Pine 13; road construction, approximately 1.7 kilometres, on Poplar 3, 7, 13, 70, 80, 82, 83, Poplar 1 Fraction, and Pine 11.

REFERENCES: Mineral Inventory 93L-239; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 145, E 146.

1977

(93L/2W)

RED (Fig. E-1, NTS 93, No. 35)

LOCATION: Lat. $54^{\circ} 10'$ Long. $126^{\circ} 58'$ (93L/2W)
OMINECA M.D. Thirty-three kilometres southwest of Houston, on Code Creek about 4 kilometres south of Morice River.

CLAIMS: RED I (16 units), RED II (9 units).

OWNER: VITAL MINES LTD., 3000 Royal Centre, Vancouver V6E 3R3.

DESCRIPTION: Induced polarization surveys followed by some drilling have so far failed to discover any economic mineralization in bedrock.

WORK DONE: Electromagnetic survey (vertical loop), 7.2 kilometres, covering Red I; drilling, two holes totalling 122 metres each, on Red I.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 147; Assessment Report 6320.

HAGAS (Fig. E-1, NTS 93, No. 37)

LOCATION: Lat. $54^{\circ} 09'$ Long. $127^{\circ} 02'$ (93L/3E)
OMINECA M.D. Ten kilometres west of Tsalit Mountain, 35 kilometres south of the Morice River.

CLAIMS: HAGAS 1, 3 to 6, HAGAS 76 (4 units), HAGAS 77 (4 units), HAGAS 78 (18 units), HEM (12 units).

OWNER: J. McAndrew.

OPERATOR: AQUITAINE COMPANY OF CANADA LTD., 540 Fifth Avenue SW., Calgary, Alta. T2P 0M4.

METALS: Zinc, copper.

DESCRIPTION: The property is underlain by brown and green andesite, andesitic pyroclastic rocks, and minor dacite and rhyolite flows of the Hazelton Group. Some minor conglomerate and sandstone were intersected in drill holes. Zinc and copper mineralization is associated with fracturing in the Hazelton volcanic rocks. Two electromagnetic conductors were drilled off with negative results. One was associated with a silver, arsenic, and mercury geochemical anomaly.

WORK DONE: Surface geological mapping, 1:25 000, covering all claims; ground electromagnetic survey, 10 kilometres, covering Hagas 16, Hagas 76, and Hem; surface diamond drilling, two BQ holes totalling 308.8 metres, on Hagas 16 and Hem.

REFERENCES: Mineral Inventory 93L-221; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, p. 339; Assessment Report 6233.

JAY (Fig. E-1, NTS 93, No. 36)

LOCATION: Lat. $54^{\circ} 10'$ Long. $127^{\circ} 00.5'$ (93L/3E)
OMINECA M.D. Six kilometres east-southeast of the confluence of Lamprey Creek and the Morice River.

CLAIM: JAY (20 units).

OWNER: VITAL MINES LTD., 3000 Royal Centre, Vancouver V6E 3R3.

1977

(93L/7W)

WORK DONE: Linecutting; geochemical survey, 451 soil samples analysed for copper, lead, zinc, and silver; and induced polarization survey, 7.2 kilometres, covering Jay (16 units).

REFERENCE: Assessment Report 6554.

MORICE MOUNTAIN (Fig. E-1, NTS 93, No. 38)

LOCATION: Lat. 54° 17' Long. 126° 49' (93L/7W)

OMINECA M.D. Seventeen kilometres southwest of Houston, on the northwest slope of Mount Morice.

CLAIMS: RAIN 1 (2 units), RAIN 2 (2 units), RAIN 3 (3 units), RAIN 4 (3 units), RAIN 5 (1 unit), RAIN 6 (1 unit), RAIN 7 (6 units), RAIN 8 (6 units), RAIN 9 (14 units), RAIN 10 (5 units).

OWNER: John Bot.

OPERATOR: CITIES SERVICE MINERALS CORPORATION, 405, 1200 West Pender Street, Vancouver.

METAL: Copper.

DESCRIPTION: Chalcopyrite occurs in andesite tuff and breccia and in porphyritic granodiorite stocks and dykes.

WORK DONE: Linecutting, 11.2 kilometres and induced polarization, 14.2 kilometres, covering Rain 3, 4, 7-9; geochemical survey, 494 soil samples analysed for copper, molybdenum, zinc, and silver and detailed geological mapping, 1:2500, covering all claims; surface diamond drilling, five BQ holes totalling 431 metres, on Rain 7 and 8.

REFERENCES: Mineral Inventory 93L-6; *Minister of Mines, B.C.*, Ann. Rept., 1931, p. 74; Assessment Report 6311.

GOLD BRICK (Fig. E-1, NTS 93, No. 44)

LOCATION: Lat. 54° 18' Long. 126° 37' (93L/7E)

OMINECA M.D. At the junction of Bob Creek and Buck River, 12 kilometres south-southeast of Houston.

CLAIMS: NEW BUCK (20 units), LORNE (8 units), GODFREY (15 units), NABOB (12 units), FOG (1 unit), CLOUD (3 units).

OWNER: MID MOUNTAIN MINING LTD., 506, 540 Burrard Street, Vancouver.

METALS: Gold, zinc, silver, copper, lead.

DESCRIPTION: Pyrite, sphalerite, chalcopyrite, and galena, with silver and gold, occur in lenses, as fracture fillings, and as coarse aggregates of disseminated grains within a matrix of volcanic rocks and breccias.

WORK DONE: Surface geological mapping, 1:2400; geochemical survey, 250 soil samples analysed for gold, silver, lead, zinc, and copper; linecutting, 18 kilometres; and induced polarization survey, 18 kilometres, covering New Buck and Lorne.

REFERENCES: Mineral Inventory 93L-9; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 353; Assessment Reports 6304, 6484.

1977

(93L/7E)

CUP (Fig. E-1, NTS 93, No. 39)

LOCATION: Lat. 54° 27' Long. 126° 39' (93L/7E)
OMINECA M.D. On Mount Harry Davis, 7 kilometres north of Houston.

CLAIM: HILLTOP (4 units).

OWNER: W. MOLL, Box 144, Houston.

METALS: Copper, lead, zinc.

DESCRIPTION: Sphalerite, galena, pyrite, and chalcopyrite occur in acid fragmentals and flows of the Hazelton Group.

WORK DONE: Geochemical prospecting and assaying, 38 soil samples analysed for copper, lead, zinc, silver, cadmium, and molybdenum and 10 samples assayed for copper, lead, zinc, cadmium, silver, and gold.

REFERENCES: Mineral Inventory 93L-208; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 108; *Geol. Surv., Canada*, Map 278A, 1933.

APEX (Fig. E-1, NTS 93, No. 41)

LOCATION: Lat. 54° 26' Long. 126° 26' (93L/8W)
OMINECA M.D. Fourteen kilometres east-northeast of Houston, 3.5 kilometres northeast of Aiken Lake.

CLAIMS: APEX 21 and 22, APEX 75 (4 units), APEX 76 (6 units), APEX 77 (9 units), APEX 78 (6 units).

OWNERS: John M. McAndrew and Marie-Paule F. McAndrew.

OPERATOR: CONWEST EXPLORATION COMPANY LIMITED, 1010, 85 Richmond Street West, Toronto, Ontario M5H 2G1.

METALS: Copper, zinc, silver.

DESCRIPTION: A sequence of intermediate to felsic volcanic rocks and pelitic sedimentary rocks is intruded by K-feldspar-altered intrusive rocks of Mid Cretaceous age. Mineralization includes pyrite, chalcopyrite, chalcocite, bornite, malachite, azurite, magnetite, barite, galena, and sphalerite in several different locales.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 46 rock samples assayed for copper and zinc; induced polarization survey, 24.7 kilometres; and magnetometer survey, 26.3 kilometres, covering all claims.

REFERENCES: Mineral Inventory 93L-245 to 247; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, p. 259; Assessment Report 6427.

BORNITE (Fig. E-1, NTS 93, No. 40)

LOCATION: Lat. 54° 30' Long. 126° 25' (93L/8W, 9W)
OMINECA M.D. Four kilometres south of the community of Perow, 1.5 kilometres west-northwest of Gilmore Lake.

CLAIM: BAR 1 (12 units).

OWNER: W. D. Yorke-Hardy.

1977

(93L/9E)

OPERATOR: SUMMIT PETROLEUM CORP., 1130, 700 West Georgia Street, Vancouver.

METALS: Copper, silver, lead, zinc.

DESCRIPTION: Chalcopyrite, bornite, and tetrahedrite, with some galena and sphalerite, occur mainly as fragment rims and disseminations in a matrix of a very strongly silicified andesitic or rhyolitic pyroclastic rock. Minor barite in veins was noted.

WORK DONE: Prospecting and surface geological mapping, 1:2400, covering Bar 1.

REFERENCE: Assessment Report 6495.

LIB (Fig. E-1, NTS 93, No. 42)

LOCATION: Lat. 54° 43' Long. 126° 10' (93L/9E)
OMINECA M.D. Nine kilometres south of Topley Landing.

CLAIMS: LIB 1 (6 units), LIB 2 (6 units).

OWNER: L. COTE, RR 2, Smithers.

WORK DONE: Geochemical survey, 37 soil samples analysed for copper and molybdenum on Lib 2 and 24 soil samples analysed for heavy minerals on Lib 1; three trenches totalling 45 metres on Lib 1.

SUMMIT (Fig. E-1, NTS 93, No. 46)

LOCATION: Lat. 54° 43' Long. 126° 45' (93L/10)
OMINECA M.D. Nineteen kilometres east of Telkwa, at Burbridge Lake.

CLAIMS: SUMMIT 1 to 4, 7, 8, HB 1 to 4 Fractions, HB 4, 6, 21 to 23, CS 1 to 19, DON 1.

OPERATOR: ASARCO EXPLORATION COMPANY OF CANADA, LIMITED, 504, 535 Thurlow Street, Vancouver V6E 3L2.

METALS: Copper, molybdenum.

DESCRIPTION: A dioritic sill, 150 metres by 1 500 metres, intrudes rhyolitic to andesitic tuffs and flows of the Jurassic Telkwa Formation. A zone of pervasive argillic and phyllic alteration, associated with intense stock-work fracturing and veining, occurs in the upper part of the sill. Within this zone is an area containing finely disseminated chalcopyrite on fracture coatings of molybdenite.

WORK DONE: Surface diamond drilling, six BQ holes totalling 650 metres on HB 21 and Summit 2, 7.

REFERENCES: Mineral Inventory 93L-223; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 150; Assessment Report 6386.

MINERAL HILL (HUBER) (Fig. E-1, NTS 93, No. 47)

LOCATION: Lat. 54° 31' Long. 126° 43.5' (93L/10E)
OMINECA M.D. Fourteen kilometres north-northwest of Houston, mainly northwest of Fishpan Lake.

CLAIMS: MINERAL HILL (16 units), MINERAL HILL A (2 units), MINERAL HILL B (2 units).

1977

(93L/10E)

OWNER: GRANBY MINING CORPORATION, Box 2519, Smithers V0J 2N0.
METALS: Molybdenum, copper, (silver, lead, zinc).
DESCRIPTION: Molybdenite occurs, with minor amounts of copper, silver, lead, and zinc, within a small granitic intrusion and within the adjacent hornfelsed volcanic and sedimentary rocks. A strong quartz stockwork, in brecciated hornfels, occurs to the north and northwest of the intrusion.
WORK DONE: Linecutting, 14.5 kilometres, on Mineral Hill.
REFERENCES: Mineral Inventory 93L-27, 28; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 149.

CASSIAR CROWN (Fig. E-1, NTS 93, No. 45)

LOCATION: Lat. 54° 34' Long. 126° 44' (93L/10E)
OMINECA M.D. Eighteen kilometres north-northwest of Houston, immediately north of Coppermine Lake.
CLAIM: GM (12 units).
OWNER: CANADIAN SUPERIOR EXPLORATION LIMITED, 2201, 1177 West Hastings Street, Vancouver.
METALS: Copper, zinc, silver.
DESCRIPTION: Interbedded andesite and greywacke, with minor shale and andesite breccia, are cut by veins containing sphalerite and chalcopyrite.
WORK DONE: Geochemical survey, 256 soil samples analysed for copper, zinc, and silver, covering GM.
REFERENCES: Mineral Inventory 93L-26; *Minister of Mines, B.C.*, Ann. Rept., 1951, pp. 113-117; 1965, p. 75; Assessment Report 6429.

FED (Fig. E-1, NTS 93, No. 48)

LOCATION: Lat. 54° 44' Long. 126° 32' (93L/10E)
OMINECA M.D. Eight kilometres northeast of Deception Lake, north of Federal Creek.
CLAIM: FED (4 units).
OWNER: Asarco Exploration Company of Canada, Limited.
OPERATOR: ASARCO INCORPORATED, 504, 535 Thurlow Street, Vancouver.
WORK DONE: 1976 — geochemical survey, 96 soil and 4 rock samples, covering Fed.
REFERENCE: Assessment Report 6284.

SK (Fig. E-1, NTS 93, No. 54)

LOCATION: Lat. 54° 44' Long. 126° 44' (93L/10E)
OMINECA M.D. Thirty-two kilometres east of Smithers, on the eastern flank of Dome Mountain.
CLAIM: MONA (20 units).
OWNER: PAUL PLICKA, 419 Burton Avenue, Richmond.

1977

(93L/13E)

METALS: Gold, silver, lead, zinc, (copper).
DESCRIPTION: Pyrite, sphalerite, and galena occur in quartz veins.
WORK DONE: 1976 — five trenches totalling 67 cubic metres; 1977 — prospecting, covering Mona.
REFERENCES: Mineral Inventory 93L-23; Assessment Reports 6194, 6619.

LOU (Fig. E-1, NTS 93, No. 51)

LOCATION: Lat. 54° 51' Long. 127° 41' (93L/13E)
OMINECA M.D. Thirty-four kilometres west of Smithers, surrounding Louise Lake.
CLAIM: LOUISE LAKE (4 units).
OWNER: GRANBY MINING CORPORATION, Box 2519, Smithers.
METALS: Copper, molybdenum.
DESCRIPTION: A sequence of sedimentary units (mainly conglomerate) and tuffs, interlayered with dacite (sills?), has undergone strong argillic alteration, and a semi-circular quartz-pyrite stockwork has developed. Low-grade copper mineralization (with traces of molybdenum) is present. Copper minerals are seldom visible in hand specimens, but chalcopyrite and chalcocite have been identified.
WORK DONE: Test pitting.
REFERENCES: Mineral Inventory 93L-79; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 151.

VICTORY (Fig. E-1, NTS 93, No. 49)

LOCATION: Lat. 54° 48' Long. 127° 22' (93L/14W)
OMINECA M.D. Three and one-half kilometres north of Aldrich Lake, on the north side of Sloan Creek.
CLAIMS: VICTORY, TRIUMPH, TORRENT, SAFETY, STANDARD.
OWNER: F. D. Simpson.
OPERATOR: GARY DUMFORD, Box 3192, Smithers V0J 2N0.
METALS: Silver, lead.
DESCRIPTION: Mineralization consists of sulphide replacements and fissure fillings along shear zones.
WORK DONE: Trenching, 34 cubic metres; open cuts, 22 square metres.
REFERENCES: Mineral Inventory 93L-93; *Minister of Mines, B.C.*, Ann. Rept., 1950, p. 100.

GLACIER GULCH (YORKE-HARDY) (Fig. E-1, NTS 93, No. 55)

LOCATION: Lat. 54° 49' Long. 127° 18' (93L/14W)
OMINECA M.D. In Glacier Gulch, on Hudson Bay Mountain.
CLAIMS: Mineral Leases M-8, M-81 to M-85 plus 146 located claims including D, E, F, H, JAY, K, LIZ, M, R, S, T, EXTENSION, and Y.

1977

(93L/14W)

OWNER: CLIMAX MOLYBDENUM CORPORATION OF BRITISH COLUMBIA LIMITED, Box 696, Smithers.

METALS: Molybdenum, (tungsten).

DESCRIPTION: Molybdenite, scheelite-powellite, wolframite, and chalcopyrite occur in quartz vein sheetings and stockworks cutting Hazelton volcanic rocks and younger intrusions.

WORK DONE: Miscellaneous road repairs; road construction, 172.36 metres on Jay 1 and 3; drilling, extending holes 76-S1 and 76-S2 to 182 metres and 69.2 metres respectively, on Jay 4 and 19.

REFERENCES: Mineral Inventory 93L-107 to 110; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 143; Assessment Report 6480.

SILVER LAKE (Fig. E-1, NTS 93, No. 50)

LOCATION: Lat. 54° 49' Long. 127° 22' (93L/14W)
OMINECA M.D. On the north slope of Hudson Bay Mountain, 11 kilometres northwest of Smithers.

CLAIMS: SILVER LAKE NO. 1 (Lot 7239), SILVER LAKE NO. 2 (Lot 7240), BEE (Lot 7241), CU (Lot 7242), A FR. (Lot 7244), SILVER LAKE NO. 3 (Lot 7246), MAMMOTH (Lot 7249), BUTTE (Lot 7250), JOSIE (Lot 7251), LIMITED (Lot 7252), LAST CHANCE (Lot 7255), IRON MASK (Lot 5750), IRON VAULT (Lot 5754), VAN ANDA (Lot 5756).

OWNER: Dorita Silver Ltd.

OPERATOR: BARRIERE EXPLORATIONS LTD., Box 172, New Hazelton.

METALS: Silver, lead, zinc.

DESCRIPTION: Sulphides frequently replace limestone facies in metamorphosed sedimentary rocks. Also, veins and fissure fillings occur in igneous and metamorphic rocks.

WORK DONE: Repairing access road, 6 kilometres; bridge repair.

REFERENCES: Mineral Inventory 93L-230; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 86.

BIG ONION (Fig. E-1, NTS 93, No. 53)

LOCATION: Lat. 54° 47' Long. 126° 54' (93L/15W)
OMINECA M.D. Eighteen kilometres east of Smithers, on Astlais Mountain.

CLAIMS: JA, JB, JC, JD, JE, JF, JG, JH, GA, GB, GC, GD, GE, GF, GG, GH, GK, RED 1, and RED 2 (totalling approximately 250 units).

OWNER: CANADIAN SUPERIOR EXPLORATION LIMITED, 2201, 1177 West Hastings Street, Vancouver.

METALS: Copper, molybdenum.

DESCRIPTION: Two highly altered dyke-like masses of quartz diorite porphyry are enveloped by a quartz feldspar porphyry cutting Jurassic Hazelton andesites. Chalcopyrite, bornite, chalcocite, and molybdenite are associated with pyrite.

1977

(93L/15W)

WORK DONE: Reconnaissance geological mapping, covering Red 2; geological mapping, 1:15 800; geochemical survey, 137 rock samples; linecutting, 110.6 kilometres; and induced polarization survey, 97.6 kilometres, covering most of the claims.

REFERENCES: Mineral Inventory 93L-124; *B.C. Ministry of Mines & Pet. Res.*, Geology in B.C., 1975, p. G 66; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 152, Assessment Reports 2752, 2753, 5576, 5966, 6088, 6089, 6363, 6364, 6423, 6425.

NATIVE (Fig. E-1, NTS 93, No. 65)

LOCATION: Lat. 54° 53' Long. 126° 48' (93L/15W)
OMINECA M.D. Three kilometres southeast of Mount Hyland, between Little Joe Creek and Higgins Creek.

CLAIM: ARROW B (1 unit).

OWNER: J. M. HUTTER, RR 1, Telkwa V0J 2X0.

METALS: Silver, lead, zinc.

DESCRIPTION: Veins and stringers occur in argillite and along the contact between argillite and a rhyolite dyke.

WORK DONE: Two trenches totalling 15 metres, on Arrow B.

REFERENCE: Mineral Inventory 93L-249.

RAINBOW (Fig. E-1, NTS 93, No. 67)

LOCATION: Lat. 54° 53' Long. 126° 57.5' (93L/15W)
OMINECA M.D. Three kilometres due south of Lagopus Mountain, on the eastern side of Driftwood Creek.

CLAIMS: ANNIE D (Lot 3674), DRIFTWOOD CREEK (Lot 6779), PL 1, DC (20 units), SUMMER, WINTER.

OWNERS: L. B. Warren and P. J. Huber.

OPERATOR: PETRA GEM EXPLORATIONS LTD., 200, 3540 West 41st Avenue, Vancouver V6N 3E6.

METALS: Copper, silver, gold.

DESCRIPTION: Chalcopyrite, bornite, and tetrahedrite, with minor galena, sphalerite, and barite, occur in a quartz-siderite gangue in altered Hazelton Group andesitic tuffs and breccias.

WORK DONE: Surface geological mapping and geochemical survey, 300 soil samples, covering PL 1 and Annie D.

REFERENCES: Mineral Inventory 93L-132; Assessment Report 6610.

SAT (Fig. E-1, NTS 93, No. 56)

LOCATION: Lat. 54° 53' Long. 126° 25' (93L/16W)
OMINECA M.D. Forty-eight kilometres northeast of Smithers, 4 kilometres north of the west end of Fulton Lake.

CLAIMS: BRO 10, 13 to 16, 19 to 22, 26 to 29, 31 to 34, 37 to 39.

1977

(93L/16E, 9E)

OWNER: CITIES SERVICE MINERALS CORPORATION, 405, 1200 West Pender Street, Vancouver V6E 2S9.
METAL: Copper.
DESCRIPTION: Chalcopyrite and pyrite occur in quartz vein stockworks cutting Hazelton Group andesite tuffs and Eocene biotite feldspar porphyry dykes.
WORK DONE: Magnetometer survey, 40 kilometres and induced polarization survey, 6.4 kilometres, covering all claims.
REFERENCES: Mineral Inventory 93L-224; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 145; Assessment Reports 5620, 6424.

TACHI (Fig. E-1, NTS 93, No. 43)

LOCATION: Lat. 54° 45' Long. 126° 12' (93L/16E, 9E)
OMINECA M.D. Seven kilometres south-southwest of Topley Landing, along the Topley-Babine Lake road.
CLAIM: NON 1 (16 units).
OWNER: P. OGRYZLO, Box 22, Topley Landing, Granisle SS1.
METALS: Copper, molybdenum.
DESCRIPTION: Chalcopyrite and molybdenite occur as fracture fillings in quartz monzonite and related intrusive rocks of the Topley intrusions.
WORK DONE: Prospecting and surface geological mapping, 1:10 000, covering Non 1.
REFERENCES: Mineral Inventory 93L-144; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1969, pp. 115-117; 1973, p. 350.

HAZELTON 93M

AMERICAN BOY (Fig. E-1, NTS 93, No. 13)

LOCATION: Lat. 55° 19' Long. 127° 33' (93M/5E)
OMINECA M.D. On the southwest slope of Nine Mile Mountain, 10 kilometres northeast of Hazelton.
CLAIMS: JANELLE (4 units), CINDY LOU (2 units).
OWNER: A. Homenuke.
OPERATORS: S. HOMENUKE and CAN-EX RESOURCES LTD., 213, 475 Howe Street, Vancouver.
METALS: Silver, gold, lead, zinc, copper.
DESCRIPTION: Gold-arsenic and lead-zinc-copper-silver-gold occur in quartz veins in Bowser sedimentary rocks.
WORK DONE: Ten trenches, 100 metres length by 1.5 metres average depth, on Janelle and Cindy Lou; sampling on Cindy Lou.
REFERENCES: Mineral Inventory 93M-47; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1970, p. 173.

1977

(93M/6E)

MG (Fig. E-1, NTS 93, No. 57)

LOCATION: Lat. 55° 16' Long. 127° 10' (93M/6E)
OMINECA M.D. On the south bank of the Suskwa River, approximately 24 kilometres east of New Hazelton.

CLAIM: MAX (6 units).

OWNER: John Young.

OPERATOR: DONEGEL DEVELOPMENTS LTD., 705, 850 West Hastings Street, Vancouver.

METALS: Lead, zinc, silver, antimony, cadmium, gold.

DESCRIPTION: Veins containing sphalerite, galena, jamesonite, and pyrite in a gangue of quartz and siderite occur in Bowser sedimentary rocks near an intrusive diorite contact.

WORK DONE: Surface geological mapping, 1:2400 and sampling, covering Max.

REFERENCES: Mineral Inventory 93M-27; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1970, p. 174; Assessment Reports 2495, 6431.

MANSON RIVER 93N

JW, JEAN (Fig. E-1, NTS 93, No. 58)

LOCATION: Lat. 55° 06' Long. 124° 53' (93N/2W)
OMINECA M.D. Twelve kilometres south of Tchentlo Lake, at the headwaters of Jean Marie Creek.

CLAIMS: JW and JEAN, totalling 226.

OWNER: NBC Syndicate.

OPERATORS: COMINCO LTD., DUVAL CORPORATION OF CANADA, CHEVRON STANDARD LIMITED, and GRANBY MINING CORPORATION, c/o 2200, 200 Granville Square, Vancouver V6C 2R2.

METALS: Copper, molybdenum.

DESCRIPTION: Massive Takla volcanic rocks are intruded by a Middle Jurassic granodiorite-diorite stock, believed to be a zoned body having an acid core and an intermediate border phase. Copper and molybdenum occur in three zones on the property. Pyrite, chalcopyrite, bornite, and molybdenite occur in fractures and in quartz veins in the volcanic rocks and the granodiorite.

WORK DONE: Induced polarization and resistivity survey, 44.5 kilometres; ground magnetometer survey, 50.8 kilometres; and linecutting, 38.4 kilometres, covering JW claims.

REFERENCES: Mineral Inventory 93N-79, 83; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 150; Assessment Report 6332.

1977

(93N/9W)

GLO (Fig. E-1, NTS 93, No. 59)

LOCATION: Lat. 55° 40' Long. 124° 28' (93N/9W)
OMINECA M.D. Two kilometres southeast of Manson Creek post office.

CLAIMS: JOY, JOY 1, JOY 2, JOY 3 (1 unit each).

OWNER: NEAL SCAFE, General Delivery, Germansen Landing VQJ 1T0.

METALS: Copper, gold, tungsten, lead, silver, zinc.

DESCRIPTION: Scheelite veins, ranging in size from 0.2 centimetres to 7.5 centimetres in width and from a few centimetres to 3 metres in length; occur in silicified limestone. Scheelite also occurs in quartz veins with minor amounts of sphalerite and galena. One vein of quartz is approximately 18 metres in length and averages approximately 18 centimetres wide.

WORK DONE: Four side hill cuts, 135 metres total length and one trench, 30 metres in length, covering all claims; 680 kilograms of tungsten ore prepared for shipment, from Joy.

REFERENCES: Mineral Inventory 93N-30; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1970, p. 182.

LONNIE (Fig. E-1, NTS 93, No. 60)

LOCATION: Lat. 55° 41' Long. 124° 23' (93N/9W)
OMINECA M.D. On the southeast side of Granite Creek, approximately 2 kilometres northeast of the junction of Granite Creek and Manson Creek.

CLAIMS: LONNIE (1 unit), PITCH (1 unit).

OWNER: C. S. POWNEY, Box 189, Fort Fraser.

METALS: Niobium, zirconium, uranium.

DESCRIPTION: Disseminated pyrochlore and zirconium occur in a carbonatite dyke.

WORK DONE: Trenching, 2.5 cubic metres, on Pitch; trail cutting, 3.2 kilometres, on Lonnie.

REFERENCES: Mineral Inventory 93N-12; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1970, p. 181.

SMOKE (Fig. E-1, NTS 93, No. 61)

LOCATION: Lat. 55° 35' Long. 125° 19' (93N/11W)
OMINECA M.D. Seven kilometres north of the junction of Kwanika and West Kwanika Creeks.

CLAIMS: SMOKE 35 to 37, 43.

OWNER: ANGLO BOMARC MINES LTD., 301, 580 Granville Street, Vancouver V6E 2K3.

METALS: Uranium, copper, molybdenum.

DESCRIPTION: Uranite occurs in quartz stringers. Minor chalcopryrite and molybdenite occur in fractures.

WORK DONE: Five trenches totalling 26 metres, on Smoke 36 and 37.

REFERENCE: Mineral Inventory 93N-175.

1977

(93N/12W)

BODINE (Fig. E-1, NTS 93, No. 63)

LOCATION: Lat. 55° 37' Long. 125° 49' (93N/12W)
OMINECA M.D. On the north slope of Mount Bodine, 17 kilometres northeast of Takla Landing.

CLAIMS: RUTH 1 (9 units), RUTH 2 (9 units), RUTH 3 (18 units), RUTH 4 (18 units).

OWNER: McINTYRE MINES LIMITED, 1003, 409 Granville Street, Vancouver V6C 1T2.

METALS: Copper, zinc, silver.

DESCRIPTION:

The claims are largely underlain by rocks of the Sitlika assemblage, possibly Mesozoic in age, and to a lesser extent by serpentinites and limy argillites of the Permian Cache Creek Group. The Sitlika rocks, consisting essentially of andesitic to dacitic tuffs and fragmentals with minor rhyolite and basalt, have been regionally metamorphosed to the greenschist stage characterized by a persistent steeply dipping, northwest-trending schistosity. The assemblage, bounded by major thrust faults, has been intensely fractured and also blockfaulted by numerous northeast-trending breaks of considerable throw. Mineralization, consisting essentially of small amounts of chalcopyrite and pyrite with a little quartz and minor sphalerite, pyrrhotite, and chalcocite, occurs in a schistose rhyolitic to dacitic pyritized lapilli tuff in one small area within Ruth 3 claim. Significance and extent of mineralization are not known.

WORK DONE: Airborne magnetometer and electromagnetic survey, 43 560 hectares flown in overall survey and preliminary geological mapping, 1:16 000, covering all claims; trenching, three trenches 1 metre by approximately 0.5 metre and seven trenches totalling 12.2 metres; geochemical survey, 38 rock and 6 stream samples analysed for copper, zinc, and silver; and assaying, 5 samples for copper, zinc, gold, and silver, covering Ruth 3.

REFERENCES: Mineral Inventory 93N-179; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 151; Assessment Report 6578.

VERNON (Fig. E-1, NTS 93, No. 66)

LOCATION: Lat. 55° 56.5' Long. 124° 46' (93N/15W)
OMINECA M.D. Seventeen kilometres north-northwest of Germansen Landing, 5 kilometres northeast of the north end of Nina Lake.

CLAIMS: JEMIMA 1 to 7, 17 to 20, 22.

OWNER: Stan Porayko.

OPERATOR: C.A. AGER & ASSOCIATES, 15423 - 34th Avenue, Surrey.

METALS: Lead, zinc, (barite).

DESCRIPTION: Limestone is replaced by sphalerite and galena with minor quartz, calcite and occasional barite, all accompanied by dolomitization.

WORK DONE: Gravity survey, 6.5 kilometres, covering Jemima 3 and 4.

REFERENCES: Mineral Inventory 93N-10; *Minister of Mines, B.C.*, Ann. Rept. 1952, pp. 99, 100, 106-109; 1967, p. 119; Assessment Report 6597.

1977

(93N/15E)

JACKFISH (Fig. E-1, NTS 93, No. 62)

LOCATION: Lat. $55^{\circ} 46'$ Long. $124^{\circ} 35'$ (93N/15E)
OMINECA M.D. On both sides of Jackfish Creek, 8 kilometres due east of Germansen Landing.

CLAIMS: JACKFISH 1 to 6 (totalling 110 units).

OWNER: IMPERIAL OIL LIMITED, 314, 1281 West Georgia Street, Vancouver.

DESCRIPTION: The claims are underlain by shales, siltstones, and minor limestone beds of probable Cache Creek age. No mineralization has been located.

WORK DONE: Surface geological mapping, 1:2400; linecutting, 14.9 kilometres; electromagnetic survey, 14.9 kilometres; magnetometer survey, 14.9 kilometres; and geochemical survey, 400 soil samples analysed for zinc, lead, copper, and silver.

PINE PASS 930

FALCON (Fig. E-1, NTS 93, No. 64)

LOCATION: Lat. $55^{\circ} 42'$ Long. $123^{\circ} 20'$ (93O/11W)
OMINECA M.D. Eight kilometres northeast of the junction of Six Mile Creek and Williston Lake.

CLAIMS: FALCON 1 to 8.

OWNER: WELCOME NORTH MINES LTD., 1027, 470 Granville Street, Vancouver V6C 1V5.

METAL: Iron.

DESCRIPTION: Stratabound, fine-grained magnetite and hematite occur in altered sedimentary rocks which vary from soft and sheared to hard and cherty.

WORK DONE: 1976 — surface geological mapping, 1:4000; ground magnetometer survey, 3 kilometres; and metallurgical testing, 18-kilogram sample, on Falcon 1.

REFERENCES: Mineral Inventory 930-16; Assessment Report 6280.

WEST – CENTRAL BRITISH COLUMBIA
(NTS Division 103)

GRAHAM ISLAND 103F and parts of G, J, and K

ONE (Fig. E-1, NTS 103, No. 13)

LOCATION: Lat. 53° 10' Long. 131° 47' (103F/4W)
SKEENA M.D. On Moresby Island, 0.5 kilometre northwest of Copper Bay.

CLAIM: ONE (9 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.

DESCRIPTION: Yakoun agglomerate is overlain by Honna conglomerate in the northern two-thirds of claim. A small intrusion of pyritic rhyolite of probably Masset age also occurs.

WORK DONE: Reconnaissance geological mapping (along creeks); geochemical survey, approximately 210 soil samples analysed for mercury, copper, lead, and gold, covering One.

STIB, ANT (Fig. E-1, NTS 103, No. 12)

LOCATION: Lat. 53° 22' Long. 132° 24' (103F/8W)
SKEENA M.D. On Graham Island, covering the headwaters of Riley Creek.

CLAIMS: STIB (9 units), ANT (9 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.

DESCRIPTION: Yakoun andesites (agglomerates) are in fault contact with argillites and limestone (possibly Kunga age) and are intruded by porphyritic rhyolite of Masset age.

WORK DONE: Reconnaissance geological mapping, covering both claims; geochemical survey, approximately 90 soil samples analysed for gold, covering southern half of Ant and eastern half of Stib.

TWO (Fig. E-1, NTS 103, No. 10)

LOCATION: Lat. 53° 22' Long. 132° 11' (103F/8E)
SKEENA M.D. On Graham Island, 6 kilometres northwest of Skowkona Mountain.

CLAIM: TWO (15 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.

DESCRIPTION: Argillites of probable Kunga age are intruded and overlain by andesites and diorites of Yakoun age. Small sills of rhyolite (possibly Masset age) occur.

WORK DONE: Reconnaissance geological mapping (along roads); geochemical survey, 230 soil samples analysed for mercury, copper, and zinc, covering Two.

1977

(103F/8E)

SEVEN (Fig. E-1, NTS 103, No. 11)

LOCATION: Lat. $53^{\circ} 27'$ Long. $132^{\circ} 14'$ (103F/8E)
SKEENA M.D. On Graham Island, covering the headwaters of Canyon Creek.

CLAIMS: SEVEN (15 units), SEVEN SOUTH (2 units), SEVEN WEST (8 units), FIVE (12 units), FIVE WEST (4 units), DUB (2 units), SEVEN EAST (2 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.

DESCRIPTION: Some outcrops of Yakoun agglomerate and Masset porphyritic rhyolite.

WORK DONE: Reconnaissance geological mapping; geochemical survey, approximately 320 soil samples analysed for mercury, copper, zinc, and gold, covering Five, Seven, Seven South, and Five West.

BABE (Fig. E-1, NTS 103, No. 1)

LOCATION: Lat. $53^{\circ} 32'$ Long. $132^{\circ} 13'$ (103F/9E)
SKEENA M.D. Northwest of the Yakoun River, 18 kilometres southerly from Port Clement.

CLAIMS: BABE 1 to 32, RIC 1 to 12, RIC 20 to 26 Fractions.

OWNER: Efrem Specogna.

OPERATOR: CONSOLIDATED CINOLA MINES LTD., 307, 850 West Hastings Street, Vancouver.

METALS: Gold, silver.

DESCRIPTION: Gold and silver occur in a quartz vein in a hydrothermal alteration zone in Masset volcanic rocks along the Sandspit fault.

WORK DONE: Surface diamond drilling, 13 BQ holes totalling 677.9 metres, on Babe 7 and 10.

REFERENCES: Mineral Inventory 103F-G-34; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 172; *B.C. Ministry of Mines & Pet. Res.*, Geological Fieldwork, 1975, pp. 71-75.

DOUGLAS CHANNEL 103H and part of 103G

BANK, WALLER (Fig. E-1, NTS 103, No. 3)

LOCATION: Lat. $53^{\circ} 21'$ Long. $130^{\circ} 09'$ (103G/8E)
SKEENA M.D. West coast of Banks Island, 2 kilometres northeast of Foul Bay.

CLAIMS: BOB, TEL, KIM, HELPER (totalling 98 units).

OWNERS: Hecate Gold Corporation and Wesfrob Mines Limited.

OPERATOR: HECATE GOLD CORPORATION, 333, 850 Dunsmuir Street, Vancouver.

1977

(103G/9E)

DESCRIPTION: Auriferous and argentiferous pyrite, arsenopyrite, galena, sphalerite, and pyrrhotite occur as fracture fillings and replacements at the contact between granodiorite and sedimentary rocks.

WORK DONE: Exploratory adit, approximately 45 metres.

REFERENCES: Mineral Inventory 103H-G, 9, 38; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 162.

GREAT WEST (Fig. E-1, NTS 103, No. 2)

LOCATION: Lat. 53° 34' Long. 130° 16' (103G/9E)
SKEENA M.D. On the northeast coast of Banks Island, at Marble Bay.

CLAIM: EDD (6 units).

OWNER: P. E. PAGE, 10941 - 90th Avenue, Edmonton, Alta.

METALS: Molybdenum, (copper).

DESCRIPTION: Chalcopyrite, molybdenite, and bornite occur as disseminations and as fracture fillings in the contact zone between marble and granitic intrusive rocks.

WORK DONE: Prospecting; surface geological mapping; and trenching, 10 to 15 cubic metres, on Edd.

REFERENCES: Mineral Inventory 103H-G-6; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 498.

PRINCE RUPERT 103I and part of 103J

JEANETTE (Fig. E-1, NTS 103, No. 5)

LOCATION: Lat. 54° 10' Long. 128° 44' (103I/2E)
SKEENA M.D. On the north side of Dahl Creek, 7 kilometres west-southwest of Iron Mountain.

CLAIM: CD 1 (9 units).

OWNER: CONWEST EXPLORATION COMPANY LIMITED, 1010, 85 Richmond Street West, Toronto, Ontario M5H 2G1.

METAL: Copper.

DESCRIPTION: Copper mineralization is reported at 4 per cent over 15 metres, locally occurring within a sequence of volcanic and sedimentary rocks close to the contact with the Coast Range batholith.

WORK DONE: Electromagnetic survey, 2 kilometres; induced polarization survey, 2 kilometres; geochemical survey, 42 soil and 5 silt samples analysed for copper, zinc, and silver; and surface diamond drilling, two BQ holes totalling 123 metres and 50 metres, on CD 1.

REFERENCES: Mineral Inventory 103I-169; *George Cross Newsletter*, Feb. 5, 1974, p. 3; Assessment Report 6629.

ANNETTE (Fig. E-1, NTS 103, No. 4)

LOCATION: Lat. $54^{\circ} 34'$ Long. $128^{\circ} 17'$ (103I/9W)
 OMINECA M.D. Twenty-two kilometres east-northeast of Terrace, on Kleanza Creek.

CLAIMS: ANNETTE 1 to 8.

OWNER: JOHN ISIMA, Box 1525, Banff, Alta.

METAL: Titanium.

DESCRIPTION: Titanium, as anatase and rutile, occurs in bands and underlying fractured bedrock.

WORK DONE: Geochemical survey, 200 soil samples analysed for gold and titanium, covering Annette 1-4.

REFERENCES: Mineral Inventory 103I-J-176; *B.C. Ministry of Mines & Pet. Res.*, 1976, p. E 163; Assessment Report 6533.

EDYE PASS, SURF POINT (Fig. E-1, NTS 103, No. 6)

LOCATION: Lat. $54^{\circ} 02'$ Long. $130^{\circ} 35'$ (103J/2E)
 SKEENA M.D. North side of Porcher Island, 2 kilometres southwest of Useless Point.

CLAIMS: EDYE PASS (4 units), TRIXIE (Lot 6515), WESTERN HOPE (Lot 6516), PIRATE (Lot 6953), REWARD (Lot 6955), JEANIE (Lot 7191), NABOB (Lot 7192), TIPPY, TOBY 1 and 2, KERRY.

OWNER: Porcher Island Gold Mines Ltd.

OPERATOR: CAROLIN MINES LTD., 850 West Hastings Street, Vancouver.

METALS: Gold, silver, copper.

DESCRIPTION: The auriferous ore zones are steeply dipping, pyrite-quartz fissure veins in fault zones in quartz diorite.

WORK DONE: 1976 — geological survey and sampling of Eyde Pass and Surf Point underground workings, 1:600; surface reconnaissance geological mapping; geochemical survey, 60 soil samples; transit and chain survey of underground workings; and self-potential survey, 0.8 metres, covering Trixie, Western Hope, Jeanie, and Nabob.

REFERENCES: Mineral Inventory 103I-J-1, 2; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, pp. E 176, E 177; Assessment Report 6195.

NASS RIVER 103P and part of 103O**RIDGE (Fig. E-1, NTS 103, No. 7)**

LOCATION: Lat. $55^{\circ} 10'$ Long. $129^{\circ} 16'$ (103P/3W)
 SKEENA M.D. Immediately south of Indian Reserve 29, 25 kilometres northeast of Greenville.

CLAIM: RIDGE 1 (1 unit).

OWNER: H. V. SMITH, Box 137, Terrace.

METAL: Molybdenum.

DESCRIPTION: Pyrite and molybdenite occur in a stock of Alice Arm intrusive rock. The stock is surrounded by relatively unmineralized Coast Range granodiorite and some slates and hornfels of the Bowser Group. Molybdenite occurs disseminated, in quartz stringers, and in shears and fractures.

WORK DONE: Linecutting, 2 kilometres, covering Ridge 1.

REFERENCES: Mineral Inventory 103P-O-231; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 164 (Valley); Assessment Report 6604.

MOLY (BELL MOLY) (Fig. E-1, NTS 103, No. 9)

LOCATION: Lat. 55° 28' Long. 129° 20' (103P/6W)
SKEENA M.D. On Clary Creek, 10 kilometres east-southeast of the community of Alice Arm.

CLAIMS: R 1 (9 units), R 2 (9 units), R 3 (4 units), R 4 (6 units), R 5 (9 units), G 1 (4 units), G 2 (3 units), G 3 (4 units), G 4 (3 units), G 5 (6 units), G 8 (12 units), G 9 (4 units), FUBAR 1 (6 units), FUBAR 2 (9 units), FUBAR 3 (3 units), FUBAR 4 (6 units).

OWNER: CLIMAX MOLYBDENUM CORPORATION OF BRITISH COLUMBIA LIMITED, Box 696, Smithers.

METALS: Molybdenum, tungsten.

DESCRIPTION: The property is underlain by sedimentary rocks of the Bowser Group, intruded by small granitic bodies, one of which outcrops. The sedimentary rocks surrounding the intrusive rocks are transformed to hornfels (biotite). Quartz monzonite intrusive rocks contain quartz-molybdenite-scheelite vein stockworks. All rocks are cut by black lamprophyre dykes which usually parallel the dominant northeasterly structural trend. Much of the area is capped by Quaternary lava flows.

WORK DONE: Surface diamond drilling, five BQ holes totalling 1 727 metres on R 4, three BQ holes totalling 802 metres on R 1, and one BQ hole totalling 154 metres on R 2.

REFERENCES: Mineral Inventory 103P-O-234; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 165; *B.C. Ministry of Mines & Pet. Res.*, Geological Fieldwork, 1977, p. 69; Assessment Reports 6403, 6447.

JACK (Fig. E-1, NTS 103, No. 8)

LOCATION: Lat. 55° 57' Long. 129° 44' (103P/13E)
SKEENA M.D. Fifteen kilometres east-northeast of Stewart, on the northeasterly side of Bromley Glacier.

CLAIMS: JACK 1 to 16.

OWNER: ZENORE RESOURCES INC., 1700, 777 Hornby Street, Vancouver.

METAL: Molybdenum.

DESCRIPTION: Molybdenite occurs in and at the contact of quartz monzonite porphyry.

WORK DONE: Surface geological mapping, 1:4800, and 119 samples taken, covering all claims.

REFERENCES: Mineral Inventory 103P-O-259; Assessment Report 6580.

NORTHEAST BRITISH COLUMBIA
(NTS Division 94)

HALFWAY RIVER 94B

POCO (Fig. E-1, NTS 94, No. 1)

LOCATION: Lat. 56° 12' Long. 123° 23' (94B/3W)
LIARD M.D. Four kilometres north of Mount Burden, near the headwaters of the West Nabesche River.

CLAIMS: POCO 27 to 36, KATH 1 to 20, MAUR 1 to 16, MIKE 1 to 10 and POCO A (12 units), POCO B (9 units), POCO C (4 units).

OPERATOR: BRITISH NEWFOUNDLAND EXPLORATION LIMITED, 704, 602 West Hastings Street, Vancouver V6B 1P2.

METALS: Zinc, lead.

DESCRIPTION: Sphalerite and galena occur in carbonate rocks of the basal Pine Point Formation. Mineralization is associated with an unconformity between the Pine Point and Stone Formations and is accompanied by dolomitization and coarse crystalline white sparry dolomite.

WORK DONE: Surface geological mapping, 1:10 000, covering Poco 28-36, Kath 1-20, and Poco A, B, C; detailed geological mapping, 1:5 000, covering Poco A, B, C; geochemical surveys, 320 soil samples analysed for lead, zinc, and cadmium and 91 stream silt and rock chip samples analysed for lead, zinc, and cadmium, covering Poco B, Kath 15-20.

REFERENCES: Mineral Inventory 94B-7, 8; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 168; Assessment Report 6552.

WL (Fig. E-1, NTS 94, No. 2)

LOCATION: Lat. 56° 14' Long. 123° 36' (94B/4E, 5E)
OMINECA M.D. Twenty-six kilometres north of Peace River, on the east side of Wicked River, 8.5 kilometres east-northeast of Pattinson Peak.

CLAIMS: WICK 1 and 2 (totalling 20 units).

OWNER: AQUITAINE COMPANY OF CANADA LTD., 540 Fifth Avenue SW., Calgary, Alta. T2P 0M4.

METAL: Zinc.

DESCRIPTION: Smithsonite occurs along fractures and bedding surfaces and as breccia cement in Dunedin limestone and dolomite.

WORK DONE: Surface geological mapping, 1:50 000 and 1:10 000 and geochemical survey, 396 soil samples analysed for copper, zinc, and lead, covering Wick 1 and 2; two trenches totalling 5 metres on Wick 1.

REFERENCES: Mineral Inventory 94B-17; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, p. 288; Assessment Reports 4141, 5246, 6542.

FORT GRAHAME 94C

ANGIE (Fig. E-1, NTS 94, No. 5)

LOCATION: Lat. 56° 03' Long. 124° 49' (94C/2W)
OMINECA M.D. Nine kilometres due south of End Lake, south of the Osilinka River.

CLAIM: ANGIE (20 units).

OWNER: BISHOP MINES LTD., 502, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The property is underlain by (Devonian ?) carbonates in contact with argillite.

WORK DONE: Geochemical survey, 248 soil samples, covering Angie.

REFERENCE: Assessment Report 6584.

ELIZABETH, MOLLY, GWYNN (Fig. E-1, NTS 94, No. 4)

LOCATION: Lat. 56° 08' Long. 124° 55' (94C/2W)
OMINECA M.D. One and one-half kilometres south of the Osilinka River, 2 kilometres due east of End Lake.

CLAIMS: ALFIE 1 to 4 (totalling 61 units).

OWNER: CANEX PLACER LIMITED, 700, 1030 West Georgia Street, Vancouver V6E 3A8.

METALS: Lead, zinc, barite.

DESCRIPTION: Sphalerite and barite, with minor galena, occur as disseminations and in irregular patches replacing limestone.

WORK DONE: Linecutting, 77.5 kilometres and geochemical survey, 2 816 soil samples analysed for lead and zinc, covering Alfie 1, 3, 4.

REFERENCES: Mineral Inventory 94C-30 to 33; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 168; Assessment Report 6485.

WASI (Fig. E-1, NTS 94, No. 7)

LOCATION: Lat. 56° 03' Long. 125° 04' (94C/3E)
OMINECA M.D. Five kilometres due south of Wasi Lake (Wasi 4 and 5); and immediately west (Wasi 3) and north (Wasi 1 and 2) of Wasi Lake.

CLAIMS: WASI 1 to 5 (totalling 66 units).

OWNER: IMPERIAL OIL LIMITED, 314, 1281 West Georgia Street, Vancouver.

DESCRIPTION: The claims are underlain by siliceous and intermediate volcanic and volcanoclastic rocks and shales and cherts believed to be Cache Creek (Permo-Carboniferous) in age.

WORK DONE: Surface geological mapping, 1:2400; linecutting, 16 kilometres; electro-magnetic survey, 16 kilometres; and geochemical survey, 500 soil samples analysed for lead, zinc, copper, and silver, covering Wasi 1-5; magnetic survey, 4.8 kilometres, covering Wasi 1, 5.

BEVELEY (Fig. E-1, NTS 94, No. 6)

LOCATION: Lat. 56° 10' Long. 125° 03' (94C/3E)
 OMINECA M.D. Five kilometres east-northeast of the junction of Tenakihi Creek and the Oslinka River.

CLAIMS: CARIE 1 to 31, GAEL 4 to 11, CAROL 1 (20 units), CAROL 2 (20 units), CARA 1 (9 units), CARA 2 (4 units), CARA 3 (20 units), CARA 4 (20 units), CARA 5 (3 units), CARA 6 (2 units), CARA 7 (4 units), KRIKER (12 units).

OWNERS: Susie Gold Mines Ltd. and Ralph Hall.

OPERATOR: SUSIE GOLD MINES LTD., 502, 409 Granville Street, Vancouver V6C 1T2.

METALS: Silver, lead, zinc.

DESCRIPTION: Galena and sphalerite (with some silver) occur in a dolomite breccia near contacts with rusty slates and shales.

WORK DONE: Gravity and induced polarization survey, 110 kilometres and electromagnetic survey, 9 kilometres, covering Gael 4-11, Cara 1-3, 5-7, Carol 1, 2, and Carie 1-10, 12, 14-20; winkie drilling, 547.5 metres on Carol 2 and Carie claims; NQ drilling, 420 metres on Gael, Carol 2, and Carie.

REFERENCES: Mineral Inventory 94C-23; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 169; Assessment Report 6618.

BETTY (Fig. E-1, NTS 94, No. 8)

LOCATION: Lat. 56° 03' Long. 125° 22' (94C/3W)
 OMINECA M.D. Three kilometres northeast of the Haha Creek-Oslinka River confluence.

CLAIMS: CAT 1 (14 units), CAT 2 (14 units).

OWNER: BP MINERALS LIMITED, 405, 1199 West Pender Street, Vancouver V6E 2R1.

METALS: Copper, gold.

DESCRIPTION: Takla Group volcanic agglomerates have been intruded by syenomonzonitic high-level porphyries. Sulphide and oxide mineralization occurs as veins and fracture fillings in the volcanic host rocks.

WORK DONE: Surface diamond drilling, two BQ holes totalling 315 metres on Cat 1 (unit 3).

REFERENCES: Mineral Inventory 94C-69; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 158; Assessment Reports 5897, 6516.

VEGA, DAVE (Fig. E-1, NTS 94, No. 9)

LOCATION: Lat. 56° 08' Long. 125° 20' (94C/3W)
 OMINECA M.D. From 3 kilometres west of Uslika Lake to 9 kilometres north-northwest of Uslika Lake.

CLAIMS: BEG 1 to 76, 89 to 91, 100, BEG 104 (9 units).

OWNER: BP MINERALS LIMITED, 405, 1199 West Pender Street, Vancouver V6E 2R1.

1977

(94C/5E)

METALS: Copper, gold.

DESCRIPTION: Takla Group volcanic rocks have been intruded by Upper Triassic/Lower Jurassic syenomonzonitic high-level porphyries. Sulphide mineralization, dominantly pyrite with minor amounts of chalcopryrite and bornite, occurs as fracture fillings and disseminations in host rock volcanic breccias and as disseminations in porphyry dykes.

WORK DONE: Overburden drilling, 102 drill locations, and 112 samples analysed for copper, covering Beg 23-30, 41-48, 99, and Beg 104.

REFERENCES: Mineral Inventory 94C-21, 43, 76; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 169, E 170; Assessment Reports 6120, 6401.

JUPITER, POLARIS (Fig. E-1, NTS 94, No. 10)

LOCATION: Lat. 56° 28' Long. 125° 44' (94C/5E)
OMINECA M.D. Three kilometres north of Aiken Lake, straddling Lay Creek and two of its southerly flowing tributaries.

CLAIMS: SUE (12 units), SARA EAST (16 units), SARA WEST (20 units), ROXANNE (14 units).

OWNER: SUSIE GOLD MINES LTD., 502, 409 Granville Street, Vancouver V6C 1T2.

METALS: Copper, zinc, molybdenum, silver, gold.

DESCRIPTION: Irregular bodies of quartz monzonite intrusions have caused intense deformation and faulting in the area. Some intrusions are mineralized with the copper-molybdenum mineralization. As well, sphalerite, tetrahedrite, galena, and chalcopryrite occur in a brecciated zone at the contact between Takla volcanic and pre-Takla rocks.

WORK DONE: Electromagnetic and magnetometer surveys, 17 kilometres each, covering Sara East.

REFERENCES: Mineral Inventory 94C-12, 13; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 170; Assessment Report 6607.

McCONNELL CREEK 94D

MARS (Fig. E-1, NTS 94, No. 13)

LOCATION: Lat. 56° 03' Long. 126° 15' (94D/1W)
OMINECA M.D. In the Cariboo Heart Range, 6 kilometres due east of the south end of Nanitsch Lake.

CLAIMS: MARS (1 unit).

OWNER: Mrs. Mona Miller-Tait.

OPERATOR: ROBERT M. TAIT, 1214 Eastview Road, North Vancouver.

METALS: Copper, (silver).

DESCRIPTION: Chalcocite veins and disseminated bornite and chalcocite are associated with shearing in porphyritic basalt.

WORK DONE: Four trenches totalling 25 metres, on Mars.

REFERENCE: Mineral Inventory 94D-110.

1977

(94D/2W)

SPUR (Fig. E-1, NTS 94, No. 11)

LOCATION: Lat. 56° 02' Long. 126° 49' (94D/2W)
OMINECA M.D. Four kilometres west of the south end of Bear Lake.

CLAIMS: SPUR 1 to 16, CHARLIE (16 units).

OWNER: CANADIAN NICKEL COMPANY LIMITED, 709, 1075 Melville Street, Vancouver V6E 2W4.

METALS: Copper, (silver).

DESCRIPTION: Copper mineralization, with minor silver values, is hosted by fractured zones within Takla/Hazelton rocks.

WORK DONE: Surface diamond drilling, five BQ holes totalling 724 metres, on Spur 4.

REFERENCES: Mineral Inventory 94D-103; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, pp. E 159, E 160.

MOTASE A (Fig. E-1, NTS 94, No. 12)

LOCATION: Lat. 56° 14' Long. 127° 18' (94D/3W)
OMINECA M.D. Twenty-eight kilometres west-northwest of Motase Lake, 8 kilometres west-southwest of the main fork of Squingula River.

CLAIMS: CON 1 to 32, IN 1 to 30, 62 to 66.

OWNER: Canadian Superior Exploration Limited.

OPERATOR: CITIES SERVICE MINERALS CORPORATION, 405, 1200 West Pender Street, Vancouver V6E 2S9.

METALS: Copper, molybdenum.

DESCRIPTION: Chalcopyrite, with minor molybdenite, occurs in quartz vein stockworks cutting feldspar porphyry dykes and hornfelsed argillite.

WORK DONE: Surface diamond drilling, two BQ holes totalling 436.8 metres, on In 4.

REFERENCES: Mineral Inventory 94D-61; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 172, E 173; Assessment Report 6482.

SOUP (Fig. E-1, NTS 94, No. 14)

LOCATION: Lat. 56° 28' Long. 126° 04' (94D/8E)
OMINECA M.D. Nineteen kilometres west of Aiken Lake, on the east side of the valley containing Kliyul (Miller) Creek.

CLAIMS: SOUP 1 to 10.

OWNER: E. U. White.

OPERATOR: BP MINERALS LIMITED, 405, 1199 West Pender Street, Vancouver V6E 2R1.

METALS: Copper, gold.

DESCRIPTION: Two iron-rich horizons within Takla Group volcanic rocks carry minor amounts of copper and gold mineralization.

WORK DONE: Geochemical survey, 210 rock chip samples analysed for copper, lead, zinc, gold, nickel, and molybdenum, covering Soup 1-6, 9, 10.

REFERENCES: Mineral Inventory 94D-105; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 173; Assessment Report 6410.

1977

(94D/9E)

NIK (Fig. E-1, NTS 94, No. 15)

LOCATION: Lat. $56^{\circ} 40'$ Long. $126^{\circ} 09'$ (94D/9E)
OMINECA M.D. Seven kilometres northeast of Johanson Lake.

CLAIMS: NIK 1 to 9 (totalling 120 units).

OWNER: BP MINERALS LIMITED, 405, 1199 West Pender Street, Vancouver V6E 2R1.

METALS: Copper, nickel, molybdenum.

DESCRIPTION: Takla Group volcanic rocks have been intruded by the Wrede Range ultramafic complex which in turn has been intruded by dioritic phases. Sulphide mineralization occurs as fracture fillings in Takla and ultramafic host rocks and as disseminations and fracture fillings within the dioritic phases.

WORK DONE: Road construction, 11.2 kilometres (property access) and 2.5 kilometres (drill site access), covering NIK 1-3, 6; induced polarization and resistivity survey, 25 kilometres, covering Nik 3, 6-8; geochemical survey, 300 soil and seepage samples, covering Nik 1, 3, 7; linecutting, 30 kilometres, covering Nik 3, 6-8; overburden drilling, 23 locations (analysed for copper, molybdenum, and nickel); percussion drilling, 80 holes totalling 3 000 metres, on Nik 2, 3; diamond drilling, three BQ holes totalling 700 metres on Nik 2.

REFERENCES: Mineral Inventory 94D-109; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 174; Assessment Report 6452.

SHRED (Fig. E-1, NTS 94, No. 16)

LOCATION: Lat. $56^{\circ} 43'$ Long. $126^{\circ} 16'$ (94D/9W)
OMINECA M.D. In the Ingenika Range, 10 kilometres south of Fleet Peak.

CLAIMS: SHRED 1 to 4 (totalling 72 units).

OWNER: BP MINERALS LIMITED, 405, 1199 West Pender Street, Vancouver V6E 2R1.

METALS: Copper, molybdenum, nickel.

DESCRIPTION: Takla Group volcanic rocks have been intruded by dioritic phases and quartz monzonite plugs as well as by several small ultramafic bodies. Sulphide mineralization occurs as fracture fillings in varied volcanic host rocks and as fracture fillings and disseminations in intrusive phases.

WORK DONE: Overburden drilling, 47 drill sites (59 samples analysed for copper, molybdenum, and nickel), on Shred 3; induced polarization survey, 10.9 kilometres; geochemical survey, 110 silt samples and 981 soil samples; topographic mapping; and linecutting, covering all claims.

REFERENCES: Mineral Inventory 94D-111; Assessment Report 6369.

1977

(94D/16W)

BIRD (Fig. E-1, NTS 94, No. 17)

LOCATION: Lat. 56° 46' Long. 126° 20' (94D/16W)
OMINECA M.D. Nineteen kilometres north-northwest of Johanson Lake.

CLAIMS: BIRD 1, 2, 4, 6, 8, 9 to 33, 35 to 44.

OWNER: BP MINERALS LIMITED, 405, 1199 West Pender Street, Vancouver V6E 2R1.

METALS: Copper, molybdenum.

DESCRIPTION: Takla Group volcanic rocks have been intruded by an elongate quartz feldspar-diorite porphyry. Sulphide mineralization occurs as fracture fillings and in varied volcanic host rocks and as disseminations and fracture fillings plus quartz veins in porphyry.

WORK DONE: Overburden drilling, 62 drill sites (66 samples analysed for copper and molybdenum), covering Bird 6, 8, 10, 12, 14, 18-26.

REFERENCES: Mineral Inventory 94D-101; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 162.

TOODOGGONE RIVER 94E

RAT (Fig. E-1, NTS 94, No. 18)

LOCATION: Lat. 57° 02' Long. 126° 46' (94E/2W)
OMINECA M.D. One kilometre south of Duncan Lake, east of the Finlay River.

CLAIMS: RAT 6 to 10, 15, 17, 19, DL 1 to 8.

OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver V6C 2R2.

METALS: Copper, molybdenum.

DESCRIPTION: Copper and molybdenite mineralization is hosted in a dominantly dioritic intrusion; mineralizing dykes of monzonite and coarse quartz feldspar porphyry also contain sulphides. All sulphides, including pyrite, occur on fractures and as disseminations. Alteration phases are quartz, calcite, epidote, and kaolinite.

WORK DONE: Surface diamond drilling, four BQ holes totalling 436 metres, on Rat 6, 8, 10.

REFERENCES: Mineral Inventory 94E-25; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, p. 310; Assessment Report 6411.

CHAPPELLE (Fig. E-1, NTS 94, No. 19)

LOCATION: Lat. 57° 17' Long. 127° 07' (94E/6E)
OMINECA M.D. Thirty kilometres northwest of Thutade Lake.

CLAIMS: CHAPPELLE, totalling approximately 150.

OWNER: Kennco Explorations, (Western) Limited.

OPERATOR: DU PONT OF CANADA EXPLORATION LIMITED, 102, 1550 Alberni Street, Vancouver V6G 1A5.

1977

(94E/13E)

METALS: Gold, silver.
DESCRIPTION: Electrum and argentite occur in a northwest-trending quartz vein, averaging 3 metres in width, which cuts volcanic rocks of the Takla Group.
WORK DONE: Feasibility study.
REFERENCES: Mineral Inventory 94E-26; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p.p. E 175, E 176.

BANSHEE (Fig. E-1, NTS 94, No. 20)

LOCATION: Lat. 57° 56' Long. 127° 41' (94E/13E)
LIARD M.D. In the Stikine Ranges, 24 kilometres north-northwest of Mount Albert Dease.
CLAIMS: BANSHEE 195 (12 units); WEREWOLF 196 (3 units), MINOTAUR 197 (10 units).
OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver V6C 2R2.
METALS: Zinc, lead, copper.
DESCRIPTION: Areas of disseminated pyrite, with minor sphalerite, galena, and chalcopyrite, occur in acid volcanic rocks.
WORK DONE: Induced polarization survey, 4.4 kilometres; magnetic survey, 7.7 kilometres; and electromagnetic survey, 2.7 kilometres, covering Banshee.
REFERENCES: Mineral Inventory 94E-56; Assessment Report 6409.

TRUTCH 94G

TOLL (BERTHA) (Fig. E-1, NTS 94, No. 21)

LOCATION: Lat. 57° 08' Long. 123° 45' (94G/4)
LIARD M.D. Ten kilometres east-northeast of Mount McCusker, east of Bartle and Embree Creeks.
CLAIMS: TOLL 18 to 29, 34, 36, 38, 40, 42, 44, 46, BRIN A (6 units), BRIN B (6 units).
OWNER: British Newfoundland Exploration Limited.
OPERATOR: CORDILLERAN ENGINEERING LIMITED, 1418, 355 Burrard Street, Vancouver V6C 2G8.
METALS: Zinc, lead.
DESCRIPTION: Stone dolostone is enclosed by Dunedin dolostone and Besa River shale. Dolostone breccia is healed by white sparry dolomite carrying reddish brown sphalerite.
WORK DONE: Surface geological mapping, 1:10 000 and geochemical survey, 230 rock chip samples, 294 soil samples, and 100 stream samples analysed for lead, zinc, and cadmium, covering all claims; surface diamond

1977

(94K/4W)

drilling, 10 BQ holes totalling 1 475.8 metres on Brin A, Toll 22, 24, 26, 36, 38, 40, 42.

REFERENCES: Mineral Inventory 94G-15; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 168; Assessment Report 6445.

TUCHODI LAKES 94K

DPP (Fig. E-1, NTS 94, No. 22)

LOCATION: Lat. 58° 05' Long. 125° 52' (94K/4W)
LIARD M.D. South of the Gataga River, near the easterly headwaters of Driftpile Creek.

CLAIMS: DPP 1 (18 units), DPP 2 (16 units), DPP 3 (20 units), DPP 4 (18 units), DPP 5 (16 units), DPP 6 (16 units), DPP 7 (8 units).

OWNER: Texasgulf Canada Ltd.

OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver.

METALS: Zinc, lead, copper.

DESCRIPTION: Small sphalerite, galena, chalcopyrite, and malachite occurrences occur in brecciated limestone.

WORK DONE: Geochemical survey, 233 soil samples and 38 stream sediment samples analysed for lead, zinc, and copper, covering all claims.

REFERENCE: Mineral Inventory 94K-67.

DAVIS, CHURCHILL, LADY LUCK (Fig. E-1, NTS 94, No. 23)

LOCATION: Lat. 58° 27' Long. 125° 23' (94K/6E)
On Churchill Creek, 15 kilometres north of Churchill Peak (Jed 1 and 3).

Lat. 58° 22' Long. 125° 09' (94K/6W)
On Delano Creek, 6 kilometres northwest of Mount Roosevelt (Jed 2).

CLAIMS: JED 1 (16 units), JED 3 (16 units); Jed 2 (12 units).

OWNER: J. E. Irwin.

OPERATOR: A. CAYWOOD, 3350 Beach Drive, Victoria.

METAL: Copper.

DESCRIPTION: Chalcopyrite occurs in quartz-carbonate veins.

WORK DONE: Prospecting on Jed 1 and 3.

REFERENCES: Mineral Inventory 94K-9, 18, 50; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 18; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1971, p. 91; Assessment Report 6471.

KECHIKA 94L

X (Fig. E-1, NTS 94, No. 24)

LOCATION: Lat. 58° 10' Long. 126° 06' (94L/1E)
LIARD M.D. At the headwaters of Braid Creek.

CLAIMS: XM (10 units), XN (10 units), BY (10 units), GRAN (20 units), XW (18 units), XJ (20 units), XK (20 units), XL (18 units).

OWNER: GRANBY MINING CORPORATION, 1700, 1050 West Pender Street, Vancouver V6E 2H7.

WORK DONE: Preliminary geological mapping and silt and soil sampling.

MacDUCK (Fig. E-1, NTS 94, No. 25)

LOCATION: Lat. 58° 01' Long. 127° 53' (94L/4W)
LIARD M.D. One kilometre south of the Pitman River, 36 kilometres southwest of Lamarque Pass.

CLAIM: MacDUCK (12 units).

OWNER: Falconbridge Nickel Mines Limited.

OPERATOR: WESFROB MINES LIMITED, 700, 1112 West Pender Street, Vancouver V6E 2S1.

METAL: Zinc.

DESCRIPTION: The MacDuck claim is underlain by Mesozoic greenstones, including locally, small bodies of metasedimentary and unmetamorphosed volcanic rock. In a few localities pyritiferous rhyolites produce prominent gossans. Sphalerite occurs in pyritic sericite schists within greenstones.

WORK DONE: Geochemical survey, 334 samples analysed for copper, zinc, lead, and silver, covering MacDuck.

REFERENCES: Mineral Inventory 94L-10; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 178; Assessment Report 6331.

SYNC (Fig. E-1, NTS 94, No. 28)

LOCATION: Lat. 58° 23' Long. 126° 27' (94L/8W)
LIARD M.D. South of the Gataga River, 7 kilometres due west of its confluence with Through Creek.

CLAIMS: SYNC 1 to 4 (totalling 29 units).

OWNER: Texasgulf Canada Ltd.

OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver.

METAL: Lead.

DESCRIPTION: Galena fills small fractures and replaces bedding in limestone near limestone-shale contacts.

WORK DONE: Geochemical survey, 150 samples analysed for lead, zinc, and copper, covering all claims.

REFERENCE: Mineral Inventory 94L-12.

1977

(94L/8E)

ROUGH (Fig. E-1, NTS 94, No. 26)

LOCATION: Lat. $58^{\circ} 16'$ Long. $126^{\circ} 10'$ (94L/8E)
LIARD M.D. South of the Gataga River, 18 kilometres due east of Mount New.

CLAIMS: ROUGH 1 (16 units), ROUGH 2 (16 units), ROUGH 3 (20 units), ROUGH 4 (20 units), ROUGH 5 (20 units), ROUGH 6 (20 units), ROUGH 7 (20 units), ROUGH 8 (7 units), ROUGH 9 (20 units).

OWNER: Texasgulf Canada Ltd.

OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver.

METALS: Zinc, lead.

DESCRIPTION: Sphalerite and galena occur in a black shale unit in the overturned limb of a recumbent anticline.

WORK DONE: Surface geological mapping, 1:5 000, covering Rough 1-5; geochemical survey, 650 soil samples analysed for lead, zinc, and copper, covering Rough 1-4; three trenches totalling 48 metres, on Rough 4.

REFERENCES: Mineral Inventory 94L-11; Assessment Report 6454.

WENDY (Fig. E-1, NTS 94, No. 27)

LOCATION: Lat. $58^{\circ} 53'$ Long. $127^{\circ} 56'$ (94L/13W)
LIARD M.D. Sixteen kilometres north-northwest of the confluence of Dall River and the Turnagain River.

CLAIM: WENDY (20 units).

OWNER: AMOCO CANADA PETROLEUM COMPANY LTD., Mining Division, 2010, 65 Queen Street West, Toronto, Ontario M5H 2M5.

WORK DONE: Geochemical survey.

NORTHWEST BRITISH COLUMBIA
(NTS Divisions 104 and part of 114)

BOWSER LAKE 104A

ENTERPRISE (Fig. E-1, NTS 104, No. 1)

LOCATION: Lat. 56° 05' Long. 129° 48' (104A/4W)
SKEENA M.D. Straddling the Cassiar-Stewart Highway, approximately 23 kilometres by road from Stewart.

CLAIMS: Thirty-six Crown-granted claims and 42 reverted Crown-granted claims including ENTERPRISE, PAT, COPPER QUEEN, COPPER KING, ICE WORM, HEATHER, WEDGE FR., DEMPSEY FR., GIPSY FR., COPPER LORD, WATERFALL, COME AGAIN, BIG GULCH, CANYON, KID, BEAR, BIG, FIVE, SPECTACULATOR, TRAIL, BIG SLIDE plus SNOWLAKE 1 (2 units), SNOWLAKE 2 (1 unit).

OWNER: TOURNIGAN MINING EXPLORATIONS LTD., 704, 535 Thurlow Street, Vancouver V6E 3L2.

METALS: Copper, lead, zinc, silver.

DESCRIPTION: Two types of mineralization occur in the Unuk River Formation: veins and stratabound deposits of pyrite, pyrrhotite, chalcopyrite, sphalerite, and galena and zones containing disseminations and stringers of pyrite and chalcopyrite.

WORK DONE: 1976 — geological mapping, 1:5000, covering Enterprise 4, Pat Fr., and Snowlake, and 1:500, covering Copper Queen 1; diamond drilling, four holes totalling 103 metres on Enterprise 4, Pat Fr., and Copper Queen 1; sampling on Copper Queen 1.

REFERENCES: Mineral Inventory 104A-20 to 24, 29; *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 51; Assessment Reports 3603, 6382.

ISKUT RIVER 104B

OUTLAND SILVER BAR (Fig. E-1, NTS 104, No. 2)

LOCATION: Lat. 56° 09' Long. 130° 05' (104B/1E)
SKEENA M.D. On the west side of Salmon Glacier, south of its west arm, approximately 3 kilometres north-northeast of Mount Bayard.

CLAIMS: ELDORADO, ELDORADO NO. 2, ELDORADO NO. 3, ALMO, ALMO FR., SILVER THOUGHT FR., SILVER THOUGHT NO. 2, BAR SILVER, RUBY SILVER FR., MONS, VIMY NO. 1, BANNANA FR., MINERAL ZONE, LENS, IDA O, MOUNTAIN GIRL, SILVER BARS, AMY A, NATIVE SILVER FR., HIBBARD, BAR CROSS, SILVER DOLLAR, MUNRO.

OWNER: Gold Drop Mines Ltd., 19790 — 88th Avenue, Langley V3A 4P7.

METALS: Gold, silver, lead, zinc.

1977

(104B/7E)

DESCRIPTION: Mineralization occurs as irregular lenses near dyke-siltstone contacts. Sulphides are often massive and banded to granular in texture, and are hosted by a predominantly quartz-rich gangue.

WORK DONE: Study of mineralogy of 23 polished sections.

REFERENCES: Mineral Inventory 104B-30; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. 180; Assessment Report 6198.

MAX (Fig. E-1, NTS 104, No. 4)

LOCATION: Lat. 56° 26' Long. 130° 32' (104B/7E)
SKEENA M.D. Fifteen kilometres northeast of the International Boundary in Barclay Gulch, on the north end of McQuillan Ridge.

CLAIMS: MAX 8, 10, 89, 115 to 118, 203, X Fraction, Y Fraction, MINIMAX (6 units).

OWNER: GRANDUC MINES, LIMITED, 2009, 1177 West Hastings Street, Vancouver V6E 2K3.

METALS: Iron, copper.

DESCRIPTION: A skarn magnetite deposit occurs in a fold structure near the contact of diorite, andesite, and limestone.

WORK DONE: Surface geological mapping, 1:1200 and magnetic survey, 7.3 kilometres, covering Minimax.

REFERENCES: Mineral Inventory 104B-13; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 180.

RED RIVER (Fig. E-1, NTS 104, No. 6)

LOCATION: Lat. 56° 28' Long. 130° 13' (104B/8E)
SKEENA M.D. Two kilometres west of Brucejack Lake, 20 kilometres east of Unuk River.

CLAIM: RED RIVER (14 units).

OWNER: GRANDUC MINES, LIMITED, 2009, 1177 West Hastings Street, Vancouver.

METALS: Gold, silver, zinc, lead.

DESCRIPTION: Minor amounts of sphalerite and galena have been located in sheared and hornfelsed arenaceous rocks near the interface between Lower Jurassic Unuk River Formation and Middle Jurassic Betty Creek Formation rocks. Minor silver and gold values occur in sheared zones that contain quartz-sericite and pyrite.

WORK DONE: Prospecting; geochemical survey, 39 soil samples analysed for gold, silver, and arsenic; and trenching, 12.5 metres, on Red River.

REFERENCES: Mineral Inventory 104B-118; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 181; Assessment Report 6255.

1977

(104B/9)

BIG SHOWING (MITCHELL) (Fig. E-1, NTS 104, No. 5)

LOCATION: Lat. 56° 32' Long. 130° 15' (104B/9)
SKEENA M.D. On a ridge between Sulphurets Glacier and Mitchell Glacier.

CLAIMS: TEDRAY 1 to 13 (78 units), GRACE (6 units), ED 1 (2 units), ED 2 (1 unit), IRON CAP I to III (5 units).

OWNER: GRANDUC MINES, LIMITED, 2009, 1177 West Hastings Street, Vancouver V6E 2K3.

METALS: Copper, molybdenum, gold.

DESCRIPTION: Copper and molybdenum sulphides occur in altered zones in syenitic and granitic intrusive rocks in arenaceous sedimentary rocks. Alteration types include silicification, pyritization, and sericitization.

WORK DONE: Trenching, 110 metres total length (19 sites), on Iron Cap II and III.

REFERENCES: Mineral Inventory 104B-12, 103 to 105; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 182.

SUMDUM 104F

BALSOM (Fig. E-1, NTS 104, No. 14)

LOCATION: Lat. 58° 54' Long. 132° 02' (104F/16E)
LIARD M.D. On the north side of the Barrington River, 7 kilometres southwest of Little Tahtan Lake.

CLAIM: BIG RED (4 units).

OWNER: GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD., 715 Fifth Avenue SW., Calgary, Alta.

METAL: Molybdenum.

DESCRIPTION: A quartz monzonite porphyry plug intrudes metasomatic syenite and Middle and Upper Triassic laminated siltstones and foliated volcanic rocks. A sheeting type quartz stockwork development contains pyrite, magnetite, specular hematite, and molybdenite.

WORK DONE: Trenching, five trenches totalling 24 metres; geochemical survey, 27 soil samples analysed for copper and molybdenum, covering Big Red.

REFERENCES: Mineral Inventory 104F-2; *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 38.

TELEGRAPH CREEK 104G

ANN (SO, SPLIT CREEK) (Fig. E-1, NTS 104, No. 7)

LOCATION: Lat. 57° 03' Long. 131° 32' (104G/4E)
LIARD M.D. Eleven kilometres east-southeast of the junction of Anuk and Stikine Rivers.

CLAIMS: AS 1 to 12.

1977

(104G/6E, 7W)

OWNER: GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.,
715 Fifth Avenue SW., Calgary, Alta.

METAL: Copper.

DESCRIPTION: Disseminated chalcopyrite occurs in a body of diorite which intrudes Triassic volcanic rocks.

WORK DONE: Geochemical survey, 35 soil samples analysed for copper.

REFERENCES: Mineral Inventory 104G-23; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 184.

LIARD COPPER (BIRD, SNO) (Fig. E-1, NTS 104, No. 8)

LOCATION: Lat. 57° 22' Long. 131° 00' (104G/6E, 7W)
LIARD M.D. Sixty-one kilometres south of Telegraph Creek, 9.5 kilometres southwest of Mess Lake.

CLAIMS: BIRD, SNO, BB, BUD, EMU, GAV, ID, MESS, NOV, PIT, PUM, VON, SUE, WIN, IMP, A, MU, JACK, LL, and DAVE, totalling approximately 450.

OWNERS: Liard Copper Mines Ltd. and Hecla Operating Company.

OPERATOR: HECLA OPERATING COMPANY, 2009, 1177 West Hastings Street, Vancouver V6E 2K3.

METALS: Copper, molybdenum.

DESCRIPTION: Chalcopyrite, bornite, and molybdenite occur in strongly fractured pyroclastic rocks that are intruded by quartz feldspar porphyry dykes and breccias in a structurally complex zone with dimensions approximately 3 kilometres by 2 kilometres.

WORK DONE: Surface diamond drilling one NQ/BQ hole totalling 634 metres, on ID 10; petrographic and structural studies of drill core surface data continued; geological sections further refined and revised.

REFERENCES: Mineral Inventory 104G-15; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 184; Assessment Report 6525.

RUN (Fig. E-1, NTS 104, No. 9)

LOCATION: Lat. 57° 17' Long. 130° 53' (104G/7W)
LIARD M.D. Sixteen kilometres southeast of Mess Lake, on Mess Creek.

CLAIMS: BE 1 to 6 (20 units each) (restaking of MAY claims).

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

METALS: Copper, molybdenum.

DESCRIPTION: The property is underlain by Triassic intermediate volcanic rocks which have been intruded by irregular-shaped monzonite stocks and dykes. Disseminated and fracture-filling chalcopyrite and molybdenite occur near the contacts, both in the intrusive rocks and in the volcanic country rocks.

1977

(104G/9E)

WORK DONE: Surface geological mapping, 1:2500; geochemical survey, 1 600 samples analysed for copper, molybdenum, and silver; magnetometer survey, 80 kilometres; induced polarization survey, 20 kilometres; linecutting, 80 kilometres; and control survey, 16 kilometres, covering all claims; diamond drilling, five NQ holes totalling 933 metres on BE 1, 3, and 5.

REFERENCES: Mineral Inventory 104G-40; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 185; Assessment Reports 3093, 3577, 3989, 4100, 4755, 6162, 6391.

GJ (Fig. E-1, NTS 104, No. 11)

LOCATION: Lat. $57^{\circ} 39'$ Long. $130^{\circ} 14'$ (104G/9E)
LIARD M.D. Seven and one-half kilometres west-southwest of the north end of Kinaskan Lake.

CLAIMS: GJ (12 units), SPIKE 1 (18 units), SPIKE 2 (10 units).

OWNER: GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD., 715 Fifth Avenue SW., Calgary, Alta.

METALS: Copper, gold.

DESCRIPTION: The claims are underlain by a sequence of cherts and sedimentary, volcanic, and volcanoclastic rocks altered by an Upper Triassic/Lower Jurassic dioritic sill. Mineralization, in the form of chalcopyrite, is confined to quartz stockwork veining, and is associated with well-developed sericitic and potassic alteration.

WORK DONE: Surface geological mapping, 1:4800, covering all claims; induced polarization survey, 15.5 kilometres; five trenches totalling 22 metres; and overburden sampling (50 holes), on GJ.

REFERENCES: Mineral Inventory 104G-34; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 185; Assessment Report 6500.

GOAT HORN, MISTY MOUNTAINS (Fig. E-1, NTS 104, No. 10)

LOCATION: Lat. $57^{\circ} 40'$ Long. $130^{\circ} 13'$ (104G/9E)
LIARD M.D. Approximately 10 kilometres west of Kinaskan Lake.

CLAIMS: GOAT (16 units), GOAT HORN (12 units), GOAT HIDE (12 units), LITTLE GOAT (9 units), MIRKWOOD (9 units), RIVENDELL (9 units), MISTY MOUNTAINS (9 units), BILLY GOAT (3 units), NANNY GOAT (3 units), NOODLE (9 units).

OWNER: Texasgulf Canada Ltd.

OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, gold.

DESCRIPTION: Mesozoic volcanic and sedimentary rocks have been intruded by an elongate pluton, ranging in composition from diorite to monzonite. Quartz-vein stockworks carrying pyrite and chalcopyrite are developed in both the pluton and the intruded rocks.

1977

(104G/9E)

WORK DONE: Surface geological mapping, 1:2500; linecutting, 13.1 kilometres; induced polarization survey, 18.5 kilometres; and magnetometer survey, 15.7 kilometres, covering Goat and Goat Hide; geochemical survey (bedrock surface sampling), 117 soil samples analysed for copper, molybdenum, and zinc, covering Goat and Goat Hide and 19 stream silt samples analysed for copper, molybdenum, and zinc, covering Noodle; surface diamond drilling, 10 BQ holes totalling 1 524 metres, on Goat and Goat Hide; hand trenching, two trenches totalling 17.2 metres, on Noodle.

REFERENCES: Mineral Inventory 104G-86; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 185, E 186; Assessment Report 654.

SUN (Fig. E-1, NTS 104, No. 12)

LOCATION: Lat. 57° 41' Long. 130° 14' (104G/9E)
LIARD M.D. Nine kilometres due west of the north end of Kinaskan Lake.

CLAIM: SUN (12 units).

OWNER: GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.,
715 Fifth Avenue SW., Calgary, Alta.

METAL: Copper.

DESCRIPTION: Veinlets of chalcocite occur in a poorly consolidated tuff band. The tuff is in a sequence of volcanic flows, pyroclastic rocks, and volcanoclastic rocks.

WORK DONE: Surface geological mapping, 1:4800, covering Sun.

REFERENCES: Mineral Inventory 104G-87; Assessment Report 6303.

QC (Fig. E-1, NTS 104, No. 13)

LOCATION: Lat. 57° 45' Long. 130° 19' (104G/9W, 16W)
LIARD M.D. On the south side of Quash Creek, 12 kilometres northwest of the north end of Kinaskan Lake.

CLAIMS: KING HENRY II (12 units), ELEANOR OF AQUITAINE (8 units).

OWNER: Texasgulf Canada Ltd.

OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver
V6E 3J7.

METAL: Copper.

DESCRIPTION: Mesozoic andesitic volcanic rocks and clastic sedimentary rocks are intruded by dykes and irregular stocks of porphyritic diorite or monzonite. Pyrite and chalcopyrite occur in quartz veinlets and as disseminations within and close to intrusive bodies.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 14 rock and talus fines samples analysed for copper, molybdenum, and zinc; and 23 grab samples assayed for soluble and total copper, covering King Henry II.

REFERENCES: Mineral Inventory 104G-33; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1970, p. 58.

SPATSIZI RIVER 104H**RED, CHRIS, SUS, WINDY (Fig. E-1, NTS 104, No. 15)**

- LOCATION:** Lat. 57° 42' Long. 129° 48' (104H/12W)
 LIARD M.D. Nine kilometres east-southeast of Eddontenajon Lake.
- CLAIMS:** RAF 1 to 6, COUGAR 1 to 8 Fractions, SUS NORTH (12 units), SUS SOUTH (12 units), SUS WEST (6 units), CHRIS NORTH (4 units), RED NORTH (8 units), RED SOUTH (8 units), FUN (4 units), VIRGO (3 units), CAPRICORN (12 units), TAURUS (4 units), PISCES (4 units), CANCER (6 units), SAGITTARIUS (6 units), LIBRA (4 units), GEMINI (4 units), SCORPIO (8 units), LEO (1 unit), AQUARIUS (5 units), ARIES (2 units) (Texasgulf Canada Ltd.); RED 4 to 34, SUS 79, 81, 83 (Silver Standard Mines Limited); CHRIS 1 to 24, MONEY 1 to 30, 32, 34, 36, 38, 40 to 59, 61, 63 (Great Plains Development Company of Canada, Ltd.).
- OWNERS:** Texasgulf Canada Ltd., Silver Standard Mines Limited, and Great Plains Development Company of Canada, Ltd.
- OPERATOR:** TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver V6E 3J7.
- METALS:** Copper, gold.
- DESCRIPTION:** An elongate monzonite intrusion, with strong to intense argillic alteration and much disseminated pyrite, intrudes Mesozoic volcanic and volcanoclastic rocks. Copper-gold mineralization occurs in quartz-vein stockworks and as disseminations in the intrusion.
- WORK DONE:** Linecutting, 6.2 kilometres, covering Chris 9-16, 19, 21, 23 and Cougar 4, 5, 7, 8 Fractions; geochemical sampling (by overburden drilling), 153 samples analysed for copper, covering Chris 4, 9, 10, 15, 16, Cougar 2 Fraction, and Sus North; induced polarization survey, 20.1 kilometres, covering Chris 1, 3, 5, 9-16, 21, 23 and Cougar 4, 5, 7, 8 Fractions.
- REFERENCES:** Mineral Inventory 1-4H-2, 4 to 6; *Minister of Mines, B.C.*, Ann. Rept., 1956, p. 14; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, pp. 535-537; 1973, p. 509; 1974, pp. 340-343; *B.C. Ministry of Mines & Pet. Res.*, Geology in B.C., 1975, pp. 85-87; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 187, E 188; *B.C. Ministry of Mines & Pet. Res.*, Geological Fieldwork, 1976, pp. 71, 72; Assessment Reports 2164, 2165, 3044, 3202, 5297, 6489.

BONANZA, ELDORADO (Fig. E-1, NTS 104, No. 16)

- LOCATION:** Lat. 57° 45' Long. 129° 38' (104H/12E, 13E)
 LIARD M.D. Twenty kilometres east of Eddontenajon Lake, 2.5 kilometres west of the Klappan River.
- CLAIMS:** BONANZA (20 units), ELDORADO (20 units).
- OWNER:** Texasgulf Canada Ltd.
- OPERATOR:** TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver V6E 3J7.
- METAL:** Copper.

1977

(104H/13W)

DESCRIPTION: A thick sequence of augite trachyandesite and trachybasalt flow rocks is intruded by irregular bodies of feldspar porphyry. The porphyries and adjacent volcanic rocks locally exhibit well-developed phyllic alteration and are weakly mineralized with pyrite and chalcopyrite.

WORK DONE: Linecutting, 11.4 kilometres; induced polarization and magnetometer surveys, 11 kilometres; surface geological mapping, 1:2500; geochemical sampling (by overburden drilling), 166 samples analysed for copper, molybdenum, and zinc; and hand trenching, two trenches and one pit totalling 17.5 metres, covering Bonanza and Eldorado (grid area).

REFERENCES: Mineral Inventory 104H-13; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1976, p. E 186; Assessment Report 6368.

RD (Fig. E-1, NTS 104, No. 19)

LOCATION: Lat. 57° 42' Long. 129° 58' (104H/13W)
LIARD M.D. At the middle of Eddontenajon Lake, on the east shore.

CLAIM: RD 1 (15 units).

OWNER: GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.,
715 Fifth Avenue SW., Calgary, Alta.

METAL: Copper.

DESCRIPTION: A fine-grained, magnetic diorite intrudes rocks that are predominantly volcanic. Potassic and epidote veining is prominent. Chalcocite and malachite are associated with fractures.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 154 soil samples analysed for copper; and magnetometer survey, 20.5 kilometres, covering RD 1.

REFERENCE: Mineral Inventory 104H-16.

ROSE (Fig. E-1, NTS 104, No. 20)

LOCATION: Lat. 57° 47' Long. 129° 52' (104H/13W)
LIARD M.D. On Ehaheizetle Mountain, between Ealue Lake and Eddontenajon Lake.

CLAIMS: ROSE OF KLAPPAN (20 units), LANCASTRIAN ROSE (3 units), WESTERN (10 units), ORGY (2 units), ROSE OF YORK (3 units), LAST ROSE OF SUMMER (9 units), UNION (15 units), KING RICHARD III (1 unit), BOSWORTH FIELD (2 units), KING HENRY IV (6 units), TUDOR (6 units), CHECK (8 units), ROGER (3 units), OK (2 units), YACU (4 units).

OWNER: Texasgulf Canada Ltd.

OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, gold.

1977

(104H/13W)

DESCRIPTION: Small irregular bodies of hornblende monzonite intrude a thick pile of Mesozoic volcanic and volcanoclastic rocks. Some intrusive bodies show strong quartz-sericite-pyrite alteration. Chalcopyrite mineralization occurs on quartz-vein stockworks in monzonite and adjacent volcanic rocks.

WORK DONE: Surface geological mapping, 1:5000, covering Rose of Klappan and Last Rose of Summer; induced polarization survey, 6 kilometres, covering Western, Orgy, Rose of York, and Last Rose of Summer; magnetometer survey, 6 kilometres, covering Western, Orgy, and Rose of York; geochemical survey, 221 soil samples analysed for copper, zinc, and molybdenum, covering Western, Orgy, Rose of York, Last Rose of Summer, and Rose of Klappan; hand trenching, five trenches totalling 62.5 metres, on Last Rose of Summer and Rose of Klappan.

REFERENCES: Mineral Inventory 104H-1; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1971, p. 42; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 187; 1976, p. E 188.

DRUM (Fig. E-1, NTS 104, No. 18)

LOCATION: Lat. 57° 54' Long. 129° 51' (104H/13W)
LIARD M.D. On the Klastline Plateau, midway between Zechtoo Mountain and Thatue Mountain.

CLAIMS: DRUM 1 (20 units), DRUM 2 (20 units).

OWNER: GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.,
715 Fifth Avenue SW., Calgary, Alta.

DESCRIPTION: Underlying the property is a northwest-trending assemblage of volcanic and sedimentary rocks and very minor diorite.

WORK DONE: Prospecting, covering both claims.

KITTY, FIFE (Fig. E-1, NTS 104, No. 17)

LOCATION: Lat. 57° 54' Long. 129° 57' (104H/13W)
LIARD M.D. On the Klastline Plateau, on the south and west sides of Zechtoo Mountain.

CLAIMS: KITTY 1 (10 units), FIFE 1 (20 units), FIFE 2 (15 units).

OWNER: GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.,
715 Fifth Avenue SW., Calgary, Alta.

METAL: Copper.

DESCRIPTION: An assemblage of prominent intermediate volcanic rocks with limestones and cherts is cut by a northwest-trending propylitic diorite. Chalcopyrite occurs in calcite-quartz veins and on fractures.

WORK DONE: Surface geological mapping, 1:25 000, covering Kitty 1 and Fife 1.

REFERENCE: Mineral Inventory 104H-15.

CRY LAKE 104I**TUC (Fig. E-1, NTS 104, No. 21)**

LOCATION: Lat. 58° 11' Long. 128° 12' (104I/1E)
 LIARD M.D. Fifteen kilometres south of Hotlah Lake, on the west side of Tucho River.

CLAIMS: TUC 1 to 8.

OWNER: IMPERIAL OIL LIMITED, 314, 1281 West Georgia Street, Vancouver.

WORK DONE: Linecutting, 2.5 kilometres; surface geological mapping, 1:4800; and geochemical survey, 72 soil samples analysed for copper, zinc, and silver, covering Tuc 1, 2, and 7.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 188; 1976, pp. E 189, E 190 (Jeff); Assessment Reports 5511, 6450.

CK (Fig. E-1, NTS 104, No. 26)

LOCATION: Lat. 58° 10' Long. 128° 23' (104I/1W)
 LIARD M.D. Seven kilometres east of Kutcho Creek, at the headwaters of an easterly flowing tributary of Tucho River, 5 kilometres south of the SMRB claims.

CLAIMS: CK 1 (20 units), CK 2 (20 units).

OWNER: CONWEST EXPLORATION COMPANY LIMITED, 1010, 85 Richmond Street West, Toronto, Ontario M5H 2G1.

METALS: Copper, zinc.

DESCRIPTION: Exposed rocks are pyritized quartz-sericite schists.

WORK DONE: Surface geological mapping, 1:4800 and electromagnetic survey, 19.5 kilometres, covering both claims.

REFERENCE: Mineral Inventory 104I-75.

JEFF (Fig. E-1, NTS 104, No. 23)

LOCATION: Lat. 58° 12' Long. 128° 22' (104I/1W)
 LIARD M.D. Twenty-one kilometres southeast of the south end of Rainbow Lakes, at the head of a westward flowing tributary of Kutcho Creek.

CLAIMS: JEFF 1 to 138, KRIS 1 to 9, 11 to 16, JENN 1 to 9, LIN 11, 39, 40, BRUIN 1 and 2, PY 1 to 52, REX 1 to 4 Fractions and MOE 1 (6 units), SUT (6 units), ANDREA (14 units), SVEA (6 units), GRIZZLY 1 (20 units), GRIZZLY 2 (10 units).

OWNER: IMPERIAL OIL LIMITED, 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, zinc, silver.

DESCRIPTION:

The Kutcho Creek massive sulphide deposit occurs in a sequence of volcanic rocks ranging in composition from basalt to soda rhyolite. The rocks have been foliated, folded, and metamorphosed to lower greenschist facies. They are bounded on the north and south by major thrust faults.

The sulphides occur near the top of a 300-metre footwall unit of rhyolitic lapilli tuff which has been metamorphosed to sericite schist. The hangingwall rocks are sericite schist, dolomite, quartz feldspar porphyry, porphyritic basalt, rhyolite, and argillite with interbedded tuffs and epiclastic rocks. A discordant intrusion of gabbroic composition has intruded the hangingwall.

Massive pyrite containing chalcopryrite and sphalerite forms an elongate lens which is part of an extensive pyritic unit. Remobilized chalcopryrite, bornite, chalcocite, and tetrahedrite occur above the main massive sulphide lens and in dolomitic lenses within massive sulphide.

Dolomitic alteration envelopes the massive sulphides and is most abundant in the hangingwall. Hematite and epidote occur higher in the hangingwall. An increase in magnesium chlorite occurs in the footwall of the deposit.

Rocks in the vicinity of the deposit, and along the stratigraphic interval of the pyritic unit, are K_2O and SiO_2 enriched and Na_2O deficient, relative to regional siliceous rocks. K_2O is enriched through 300 metres of footwall and 175 metres of hangingwall rocks. Na_2O is deficient to 75 metres into the hangingwall and SiO_2 is enriched especially in the footwall rocks.

The geological features of this deposit, supported by sulphur isotope ratios, are consistent with massive sulphide deposits of volcanogenic origin.

WORK DONE: Surface geological mapping, 1:4800 and electromagnetic survey, 16 kilometres, covering Grizzly 1; diamond drilling, 17 BQ holes totalling 4 335 metres, on Jeff 5, 6, 17, 82, 87, 91, 92, 94 and Py 32.

REFERENCES: Mineral Inventory 1041-61; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 189, E 190; Assessment Report 6273, 6323, 6343, 6451.

SMRB (Fig. E-1, NTS 104, No. 25)

LOCATION: Lat. $58^{\circ} 12'$ Long. $128^{\circ} 23'$ (1041/1W)
 LIARD M.D. The property is centred 21 kilometres south-southeast of Rainbow Lakes, at the headwaters of a westerly flowing tributary of Kutcho Creek. The SMRB claims are surrounded by Jeff claims and the KC and MC claims lie at the east and west ends of the Jeff claims.

CLAIMS: SMRB 1 to 16, KC 1 to 17, 19 to 33, 60, 62, 81 to 92, 97 to 121, and KC 122 (3 units), MC 1 to 5 (totalling 21 units).

OWNER: SUMAC MINES LTD., Box 10150, Pacific Centre, 1650, 701 West Georgia Street, Vancouver V7Y 1C6.

METALS: Copper, zinc, silver.

DESCRIPTION: The property is underlain by basic, acidic, and pelitic schists which are part of a succession of volcanoclastic and sedimentary rocks. A cupriferous and zinciferous, massive, pyritic sulphide body occurs in muscovite-quartz schist.

WORK DONE: Surface diamond drilling, 16 BQ holes totalling 3 522 metres and charge potential logging, 15 holes totalling 2 100 metres, covering SMRB 1-16.

REFERENCES: Mineral Inventory 1041-60; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 189; 1976, p. E 190.

1977

(1041/2E)

KUTCHO (Fig. E-1, NTS 104, No. 24)

LOCATION: Lat. 58° 12' Long. 128° 31' (1041/2E)
LIARD M.D. Twenty-two kilometres south of Rainbow Lakes, at the easterly flowing headwaters of Kutcho Creek.

CLAIMS: KUTCHO 1 to 10 (totalling approximately 135 units).

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver.

METAL: Copper.

DESCRIPTION: A few lenses of pyrite-chalcopyrite mineralization occur in quartz-sericite, schistose, acid volcanic flows and tuffs.

WORK DONE: 1976 and 1977 — prospecting, covering Kutcho 7; linecutting, 18.2 kilometres; surface geological mapping, 1:5000; ground electromagnetic survey, 13.8 kilometres; and geochemical survey, 408 soil samples, covering Kutcho 8-10.

REFERENCES: Mineral Inventory 1041-72; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 191; Assessment Reports 6374, 6375.

PAT (Fig. E-1, NTS 104, No. 27)

LOCATION: Lat. 58° 11' Long. 129° 29' (1041/3W, 4E)
LIARD M.D. At the head of the Tanzilla River, 11 kilometres easterly from Cake Hill.

CLAIMS: MAC (16 units), RMKS (2 units), RMK (3 units), BRAD (4 units), HORN (6 units), JIM (4 units).

OWNER: TORMEX RESOURCES LTD., 1151 Norcen Tower, 715 Fifth Avenue SW., Calgary, Alta.

METALS: Molybdenum, copper.

DESCRIPTION: Chalcopyrite and molybdenite are disseminated in granitic rocks of the Hotailuh batholith.

WORK DONE: 1976 — seismic survey, covering Mac and Horn; linecutting, 15 kilometres and geochemical survey, 235 soil samples, covering Mac, Horn, Jim, and RMK; induced polarization survey, 7.2 kilometres and ground magnetometer survey, 6.6 kilometres, covering Mac, Horn, and Jim.

REFERENCES: Mineral Inventory 1041-43; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 537; Assessment Reports 3963, 6323.

LET (Fig. E-1, NTS 104, No. 28)

LOCATION: Lat. 58° 17' Long. 128° 34' (1041/7E)
LIARD M.D. In the Cassiar Mountains, 6 kilometres south-southwest of Wolverine Lake.

CLAIMS: MEG (20 units), LET (16 units), TAIN (8 units), CREEK (12 units).

OWNER: Andrew Jensen.

OPERATOR: WESFROB MINES LIMITED, 700, 1112 West Pender Street, Vancouver.

1977

(104I/7E)

METAL: Copper.

DESCRIPTION: The property is underlain by a shallow-dipping series of chlorite and graphitic schists cut by a feldspar porphyry, chloritic volcanic unit sparsely mineralized by pyrite and chalcopyrite.

WORK DONE: Linecutting, 8.7 kilometres, covering Meg; geochemical survey, 1 816 samples and induced polarization survey, 42.6 kilometres, covering Let, Tain, and Creek; electromagnetic and magnetometer survey, 51.3 kilometres, covering all claims; drilling, four holes totalling 376.4 metres, on Let, Tain, and Creek.

REFERENCES: Mineral Inventory 104I-74; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 192; Assessment Report 6406.

WT (Fig. E-1, NTS 104, No. 29)

LOCATION: Lat. 58° 17' Long. 128° 37' (104I/7E)
LIARD M.D. Four and one-half kilometres south-southwest of Wolverine Lake, in the Cassiar Mountains.

CLAIMS: SUL 9 to 12.

OWNER: CRY LAKE JADE MINES LTD., 6400 Roberts Street, Burnaby.

METALS: Copper, iron.

DESCRIPTION: A pod of massive chalcopyrite and magnetite occurs in peridotite.

WORK DONE: Surface geological mapping, 1:5000, covering all claims; geochemical survey, 12 soil samples analysed for copper and nickel, covering Sul 9 and 10.

REFERENCES: Mineral Inventory 104I-76; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 190.

MAY (Fig. E-1, NTS 104, No. 31)

LOCATION: Lat. 58° 40' Long. 128° 07' (104I/9E)
LIARD M.D. Immediately north of the junction of the Cassiar and the Turnagain Rivers.

CLAIMS: MAY 1, 3, 5, 7, 10, 14, RAM 15 to 20, 101 to 103, 105, ELIZA 1 to 4, 6, and CUB 1 (4 units).

OWNER: Union Canada Carbide Limited.

OPERATOR: UNION CARBIDE CANADA LIMITED, 404, 1112 West Pender Street, Vancouver.

METAL: Tungsten.

DESCRIPTION: Garnet and diopside, with lesser amounts of pyrrhotite and chalcopyrite, skarns are developed in limestone bands of Early Cambrian (?) age near the contact of the Cassiar batholith. Scheelite occurs disseminated in the skarn, as crystals in quartz veins, and along joint planes in dolomite.

WORK DONE: Prospecting; control surveys by transit and stadia; surface geological mapping, 1:10 000 and 1:1500; and geochemical survey, several hundred samples from overburden areas, covering all claims.

REFERENCES: Mineral Inventory 104I-70; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 190; Assessment Reports 6455, 6507.

1977

(104I/9W, 16W)

BLUE (Fig. E-1, NTS 104, No. 30)

LOCATION: Lat. $58^{\circ} 42' 54''$ Long. $128^{\circ} 19' 29''$ (104I/9W, 16W)
LIARD M.D. Extending from the Turnagain River northward to the Major Hart River, covering Blue Sheep Lake.

CLAIMS: BLUE 1 to 26 (20 units each), BLUE 27 (5 units), BLUE 28 to 30 (15 units each), BLUE 31 and 32 (5 units each), BLUE 33 to 53 (20 units each).

OWNER: Quebec Cartier Mining Company.

OPERATOR: ESSEX MINERALS COMPANY, 1208, 7 King Street East, Toronto, Ontario M5C 1A2.

DESCRIPTION: Eastern portions of the staked area are underlain by relatively unmetamorphosed Cambrian-Ordovician shale, limestone, and quartzite, the central portions by Silurian-Devonian shale and impure carbonate strata, and the western remainder by Devonian-Mississippian eugeosynclinal rocks of the Sylvester Group.

WORK DONE: Prospecting; surface geological mapping, 1:10 000; and geochemical survey, 250 silt samples and 100 rock chip samples analysed for lead, zinc, copper, molybdenum, tungsten, and silver.

DEASE LAKE 104J

PAT (Fig. E-1, NTS 104, No. 34)

LOCATION: Lat. $58^{\circ} 12'$ Long. $131^{\circ} 34'$ (104J/4E)
ATLIN M.D. On the northeast side of Hatchau Lake, on the Hackett River.

CLAIMS: SKI 1 to 4 (20 units each), SKI 5 and 6 (12 units each).

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver.

METAL: Copper.

DESCRIPTION: Due to surface cover geological information is scarce, however, the property appears to be underlain by Triassic volcanic rocks which have been intruded by dioritic-monzonitic bodies. Anomalous geochemical values and minor observed copper mineralization appear to be associated with these intrusive rocks.

WORK DONE: Prospecting, covering all claims; geochemical survey, 170 soil and 30 silt samples, covering Ski 1 and 2.

REFERENCES: Mineral Inventory 104J-15; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1970, p. 32.

STAR (Fig. E-1, NTS 104, No. 33)

LOCATION: Lat. $58^{\circ} 13'$ Long. $131^{\circ} 43'$ (104J/4E)
LIARD M.D. On the Dick River, a northeast-flowing tributary of the Hackett River.

1977

(104J/4W)

CLAIMS: STAR 1 (20 units), STAR 2 (15 units), STAR 3 (6 units), STAR 4 (2 units), STAR 5 (2 units), STAR 6 (9 units), STAR 7 (6 units), STAR 8 (1 unit), STAR 9 (9 units), STAR 10 (4 units), STAR 11 (6 units), STAR 12 (10 units), STAR 13 (4 units), STAR 14 (10 units), STAR 15 (3 units).

OWNER: UNITED CAMBRIDGE MINES LTD., 211, 543 Granville Street, Vancouver V6C 1X8.

METALS: Copper, silver, gold.

DESCRIPTION: Porphyry-type copper mineralization occurs in and adjacent to the margins of a small diorite intrusion. Copper minerals include chalcopyrite, minor bornite, malachite, azurite, and tenorite (?). Magnetite is also present. The mineralized zone is highly fractured and strongly oxidized and weathered.

WORK DONE: Surface geological mapping, 1:1000 and 1:4800, and magnetometer survey, 32.2 kilometres, covering Star 2; trenching, 3 211 metres on Star 2, 457 metres on Star 1, and 30 metres on Star 11; access road construction, 4.38 kilometres on Star 1, 3.1 kilometres on Star 2 and 3, and 3.0 kilometres on Star 12.

REFERENCES: Mineral Inventory 104J-35; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 193; *B.C. Ministry of Mines & Pet. Res.*, Geological Fieldwork, 1970, pp. 63-68; 1977, pp. 69, 70.

GO (Fig. E-1, NTS 104, No. 32)

LOCATION: Lat. 58° 14' Long. 131° 42' (104J/4W)
ATLIN M.D. North of the Hackett River, on the north side of Kaketsa Mountain.

CLAIM: KAKETSA (8 units).

OWNER: SOVEREIGN METALS CORP., 305, 535 Thurlow Street, Vancouver V6E 3L2.

METAL: Copper.

DESCRIPTION: Copper minerals, principally chalcopyrite, occur as fracture filling and, to a lesser extent, in disseminated form near a volcanic-intrusive contact. Hornblende diorite of the Kaketsa stock intrudes porphyritic andesites and tuffs.

WORK DONE: One trench totalling 30 metres, on Kaketsa.

REFERENCES: Mineral Inventory 104J-5; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1971, p. 48; 1972, pp. 547-549.

TAN, ZILLA (Fig. E-1, NTS 104, No. 36)

LOCATION: Lat. 58° 18' Long. 130° 25' (104J/8W)
LIARD M.D. Five kilometres south of the confluence of Itsillitu Creek and the Tanzilla River.

CLAIMS: TAN (12 units), ZILLA (12 units).

OWNER: WESFROB MINES LIMITED, 700, 1112 West Pender Street, Vancouver.

1977

(104J/8W)

METAL: Copper.

DESCRIPTION: The Tan and Zilla claims are underlain by andesitic tuffs, volcanoclastic rocks, and fine sedimentary breccias with siltstone bands. The volcano-sedimentary sequence is intruded by minor peridotite and diorite bodies. Low to moderate magnetite and pyrite occurs throughout the property. Minor chalcopyrite occurs in carbonate shears in tuffs.

WORK DONE: Linecutting and induced polarization and magnetometer surveys, 8 kilometres each, and geochemical silt and soil sampling, covering both claims.

REFERENCES: Mineral Inventory 104J-36; Assessment Report 6422.

MACK (Fig. E-1, NTS 104, No. 35)

LOCATION: Lat. 58° 28' Long. 130° 25' (104J/8W)
LIARD M.D. On Snow Peak, 25 kilometres west of the south end of Dease Lake.

CLAIMS: MACK 1 to 36, MACK 1, 2, 7 and 8 Fractions.

OWNER: TORMEX RESOURCES LTD., 1511 Norcen Tower, 715 Fifth Avenue SW., Calgary, Alta.

METALS: Molybdenum, tungsten, gold, (copper).

DESCRIPTION: Molybdenum, copper, scheelite, and powellite mineralization occurs in a quartz monzonite stock intruding mainly Lower Jurassic meta-sedimentary rocks.

WORK DONE: 1976 — surface geological mapping, 1:4800 and induced polarization survey, 4.6 kilometres, covering central part of Mack claims.

REFERENCES: Mineral Inventory 104J-14; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 551; Assessment Report 6354.

TULSEQUAH 104K

PAT, NAN (Fig. E-1, NTS 104, No. 3)

LOCATION: Lat. 58° 27' Long. 133° 22' (104K/6W)
ATLIN M.D. Twenty-five kilometres south-southeast of Tulsequah, on Mount Ogden.

CLAIMS: MOLY 1 to 4 (totalling 41 units), TAKU 1 and 2 (totalling 36 units).

OWNER: Frank Onucki.

OPERATOR: MARGE ENTERPRISES LTD., 517, 402 West Pender Street, Vancouver V6B 1T6.

METALS: Molybdenum, zinc, silver.

DESCRIPTION: Molybdenum occurs in veinlets, as fine disseminated grains, and as coarse books, all in light-coloured quartz monzonite porphyry.

WORK DONE: Surface geological mapping, covering all claims.

REFERENCES: Mineral Inventory 104K-13, 47; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 25; Assessment Reports 383 (Nan), 6639.

ELAINE (Fig. E-1, NTS 104, No. 38)

LOCATION: Lat. $58^{\circ} 18'$ Long. $132^{\circ} 39'$ (104K/7E)
ATLIN M.D. Sixteen kilometres south of Trapper Lake, in the Checkidla Range.

CLAIMS: LEAH 1 to 8.

OWNER: Orin Anderson.

OPERATOR: MATTAGAMI LAKE MINES LIMITED, 502, 8215 - 112th Street, Edmonton, Alta.

METAL: Molybdenum.

DESCRIPTION: Molybdenite occurs as veins in alaskite. Minor pyrite and chalcopryrite are also present.

WORK DONE: Surface geological mapping, 1:1000, and 42 stream sediment samples and 95 rock assays, covering all claims.

REFERENCES: Mineral Inventory 104K-33; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1972, p. 553.

MC (Fig. E-1, NTS 104, No. 37)

LOCATION: Lat. $58^{\circ} 22'$ Long. $132^{\circ} 12'$ (104K/8E)
ATLIN M.D. Six kilometres due east of the central and most easterly section of Tatsamenie Lake.

CLAIMS: PEACH (6 units), ORANGE (6 units), APPLE (6 units), PLUM (12 units), PEAR (1 unit), POMEGRANITE (2 units), LIME (4 units).

OWNER: RIO TINTO CANADIAN EXPLORATION LIMITED, 615, 555 Burrard Street, Vancouver V7X 1M8.

METALS: Copper, molybdenum, silver.

DESCRIPTION: Chalcopryrite and molybdenite occur as disseminations in feldspar porphyry, as fracture fillings, and in quartz stockworks, mainly in feldspar porphyry but also in andesite and diorite. Phyllic, argillic, and propylitic alteration zones have been identified within a 2 000-metre by 600 to 800-metre gossan. The alteration zones and mineralization are centred on a feldspar stock, of Cretaceous and/or Tertiary age, which has intruded Triassic andesite and diorites.

WORK DONE: Surface diamond drilling, one NQ hole totalling 213 metres and one BQ hole totalling 75 metres, on Apple and Orange.

REFERENCES: Mineral Inventory 104K-32; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 194; Assessment Report 6400.

ATLIN 104N**McKEE CREEK (Fig. E-1, NTS 104, No. 40)**

LOCATION: Lat. 59° 29' Long. 133° 31' (104N/5W)
ATLIN M.D. On McKee Creek, 14 kilometres southeast of Atlin.

CLAIMS: EASTER (12 units), SUNDAY (9 units), JR HARVEY (18 units).

OWNER: J. R. Harvey.

OPERATOR: DUPONT OF CANADA EXPLORATION LIMITED, 102, 1550 Alberni Street, Vancouver V6G 1A5.

METAL: Gold.

DESCRIPTION: The claims are underlain by Late Paleozoic Cache Creek volcanic rocks, cherts, and limestones. Ultramafic sills and plugs are present locally. Talcoses and quartzose shear zones are mineralized with pyrite and arsenopyrite and are thought to be the source of the placer gold which occurs in the overlying river gravels.

WORK DONE: Bedrock sampling by Becker drilling, 10 locations; trenching, six panel chip samples; and drill access road construction, 1 kilometre, covering Easter.

REFERENCES: Mineral Inventory 104N-35; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, p. 363; Assessment Report 6324.

CX, FOX (Fig. E-1, NTS 104, No. 42)

LOCATION: Lat. 59° 40' Long. 132° 46' (104N/10)
ATLIN M.D. Approximately 50 kilometres east of Atlin, surrounding Trout Lake.

CLAIMS: CX, CX 1, CX 2, FOX 1 to 7, GAIL, JILL.

OWNER: Logtung Resources Limited.

OPERATOR: PLACER DEVELOPMENT LIMITED, 800, 1030 West Georgia Street, Vancouver.

DESCRIPTION: The property lies within the boundaries of the Surprise Lake batholith. It is largely underlain by alaskite. Cache Creek Group cherts and argillites are preserved in the Trout Lake graben. Glacial and post-glacial sedimentary rocks cover most of the graben floor. Palustrine sedimentary rocks cover large areas west of Trout Lake.

WORK DONE: Surface geological mapping, 1:5000, covering CX, CX 1, CX 2, Fox 7; geochemical survey, 734 soil samples analysed for lead, uranium, copper, molybdenum, and zinc, 22 water samples analysed for uranium, and 30 stream sediment samples analysed for lead, uranium, copper, molybdenum, and zinc, covering CX, CX 1, CX 2, Fox 4-7, Jill, Gail; track etch survey, 39 cups, on CX; airborne magnetic and radiometric survey, 900 kilometres, covering all claims.

REFERENCES: Assessment Reports 6448, 6497.

1977

(104N/10W)

BOOT (Fig. E-1, NTS 104, No. 22)

LOCATION: Lat. 59° 31' Long. 132° 49' (104N/10W)
ATLIN M.D. East of Gladys River, 2 kilometres due east of Line Lake.

CLAIMS: WIND 3 to 6, JENNIFER 1 to 8, STORM 1 and 2, LINE 43, 45, 90.

OWNER: CANADIAN JOHNS-MANVILLE COMPANY LIMITED, Box 1500, Asbestos, Quebec J1T 3N2.

METALS: Copper, silver, fluorite.

DESCRIPTION: Chalcopyrite, galena, sphalerite, pyrite, and pyrrhotite occur in limestone lenses.

WORK DONE: Geochemical survey, 179 soil samples analysed for uranium, covering Jennifer 3-8, Wind 4, 6, and Storm 2.

REFERENCES: Mineral Inventory 104N-78; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, p. 514; Assessment Reports 4277, 4910, 4911, 4912, 6127, 6128, 6615.

SNOWBIRD (Fig. E-1, NTS 104, No. 41)

LOCATION: Lat. 59° 40' Long. 132° 50' (104N/10W)
ATLIN M.D. Eight kilometres west of the north end of Trout Lake, 50 kilometres easterly from Atlin.

CLAIMS: MIR 1 to 13 (20 units each).

OWNER: UNION OIL COMPANY OF CANADA LTD., Box 999, Calgary, Alta.

METALS: Uranium, lead, zinc, silver, copper.

DESCRIPTION: The grid area is underlain by a thick sequence of augite trachyandesite or trachybasalt with minor amounts of related pyroclastic rocks. Sulphide mineralization occurs locally in augite-andesite porphyry.

WORK DONE: Geochemical survey, approximately 580 soil samples and 250 silt samples analysed for lead, uranium, and silver, covering Mir 1-9.

REFERENCES: Mineral Inventory 104N-85; Assessment Reports 6362, 6468, 6509.

CY (Fig. E-1, NTS 104, No. 39)

LOCATION: Lat. 59° 37'-41' Long. 133° 00' (104N/10W, 11E)
ATLIN M.D. Twelve kilometres southeast of Surprise Lake, extending from the headwaters of Terrahina Creek southward to Zenazie Creek.

CLAIMS: CY 1 to 8, ENG 1 to 8.

OWNER: MATTAGAMI LAKE MINES LIMITED, 502, 8215 - 112th Street, Edmonton, Alta.

DESCRIPTION: An alaskite intrusion outcrops on the property.

WORK DONE: Geochemical survey, 68 water and stream sediment samples, and radon and scintillometer survey, covering CY 4-8.

1977

(104N/11E)

MONT (Fig. E-1, NTS 104, No. 45)

LOCATION: Lat. 59° 37' Long. 133° 10' (104N/11E)
ATLIN M.D. Immediately northwest of Mount Dixie, 8 kilometres southeast of Surprise Lake.

CLAIMS: MONT 2 and 4 (totalling 36 units).

OWNER: UNION OIL COMPANY OF CANADA LTD., Box 999, Calgary, Alta.

METAL: Uranium.

DESCRIPTION: Zeunerite occurs in medium-grained alaskite, adjacent to a large shear zone.

WORK DONE: Prospecting, covering both claims; geochemical survey, 55 soil samples analysed for uranium, covering Mont 2.

REFERENCE: Assessment Report 6467.

PURPLE ROSE (CRACKER CREEK) (Fig. E-1, NTS 104, No. 46)

LOCATION: Lat. 59° 43' Long. 133° 18' (104N/11W)
ATLIN M.D. West and north of Surprise Lake, at the uppermost headwaters of Cracker Creek.

CLAIMS: PATO 1 to 4 (totalling 36 units).

OWNER: UNION OIL COMPANY OF CANADA LTD., Box 999, Calgary, Alta.

METAL: Uranium.

DESCRIPTION: The claims are located at the western edge of the Surprise Lake batholith where it contacts Cache Creek age sedimentary and volcanic units and ultramafic intrusions. Mineralization consists of shear zone-controlled secondary minerals (zeunerite).

WORK DONE: 1976 and 1977 — prospecting, covering Pato 1-3; geochemical survey, 71 soil samples, covering Pato 1.

REFERENCES: Mineral Inventory 104N-5; *Minister of Mines, B.C.*, Ann. Rept., 1955, pp. 7-9; Assessment Report 6469.

ADANAC (ADERA) (Fig. E-1, NTS 104, No. 43)

LOCATION: Lat. 59° 43' Long. 133° 24' (104N/11W)
ATLIN M.D. Twenty-four kilometres northeast of Atlin, at the headwaters of Ruby Creek.

CLAIMS: ADERA 1 to 4, 6 to 12, ADERA 5 Fraction, RU 1 to 8, PACIFIC 1 and 2, KEY 1 to 44, BAY 1 and 2 Fractions, ZAP 5 to 20, CM 1 to 12, POND, HOBO 1 to 11, 13, 14, 17 to 23, 47, 48, 53, 54, 66, 73 to 82, 87, 89, HOBO 133, 169, 216, 261A, 219, and 220 Fractions, THOR 2, 4, 6, 8, 10, 12, AT 19, CLAIR 1 to 5 Fractions, MATT 1 to 8, totalling 163.

OWNER: ADANAC MINING AND EXPLORATION LTD.

METAL: Molybdenum.

DESCRIPTION: The Ruby Creek mineralized body is classified as an epigenetic, bulk-type, low-grade molybdenum deposit. As presently defined, it

occurs entirely within a Late Cretaceous alaskite pluton. Molybdenite occurs primarily in quartz-filled fractures within the alaskite host. Molybdenum content appears to be almost directly proportional to the fracture density, but is erratically distributed within the individual fractures. A notable characteristic of the deposit is the apparent lack of hypogene minerals other than quartz and molybdenite. Known molybdenite mineralization of economic significance is confined to an area which is roughly oval in shape, with dimensions of approximately 600 metres by 365 metres laterally and 150 metres vertically.

WORK DONE: Legal survey of Adera 5 Fraction.

REFERENCES: Mineral Inventory 104N-52; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1969, pp. 29-35; 1974, p. 351.

RUST (Fig. E-1, NTS 104, No. 44)

LOCATION: Lat. 59° 44' Long. 133° 16' (104N/11W)
ATLIN M.D. Approximately 2.5 kilometres west of Surprise Lake, on Cracker Creek.

CLAIMS: RUST 1 (16 units), RUST 2 (8 units), RUST 3 (6 units), RUST 4 (4 units), RUST 4 (4 units).

OWNER: UNITED RAYORE GAS LTD., 211, 543 Granville Street, Vancouver V6C 1X8.

DESCRIPTION: The claims cover parts of the western margins of the Surprise Lake alaskite intrusion. On adjacent claims, small radioactive occurrences (zeunerite and metazeunerite) are known to occur in small kaolinized fracture and shear zones. The mineralization is locally associated with fluorite, pyrite, chalcopyrite, and arsenopyrite.

WORK DONE: Prospecting, covering all claims.

REFERENCE: *Minister of Mines, B.C., Ann. Rept.*, 1955, pp. 7-9.

IRA (Fig. E-1, NTS 104, No. 47)

LOCATION: Lat. 59° 47' Long. 133° 15' (104N/14)
ATLIN M.D. Immediately west of the north end of Surprise Lake.

CLAIMS: IRA, IRA 2 to 6 (totalling 67 units).

OWNER: UNION OIL COMPANY OF CANADA LTD., Box 999, Calgary, Alta.

DESCRIPTION: The property is underlain by alaskite and quartz monzonite.

WORK DONE: 1976 and 1977 – gamma-ray spectrometer survey, 22.5 kilometres, covering Ira, Ira 2 and 5; geochemical survey, 210 soil samples analysed for uranium, silver, and lead, 65 silt samples analysed for uranium, and 8 water samples analysed for uranium, covering all claims.

REFERENCE: Assessment Report 6426.

1977

(104N/14E)

TUPA (Fig. E-1, NTS 104, No. 48)

LOCATION: Lat. 59° 50' Long. 133° 08' (104N/14E)
ATLIN M.D. Seven kilometres northeast of the north end of Surprise Lake.

CLAIM: TUPA (20 units).

OWNER: UNION OIL COMPANY OF CANADA LTD., Box 999, Calgary, Alta.

WORK DONE: 1976 and 1977 — geochemical survey, 52 soil samples and 72 silt samples analysed for uranium, arsenic, copper, lead, and silver, covering Tupa.

REFERENCE: Assessment Report 6494.

JENNINGS RIVER 1040

AUGUST (Fig. E-1, NTS 104, No. 50)

LOCATION: Lat. 59° 22' Long. 131° 35' (104O/5E)
ATLIN M.D. South of the Jennings River, 7 kilometres northwest of the north end of Kedahda Lake.

CLAIMS: AUGUST (12 units), BEN (8 units), C-D (4 units).

OWNERS: S. G. DIAKOW and B. KENNEDY, 2878 West 38th Avenue, Vancouver V6N 2W9.

METALS: Silver, lead, zinc.

DESCRIPTION: The claims are underlain by rocks of the Kedahda Lake Formation. High-grade silver occurs with galena in black shales and lower grade silver occurs in brecciated volcanic rocks.

WORK DONE: Surface geological mapping, covering August and C-D; two trenches totalling 5 metres, on August.

REFERENCE: Mineral Inventory 1040-26.

BLUE LITE (Fig. E-1, NTS 104, No. 49)

LOCATION: Lat. 59° 39' Long. 130° 27' (104O/9W)
LIARD M.D. South of the Little Rancheria River, 13 kilometres due east of Jennings Lakes.

CLAIM: BLUELITE.

OWNER: Active Management Ltd.

OPERATOR: PACIFIC CYPRESS MINERALS LTD., 708, 900 West Hastings Street, Vancouver.

METAL: Tungsten.

DESCRIPTION: Scheelite, with pyrite, pyrrhotite, minor chalcopyrite, fluorite, and molybdenite, occurs as irregularly distributed, fine disseminations and also as coarse subhedral crystals up to 3 inches in thickness in a skarn zone. Beryllium occurs in coarse-grained pegmatites.

WORK DONE: Prospecting and mapping, covering Bluelite.

REFERENCES: Mineral Inventory 1040-5; *Minister of Mines, B.C., Ann. Rept., 1968*, pp. 33, 34.

1977

(104O/13E)

LOGTUNG (LOGJAM CREEK) (Fig. E-1, NTS 104, No. 51)

- LOCATION:** Lat. 60° 00' Long. 131° 36' (104O/13E)
ATLIN M.D. On the British Columbia-Yukon border, due north of Mile 750 on the Alaska Highway.
- CLAIMS:** JAM 1 (20 units), JAM 2 (20 units), JAM 3 (20 units), JAM 4 (18 units), JAM 5 (20 units), CAMP 1 (2 units).
- OWNER:** AMAX POTASH LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.
- METALS:** Tungsten, molybdenum.
- DESCRIPTION:** Late Paleozoic fine-grained clastic sedimentary rocks and carbonates are flanked to the east and west by northerly elongate Jurassic diorite bodies which underlie the headwaters of West Logjam Creek. A younger quartz monzonite stock forms the southeastern boundary of the showings; several quartz monzonite porphyry dykes occur as offshoots. The metasedimentary rocks are variously altered to brown hornfels or light to dark green, garnet-diopside skarn in the vicinity of the mineralized zones. Scheelite and molybdenite occur mainly in a well-developed quartz vein stockwork in and near the quartz monzonite porphyry dykes and the quartz monzonite stock near its contact. Disseminated scheelite is locally associated with bands or pods of dark green skarn.
- WORK DONE:** Surface geological mapping, 1:5000, covering Jam 1-3, geochemical survey, 800 soil samples analysed for molybdenum, copper, manganese, iron, silver, lead, zinc, and tungsten, covering Jam 2; magnetometer survey, several kilometres over established grid; diamond drilling, four NQ holes totalling 474 metres on Jam 2; road construction, 14 kilometres (total distance from Alaska Highway); linecutting, 36 kilometres on Jam 2.
- REFERENCES:** Mineral Inventory 104O-16 *B.C. Ministry of Mines & Pet. Res.*, Geological Fieldwork, 1977, p. 70; Assessment Report 6491.

McDAME 104P

TAN (Fig. E-1, NTS 104, No. 52)

- LOCATION:** Lat. 59° 03' Long. 128° 01' (104P/1E)
LIARD M.D. On Hidden Valley Creek, 18 kilometres due east of the south end of Deadwood Lake.
- CLAIMS:** TAN 1 to 3 (18 units each).
- OWNER:** AMOCO CANADA PETROLEUM COMPANY LTD., 2010, 65 Queen Street West, Toronto, Ontario M5H 2M5.
- WORK DONE:** Geochemical survey, covering all claims.

1977

(104P/1E)

SAND (Fig. E-1, NTS 104, No. 54)

LOCATION: Lat. 59° 03' Long. 128° 06' (104P/1E)
LIARD M.D. Thirteen kilometres due east of the south end of
Deadwood Lake, on the east side of Sandpile Creek.

CLAIMS: SAND 1 and 2 (18 units each).

OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver.

WORK DONE: 1976 — linecutting, 8 kilometres; geochemical survey, 311 soil samples,
covering Sand.

REFERENCE: Assessment Report 6242.

ATAN (Fig. E-1, NTS 104, No. 53)

LOCATION: Lat. 59° 08' Long. 128° 07' (104P/1E)
LIARD M.D. Fourteen kilometres northeast of the south end of
Deadwood Lake.

CLAIMS: ATAN 1 (15 units), ATAN 2 (18 units), ATAN 3 (6 units), ATAN 4 (1
unit).

OWNER: AMOCO CANADA PETROLEUM COMPANY LTD., 2010, 65 Queen
Street West, Toronto, Ontario M5H 2M5.

METALS: Lead, zinc.

DESCRIPTION: Bedded sphalerite and galena occur in Cambrian limestone of the Atan
Group.

WORK DONE: Reconnaissance geochemical survey.

REFERENCE: Mineral Inventory 104P-61.

ATAN, SKI, ADAIR (Fig. E-1, NTS 104, No. 55)

LOCATION: Lat. 59° 12' Long. 129° 12' (104P/3E)
LIARD M.D. Approximately 2.5 kilometres east of McDame Post,
surrounding Atan Lake.

CLAIMS: ATAN 1 to 4, SKI 1 to 4, 7 to 18, ADAIR 1 to 8, WOLF 1, 3, 5, 7,
FRACTION A Fraction, FRACTION B Fraction, FRACTION C
Fraction, AUGUST 1 to 6.

OWNER: TOURNIGAN MINING EXPLORATIONS LTD., 704, 535 Thurlow
Street, Vancouver V6E 3L2.

METALS: Zinc, barite, (silver).

DESCRIPTION: A sedimentary zinc-barite deposit occurs in Lower Cambrian dolomites
and limestones of the Atan Group. Disseminated sphalerite occurs in
irregular lenses similar in character to the Tri-State deposit of the
United States of America.

WORK DONE: Geological mapping and diamond drilling, five holes totalling 305
metres, covering Ski 3.

REFERENCES: Mineral Inventory 104P-47; *B.C. Ministry of Mines & Pet. Res.*,
Exploration in B.C., 1976, p. E 196; Assessment Report 6438.

1977

(104P/4E)

WILD CAT (Fig. E-1, NTS 104, No. 57)

LOCATION: Lat. 59° 13' Long. 129° 37' (104P/4E)
LIARD M.D. Thirteen kilometres southeast of the town of Cassiar, on Table Mountain.

CLAIMS: WILD CAT 1 to 3, 9, 12 to 16.

OWNERS: F. G. Maynes and W. D. Hartman.

OPERATOR: A. BABIY, 1065 Singh Street, Kamloops.

METALS: Gold, silver.

WORK DONE: Trenching, covering all claims.

REFERENCES: Mineral Inventory 104P-57; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 193.

JENNIE (Fig. E-1, NTS 104, No. 56)

LOCATION: Lat. 59° 13' Long. 129° 39' (104P/4E)
LIARD M.D. Two kilometres east-southeast of Callison Lake, 3 kilometres south of McDame Lake.

CLAIMS: JENNIE EXT 1 to 4, FG 1 and 2, NED 1, BB, TOP 1 to 5, ROCK, TIP 1, GO, NORA, MC, K, NA, RED HILL 5 and 6, MILL, SNO, SKY, SUN, KAT, AA, BIT, VAL, LAKE, UP, GOLD HILL 1 to 4, totalling approximately 100 units.

OWNER: The Agnes & Jennie Mining Co. Ltd.

OPERATORS: NU-ENERGY DEVELOPMENT CORP. and ERICKSON GOLD MINING CORP., 203, 1209 East Fourth Street, North Vancouver.

METALS: Gold, silver, (copper).

DESCRIPTION: A multiphased quartz vein is associated with a felsite dyke at the contact of the argillites and tuffs. The vein occupies a fault zone, strikes approximately east-west, and dips steeply north. The vein is approximately 1 metre wide, the length explored is 260.5 metres, and the depth between deepest diamond-drill hole intersection and shallowest intersection is 122 metres.

WORK DONE: Electromagnetic survey, 28.7 kilometres, and drilling, 3 235 metres, on FG 1, 2, Sky, Sno, Sun, Kat, Jennie Ext 1, 2, and Gold Hill 1-4.

REFERENCES: Mineral Inventory 104P-29; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 197; Assessment Report 6641.

SNOW (HASKINS MTN) (Fig. E-1, NTS 104, No. 58)

LOCATION: Lat. 59° 20' Long. 129° 29' (104P/6W)
LIARD M.D. Near the summit of Mount Haskins.

CLAIMS: SNOW 13 to 16.

OWNER: NUFORT RESOURCES INC., 908, 330 Bay Street, Toronto, Ontario M5H 2S8.

METALS: Zinc, lead, copper.

1977

(104P/7E)

DESCRIPTION: Underlying the claims are metasedimentary rocks of the Atan Group. A sill of quartz porphyry intrudes these rocks on the northwest flank of the mountain. Massive sulphide mineralization occurs in skarn along the contact between cherty limestone and quartzite in the vicinity of a strong northwest-trending, steeply dipping fault.

WORK DONE: Three trenches totalling 40 metres, on all claims.

REFERENCES: Mineral Inventory 104P-20; *Minister of Mines, B.C.*, Ann. Rept., 1965, pp. 12-14.

LON (Fig. E-1, NTS 104, No. 59)

LOCATION: Lat. 59° 27' Long. 128° 31' (104P/7E)
LIARD M.D. Twenty-four kilometres north of Looncry Lake, south of the Red River.

CLAIMS: LON 1 (20 units), LON 2 (16 units), LON 3 (20 units), LON 4 (16 units).

OWNER: AMOCO CANADA PETROLEUM COMPANY LTD., 2010, 65 Queen Street West., Toronto, Ontario M5H 2M5.

DESCRIPTION: The property is underlain by Devonian carbonate and Ordovician argillaceous rocks of the McDame and Kechika Groups.

WORK DONE: Geochemical survey, covering all claims.

TATSHENSHINI RIVER 114P

HUM BIRD (Fig. E-1, NTS 104, No. 60)

LOCATION: Lat. 59° 43' Long. 136° 58' (114P/10W)
ATLIN M.D. Fourteen kilometres east of Tatshenshini River, on a westerly flowing tributary of Shini Creek.

CLAIMS: HUM BIRD 1 to 31, 33 to 41.

OWNER: YUKANDA MINES LIMITED, 14100 Pike Road, Saratoga, California 95070.

METALS: Silver, copper, zinc, lead.

DESCRIPTION: Replacement and vein-type occurrences of tetrahedrite, galena, sphalerite, chalcopryrite, and pyrite mineralization are contained in silicified and carbonatized limestone and sericite schist. These rocks have been folded, faulted, and locally intruded by diorite. Six mineralized zones basically along a strike length of 3 500 metres are known: the Creek showing, Camp showing, Discovery showing, Cliff showing, Ridge showing, and Southeast showing.

WORK DONE: Geochemical survey, 60 samples, and surface diamond drilling, three BQ holes totalling 274.8 metres, on Hum Bird 2 and 3.

REFERENCES: Mineral Inventory 104P-18, 24 to 26; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 200; *B.C. Ministry of Mines & Pet. Res.*, Geological Fieldwork, 1977, p. 71.

STRUCTURAL MATERIALS AND INDUSTRIAL MINERALS EXPLORATION

CONTENTS

	Page
Review of Exploration on Non-Metallic Mineral Deposits	
Reports on Exploration of Non-Metallic Commodities	
Asbestos	E 248
Barite	E 248
Beryl	E 249
Building Stone	E 249
Gypsum	E 250
Jade	E 250
Limestone	E 251
Magnesite	E 252
Ochre	E 252
Opal	E 253
Perlite	E 253
Phosphate	E 253
Rhodonite, Jasper	E 255
Silica	E 255
Talc	E 256

REVIEW OF EXPLORATION ON NON-METALLIC MINERAL DEPOSITS

Exploration related to non-metallic commodities expanded in 1977 by about 20 per cent over the previous year, measured by the number of properties explored. Considerable grassroots prospecting is also known to have taken place for a wide variety of minerals. The major activity was in the southeastern part of the Province related to phosphate, magnesite, limestone, gypsum, and silica. A modest amount of prospecting also occurred in the southwest related to jade, talc, and building stone. Central British Columbia received some prospecting for perlite and opal. In the north, activity was limited to asbestos and jade. Cassiar Asbestos Corporation Limited reactivated exploration on their Kutcho Creek (Letain) property, and drilled six holes totalling 1 123 metres, the largest non-metallic program for the year.

REPORTS ON EXPLORATION OF NON-METALLIC COMMODITIES

ASBESTOS

KUTCHO CREEK (LETAIN) (Fig. E-1, NTS 104, No. 62)

- LOCATION:** Lat. $58^{\circ} 20'$ Long. $128^{\circ} 44'$ (1041/7E)
LIARD M.D. In the Cassiar Mountains, 9 kilometres west-southwest of Wolverine Lake.
- CLAIMS:** JOE 1 to 56, 58 to 73, 76 to 97, 108 to 131, 134 to 143, 157 to 162, 173 to 184, 195 to 212, 223 to 232, F 1 to 7, 10 to 20, 22, 26, 28, 29, 31, 32, and 40 Fractions, B 5 to 8, 11 to 20, N 2 to 10, LIA 1 and 2 Fractions, MATT 1 to 8, 19, 21 to 26, BILL 1 to 5, WHI 1 to 3, 5 to 7, 10 to 14, 16 Fractions, BELL 1 to 16, A 1 to 3 (Lots 6426 to 6428), A 4 and 5 (Lots 6515 and 6516), A FR. (Lot 6697), BOB 1 to 3 (Lots 6517 to 6519), BOB 4 and 5 and BOB FR. (Lots 6693 to 6695), RIB 1 to 6 (Lots 6413 to 6418), RIB 1 and 2 Fractions (Lots 6419 and 6420), RIDGE 7 to 11 (Lots 6421 to 6425), REX FR. (Lot 6696), TENT FR. (Lot 6698), TON FR. (Lot 6699).
- OWNER:** Kutcho Creek Asbestos Company Limited.
- OPERATOR:** CASSIAR ASBESTOS CORPORATION LIMITED, 2000, 1055 West Hastings Street, Vancouver.
- DESCRIPTION:** The Kutcho Creek (Letain) asbestos prospect comprises zoned chrysotile fibre veins occupying the joints in a well-jointed and locally sheared serpentinite sill that intrudes more or less concordantly a sequence of metasedimentary argillaceous, calcareous, and volcanic rocks. The light green to dark green serpentinite contains crossfibre chrysotile veins usually under 1 centimetre in width and from less than 1 centimetre to several metres in length.
- WORK DONE:** Surface diamond drilling, six HQ and NQ holes, totalling 1 123 metres, covering Rib 1 Fr., Rib 3, 5.
- REFERENCES:** Mineral Inventory 1041-6; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1970, p. 486; Assessment Report 6470.

BARITE

HAT (Fig. E-1, NTS 82, No. 241)

- LOCATION:** Lat. $50^{\circ} 29.5'$ Long. $116^{\circ} 18'$ (82K/8W)
GOLDEN M.D. Nineteen kilometres west of Invermere, on the south side of Bruce Creek, 3 kilometres north-northeast of Watch Peak.
- CLAIM:** HAT (6 units).
- OPERATOR:** A. R. MILLER, Box 339, Invermere V0A 1K0.

1977

Barite-Beryl-Building Stone

DESCRIPTION: A barite vein intersects shales of the Horsethief Creek Group of Proterozoic age.

WORK DONE: Surface geological mapping, sampling, and analyses, covering Hat (2 units).

REFERENCE: Mineral Inventory 82K/8W.

BERYL

PEG (Fig. E-1, NTS 92, No. 178)

LOCATION: Lat. 48° 31' Long. 123° 59' (92B/12W)
VICTORIA M.D. On the west side of Walker Creek, 1 kilometre north of Jordan River Reservoir.

CLAIM: PEG 1 (4 units).

OWNERS: R. BEAUPRE, A. LOW, F. ZARELLI, c/o 4361 Shelbourne Street, Victoria V8N 3G4.

CLAIM: PEG 1 (4 units).

DESCRIPTION: Beryl and feldspar occur in two pegmatite veins.

WORK DONE: Prospecting; 58 cubic metres blasted for gem material.

REFERENCES: Mineral Inventory 92B-111; Assessment Report 6598.

BUILDING STONE

KIETH (Fig. E-1, NTS 82, No. 231)

LOCATION: Lat. 49° 16.5' Long. 117° 03' (82F/6E)
At headwaters of Porcupine Creek, 19 kilometres northeast of Salmo.

CLAIM: KIETH (2 units).

OWNER: A. M. GERUN, 420 Second Street, Nelson.

DESCRIPTION: The quartzite deposit is part of the Quartzite Range Formation of Early Cambrian age. The formation consists of white, green, and pink quartzite, argillaceous quartzite, and conglomerate. The deposit is being investigated as a source of building and facing stone.

WORK DONE: Road construction, 670 metres; two trenches, 12 by 30 metres, on Kieth.

REFERENCE: Mineral Inventory 82F/SW-278.

COTTAGE (Fig. E-1, NTS 82, No. 233)

LOCATION: Lat. 49° 39' Long. 116° 49' (82F/10W)
On Crawford Bay Peninsula, 3 kilometres south of Crawford Bay village.

CLAIMS: COTTAGE 1 and 2.

1977

Building Stone-Gypsum-Jade

OWNER: INTERNATIONAL MARBLE & STONE COMPANY LTD., 203, 5809 MacLeod Trail South, Calgary, Alta. T2H 0J9.

DESCRIPTION: A dolomitic member of the Lardeau Group is composed of micaceous and chloritic schists, quartzite, and crystalline limestone.

WORK DONE: 1976 — surface diamond drilling, four holes totalling 146.4 metres, on Cottage 1 and 2.

REFERENCES: Mineral Inventory 82F/NE-75; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, p. 375; Assessment Report 6249.

GYPSUM

MARTIN (Fig. E-1, NTS 82, No. 238)

LOCATION: Lat. 50° 14.5' Long. 115° 39.5' (82J/4E)
GOLDEN M.D. Approximately 15 kilometres northeast of Canal Flats, on the north side of Nine Mile Creek, 2.5 kilometres east of the Kootenay River.

CLAIMS: MARTIN 1 to 7 (Lots 16064 to 16070), MARTIN 8 (2 units), MARTIN 9 (3 units).

OWNERS: Genstar Limited (Martin 1 to 7) and Boris Korun (Martin 8 and 9).

OPERATOR: TRUROG GYPSUM PRODUCTS LTD., 901 College Plaza, 8215 — 112th Street, Edmonton, Alta. T6K 2C8.

DESCRIPTION: The gypsum deposit is in the Burnais Formation of Middle Devonian age. A glacial till in excess of 35 metres thick covers the gypsum.

WORK DONE: 1976 — surface diamond drilling, 16 AQ holes totalling 522 metres; 52 core samples analysed for gypsum, anhydrite, calcite, silica, and alumina.

REFERENCES: Mineral Inventory 82J/SW-16; Assessment Report 6339.

JADE

STEVEN (Fig. E-1, NTS 92, No. 174)

LOCATION: Lat. 49° 27' Long. 121° 15.5' (92H/6W)
NEW WESTMINSTER M.D. On the east bank of the Coquihalla River, 3 kilometres below the mouth of Dewdney Creek.

CLAIM: STEVEN (1 unit).

OWNER: R. J. FULBROOK, RR 3, Vernon.

DESCRIPTION: Talc occurs in serpentine and jade occurs on the contact of serpentine with cherty rock.

WORK DONE: Approximately 750 cubic metres of overburden removed.

REFERENCES: Mineral Inventory 92H/SW-97; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 79.

BLUE (GREENBAY) (Fig. E-1, NTS 92, No. 176)

LOCATION: Lat. $50^{\circ} 56'$ Long. $122^{\circ} 31'$ (92J/15E)
LILLOOET M.D. On the northeast side of Marshall Creek, extending northwest from Brett Creek.

CLAIMS: BLUE, GREENBAY, JOHN, FIM, GB, totalling 32 plus Mineral Lease M-51 (BLUE 1 and 2).

OWNER: Greenbay Exploration and Mining Co. Ltd.

OPERATOR: T. W. MERRINGTON, Box 166, Hope V0X 1L0.

DESCRIPTION: Jade occurs in a vein-like zone within serpentinite.

WORK DONE: Stripping over an area of approximately 475 square metres, on Mineral Lease M-51.

REFERENCES: Mineral Inventory 92J/NE-100; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 202, E 203.

JW (Fig. E-1, NTS 104, No. 61)

LOCATION: Lat. $58^{\circ} 13'$ Long. $128^{\circ} 44'$ (104I/2E)
LIARD M.D. Three kilometres south-southeast of Provencher Lake.

CLAIM: JW (later forfeited).

OWNER: NEPHRO-JADE CANADA LTD., 200, 3540 West 41st Avenue, Vancouver V6L 3E6.

DESCRIPTION: Greyish green jade occurs in a serpentinite body.

WORK DONE: Drilling, 35 holes totalling 18 metres, on JW.

REFERENCES: Mineral Inventory 104I-66; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 204.

LIMESTONE**KOKANEE (Fig. E-1, NTS 82, No. 232)**

LOCATION: Lat. $49^{\circ} 42.5'$ Long. $116^{\circ} 48.5'$ (82F/10W)
Three and one-half kilometres north-northeast of Crawford Bay village, on the east side of a small, southerly flowing tributary of Crawford Creek.

CLAIM: KOKANEE (1 unit).

OWNER: INTERNATIONAL MARBLE & STONE COMPANY LTD., 203, 5809 MacLeod Trail South, Calgary, Alta. T2H 0J9.

DESCRIPTION: Crystalline limestone of the Lardeau Group is finely ground for industrial use.

WORK DONE: 1976 — drilling, seven holes totalling 360 metres, on Kokanee.

REFERENCES: Mineral Inventory 82F/NE-139; Assessment Report 6337.

MAGNESITE**ROK (MAG) (Fig. E-1, NTS 82, No. 239)**

LOCATION: Lat. 50° 47' Long. 115° 39' (82J/13E)
 GOLDEN M.D. Thirty-five kilometres northeast of Radium
 Hotsprings, at the confluence of Assiniboine Creek and Mitchell River.

CLAIMS: ROK 15, 17, 19 to 22, MAG 1 to 27, 29, 35, 36, ART 1 to 4, ART 5
 Fraction, BARABAJACKAL 1, 3 to 6, BILL 1 to 6, 9 to 12, 17 to 20,
 25 to 30, 33 to 42, 51 to 61, 67 to 80, BMG 1 to 6 Fractions, DON 1
 to 5, 8, 10 to 21, JAN 1 to 4 Fractions, JOE 1 to 28, 30, 32 to 54,
 NANCY 1 and 3, VANO 1 to 6, 17 to 23, 33 to 42, 51 to 62, 64 to 66,
 VANO 63 and 71 Fractions.

OWNER: BAYMAG MINES CO. LIMITED, 100, One Calgary Place, 330 Fifth
 Avenue SW., Calgary, Alta. T2P 0L4.

DESCRIPTION: Macrocrystalline magnesite occurs in carbonate rocks of the Cathedral
 Formation of Middle Cambrian age. The orebody has an approximate
 size of 600 by 150 by 120 metres.

WORK DONE: Road construction and bulk sampling.

REFERENCES: Mineral Inventory 82J/NW-1; *B.C. Ministry of Mines & Pet. Res.*,
 Exploration in B.C., 1976, p. 205.

YELO (Fig. E-1, NTS 82, No. 240)

LOCATION: Lat. 50° 46' Long. 115° 37.5' (82J/13E)
 GOLDEN M.D. Thirty-four kilometres northeast of Radium
 Hotsprings, between Mitchell River and Alcantara Creek, 2.5 kilometres
 south-southwest of Mount Brussilof.

CLAIM: YELO (12 units).

OWNER: JACK W. ONDRACK, RR 5, Site 3, Box 2, Edmonton, Alta.

DESCRIPTION: Minor amounts of magnesite are present in dolomitic rocks of the
 Cathedral Formation of Middle Cambrian age.

WORK DONE: 1976 and 1977 — geological mapping and prospecting; sampling and
 assaying, 50 samples for magnesite.

REFERENCES: Mineral Inventory 82J/NW-3; Assessment Report 6565.

OCHRE**MAP (Fig. E-1, NTS 82, No. 228)**

LOCATION: Lat. 49° 10.5' Long. 118° 26.5' (82E/1W)
 GREENWOOD M.D. Fifteen kilometres north of Grand Forks,
 spanning the Granby River.

CLAIMS: MAP 1 (1 unit), JOHN 1 (1 unit), JOHN 2 (1 unit).

OWNER: DOUGLAS MINKEN, 4531 Vandergrift Crescent NW., Calgary, Alta.
 T3A 0J1.

1977

Opal-Perlite-Phosphate

DESCRIPTION: Occurring on the claims is a surficial deposit of reddish earth resulting from weathering of volcanic rocks, many boulders and cobbles intermixed (slopewash).

WORK DONE: 1976 — prospecting.

REFERENCES: Mineral Inventory 82E/SE-207; Assessment Report 6432.

OPAL

OPAL (Fig. E-1, NTS 93, No. 5)

LOCATION: Lat. 52° 12' Long. 121° 52' (93A/4W)
CARIBOO M.D. Ten kilometres north-northeast of 150 Mile House, immediately west of Dewar Lake.

CLAIM: OPAL 1.

OWNER: Burton Westwick.

OPERATORS: BURTON WESTWICK and LAWRENCE WESTWICK, Box 4445, Williams Lake.

WORK DONE: Prospecting; one trench, 1.5 metres in length, on Opal 1.

REFERENCES: Mineral Inventory 93A-122; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1976, p. E 206.

PERLITE

UNCHA LAKE (Fig. E-1, NTS 93, No. 19)

LOCATION: Lat. 53° 52' Long. 125° 39' (93F/13E)
OMINECA M.D. Forty-two kilometres south of Burns Lake, on the north slope of Dayeezcha Mountain.

CLAIMS: KIM (6 units), TOM (2 units).

OWNER: C. S. POWNEY, Box 189, Fort Fraser.

DESCRIPTION: Six perlite bands, up to 20 metres wide and 300 metres to 600 metres in length, are separated by bands of rhyolite.

WORK DONE: Trenching (to obtain samples), 4.3 cubic metres, on Kim and Tom.

REFERENCES: Mineral Inventory 93F-26; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 206.

PHOSPHATE

CABIN (Fig. E-1, NTS 82, No. 234)

LOCATION: Lat. 49° 06' Long. 114° 40' (82G/2E)
FORT STEELE M.D. Eighteen kilometres northwest of Flathead border crossing, on Cabin Creek, 5 kilometres southeast of Cabin Pass.

CLAIMS: CABIN 1 (18 units), CABIN 2 (12 units), CABIN 3 (9 units).

1977

Phosphate

OWNER: IMPERIAL OIL LIMITED, Business Developments, 500 Sixth Avenue SW., Calgary, Alta.

DESCRIPTION: A phosphate layer, approximately 1 metre thick, has developed at the base of marine shales of the Jurassic Fernie Formation. The phosphate bed lies disconformably on Triassic Spray River siltstones and very fine-grained sandstones.

WORK DONE: Prospecting and geochemical survey, 60 samples analysed for phosphate, covering all claims.

REFERENCE: Mineral Inventory 82G/SE-55.

RAM (Fig. E-1, NTS 82, No. 235)

LOCATION: Lat. 49° 10.5' Long. 114° 44' (82G/2E)
FORT STEELE M.D. Twenty-seven kilometres northwest of Flathead border crossing, on the northeast side of Bighorn Creek, 3 kilometres south-southeast of Mount Doupe.

CLAIMS: RAM 1 (18 units), RAM 2 (12 units).

OWNER: IMPERIAL OIL LIMITED, Business Developments, 500 Sixth Avenue SW., Calgary, Alta.

DESCRIPTION: A phosphate layer, approximately 1 metre thick, has developed at the base of marine shales of the Jurassic Fernie Formation. The bed disconformably overlies grey siltstones and fine-grained sandstones of the Triassic Spray River Group.

WORK DONE: Prospecting and geochemical survey, 35 samples analysed for phosphate, covering both claims.

REFERENCE: Mineral Inventory 82G/SE-56.

PH, WW (Fig. E-1, NTS 82, No. 236)

LOCATION: Lat. 49° 27' Long. 114° 40' (82G/7E)
FORT STEELE M.D. From 4 to 10 kilometres southwest of Corbin, along Michel Creek and both sides of Limestone Ridge.

CLAIMS: PH 150 (6 units), PH 151 (3 units), WW 1, 2, 4, 6 to 12, 45 to 60, 83 to 88, 97 to 104.

OWNERS: J. S. Adamson and S. R. Dunn.

OPERATOR: MEDESTO EXPLORATION LTD., 215A — 10th Street NW., Calgary, Alta. T2N 1V5.

DESCRIPTION: The phosphate zone is an oolitic bed 0.9 to 1.2 metres in thickness lying at the base of the dark Fernie (Jurassic) marine shales.

WORK DONE: Drilling, one rotary hole totalling 13.5 metres on WW 85 and one rotary hole totalling 29 metres on PH 150 (unit 6).

REFERENCES: Mineral Inventory 82G/SE-38, 51; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, pp. E 201, E 202; Assessment Report 6365.

1977

Phosphate-Rhodonite, Jasper-Silica

LODGE (Fig. E-1, NTS 82, No. 237)

LOCATION: Lat. 49° 16.5' Long. 114° 48.5' (82G/7W)
FORT STEELE M.D. Twenty-six kilometres southeast of Coal Creek settlement, on the south side of Lodgepole Creek, 3.5 kilometres east of Windfall Mountain.

CLAIM: LODGE 1 (20 units).

OWNER: IMPERIAL OIL LIMITED, 500 Sixth Avenue SW., Calgary, Alta.

DESCRIPTION: A phosphate bed, about 1 metre thick, occurs at the base of a sequence of black and brown shales and siltstones of the Jurassic Fernie Formation. The bed disconformably overlies grey siltstones and fine-grained sandstones of the Triassic Spray River Group.

WORK DONE: Prospecting; geochemical survey, 20 samples analysed for phosphate; and drilling, 10 downhole hammer holes totalling 250 metres, covering Lodge 1.

REFERENCE: Mineral Inventory 82G/SE-57.

RHODONITE, JASPER

ROCKY (Fig. E-1, NTS 92, No. 173)

LOCATION: Lat. 48° 54' Long. 124° 10' (92C/16E)
VICTORIA M.D. Five kilometres northeast of Youbou, on the south slope of Mount Franklin.

CLAIM: ROCKY (1 unit).

OWNER: MAVIS O. J. HAYWARD, 2951 Mount Sicker Road, RR 1, Chemainus V0R 1K0.

WORK DONE: Stripping, approximately 6 cubic metres; trail blazing, 1.3 kilometres; and approximately 415 kilograms of rhodonite removed, on Rocky.

REFERENCE: Mineral Inventory 92C-113.

SILICA

EK (Fig. E-1, NTS 82, No. 229)

LOCATION: Lat. 49° 00.5' Long. 119° 06' (82E/3E)
GREENWOOD M.D. Six and one-half kilometres southeast of Bridesville, at the head of Budy Creek, 1 kilometre north of the 49th parallel.

CLAIM: EK.

OWNER: William Kuhn.

OPERATOR: COASTAL MINING LTD., 506, 1200 West Pender Street, Vancouver V6E 2S9.

1977

Silica-Talc

DESCRIPTION: Massive quartz of white to grey colour occurs at the boundary between carboniferous schists and volcanic rocks. Possible reserves are estimated at 140 000 to 640 000 tonnes.

WORK DONE: 1976 – geological mapping and prospect evaluation, on EK.

REFERENCES: Mineral Inventory 82E/SW-144; Assessment Report 6227.

MOUNT MOBERLY (Fig. E-1, NTS 82, No. 242)

LOCATION: Lat. 51° 22' Long. 116° 58' (82N/7W)
GOLDEN M.D. Eight kilometres north of Golden, on the southern slopes of Moberly Peak.

CLAIMS: RALPH (20 units), CORNER (1 unit), CONTACT (6 units), SANDY (15 units).

OWNER: MOUNTAIN MINERALS LIMITED, Box 700, Lethbridge, Alta.

DESCRIPTION: The quartzite is of Ordovician age and occurs in the Mount Wilson (formerly Wonah) Formation. Part of the quartzite is firmly cemented and very strong, part is cemented poorly and easily disintegrates into sand and sandy rubble.

WORK DONE: Geological mapping, 1:4800, covering all claims; surface diamond drilling, one hole totalling 150 metres on Sandy.

REFERENCES: Mineral Inventory 82N-1; *Minister of Mines, B.C.*, Ann. Rept., 1959, p. 199; 1965, p. 275; Assessment Report 6479.

H&W (Fig. E-1, NTS 92, No. 177)

LOCATION: Lat. 50° 36.5' Long. 127° 42' (92L/12E)
NANAIMO M.D. On the north shore of Holberg Inlet, at the mouth of Wakalish Creek, 3 kilometres west of Apple Bay, adjoining the silica property of Canada Cement Lafarge on the west.

CLAIMS: H&W 1 and 2.

OWNER: Irene Hansen.

OPERATOR: R. McBEAN, 370 North Ranelagh Avenue, Burnaby.

WORK DONE: Dip needle and reconnaissance scintillometer survey, 1.8 kilometres, covering both claims.

REFERENCES: Mineral Inventory 92L-87, 269; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 207; Assessment Reports 6142, 6544.

TALC

VIEW (Fig. E-1, NTS 82, No. 230)

LOCATION: Lat. 49° 07' Long. 116° 53' (82F/2W)
NELSON M.D. On the west side of Placer Creek, 0.5 kilometre above its confluence with Summit Creek and on the north side of Highway 3, 19 kilometres southwest of Kootenay Landing.

1977

Talc

CLAIM: SUMMIT 1 (1 unit).
OWNER: INTERNATIONAL MARBLE & STONE COMPANY LTD., 203, 5809 MacLeod Trail South, Calgary, Alta. T2H 0J9.
DESCRIPTION: Talc occurs within Dutch Creek Formation of the Upper Purcell strata in association with magnesian limestone, quartzite, and argillite.
WORK DONE: 1976 — surface diamond drilling, five holes totalling 102.3 metres, on Summit 1.
REFERENCES: Mineral Inventory 82F/SE-70; *Minister of Mines, B.C.*, Ann. Rept., 1964, p. 207; 1965, p. 278; Assessment Report 6478.

J&J (Fig. E-1, NTS 92, No. 175)

LOCATION: Lat. 49° 59' Long. 121° 33' (92H/13E)
NEW WESTMINSTER M.D. On the southwest side of Nahatlach River, 3.5 kilometres northwest of the Fraser River.
CLAIMS: J&J 1 to 10.
OWNER: PACIFIC TALC LTD., 725 Carnarvon Street, New Westminster.
WORK DONE: Fifteen-tonne sample removed from J&J 1.
REFERENCES: Mineral Inventory 92H/NW-47; *B.C. Ministry of Mines & Pet. Res.*, GEM, 1974, p. 401; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 208.

STEVEN (Fig. E-1, NTS 92, No. 174)

LOCATION: Lat. 49° 27' Long. 121° 15.5' (92H/6W)
Report on this property under Jade.

COAL EXPLORATION

CONTENTS

	Page
General Review of Coal Exploration	E 260
Reports on Coal Exploration	E 261
Crowsnest Coalfield	E 261
Sage Creek Coal Limited	E 261
Crows Nest Industries Limited (Lodgepole – McLatchie)	E 261
Kaiser Resources Ltd. (Taylor Mountain East)	E 263
Coleman Collieries Limited (Tent Mountain)	E 263
Fording Coal Limited (Fording River Operations)	E 263
Elco Mining Ltd. (Elk River Coal Property)	E 264
Kaiser Resources Ltd. (Michel Mines)	E 265
Kaiser Resources Ltd. (Greenhills)	E 265
Kaiser Resources Ltd. (Sparwood)	E 266
Comox Coalfield	E 266
Wellington Colliery Company Limited	E 266
Hat Creek Coalfield	E 267
British Columbia Hydro and Power Authority (Hat Creek Project)	E 267
Similkameen Coalfield	E 267
Imperial Metals and Power Ltd. (Tulameen Coal)	E 267
Bowron River Coalfield	E 268
Norco Resources Ltd. (Bowron River Deposit)	E 268
Peace River Coalfield	E 268
Denison Mines Limited (Saxon Project)	E 268
Denison Mines Limited (Belcourt Project)	E 270
Denison Mines Limited (Quintette Project)	E 270
Brameda – Nichimen (Mount Spieker)	E 271
Teck Corporation Ltd. (Bullmoose)	E 272
BP Exploration Canada Limited (Sukunka Property)	E 272
Teck Corporation Ltd. (Burnt River Project)	E 273
Bri Coal Mining Ltd. (Dowling Creek)	E 273
Utah Mines Ltd. (East Mount Gething Project)	E 274

ILLUSTRATIONS**Figures**

E-4	British Columbia, areas underlain by major coal-bearing formations . . .	In pocket
E-5	Southeastern British Columbia, coal properties location map	E 262
E-6	Peace River, coal properties location map	E 269

GENERAL REVIEW OF COAL EXPLORATION

By A. H. Matheson

The year 1977 saw an increase of 50 per cent over the previous year in the coal exploration expenditure by private companies, reaching a total of \$19.5 million, despite the continuation of the moratorium in the granting of coal licences. Roughly 90 per cent of this was spent on the Peace River Coalfield. Exploration activity took place to a lesser extent in the Kootenay, Comox, Bowron River, Tulameen, and Hat Creek regions.

Anxiety regarding a possible energy crisis has prompted a renewed interest in coal suited for thermal purposes. At present there is insufficient information for the determination of the quantities of such resources but it is believed that they may amount to 10 to 15 per cent of the total coal resources of British Columbia.

The moratorium was modified to permit the issuance of licences to current licence holders, and to holders of 'freehold' coal rights to acquire, for good reason, coal land adjacent to their current holdings. As a result, 48 new licences were issued in the Telkwa, Comox, and Similkameen Coalfields, covering a total of 8 662 hectares (21,406 acres). Two coal leases were issued in the Kootenay Land District (Fording River area) covering 3 257 hectares (8,050 acres). At the end of the year the total number of licences held was 1 067, covering an area of 243 116 hectares (600,740 acres) and the total number of leases was two, covering 3 257 hectares (8,050 acres).

Fifty-three licences were surrendered during the year, 23 in the Similkameen Coalfield and 30 in the Peace River Coalfield, with a total area of 8 655 hectares (21,386 acres).

Ten properties were worked on in the Peace River Coalfield during 1977. The most intensive operations were carried out on the Sukunka, Quintette, Saxon, and Bullmoose properties. In accordance with the coal guidelines, Denison Mines submitted a prospectus for their Saxon property in October 1977 and BP Exploration submitted a prospectus for their Sukunka property in August 1977 and the Stage I report in March 1977.

In the Elk Valley Coalfield considerable work was done on the Elk River coal property by Elco Mining. The Stage I report was produced in February 1977 and was followed by an addendum in April 1977. Crows Nest Industries produced the Stage II report for their Line Creek property in August 1977.

Norco Resources submitted a prospectus on their property in the Bowron River coal basin in August 1977. Weldwood and Luscar submitted a prospectus on their Quinsam property in the Comox Coalfield in December 1977.

REPORTS ON COAL EXPLORATION

CROWSNEST COALFIELD (Fig. E-5)**SAGE CREEK COAL LIMITED (Fig. E-1, NTS 82, No. 243)**

- LOCATION:** Lat. $49^{\circ} 06'$ Long. $114^{\circ} 34'$ (82G/1, 2)
In the lower Flathead Valley on Cabin Creek, approximately 4 kilometres upstream from its junction with the Flathead River.
- LICENCES:** C.L. Nos. 374 to 407, 409 to 411, 603 to 605, 986 to 989, 1880 to 1886.
- OWNER:** Sage Creek Coal Limited.
- OPERATOR:** RIO TINTO CANADIAN EXPLORATION LIMITED, 120 Adelaide Street West, Toronto, Ontario M5H 1W5.
- DESCRIPTION:** In the Flathead Valley the coal measures of the Kootenay Formation, some 180 metres thick and containing three major mineable seams, occur on the east flank of the northwest-trending anticline. The deposit is split in two, North Hill and South Hill. Normal faulting trending northwest has resulted in the more complex structure of the South Hill deposit.
- WORK DONE:** Ten diamond-drill holes with a total of 1 972 metres were put down and logged with sidewall density, caliper, and gamma ray-neutron instruments.
- REFERENCES:** *B.C. Ministry of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, p. 195; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 210; 1976, pp. E 211, E 213.

**CROWS NEST INDUSTRIES LIMITED (LODGEPOLE — McLATCHIE)
(Fig. E-1, NTS 82, No. 244)**

- LOCATION:** Lat. $49^{\circ} 20'$ Long. $114^{\circ} 42'$ (82G/7)
South of Flathead-McLatchie, situated on the southeastern rim of the Fernie Basin.
- LICENCES:** C.L. Nos. 490 to 495.
- OWNER:** CROWS NEST INDUSTRIES LIMITED, Box 250, Fernie V0B 1M0.
- DESCRIPTION:** A homoclinal sequence of coal measures with a moderate dip to the west and a total thickness of about 400 metres is complicated by thrust faulting.
- WORK DONE:** Some hand trenching and geological and topographical mapping were done.
- REFERENCE:** *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 213.

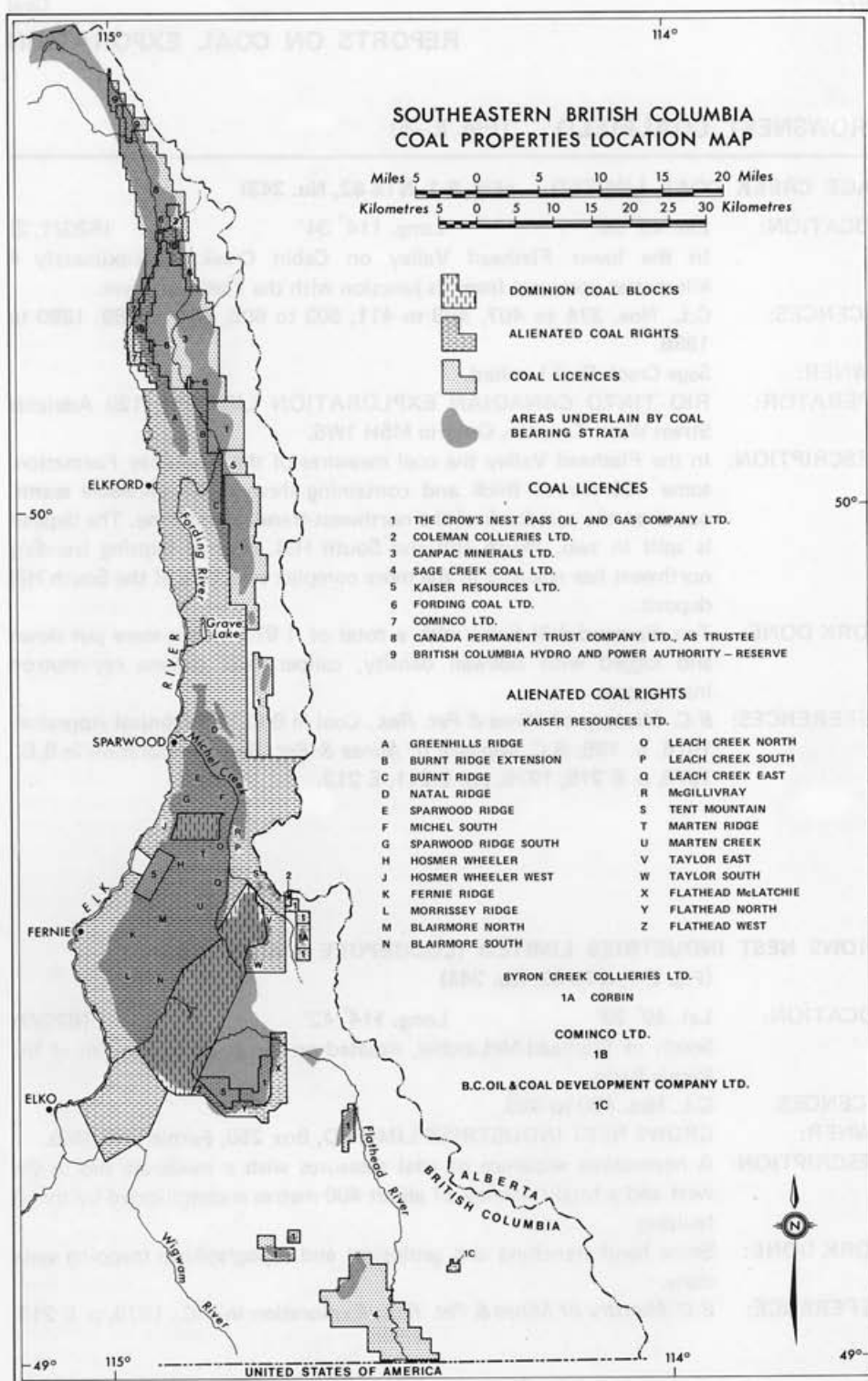


Figure E-5. Southeastern British Columbia, coal properties location map.

KAISER RESOURCES LTD. (TAYLOR MOUNTAIN EAST)

(Fig. E-1, NTS 82, No. 245)

- LOCATION:** Lat. 49° 30' Long. 114° 42' (82G/10)
Adjacent to the northeast sector of the southern Dominion Coal Block.
- LICENCES:** Freehold.
- OWNER:** KAISER RESOURCES LTD., Box 2000, Sparwood.
- DESCRIPTION:** These seams, including the equivalent of the Balmer, occur in the sandstone immediately above the Moose Mountain sandstone contact. The sequence forms part of the northeastern limb of a gentle northwest-southeast anticline occurring in the southern portion of the property.
- WORK DONE:** Fifteen rotary holes were drilled with a total of 1 820 metres. Some gamma ray-neutron and density logs were done. Two development adits were driven totalling 80 metres. Bulk samples were obtained from seams 9 and 10 in adits A and B. Detailed surface mapping was carried out on the west side of the ridge (1:2400).
- REFERENCE:** *B.C. Ministry of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, pp. 184, 185.

COLEMAN COLLIERIES LIMITED (TENT MOUNTAIN)

(Fig. E-1, NTS 82, No. 246)

- LOCATION:** Lat. 49° 33' Long. 114° 41' (82G/10E)
South and east of Tent Mountain adjacent to the British Columbia-Alberta border, 5 kilometres north-northwest of Corbin.
- LICENCES:** C.L. Nos. 21 and 22.
- OWNER:** COLEMAN COLLIERIES LIMITED, Box 640, Coleman, Alta. T0K 0M0.
- DESCRIPTION:** Thrust faulting makes correlation of the coal seams in the Kootenay Formation difficult, but there appears to be five significant coal seams.
- WORK DONE:** Two diamond-drill holes, with a total of 552 metres, were put down. In addition to geological logs, gamma ray-neutron and sidewall density logs were taken. Surface geological mapping was carried out from the south end of Tent Mountain to Corbin road.
- REFERENCES:** *B.C. Ministry of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, p. 180; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 213; 1976, p. E 214.

FORDING COAL LIMITED (FORDING RIVER OPERATIONS)

(Fig. E-1, NTS 82, No. 247)

- LOCATION:** Lat. 50° 12' Long. 114° 52' (82J/2W, 7W)
The property is situated in the upper Fording Valley, approximately 48 kilometres north of Sparwood.
- LICENCES:** C.L. Nos. 314 to 334, 336 to 340, 342 to 344, 348, 353, 355 to 364, 510, 511, 554 to 560 (CanPac Minerals Limited); C.L. Nos. 801 to 804,

- 943, 944, 964 (Fording Coal Limited); C.L. Nos. 539, 541, 543, 545, 547, 549, 551, 553 (Cominco Ltd.).
- OWNERS:** CanPac Minerals Limited, Fording Coal Limited, and Cominco Ltd.
- OPERATOR:** FORDING COAL LIMITED, Box 100, Elkford V0B 1H0.
- DESCRIPTION:** Coal occurs in the Lower Cretaceous Kootenay Formation which is well over 600 metres thick in the area. Two synclines trending north/south occur on either side of the Fording River and are separated by a major fault downthrown on the west.
- WORK DONE:** Seven diamond-drill holes, with a total of 2 150 metres, and 139 rotary holes, with a total of 18 600 metres, were drilled during the year. Gamma ray-neutron or gamma radiation logs were taken over 20 750 metres. Two test adits, with a total length of 70 metres, were excavated and field mapping (1:2400) was done over 550 hectares.
- REFERENCES:** *B.C. Ministry of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, p. 191; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, pp. E 214, E 215; 1976, p. E 215.

ELCO MINING LTD. (ELK RIVER COAL PROPERTY)
(Fig. E-1, NTS 82, No. 248)

- LOCATION:** Lat. 50° 24' Long. 114° 56' (82J/7W)
Elk River area between Aldridge and Cadorna Creeks.
- LICENCES:** C.L. Nos. 64, 65, 421 to 434, 481 to 489, 515, 771 to 779, 951 to 957.
- OWNER:** ELCO MINING LTD., 2800 Scotia Centre, 700 Second Street SW., Calgary, Alta. T2P 2W2.

DESCRIPTION:

Within the confines of Elco's coal licences, the Kootenay Formation is more than 1 000 metres thick and has up to 27 different seam groups. Average thickness of an individual seam split can range up to 9.0 metres while the stratigraphic thickness of a seam group may range up to 49 metres. The basal sand unit of the Kootenay, known locally as the Moose Mountain member, marks the lower boundary of the coal-bearing section. The lowermost seam, Seam No. 1, intermittently occurs within the upper few metres of the basal sandstone, while above, a series of interbedded sandstones, siltstones, mudstones, and coal seams approximately 680 metres thick occur. This series which makes up the main coal-producing section of the Kootenay can be subdivided into two separate sequence of seams, upper and lower. The lower sequence includes Seams Nos. 1 to 11 which have been grouped because of their continuity and consistency throughout the property. Seams Nos. 1 and 5 do present an exception to this nature. The upper sequence includes Seams Nos. 12 to 27 plus the many smaller unnumbered seams even higher in the stratigraphy. These seams, in general, contain several splits and partings, many of which are inconsistent for more than a few hundred metres. The upper series of the Kootenay Formation gradually becomes less sandy, changing mainly to shales, thin coal seams, and several marine bands. The basal Blairmore member, the Cadomin conglomerate, unconformably overlies the Kootenay and bounds the upper limits of the coal-bearing section.

- WORK DONE:** Ninety-seven diamond-drill holes, with a total of 19 137 metres, and 25 rotary/reverse circulation holes, with a total of 4 169 metres, were drilled. All holes were surveyed with gamma ray-neutron, sidewall density, focus beam resistivity, caliper, and deviation survey instruments. Eight trenches were dug over a total length of 1 600 metres. Twenty-three thousand hectares of topography was mapped.
- REFERENCES:** *B.C. Ministry of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, pp. 188, 189; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 215; 1976, pp. E 215, E 216.

KAISER RESOURCES LTD. (MICHEL MINES) (Fig. E-1, NTS 82, No. 249)

- LOCATION:** Lat. 49° 45' Long. 114° 50' (82G/10, 15)
The area lies due south of Natal Ridge and Sparwood Ridge.
- LICENCES:** Freehold.
- OWNER:** KAISER RESOURCES LTD., Box 2000, Sparwood.
- DESCRIPTION:** Apparently the area is underlain by Elk member and Blairmore Group cover rocks, and no details of the underlying coal measures are available.
- WORK DONE:** Twenty diamond-drill holes were put down during 1977 and logged. Five adits were completed and two were still in progress at the end of the year.
- REFERENCE:** *B.C. Ministry of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, pp. 168-187.

KAISER RESOURCES LTD. (GREENHILLS) (Fig. E-1, NTS 82, No. 250)

- LOCATION:** Lat. 50° 07' Long. 114° 53' (82J/2W)
The property is situated on the southern part of a mountainous ridge between the valleys of the Fording and Elk Rivers.
- LICENCES:** Freehold.
- OWNER:** KAISER RESOURCES LTD., Box 2000, Sparwood.
- DESCRIPTION:** The Greenhills area is underlain by a shallow syncline and is separated from the Alexander Creek (Fording) syncline to the east by a regional anticlinal fold that exposes Paleozoic carbonates in its core. The common limits of the Greenhills syncline with this anticline is the locus of the Fording fault, which downthrows the syncline by at least 915 metres. About 671 metres of coal measures are exposed in the Greenhills with 91.5 metres of coal in 23 seams.
- WORK DONE:** Eighteen diamond-drill holes, with a total of 7 287 metres, were sunk. Gamma ray-neutron and density logs were recorded. One development adit was driven 19.7 metres. Geological mapping was carried out to the west of the ridge at a scale of 1:2400.
- REFERENCES:** *B.C. Ministry of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, p. 170; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, pp. 213, 214.

KAISER RESOURCES LTD. (SPARWOOD) (Fig. E-1, NTS 82, No. 251)

- LOCATION:** Lat. 49° 43' Long. 114° 48' (82G/10W)
At the north end of the Fernie basin, separated from Natal Ridge to the north by the valley of Michel Creek.
- LICENCES:** Freehold.
- OWNER:** KAISER RESOURCES LTD., Box 2000, Sparwood.
- DESCRIPTION:** About 600 metres of coal measures occur in a gently folded syncline which forms the northernmost apex of the pear-shaped Fernie Basin.
- WORK DONE:** The drilling consisted of six cored holes with a total depth of 1 927 metres and 21 rotary holes with a sum depth of 1 453 metres. Gamma ray-neutron and density logs were taken as well as directional surveys. Seven adits were developed with a total of 256 metres. The Baldy-Natal Ridge area was mapped at a scale of 1:2400. Seven prospect adits were measured and described. Sparwood operations took in Baldy Ridge, the proposed J pit, Harmer Ridge West, Natal Ridge 10 seam, C, D, and A seams, camp 8 pit, and Sparwood Ridge (Panel 6 development).
- REFERENCE:** *B.C. Ministry of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, pp. 174, 175.

COMOX COALFIELD**WELLINGTON COLLIERY COMPANY LIMITED (Fig. E-1, NTS 92, No. 179)**

- LOCATION:** Lat. 49° 40' Long. 125° 10' (92F/11, 14W)
A strip of land stretching from some 30 kilometres southeast of Courtenay to 50 kilometres northwest of Courtenay.
- LICENCES:** Freehold; C.L. Nos. 3666 to 3685.
- OWNER:** Wellington Colliery Company Limited.
- OPERATORS:** WELDWOOD OF CANADA LIMITED and LUSCAR LTD., c/o 1055 West Hastings Street, Vancouver V6B 3V8.
- DESCRIPTION:** The coal measures occur in the lower third of the Comox Formation of the Upper Cretaceous Nanaimo Group and is contained by faulting and tilting to the northeast with an average dip of 5 to 7 degrees. The coal is high volatile A bituminous according to ASTM classification. The focus of the 1977 exploration was in the northeastern part of the Comox Coalfield, namely the Quinsam area.
- WORK DONE:** One hundred and fifty-seven rotary holes, with a total of 14 325 metres, were drilled on a grid system. Geophysical logs consisted of resistivity, density, and gamma ray. Four trenches were dug with a total length of 268 metres. Some geological mapping was carried out.
- REFERENCES:** *B.C. Ministry of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, pp. 212, 213; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 216.

HAT CREEK COALFIELD

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

(HAT CREEK PROJECT) (Fig. E-1, NTS 92, No. 180)

- LOCATION:** Lat. 50° 45' Long. 121° 36' (92I/12E, 13E)
Twenty-four kilometres west-northwest of Ashcroft.
- LICENCES:** C.L. Nos. 12, 144, 2753 to 2762; Lot 83912E.
- OWNER:** BRITISH COLUMBIA HYDRO AND POWER AUTHORITY, 970 Burrard Street, Vancouver V6E 1Y3.
- DESCRIPTION:** A large deposit of low-ranking coal occurs in the Coldwater Formation in the Tertiary Hat Creek basin. In general the structure is a fairly simple north/south elongated basin. The central zone of the valley, underlain mainly by coal and sedimentary formations, has been downdropped, forming a graben. In the north is the proposed No. 1 open pit. The No. 2 open pit lies in the north and will be the larger of the two.
- WORK DONE:** Forty-nine diamond-drill holes were drilled with a total depth of 13 000 metres. Gamma ray, density, and focused beam logs were recorded. Two trenches were dug: A, 275 metres and B, 13 130 metres. Thirty-two kilometres of geological mapping was done.
- REFERENCES:** *B.C. Ministry of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, p. 218; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, pp. E 217, E 219; 1976, pp. E 216, E 217.

SIMILKAMEEN COALFIELD

IMPERIAL METALS AND POWER LTD. (TULAMEEN COAL)

(Fig. E-1, NTS 92, No. 181)

- LOCATION:** Lat. 49° 30' Long. 120° 45' (92H/7, 10)
In the Tulameen Basin.
- LICENCES:** C.L. Nos. 69 to 71, 125, 126, 145 to 147, 154, 158, 159, 3663 to 3665.
- OWNER:** Imperial Metals and Power Ltd.
- OPERATOR:** CYPRUS ANVIL MINING CORPORATION, 330, 355 Burrard Street, Vancouver.
- DESCRIPTION:** The coal-bearing formation overlies massive Tertiary andesites in the north and rocks of the Nicola Group in the south. The basin is oval in shape, elongated along the axis of a syncline running northwest/southeast. The northeastern limb has steeper dips (40 to 65 degrees) than the southwestern limb (20 to 25 degrees). An erosional remnant of a fine-grained basalt lies unconformably on the coal measures over much of the southeastern half of the basin. The coal is a high volatile C bituminous according to the ASTM classification.

1977

Coal

- WORK DONE:** Twelve diamond-drill holes with a total of 1 481 metres. The holes were logged by gamma ray, neutron, LS density, and HR density implements. Five trenches were dug with a total of 822 metres. One pit was excavated for bulk sampling. The geology and topography of 2 396 hectares were mapped. In addition, linecutting and induced polarization surveys were carried out.
- REFERENCE:** *B.C. Ministry of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, pp. 220, 221.

BOWRON RIVER COALFIELD

NORCO RESOURCES LTD. (BOWRON RIVER DEPOSIT)

(Fig. E-1, NTS 93, No. 68)

- LOCATION:** Lat. 53° 50' Long. 121° 55' (93H/13W)
Approximately 45 kilometres east of Prince George.
- LICENCES:** C.L. Nos. 148, 162, 163.
- OWNER:** NORCO RESOURCES LTD., 2050, 200 Granville Street, Vancouver V6C 1S4.
- DESCRIPTION:** The Bowron River coal deposits occur in the basal unit of Tertiary sediments consisting of shale, sandstone, and conglomerate. The sediments were deposited in a graben-formed basin, unconformably overlying tuffs and volcanic rocks of the Mississippian Slide Mountain Group. The depositional environment of the basal unit was a quiet shallow inland lake, contained over the full extent of the basin. Three continuous seams of coal have been interpreted from drill results completed to date, suggesting that extensive swamp conditions prevailed over most portions of the basin in at least three periods of time. The trough runs northwest/southeast and the beds have a moderate dip to the northeast. The coal is high volatile B bituminous.
- WORK DONE:** Twenty-five diamond-drill holes totalling 5 703 metres were sunk and the core logged.
- REFERENCE:** *B.C. Ministry of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, pp. 216, 217.

PEACE RIVER COALFIELD (Fig. E-6)

DENISON MINES LIMITED (SAXON PROJECT) (Fig. E-1, NTS 93, No. 69)

- LOCATION:** Lat. 54° 20' Long. 120° 10' (93I/8)
In the Rocky Mountain Foothills, from Belcourt Creek to the British Columbia-Alberta boundary.
- LICENCES:** C.L. Nos. 2763 to 2812.
- OWNER:** Saxon Coal Limited.

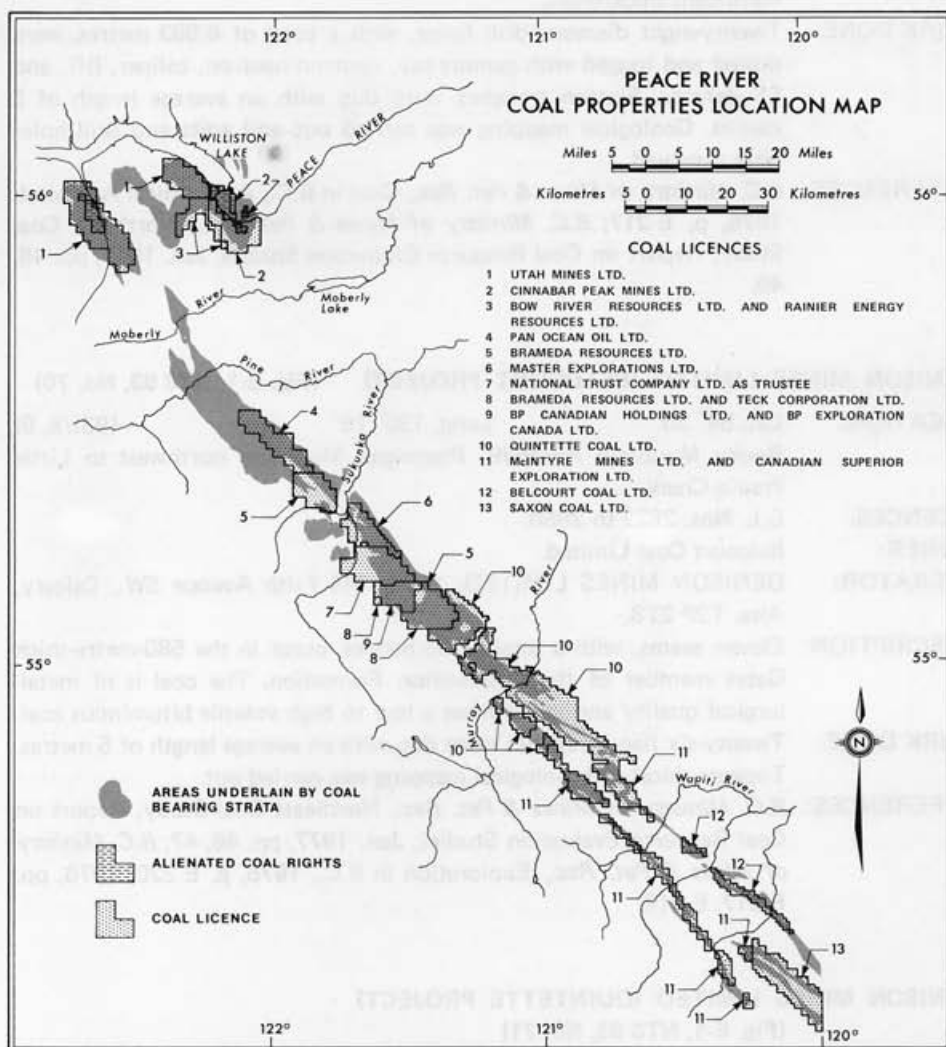


Figure E-6. Peace River, coal properties location map.

- OPERATOR:** DENISON MINES LIMITED, 1500, 444 Fifth Avenue SW., Calgary, Alta. T2P 2T8.
- DESCRIPTION:** There are five seams of economic significance in the Gates member of the Commotion Formation, totalling about 18 metres over a thickness of 365 metres. The Gething Formation is thin and contains no seams of significant thicknesses.
- WORK DONE:** Twenty-eight diamond-drill holes, with a total of 6 993 metres, were drilled and logged with gamma ray, neutron-neutron, caliper, BR, and LS density. Sixteen trenches were dug with an average length of 5 metres. Geological mapping was carried out and adits and drill holes were surveyed.
- REFERENCES:** *B.C. Ministry of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, p. E 217; *B.C. Ministry of Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resource Evaluation Studies, Jan. 1977, pp. 48, 49.

DENISON MINES LIMITED (BELCOURT PROJECT) (Fig. E-1, NTS 93, No. 70)

- LOCATION:** Lat. 54° 30' Long. 120° 15' (93I/8, 9)
Rocky Mountain Foothills, Ptarmigan Mountain northwest to Little Prairie Creek.
- LICENCES:** C.L. Nos. 2822 to 2850.
- OWNER:** Belcourt Coal Limited.
- OPERATOR:** DENISON MINES LIMITED, 1500, 444 Fifth Avenue SW., Calgary, Alta. T2P 2T8.
- DESCRIPTION:** Eleven seams, with a total of 36 metres, occur in the 580-metre-thick Gates member of the Commotion Formation. The coal is of metallurgical quality and varies from a low to high volatile bituminous coal.
- WORK DONE:** Twenty-six hand trenches were dug with an average length of 5 metres. Topographical and geological mapping was carried out.
- REFERENCES:** *B.C. Ministry of Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resource Evaluation Studies, Jan. 1977, pp. 46, 47; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 220; 1976, pp. E 217, E 218.

DENISON MINES LIMITED (QUINTETTE PROJECT)

(Fig. E-1, NTS 93, No. 71)

- LOCATION:** Lat. 55° 00' Long. 121° 00' (93I/14, 15; 93P/3)
Approximately 110 kilometres southwest of Dawson Creek, along the foothills between Bullmoose and Kinuseo Creeks.
- LICENCES:** C.L. Nos. 3279 to 3406, 3592 to 3606, 3618 to 3633, 3656 to 3662.
- OWNER:** Quintette Coal Limited.
- OPERATOR:** DENISON MINES LIMITED, 1500, 444 Fifth Avenue SW., Calgary, Alta. T2P 2T8.

- DESCRIPTION:** The Lower Cretaceous coal-bearing formations, the Gething and the Commotion, are bounded by large thrust faults on the northeast and the southwest, between which the structure consists of broad synclines and sharp anticlines.
- WORK DONE:** Thirty-two diamond-drill holes, with a total length of 7 847 metres, were drilled and surveyed by gamma ray, BR and LS density, neutron-neutron, caliper, and sperry seam test. Four adits were excavated and sampled. Three old adits were resampled. Babcock Mountain, Sheriff, and Frame were mapped topographically. Babcock Mountain and Frame were mapped geologically.
- REFERENCES:** *B.C. Ministry of Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resource Evaluation Studies, Jan. 1977, pp. 37-42; *B.C. Ministry of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, pp. 164-167; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 219.

BRAMEDA – NICHIMEN (MOUNT SPIEKER) (Fig. E-1, NTS 93, No. 72)

- LOCATION:** Lat. 55° 08' Long. 121° 28' (93P/3)
Approximately 65 kilometres south of Chetwynd, from Mount Spieker south to the headwaters of Perry Creek.
- LICENCES:** C.L. Nos. 3034, 3039, 3044 to 3047, 3049 to 3501.
- OWNER:** Brameda Resources Ltd.
- OPERATOR:** NICHIMEN RESOURCES LIMITED, 2020, 1055 West Georgia Street, Vancouver.
- DESCRIPTION:** The area is underlain by the Gething Formation and the Gates member of the Commotion Formation. The strata have undergone a moderate amount of deformation. The southwest portion is folded into a broad northwest-trending syncline. The northeast portion is separated from the southwest by a local anticlinal structure though the angles of dip do not exceed 10 degrees. Coal occurs in both the Gates member of the Commotion Formation and the Gething Formation, though the coal seams are much better developed in the former. It is believed that four distinct seams occur with an average total thickness of 12 metres. Individual seams up to 5.1 metres in thickness have been recorded.
- WORK DONE:** Nine diamond-drill holes, with a total of 1 700 metres, were put down and geophysical logs taken. Two trenches were dug totalling 180 metres. Regional geological mapping was carried out as well as detailed mapping in the southeast and central portions of the property.
- REFERENCES:** *B.C. Ministry of Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resource Evaluation Studies, Jan. 1977, pp. 35, 36; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 224; 1976, p. E 221.

TECK CORPORATION LTD. (BULLMOOSE) (Fig. E-1, NTS 93, No. 73)

- LOCATION:** Lat. 55° 08' Long. 121° 31' (93P/3, 4)
Approximately 60 kilometres south of Chetwynd.
- LICENCES:** C.L. Nos. 3022-3024, 3029, 3033, 3038, 3043, 3048, 3558.
- OWNERS:** Brameda Resources Ltd. and Teck Corporation Ltd.
- OPERATOR:** TECK CORPORATION LTD., 1199 West Hastings Street, Vancouver.
- DESCRIPTION:** A broad relatively shallow northwest-trending syncline occupies essentially all of the Bullmoose property. The western limb in the northern part of the property is the eastern limb of the anticline on the Chamberlain property. Within the Gething Formation both the Bird and Chamberlain seam occur as well-developed coal intervals. The Bird has three splits with a total thickness of 11 metres including 4 metres of shale and the Chamberlain as exposed at surface is 2.0 to 2.5 metres thick.
- WORK DONE:** Thirty-six diamond-drill holes were put down with a total depth of 3 310 metres and logged by gamma ray, density, and caliper instruments. Seventy-one trenches, with an average length of 7 metres, were dug. Six adits were driven with a total of 260 metres. Detailed surface mapping was carried out.
- REFERENCES:** *B.C. Ministry of Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resource Evaluation Studies, Jan. 1977, pp. 31-34; *B.C. Ministry of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, pp. 204, 205; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 221.

BP EXPLORATION CANADA LIMITED (SUKUNKA PROPERTY)

(Fig. E-1, NTS 93, No. 74)

- LOCATION:** Lat. 55° 10' Long. 121° 38' (93P/4E)
Sukunka River area, 58 kilometres south of Chetwynd, on the west slope of Bullmoose Mountain.
- LICENCES:** C.L. Nos. 3089 to 3129.
- OWNER:** National Trust Company Limited.
- OPERATOR:** BP EXPLORATION CANADA LIMITED, 335 Eighth Avenue SW., Calgary, Alta.
- DESCRIPTION:** As the Gates only contains seams less than 1.5 metres, exploration has been concentrated on the Gething Formation (240 metres thick) where there are eight known coal seams, half of which are in the lower 45 metres of the formation. The two major seams are the Chamberlain and the Skeeter which lie in the upper half of the Gething. The Gething strata lie within a broad syncline bordered on the northeast by the Bullmoose fault complex. Two major thrust faults have dislocated the strata into three blocks.

WORK DONE: Forty-one diamond-drill holes, with a total of 16 000 metres, were drilled and surveyed by gamma ray, SLS, HRD, and BRD density, caliper, and sonic instruments and directional surveys were carried out for some holes.

REFERENCES: *B.C. Ministry of Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resources Evaluation Studies, Jan. 1977, pp. 26-30; *B.C. Ministry of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, pp. 162, 163; *B.C. Ministry of Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 226.

TECK CORPORATION LTD. (BURNT RIVER PROJECT)

(Fig. E-1, NTS 93, No. 75)

LOCATION: Lat. 55° 20' Long. 121° 50' (93P/5W)
On Burnt and North Burnt Rivers, 9 kilometres west of the Sukunka River.

LICENCES: C.L. Nos. 3061 to 3088.

OWNER: Brameda Resources Ltd.

OPERATOR: TECK CORPORATION LTD., 1199 West Hastings Street, Vancouver.

DESCRIPTION: The coal seams, some of appreciable thickness, occur in the Gething Formation. The main structural feature is a series of northwesterly trending folds, slightly asymmetrical with axial planes steeply dipping southwest. In the northeastern and eastern portions of the property, the strata are tightly folded whereas in the southwestern half of the property a broader syncline extends in a northwesterly direction. There faults are known to occur with appreciable displacements.

WORK DONE: Four diamond-drill holes were sunk with a total length of 583.5 metres. Some detailed surface geological mapping was carried out.

REFERENCE: *B.C. Ministry of Mines & Pet. Res.*, GEM, 1971, pp. 498, 499.

BRI COAL MINING LTD. (DOWLING CREEK) (Fig. E-1, NTS 93, No. 76)

LOCATION: Lat. 55° 55' Long. 122° 15' (93O/16)
The property is located some 5 kilometres southwest of the Bennett Dam.

LICENCES: C.L. Nos. 3634 to 3654.

OWNERS: Bow River Resources Ltd. and Rainier Energy Resources Inc.

OPERATOR: BRI COAL MINING LTD., Box 563, Chetwynd.

DESCRIPTION: The coal-bearing Lower Cretaceous Gething Formation, attaining a thickness of 475 metres along the southwest flank of the Peace River, forms the east limb of a northerly trending syncline. The western portion of the property is underlain mainly by the west limb of the syncline which dips southeasterly at 10 to 20 degrees. The Trojan seam occurs approximately 30 metres below the contact with the overlying Moosebar Formation and attains a thickness of about 2.5 metres with a variable number of sandstone partings present.

1977

Coal

WORK DONE: Eight diamond-drill holes, with a total of 522 metres, were drilled and the core logged. Two trenches were dug with a total of 300 metres, and geological mapping was carried out over the northern licences.

REFERENCE: *B.C. Ministry of Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resource Evaluation Studies, Jan. 1977, pp. 19, 20.

UTAH MINES LTD. (EAST MOUNT GETHING PROJECT)
(Fig. E-1, NTS 94, No. 29)

LOCATION: Lat. 56° 03' Long. 122° 20' (94B/1W)
Situated on the east flank of Mount Gething, between Gaylord Creek and Lake Williston.

LICENCES: C.L. Nos. 3506 to 3529.

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

DESCRIPTION: The East Mount Gething property occupies part of the gently dipping western flank of the asymmetrical Dunlevy syncline. The coal measures occur in the Gething Formation believed to attain thicknesses of 485 to 550 metres.

WORK DONE: Four diamond-drill holes were drilled with a total of 1 310 metres. The holes were logged with natural gamma and bulk density instruments. Geological mapping was carried out as well.

REFERENCE: *B.C. Ministry of Mines & Pet. Res.*, GEM, 1973, p. 588.

INDEX

	Page		Page
A			
A, 82L/7E	E 81	Adola Mining Corporation,	
A, 82L/10E	E 82	JUNE (JADE), 92E/9E	E 108
A, 82M/4E	E 90	Afton Mines Ltd.,	
A, 92F/2W	E 110, E 111	BONUS, 92I/10E	E 158
A, 92H/8W	E 127	CASEY, 92I/9W	E 156
A, 92I/2E	E 138, E 139	KAREN (DM), 92I/9W	E 154
A, 92I/9W	E 150	NED, 92I/10E	E 157
A, 93F/6E	E 185, E 186	Ager, C. A.	E 203
A, 93L/14W	E 198	Agnes & Jennie Mining Co. Ltd., The,	
A, 104G/6E, 7W	E 224	GABLE, 82E/7E	E 27
A, 104I, 7E, asbestos	E 248	JENNIE, 104P/4E	E 245
AA, 194P/4E	E 245	JOY, 82E/9W	E 29
A&E, 82M/1E	E 86	AJAX, 82K/11W	E 69
Aaron Mining Ltd.,		AKO, 93F/7E	E 186
ARANY, EMILE (RYE)		AL, 82L/13E	E 83
92H/5W	E 123	ALABAMA, 92H/7E, 8W	E 126
STROMBERG (SEEL),		ALABAMA, 92I/14W	E 162, E 163
92F/9W	E 112	ALAMO, 92I/7W	E 144
AB, 82E/2W	E 19	Alberni map sheet, 92F	E 109
Abaca Resource Industries Inc.,		Alberni Mines Ltd.,	
IT, 92J/3E	E 166	RIVERSIDE, 82E/2W	E 17
Abacus Industries Ltd.,		ALBERTA, 92F/9E	E 112
ALLENBY TAILINGS, 92H/7E ..	E 126	Alcum Mining Ltd.,	
ABC, 92G/10W	E 118	VVB, 92I/11E	E 159
ABO, 92H/7E	E 126	Alert Bay map sheet, 92L	E 173
Abrosimo, John D.	E 131	ALFIE, 94C/2W	E 211
Acacia Mineral Development		ALFY, 82L/4W	E 79, E 80
Corporation Ltd.,		ALI, 82M/9W	E 97, E 98
VENETIAN, 92G/14E;		ALL, 92I/6E	E 142, E 143
92J/3E	E 120, E 121	All Star Resources Ltd.,	
AC, 82F/4W	E 44	LL, 92I/6E	E 142, E 143
ACE, 82F/3E	E 43	Allen, Ralph	E 52
ACE, 82K/1E	E 62	ALLENBY TAILINGS, 92H/7E	E 126
ACE, 92H/10E	E 130	ALICE, 82F/3E	E 41
ACE, 92I/9W	E 151	ALMO, 104B/1E	E 221, E 222
ACE, 92J/15W	E 170	ALTO, 82E/9W	E 29
Active Management Ltd.,		AM, 92I/7W, 6E	E 145
BLUE LITE, 104O/9W	E 242	AM, 93F/14E	E 186
ADAIR, 104P/3E	E 244	Amax Potash Limited,	
Adams, George	E 94	LOGTUNG (LOGJAM CREEK),	
Adams, Harold J.	E 131	104O/13E	E 243
Adams, Les	E 94	PIPE, 92H/11W	E 134
Adamson, J. S.	E 254	VAN, 92N/5	E 175
Adamson, R. S.		AMAZON, 92I/14W	E 162, E 163
E 15, E 18, E 19, E 73, E 74		AMCO, 82F/3E	E 41
ADANAC, 104N/11W	E 240, E 241	Amendolagine, Emanuel	E 45
Adanac Mining and Exploration Ltd.,		AMERICAN BOY, 93M/5E	E 200
ADANAC (ADERA),		Amoco Canada Petroleum Company Ltd.,	
104N/11W	E 240, E 241	ATAN, 104P/1E	E 244
ADD, 92P/9W	E 177	LON, 104P/7E	E 246
ADERA, 104N/11W	E 240, E 241	TAN, 104P/1E	E 243, E 244
ADMIRAL DEWEY, 92I/9W	E 151	TERRACE, 82L/4E	E 78
ADOLA, 92E/9E	E 108	WENDY, 94L/13W	E 220

	Page
AMOR, 92G/10W	E 118
Amore Minerals Inc.,	
CUBA, 82K/2W	E 62, E 63
SUNBURST, 82F/5W	E 45
AMY A, 104B/1E	E 221, E 222
AND, 92I/9W	E 150
Anderson, Orin	E 237
ANDREA, 104I/1W	E 230, E 231
ANEX, 82K/12E	E 69, E 70
ANGIE, 94C/2W	E 211
Anglo Bomarc Mines Ltd.,	
SMOKE, 93N/11W	E 202
ANKOBRA, 92I/14W	E 162, E 163
ANN, 82E/1E	E 12
ANN, 92F/10E, 15E	E 113, E 114
ANN, 92I/6E	E 143
ANN, 92I/7W	E 146
ANN, 92I/7W, 6E	E 145
ANN, 92J/3E	E 166, E 167
ANN, 104G/4E	E 223, E 224
ANNETTE, 103I/9W	E 208
ANNETTE 55, 82K/10E	E 68
ANNIE D, 93L/15W	E 199
ANT, 103F/8W	E 205
ANTELOPE, 82E/9W	E 29
ANY, 93K/3E	E 189
APEX, 93L/8W	E 194
APPLE, 104K/8E	E 237
APRIL, 82E/2E	E 14
APRIL, 82E/2E	E 14, E 15
AQUARIUS, 104H/12W	E 227
Aquarius Resources Ltd.,	
JOHN BULL, FLORENCE,	
92F/15E	E 116
WAR, 92G/12W	E 119
Aquitaine Company of Canada Ltd.,	
GRIT, 92P/16W	E 178
HAGAS, 93L/3E	E 192
WL, 94B/4E, 5E	E 210
AR, 82M/4	E 88
ARANY, 92H/5W	E 123
Argatoff, George	E 45
ARGONAUT, 92F/13E, <i>see</i>	
IRON HILL, MOORE	E 114
ARKANSAS, 92I/14W	E 162, E 163
ARKOSE, 82L/2W	E 74
ARIES, 104H/12W	E 227
ARIZONA, 92J/15W	E 168, E 169
ARMES, 92J/9E; 92I/12W	E 167
ARROW, 82F/6W	E 45
ARROW, 93L/15W	E 199
ARROW TUNGSTEN, 82F/6	E 45, E 46
ARROWHEAD, 82E/2E	E 14
ART, 82J/13E,	
magnetite	E 252
AS, 104G/4E	E 223, E 224

	Page
Asarco Exploration Company of Canada, Limited,	
CHU, 93F/7E	E 186
FED, 93L/10E	E 196
IRK, 93L/2E	E 190
OX LAKE, 93E/11E	E 183, E 184
SUMMIT, 93L/10	E 195
Asarco Incorporated,	
FED, 93L/10E	E 196
asbestos	E 248
ASH, 92G/14W	E 120
ASH, 92H/1W	E 121, E 122
Ashcroft map sheet, 92I	E 138
Ashlu Gold Mines Ltd.,	
ASHLU, 92G/14W	E 120
ASPEN, 93L/2W; 93E/15W	E 191
ASPIN, 92J/9E; 92I/12W	E 167
ASSINIBOINE, 92I/14E	E 162, E 163
ASTRO, 82E/4, 5	E 23
AT, 82E/10W	E 31
AT, 92H/10E	E 130
AT, 104N/11W	E 240, E 241
ATAN, 104P/1E	E 244
ATAN, 104P/3E	E 244
ATARBOO, 92I/14W	E 162, E 163
ATHABASKA, 92I/14E	E 162, E 163
ATHELSTAN, 82E/9W	E 29
ATLANATA, 82F/6	E 45, E 46
ATLAS, 82K/15W	E 71, E 72
Atlin map sheet, 104N	E 238
ATRATO, 92I/14W	E 162, E 163
AU, 82L/6W	E 80, E 81
AUDRA, 92L/9W	E 154, E 155
AUGUST, 104P/3E	E 244
AUGUST, 104O/5E	E 242
AURUM, 92H/11W	E 131-E 133
AUTUMN, 82E/15W	E 38
AVOCA, 92I/14W	E 162, E 163
AVON, 92I/14W	E 162, E 163
AW, 92I/6E, <i>see</i> LOREX	E 143
AWARD, 92I/6E, <i>see</i> LOREX	E 143
AWSIUKIEWICZ, 92I/7W, 6E	E 145
AX, 82E/9W	E 29
AX, 92H/4W	E 122
AXEDENTAL, 92I/2E	E 138
AXIM, 92I/14W	E 162, E 163
AXL 1, 82M/4E	E 89
AXL 2, 82M/4E	E 89, E 90
AXL 3, 82M/4E	E 88
AZELA, 92I/8W	E 148, E 149

B

B, 92F/2W	E 110, E 111
B, 92H/8W	E 127
B, 92I/14E	E 162, E 163
B, 93F/6E	E 185, E 186

	Page
B, 92F/10E, 15E	E 113, E 114
B, 104I/7E, asbestos	E 248
B&V, 82G/5W	E 57
BABE, 103F/9E	E 206
Babiy, A.	E 245
Babkirk, Walter	E 114, E 120
BALDWIN, 82K/3E	E 63, E 64
BALSOM, 104F/16E	E 223
BAND, A.	E 126
BANK, 92B/12W	E 103
BANK, 103G/8E	E 206, E 207
BANANNA, 104B/1E	E 221, E 222
BANSHEE, 94E/13E	E 217
BAR, 93L/8W, 9W	E 194, E 195
BAR CROSS, 104B/1E	E 221, E 222
BAR SILVER, 104B/1E	E 221, E 222
BARABAJACKAL, 82J/13E, magnesite	E 252
barite	E 248
Barker Resources Ltd., EUPHRATES, 82F/6E	E 46, E 47
Barley, H.	E 124
BARNESLEY, 92I/10W, 11E	E 158, E 159
Barrier Reef Resources Ltd., GRIT, 92P/16W	E 178
Barriere Explorations Ltd., SILVER LAKE, 93L/14W	E 198
BAS, 82E/15E	E 40
BASALT, 82E/14E	E 37
BASE METAL, 93A/14W	E 182, E 183
BASIC, 92F/10E, 15E	E 113, E 114
BASIN, 82E/15W	E 39
BAY, 104N/11W	E 240, E 241
Baymag Mines Co. Limited, ROK (MAG), 82J/13E, magnesite	E 252
BB, 104G/6E, 7W	E 224
BB, 104P/4E	E 245
BC, 82E/3E, 6E	E 21
BC, 82M/3W, 4E	E 87
BD, 82E/3E	E 21
BE, 104G/7W	E 224, E 225
BEAR, 82L/4W	E 79, E 80
BEAR, 82M/5E	E 93
BEAR, 92I/6E	E 143
BEAR, 104A/4W	E 221
Beaupre, Robert	E 103, E 249
BEAVER, 82E/10W	E 32
BEC, 92F/5E	E 111
Bechtel, R.	E 16, E 20, E 27, E 31, E 40
BEE, 92L/11W	E 174
BEE, 93L/14W	E 198
BEG, 94C/3W	E 212, E 213
Belcourt Coal Limited, Belcourt Project, 93I/8, 9	E 270
BELL, 104I/7E, asbestos	E 248

	Page
BELL MOLY, 103P/6W	E 209
BELLE, 92B/13W	E 104
BEM, 92H/7E, 8W	E 126
BEN, 82E/1W	E 12, E 13
BEN, 92F/7E	E 112
BEN, 104O/5E	E 242
BEN HUR, 92I/9W	E 152
BENARD, 92H/7E, 8W, <i>see</i> COPPER MOUNTAIN	E 126
BEND, 82M/10E	E 99
Benn Explorations Ltd., RHODES (KING), 92J/16E	E 171
beryl	E 249
BES, 92F/5E	E 111
Best, Mark D.	E 54, E 58
BET, 92I/7W	E 147
BETA, 82E/14W	E 36
Bethlehem Copper Corporation, A, 92F/2W	E 110, E 111
BET, 92I/7W	E 147
BURR (PYRITE), 92I/14E	E 163
C, 93E/14E	E 184
JAS, 92I/7E	E 148
JERSEY PIT AREA, 92I/7W	E 147
L, 92I/14W	E 162
MAGGIE, 92I/14E	E 162, E 163
MAN, 92I/11W	E 161, E 162
SHEBA, 92I/7W	E 146
SPUD LAKE, 92I/7W	E 147
STUD, 92I/11E	E 159, E 160
Betina Resources Inc., CHATKO (LK), 92I/2E	E 138
BETTY, 92I/2W	E 140
BETTY, 94C/3W	E 212
BETTY LOU, 92I/2W	E 140
BEVELEY, 94C/3E	E 212
BEVERLY, 82E/10W	E 31, E 32
BF, 92H/5W	E 124
Bianca Resources Limited, HUMMING BIRD, 82E/1W ..	E 13, E 14
BIG, 104A/4W	E 221
BIG BEN, 92L/2W	E 173
BIG DULUTH, 82F/3E	E 41
BIG DUTCHMAN, 92H/15E	E 136
BIG GULCH, 104A/4W	E 221
BIG J, 82L/14E	E 85
BIG KID, 92H/15E	E 136
BIG M, 82K/13W	E 70, E 71
BIG ONION, 93L/15W	E 198, E 199
BIG R, 82K/13W	E 70, E 71
BIG RED, 104F/16E	E 223
BIG SHOWING, 104B/9	E 223
BIG SIOUX, 92H/15E	E 136
BIG SLIDE, 104A/4W	E 221
BIGFOOT, 92H/5W	E 124
BILL, 82E/14W	E 36

	Page		Page
BILL, 82J/13E, magnesite	E 252	BOUNTY, 82F/10W	E 50
BILL, 104I/7E, asbestos	E 248	BOURBON, 82K/3E	E 63, E 64
BILLY, 82M/4E	E 91	Bow River Resources Ltd.,	
BILLY GOAT, 104G/9E	E 225, E 226	Dowling Creek, 93O/16,	
BIRD, 94D/16W	E 216	coal	E 273, E 274
BIRD, 104G/6E, 7W	E 224	Bowron River Coalfield	E 268
Bishop Mines Ltd.,		Bowron River, coal, 93H/13W	E 268
ANGIE, 94C/2W	E 211	Bowser Lake map sheet, 104A	E 221
ROBYN, 92H/5W	E 123, E 124	BOYD, 82K/14W	E 71
BIT, 104P/4E	E 245	Boylan, M. V.	E 172
BJ, 93A/12E	E 181	BP Exploration Canada Limited,	
BLACK BEAR, 92M/8	E 94, E 95	Sukunka Property, 93P/4E,	
BLACK BEAUTY, 92I/9W	E 151	coal	E 272, E 273
BLACK EAGLE, 82K/11W	E 69	BP Minerals Limited,	
BLACK JACK, 82M/7W	E 93	BETTY, 94C/3W	E 212
BLAIN, 93E/15W	E 185	BIRD, 94D/16W	E 216
BLAZE, 92B/12W	E 103	BM, BD, 82E/3E	E 21
BLIZZARD, 82E/10W	E 31, E 32	NIK, 94D/9E	E 215
BLUE, 92H/15E, jade	E 251	SALAL, 92J/14W	E 168
BLUE, 104I/9W, 16W	E 234	SHRED, 94D/9W	E 215
BLUE BIRD, 82F/14E	E 51	SOUP, 94D/8E	E 214
BLUE GROUSE, 92C/16E	E 107, E 108	VEGA, DAVE,	
BLUE JAY, 82K/12E	E 69, E 70	94C/3W	E 212, E 213
BLUE LITE, 104O/9W	E 242	BR, 82L/13E	E 83
BLUEBIRD, 92I/8W	E 148, E 149	BRACEBRIDGE,	
BLUEJAY, 92H/15E	E 136, E 137	82F/16W, 15E, 10E	E 53, E 54
BLUELITE, 104N/9W	E 242	BRAD, 104I/3W, 4E	E 232
BM, 82E/3E	E 21	Bradford, T. W.	E 48
BM, 82L/14	E 84	Brameda Resources Ltd.,	
BMG, 82J/13E, magnesite	E 252	Bullmoose, 93P/3, 4,	
BO, 92I/2E, see CHATKO	E 138	coal	E 272
BOB, 82K/11W	E 69	Burnt River Project,	
BOB, 92I/5W	E 141	93P/5W, coal	E 273
BOB, 92L/7	E 173	Mount Spieker, 93P/3,	
BOB, 92P/9W	E 177	coal	E 271
BOB, 103G/8E	E 206, E 207	BRENTON, 92B/13W	E 104, E 105
BOB, 104I/7E, asbestos	E 248	Bri Coal Mining Ltd.,	
BODINE, 93N/12W	E 203	Dowling Creek, 93O/16,	
Boitard, Charles		coal	E 273, E 274
	E 27, E 103, E 148, E 157	BRIAN, 92I/8W	E 148, E 149
BOLIVAR, 92F/15E	E 115, E 116	Brican Resources Ltd.,	
BON, 93A/14W	E 182, E 183	SCOTCH, 82L/13E, 14W	E 83, E 84
BONACCI, 92H/9W	E 129, E 130	BRIGHT STAR, 82L/10E	E 82
BONANZA, 92H/5W	E 122, E 123	BRIN A, 94G/4	E 217, E 218
BONANZA, 104H/12E, 13E	E 227, E 228	BRIN B, 94G/4	E 217, E 218
Bonaparte River map sheet, 92P	E 176	BRITISH COLUMBIA, 92F/9E	E 112
BONNIE JEAN, 92I/9W	E 154, E 155	British Columbia Hydro and Power	
BONUS, 92I/10E	E 158	Authority,	
BOOMERANG, 82E/3E, 6E	E 21	Hat Creek Project, 92I/12E, 13E,	
BOOSTER, 82K/3E	E 63, E 64	coal	E 267
BOOT, 104N/10W	E 239	British Newfoundland Exploration	
BOOZE, 93A/14W	E 182, E 183	Limited,	
BORNITE, 93L/8W, 9W	E 194, E 195	CLARK, 82E/5W	E 26
BOSWORTH FIELD,		FAULDER, 82E/12	E 34, E 35
104H/13W	E 228, E 229	FORD, 92I/9W	E 152
Bot, John	E 193	LOG, HILLTOP,	
BOULDER NEST, 92F/10E	E 113	92I/10E, 15E	E 158

	Page
British Newfoundland Exploration Limited (<i>continued</i>),	
OLALLA, 82E/5W	E 24
POCO, 94B/3W	E 210
POLVO, 82E/4E	E 22
R, 82E/4E	E 22
TOLL (BERTHA),	
94G/4	E 217, E 218
VICARS, 92I/9E	E 150
BRO, 93L/16W	E 199, E 200
BROATCH, 92H/15E	E 136
BROKEN HILL, 82K/8W	E 66
Brooks, Stan	E 189
BRUIN, 104I/1W	E 230, E 231
BRX, 92J/15W	E 168, E 169
BS, 82E/15E	E 40
BS, 82K/6E	E 65
BTU, 92H/8W	E 128
BU, 82M/4W	E 92
BUD, 92L/12W	E 175
BUD, 104G/6E, 7W	E 224
building stone	E 249
BULL II, 82E/1W	E 12, E 13
BULLION, 82M/12W	E 100
Bullmoose, 93P/3, 4, coal	E 272
BURN, 93G/15E	E 187
Burns, John S.	E 177
Burnt River Project,	
93P/5W, coal	E 273
BURR, 92I/14E	E 163
Bute Inlet map sheet, 92K	E 171
BUTLER, 92K/8W	E 66
BUTTE, 82M/8	E 94, E 95
BUTTE, 93L/14W	E 198
BWINABY, 82E/5W	E 25, E 26
BY, 94L/1E	E 219
BYR, 92I/9W	E 151
BZT, 92N/5	E 175

C

C, 92F/2W	E 110, E 111
C, 92H/5W	E 122, E 123
C, 92H/8W	E 127
C, 93E/14E	E 184
C, 93F/6E	E 185, E 186
CA, 82E/11E, 6E	E 33, E 34
C.A. Ager & Associates,	
VERNON, 93N/15W	E 203
CABIN, 82G/2E,	
phosphate	E 253, E 254
CABIN, 92H/11W	E 131-E 133
CABIN, 93F/14E	E 186
CALEDONIA, 82E/2E	E 14, E 15
CALIFORNIA, 92J/15W	E 168, E 169
CAM, 82E/10W	E 30
CAMERON, 82J/5W	E 61

CAMERON, 92F/10E	E 113
CAMP, 104O/13E	E 243
Campbell, E. A.	E 112
CAN, 93B/16E	E 183
Canadian-American Loan Investment Corp. Ltd.,	
LOCK, HINGE, 93A/12E	E 181
CANADIAN GIRL, 82F/3E	E 43
Canadian Johns-Manville Company Limited,	
BOOT, 104N/10W	E 239
Canadian Nickel Company Limited,	
KS, 82M/8W	E 96
SNOW, 82M/12W	E 101
SPUR, 94D/2W	E 214
Canadian Occidental Petroleum Ltd.,	
GIL, PA, 82E/4W	E 22, E 23
HED, 92H/8E	E 128
JASS, 82E/12W	E 35
TON, 92I/7E	E 148
WHIT, 82L/4E	E 78, E 79
Canadian Superior Exploration Limited,	
BIG ONION,	
93L/15W	E 198, E 199
CASSIAR CROWN, 93L/10E	E 196
IRON MASK, DM,	
92I/9W	E 154, E 155
KAM, RED HEAD, RODA,	
92I/9W	E 153
MOTASE A, 94D/3W	E 214
RAINBOW, 92I/9W	E 155
CANAL FLATS map sheet, 82J	E 59
CANCER, 104H/12W	E 227
Can-ex Resources Ltd.,	
AMERICAN BOY, 93M/5E	E 200
Canex Placer Limited,	
ANN, 92J/3E	E 166, E 167
BASIN, 82E/15W	E 39
BEND, 82M/10E	E 99
ELIZABETH, MOLLY,	
GWYNN, 94C/2W	E 211
HANSON LAKE, 93K/3E	E 189
LILY, 93F/15E	E 187
NU, ELK, 93K/3E	E 188
SILVER QUEEN (NADINA),	
93L/2E	E 190
CanPac Minerals Limited,	
Fording River Operations, 82J/2W, 7W,	
coal	E 263, E 264
SOL (HAVILAH, STORM),	
92F/2E	E 110
CANYON, 82E/1E	E 12
CANYON, 104A/4W	E 221
CAP, 93A/12E	E 181
CAPCO, 82E/11E, 6E	E 33, E 34
Cape Flattery map sheet, 92C	E 106
CAPOOSE, 93F/6E	E 185, E 186

	Page		Page
CAPRICORN, 104H/12W	E 227	CHEMAINUS, 92B/13W	E 104
CAR, 92L/11W	E 174	Cherokee Developments Ltd.,	
CARA, 94C/3E	E 212	AC, 82F/4W	E 44
Cardero Resources Ltd.,		JENNY LONG, 92I/8W	E 149
AT, 92H/10E	E 130	CHERRY, 82L/8W	E 81, E 82
CARIBOO-BELL, 93A/12E	E 181	Chevron Canada Limited,	
CARIBOO-HUDSON, 93A/14W	E 182	HI (SHREW), 92G/9E	E 118
CARIE, 94C/3E	E 212	KU, 92H/5W	E 124, E 125
CARMI MOLYBDENUM,		STAN, 82J/5E	E 61
82E/11E, 6E	E 33, E 34	Chevron Standard Limited,	
CARO, 92H/11W	E 131-E 133	JW, JEAN, 93N/2W	E 201
CAROL, 92P/9W	E 177	KIM, 82G/12W	E 59
CAROL, 94C/3E	E 212	KU, 92H/5W	E 124, E 125
Carolin Mines Ltd.,		LUCKY (CAMERON),	
AURUM, IDAHO, PIPESTEM,		82J/5W	E 61
92H/11W	E 131-E 133	SENECA (HARRISON),	
EDYE PASS, SURF POINT,		92H/5W	E 122, E 123
103J/2E	E 208	SERENA, 82K/9W	E 67, E 68
Cartwright, F. W.	E 42	STAN, 82J/5E	E 61
Cartwright, J. W., Jr.	E 49	STAR, 82K/9W, 10E	E 68
Caruso, J.	E 125	CHICAGO, 82F/14E	E 52
Cascadia Resources Ltd.,		CHIEF, 82F/3E	E 43
WOODBURY CREEK (VIGILANT),		China Commercial Corporation Ltd.,	
82F/15W	E 53	ZZ, WILL, 92I/9W, 10E	E 156
CASEY, 92I/9W	E 156	Chinook Construction & Engineering	
Cassiar Asbestos Corporation Limited,		Ltd.,	
Kutcho Creek (Letain),		JO, 82E/1W	E 12
104I/7E, asbestos	E 248	SD, 82E/1W	E 12, E 13
SD, 82E/1W	E 12, E 13	CHRIS, 104H/12W	E 227
CASSIAR CROWN, 93L/10E	E 196	CHRIS NORTH, 104H/12W	E 227
CAT, 82G/2E, see KRO,		Christian, H.	E 125
CRAFT	E 56	CHROME VANADIUM, 82L/4W	E 79
CAT, 92H/1W	E 121, E 122	Chromex Nickel Mines Ltd.,	
CAT, 93G/15E	E 187	MASTADON, 82E/1E	E 12
CAT, 94C/3W	E 212	CHU, 93F/7E	E 186
Caywood, A.	E 218	CHUM, 92I/10E	E 156
CB, 93F/14E	E 186	Churchill, 94K/6E	E 218
CC, 82M/1E, 8E	E 86, E 87	CI, 82M/4W	E 92
CD, 82K/12E	E 69, E 70	CINDY, 82K/11W	E 69
CD, 103I/2E	E 207	CINDY, 92C/16E	E 107, E 108
C-D, 104O/5E	E 242	CINDY LOU, 93M/5E	E 200
CEDAR, 82G/11W	E 58	Cities Service Minerals Corporation,	
CEE, 92H/8W	E 127	MORICE MOUNTAIN, 93L/7W	E 193
CENTRAL, 82L/10E	E 82	MOTASE A, 94D/3W	E 214
CH, 82K/12E	E 69, E 70	SAT, 93L/16W	E 199, E 200
CHAMPION, 92I/9W	E 154, E 155	CIVIL, 92I/9W	E 154, E 155
CHANNEL, 82L/3E	E 77	CK, 104I/1W	E 230
CHAPERONE, 82E/3E, 6E	E 21	CL, 82E/10W	E 30
Chaplin, M. R.	E 35	CLAIR, 104N/11W	E 240, E 241
CHAPPELLE, 94E/6E	E 216, E 217	CLARA, 92G/14W	E 120
CHARLES, 82E/1E	E 12	CLARA B, 92I/8W	E 148, E 149
CHARLIE, 94D/2W	E 214	CLARK, 82E/6W	E 26
CHARLOTTE, 92J/15W	E 170	CLARKE, 92I/7W	E 145
CHATKO (LK), 92I/2E	E 138	Cleaver Lake Mines Ltd.,	
CHAU, 92L/12W	E 175	SKARN (FRENCH CR; KEEGAN;	
CHECK, 104H/13W	E 228, E 229	GEM), 92F/7E	E 112
CHEHALIS, 92H/5W	E 122, E 123	CLIER, 82L/2W	E 74

	Page
Climax Molybdenum Corporation of British Columbia Limited, GLACIER GULCH (YORKE— HARDY), 93L/14W ...	E 197, E 198
MOLY (BELL MOLY), 103P/6W	E 209
CLONMELL, 92J/9E; 92I/12W	E 167
CLOSE, 92C/16W	E 107
CLOUD, 93L/7E	E 193
Cloutier, M.	E 106
CM, 92I/5W	E 141
CM, 104N/11W	E 240, E 241
COACHMAN, 82K/5W	E 64
COAL, 82L/2E	E 72
coal	E 259-E 274
Coast Interior Ventures Ltd., ROUNDTOP, BON, PARK, 93A/14W	E 182, E 183
Coastal Mining Ltd., EK, 82E/3E, silica	E 255, E 256
COBALT, 92F/13E	E 114
CODY, 82L/3E	E 77
COL, 82J/4W, 5W	E 60
Colby Mines Limited, KINGFISHER, BRIGHT STAR, 82L/10E	E 82
COLE, 93L/2E	E 190
Coleman Collieries Limited, Tent Mountain, 82G/10E, coal	E 263
COLONIAL, 82F/14E	E 52
COME AGAIN, 104A/4W	E 221
COMET, 82F/14W	E 52
Comet Industries Ltd., IRON MASK, DM, 92I/9W	E 154, E 155
COMINCO, 82L/10E	E 82
Cominco Ltd., ACE, 82K/1E	E 62
ALFY, BEAR,	E 79, E 80
ANNETTE 55, 82K/10E	E 68
BANSHEE, 94E/13E	E 217
CHUM, 92I/10E	E 156
COL, 82J/4W, 5W	E 60
CRAW, 82F/10W	E 50
CROSS, 82J/2W	E 59, E 60
FISSURE, 82M/10E	E 99
Fording River Operations, 82J/2W, 7W, coal	E 263, E 264
GOODENOUGH (HUGEL, HOD), 82L/6W	E 80
IT, TO (RUDDOCK CREEK), 82M/15W	E 102
JACKPOT, 82F/3E	E 43
JD, A, 92I/9W	E 150
JW, JEAN, 93N/2W	E 201

Cominco Ltd. (continued), KINGPIN (ACE), DEWEY, 92I/9W	E 151
MIK, 92P/15W	E 178
PITT, 82F/9E	E 47, E 48
POLARIS, RIGEL, 82G/12W	E 59
RAT, 94E/2W	E 216
SAND, 104P/1E	E 244
SENECA (HARRISON), 92H/5W	E 122, E 123
SOL (HAVILAH, STORM), 92F/2E	E 110
ST. JOE, 82G/5W	E 57
STEAMBOAT, 82K/9E	E 67
UP, 92H/9W, 10E	E 130
VINE, 82G/5W	E 56, E 57
COMMANDER, 82E/2W	E 17, E 18
COMMANDER, 82M/8	E 94, E 95
COMMERCE, 82G/1W	E 55, E 56
Comox Coalfield	E 266
COMPLEX, 82M/7W	E 94
COMSTOCK, 92I/2W	E 139, E 140
CON, 94D/3W	E 214
CON VERDANT, 92I/9W	E 154, E 155
CONCO, 82L/2W	E 73
CONGRESS, 92J/15W	E 170
CONQUEST, 92C/9E	E 106, E 107
CONSOLIDATED ALABAMA, 82F/6	E 45, E 46
Consolidated Boundary Exploration Ltd., PRESIDENT, HAUSER, 82K/6E, 7W	E 65
SD, 82E/1W	E 12, E 13
Consolidated Cinola Mines Ltd., BABE, 103F/9E	E 206
Consolidated Kalco Valley Mines Ltd., FOB, 82E/4W; 92H/1E	E 23
Consolidated Silver Butte Mines Ltd., PLUTO, 82E/14W	E 35, E 36
CONTACT, 82N/7W, silica	E 256
CONTRACTOR, 82M/8	E 94, E 95
Conwest Exploration Company Limited, ALI, 82M/9W	E 97, E 98
APEX, 93L/8W	E 194
CK, 104I/1W	E 230
JEANETTE, 103I/2E	E 207
TUL, 92H/7E	E 127
COOKSON, 82E/11E, 14E	E 34
COP, 82E/2W	E 17, E 18
COP, 92I/5E	E 141
COPPER, 92P/9W	E 177
COPPER BELL, 92K/3W	E 172
COPPER CANION, <i>see</i> MARGIE, SUSAN, 92B/13W	E 104
COPPER CHIEF MOLY, 82K/12E	E 69, E 70

	Page	
COPPER HEAD, 92I/9W, <i>see</i>		
EVENING STAR (GALAXY) . . .	E 152	
COPPER KING, 82K/8W	E 66	
COPPER KING, 82M/7W	E 94	
COPPER KING, 92B/13W	E 104	
COPPER KING, 104A/4W	E 221	
Copper Lake Exploration Ltd.,		
BULLION, 82M/12W	E 100	
LAKE, 82M/12W	E 100, E 101	
COPPER LORD, 104A/4W	E 221	
COPPER MINE, 82E/2W	E 17, E 18	
COPPER MOUNTAIN, 92H/7E, 8W .	E 126	
COPPER QUEEN, 82E/SW, <i>see</i>		
COPPER MINE, KING		
SOLOMON	E 17, E 18	
COPPER QUEEN, 82M/1E, 8E . .	E 86, E 87	
COPPER QUEEN, 92B/13W	E 104	
COPPER QUEEN, 92F/10E, 15E		
.	E 113, E 114	
COPPER QUEEN, 92I/9W	E 154, E 155	
COPPER QUEEN, 104A/4W	E 221	
COPPER REEF, 82K/11W	E 69	
COPPERADO, 92I/2E	E 138, E 139	
Copperstar Mines Ltd.,		
COPPERADO, 92I/2E		
.	E 138, E 139	
COR, 92F/2	E 109, E 110	
Cordilleran Engineering Limited,		
TOLL (BERTHA), 94G/4		
.	E 217, E 218	
CORK, 82K/3W	E 64	
CORNEL, 92F/10E, 15E	E 113, E 114	
CORNER, 82N/7W, silica	E 256	
CORONATION, 82E/2W	E 18	
Cote, L.	E 195	
COTTAGE, 82F/10W,		
building stone	E 249, E 250	
COTTON, 82M/7W	E 93	
COTTONWOOD, 82F/6W	E 46	
COUGAR, 104H/12W	E 227	
Cous Creek Copper Mines Ltd.,		
A, 92F/2W	E 110, E 111	
Cox, Percy		
.	E 16, E 20, E 27, E 31, E 40	
CP, 92J/9E; 92I/12W	E 167	
CRACKER CREEK, 104N/11W	E 240	
Craig, Sam	E 65	
Craigmont Mines Limited,		
AL, BR, 82L/13E	E 83	
AR, 82M/4	E 88	
ASH, NOLA,		
92H/1W	E 121, E 122	
BM, 82L/14	E 84	
BU, 82M/4W	E 92	
CARMY MOLYBDENUM (CA),		
82E/11E, 6E	E 33, E 34	
CU, 82M/3W, 4E	E 87	

Craigmont Mines Limited (<i>continued</i>),	
CW, 82M/12W; 92P/9E	E 101
FM, 82M/4W	E 92, E 93
MK, ORO, 82M/4E	E 90
NC, 82M/4W	E 91
NN (SCIMITAR), 82L/14E	E 86
PC, 82L/14W	E 85
PINE, 82M/4W	E 92
SCOTCH, 82L/13E, 14W	
.	E 83, E 84
WL, 82L/14	E 84
CRAW, 82F/10W	E 50
CRAZE, 93A/14W	E 182, E 183
Cream Silver Mines Ltd.,	
LORI, 92G/10W	E 118
CREEK, 104I/7E	E 232, E 233
CRESCENT, 82L/3E	E 76
CRITERION, 82M/8	E 94, E 95
CROFT, 82G/2E	E 56
CROSS, 82J/2W	E 59, E 60
Crows Nest Industries Limited,	
Lodgepole-McLatchie, 82G/7,	
coal	E 261
Crowsnest Coalfield	E 261
Cry Lake map sheet, 104I	E 230
Cry Lake Jade Mines Ltd.,	
WT, 104I/7E	E 233
Cryderman, C. J.	E 135
CS, 92I/7W	E 146
CS, 93L/10	E 195
C.T. Exploranda Ltd.,	
SILVER CUP, TOWSER,	
82K/11W	E 69
CU, 82M/3W, 4E	E 87
CU, 92I/7W	E 145
CU, 92I/7W	E 146
CU, 93L/14W	E 198
CUB, 92O/2	E 176
CUB, 104I/9E	E 233
CUBA, 82F/14W	E 52
CUBA, 82K/2W	E 62, E 63
CUP, 82E/10W	E 30
CUP, 82K/11W	E 69
CUP, 93L/7E	E 194
Cutt, William J.	E 98
CUZIN, 82L/7E	E 81
CW, 82M/12W; 92P/9E	E 101
CX, 104N/10	E 238
CY, 104N/10W, 11E	E 239
CYCLONE, 92I/9W	E 151
Cyprus Anvil Mining Corporation,	
COMPLEX, COPPER KING,	
82M/7W	E 94
T, SNAKE EYES,	
82M/7W	E 93
Tulameen Coal,	
92H/7, 10	E 267, E 268

D

D, 82L/10E	E 82	DENIS, 92F/15E	E 116
D, 92F/2W	E 110, E 111	Denison Mines Limited,	
D, 93F/6E	E 185, E 186	Belcourt Project, 93I/8, 9,	
D, 93L/14W	E 197, E 198	coal	E 270
DAGO, 92H/15E	E 135, E 136	Quintette Project, 93I/14, 15;	
DAISY, 82G/11W	E 58	93P/3, coal	E 270, E 271
DAISY, 82K/11W	E 69	Saxon Project, 93I/8,	
DAISY, 92G/14E; 92J/3E	E 120, E 121	coal	E 268, E 269
Dallas Explorations Ltd.,		DENT, 82L/12W	E 82, E 83
YELLOW JACKET, 82E/9W	E 29	DENVER, 82M/8	E 94, E 95
DAN, 82E/10W	E 30	DEWEY, 92I/9W	E 151
DANDY, 92G/16W	E 121	D.G. Leighton & Associates Ltd.,	
DANE, 92H/4W	E 122	CLARK, 82E/5W	E 26
Danstar Mines Ltd.,		FAULDER, 82E/12	E 34, E 35
COPPERADO, 92I/2E	E 138, E 139	OLALLA, 82E/5W	E 24
DART, 92I/9W	E 152	POLVO, 82E/4E	E 22
Darva Resources and		R, 82E/4E	E 22
Development Ltd.,		VICARS, 92I/9E	E 150
BEAVER, 82E/10W	E 32	DI, 92H/11W	E 131-E 133
DAT, 92I/10W	E 158	Diakow, S. G.	E 242
DAT, 93K/3E	E 188	DIAMOND JUBILEE, 82K/11W	E 69
Daughtry, K. L.	E 39	Diana Explorations Ltd.,	
DAVE, 82F/10E	E 48, E 49	YAUCO, 92L/2W	E 173
DAVE, 92I/9W	E 151	DIANE, 92I/6W	E 142
DAVE, 93L/2W, 3E; 93E/15W	E 191	DICK, 92H/11W	E 133
DAVE, 94C/3W	E 212, E 213	Dickinson, Robert A.	
DAVE, 104G/6E, 7W	E 224		E 16, E 20, E 27, E 31, E 40
DAVID, 92J/15W	E 170	DILYS, 93L/2W; 93E/15W	E 191
David Minerals Ltd.,		DIS, 93K/3E	E 188
HALO, 92H/15E	E 136	DIVIDEND, 82E/5W	E 25
DAVIS, 94K/6	E 218	DL, 94E/2W	E 216
Davis, Dennis	E 42	DM, 82E/15W	E 39
DAWN, 92I/6E	E 143	DM (IRON MASK),	
Dawson Range Mines Ltd.,		92I/9W	E 154, E 155
WAYSIDE, 92J/15W	E 170	DM (KAREN), 92I/9W	E 154
DC, 82F/4W	E 45	DO, 92I/7W	E 146
DC, 93L/15W	E 199	DOE, 82E/11E, 6E	E 33, E 34
DD, 82F/15W	E 53	Dome Exploration (Canada) Limited,	
Dease Lake map sheet, 104J	E 234	CAN, 93A/16E	E 183
DEB, 92I/9W	E 154, E 155	NAP, 92I/8W	E 149, E 150
DECANO, 92H/9E	E 129	PR, 93A/12W	E 180
DEE, 92I/6E	E 143	DOMINEER, 92F/14	E 115
DEE, 92I/7W	E 146	DOMINIC, 92I/10E	E 157
DEE, 92K/2E	E 171, E 172	DOMINIC NORTH, 92I/10E	E 157
DEF, 92G/10W	E 118	DOMINIC SOUTH, 92I/10E	E 157
Deighton, J. R.	E 104, E 105	DOMINION, 82E/1E	E 12
DeKalb Mining Corporation,		DON, 82F/16W, 15E, 10E	E 53, E 54
PROVIDENCE, 93A/11W	E 179, E 180	DON, 82J/13E, magnesite	E 252
Delhi Pacific Mines Limited,		DON, 82M/3W	E 87
ALI, 82M/9W	E 97, E 98	DON, 92I/9W	E 151
DELL, 82E/10W	E 30	DON, 93L/2W, 3E; 93E/15W	E 191
DELLA, 92I/9W	E 154, E 155	DON, 93L/10	E 195
DELTA, 92I/9W	E 154, E 155	DONEN, 82E/10W	E 31
DEMPSEY, 104A/4W	E 221	Donegel Developments Ltd.,	
DENA, 82E/1W	E 12, E 13	MG, 93M/6E	E 201
		DONNER, 92F/12W	E 114
		DOREEN, 92I/10E	E 157

	Page
Dorita Silver Ltd.,	
SILVER LAKE, 93L/14W	E 198
DOROTHY, 82F/15W	E 53
DOROTHY, 92H/5W	E 122, E 123
DOROTHY, 92I/8W	E 148, E 149
DOROTHY FR., 92F/15E	E 115
DOT, 92I/8W	E 148, E 149
DOUBLE, 82E/1W	E 12, E 13
DOUBLE B, 82F/3E	E 42
DOUBTFUL, 82K/12E	E 69, E 70
Douglas Channel map sheet, 103H and part of 103G	E 206
Dowling Creek, 93O/16, coal	E 273, E 274
DOWN, 82M/8W	E 96
DOWNIE, 82M/8	E 94, E 95
Dowser Systems Ltd.,	
ARROWHEAD, 82E/2E	E 14
DRG, 92I/10E	E 156, E 157
DRIFTWOOD CREEK, 93L/15W ...	E 199
DRUM, 104H/13W	E 229
DPP, 94K/4W	E 218
DuPont of Canada Exploration Limited,	
AUTUMN, 82E/15W	E 38
CHAPPELLE, 94E/6E	E 216, E 217
HONEST, 82E/10W, 11E	E 32
JUNE, 82E/10W, 11E	E 33
McGEE CREEK, 104N/5W	E 238
OYAMA, 82L/3E	E 76
OYAMA 2, 3, 4, 6, 82L/4E	E 77, E 78
OYAMA 5, 82L/4E	E 78
DUAL, 93L/2W; 93E/15W	E 191
Dual Resources Ltd.,	
DUAL, 93L/2W; 93E/15W	E 191
IAN, JOEY, 93E/15W	E 185
DUB, 103F/8E	E 206
DUCK, 93L/2W; 93E/15W	E 191
DUE, 92F/16W	E 117
DUKE, 82K/11W	E 69
DUKE OF YORK, 92H/7E, 8W	E 126
Dumford, Gary	E 197
DUNEDIN, 82F/14W	E 51
Dungannon Explorations Ltd.,	
HEWITT - VAN ROI, 82F/14W	E 51
Dunn, S. R.	E 254
DUNSMUIR, 92B/13W	E 104
Duval Corporation of Canada, JW, JEAN, 93N/2W	E 201

E

E, 92L/11W	E 174
E, 93F/6E	E 185, E 186
E, 93L/14W	E 197, E 198

	Page
E&B Explorations Ltd.,	
CLIER, 82L/2W	E 74
GREEN, 82E/2W	E 18
MIDWAY, 82E/2E	E 15
TAI, 82L/2W	E 73
WEST, 82E/2W	E 19
EAGANVILLE, 82E/9W	E 29
EAGLE, 92F/15E	E 115, E 116
EAGLE FR., 82E/3E, 6E	E 21
EARNSCLIFFE, 92I/9W	E 154, E 155
East Mount Gething Project,	
94B/1W, coal	E 274
EASTER, 104N/5W	E 238
EASTERN STAR, 82M/1E	E 86
EASTGATE, 92F/10E	E 113
EB, 92I/9W	E 154, E 155
ECHO, 82K/1E	E 62
ECLIPSE, 82E/9W	E 29
ED, 82F/3E	E 41
ED, 104B/9	E 223
EDD, 103G/9E	E 207
EDYE PASS, 103J/2E	E 208
EGALITE, 82F/14E	E 51
EGO, 92G/10W	E 118
EK, 82E/3E, silica	E 255, E 256
ELAINE, 104K/7E	E 237
Elco Mining Ltd.,	
Elk River Coal Property, 82J/7W, coal	E 264, E 265
ELDORADO, 104B/1E	E 221, E 222
ELDORADO, 104H/12E, 13E .	E 227, E 228
Eldridge, G.	E 142
ELEANOR OF AQUITAINE, 104G/9W, 16W	E 226
ELEPHANT, 92H/7E, 8W	E 126
ELEPHANT, 92J/15W	E 168
ELIZA, 104I/9E	E 233
ELIZABETH, 94C/2W	E 211
ELK, 93K/3E	E 188
Elk River Coal Property, 82J/7W	E 264, E 265
ELM, 82F/3E	E 43
ELMOORE, 92B/13W	E 104
ELSIE, 82M/4E	E 91
Elwell, James P.	E 112
EMEROY, 92I/9W	E 154, E 155
EMILE, 92H/5W	E 123
EMU, 104G/6E, 7W	E 224
ENDEX, 93K/3E	E 189
ENG, 104N/10W, 11E	E 239
ENTERPRISE, 82F/16W, 15E, 10E	E 53, E 54
ENTERPRISE, 104A/4W	E 221
Equity Mining Corporation, SAM GOOSLY, 93L/1W ...	E 189, E 190
ERIC, 82M/1E	E 86
Erickson, B.	E 63

	Page
Erickson Gold Mining Corp.,	
JENNIE, 104P/4E	E 245
ERIN, 92I/9W	E 154, E 155
ERK, 92P/14E	E 177, E 178
Espina Copper Developments Ltd.,	
GOLDEN AGE, 82F/6E	E 47
Essex Minerals Company,	
BLUE, 104I/9W, 16W	E 234
Estey Agencies Ltd.,	
SKARN (FRENCH CR; KEEGAN;	
GEM), 92F/7E	E 112
EUPHRATES, 82F/6E	E 46, E 47
EUREKA, 82M/1E	E 86
EUREKA, 92F/13E	E 114
EUROPE, 92F/10E, 15E	E 113, E 114
EVENING STAR, 92I/9W	E 152
EVENING STAR, 92I/9W, <i>see</i> KAM,	
RED HEAD, RODA	E 153
EX, 82L/10E	E 82
EX 1, 82M/4E	E 90, E 91
EXCELSIOR, 82K/11W	E 69
Exploram Minerals Ltd.,	
ERK, 92P/14E	E 177, E 178
TP, 82E/16W	E 40, E 41
WL, 93A/3W	E 179
EXPO, 92L/11W	E 174
EXPO, 92L/12W	E 174, E 175
EXTENSION, 93L/14W	E 197, E 198

F

F, 92L/11W	E 174
F, 93F/6E	E 185, E 186
F, 93L/14W	E 197, E 198
F, 104I/7E, asbestos	E 248
FABLE, 92P/8E	E 176, E 177
FAIRVIEW, 82M/9W	E 98
FAIRVIEW, 92I/14E	E 164
FAITH, 92B/13W	E 104, E 105
FALCON, 93O/11W	E 204
Falconbridge Nickel Mines Limited,	
IT, TO (RUDDOCK CREEK),	
82M/15W	E 102
MacDUCK, 94L/4W	E 219
Falkenstein, Albert	E 25
FALL, 92F/16W	E 117
FALUM, 92H/7E, 8W	E 126
FAR, 82M/10E	E 99
Fareclough, F.	E 48
Farrah Resources Ltd.,	
AXL 3, 82M/4E	E 88
FAT CHANCE, 92E/9W, <i>see</i>	
FORD	E 152
FAULDER, 82E/12	E 34, E 35
FC, 82L/10E	E 82
FEB, 92I/9W	E 153
FED, 93L/10E	E 196

Fennell, J. M.	E 93
Fennell, Marston	E 93
Fennell, Robert	E 93
Fernie map sheet, 82G	E 54
FERRO, 92F/15E	E 116
FF, 92G/14E; 92J/3E	E 120, E 121
FG, 104P/4E	E 245
FH, 92H/9W	E 129, E 130
FIFE, 104H/13W	E 229
FIM, 92J/15E, jade	E 251
Finch, V.	E 91
FIR, 82M/3W	E 87
FISSION, 82L/3E; 82E/14E	E 75, E 76
FISSURE, 82M/10E	E 99
FIVE, 103F/8E	E 206
FIVE, 104A/4W	E 221
FIVE WEST, 103F/8E	E 206
FLEX, 92I/6E	E 142
FLORA BELL, 82M/1E	E 86
FLORENCE, 82E/2E	E 14
FLORENCE, 82E/2E	E 14, E 15
FLORENCE, 92F/15E	E 116
FLY, 82J/5E	E 61
FM, 82M/4W	E 92, E 93
FOB, 82E/4W; 92H/1E	E 23
Focus Resources Ltd.,	
STAR OF THE WEST,	
92F/2	E 109, E 110
FOG, 93L/7E	E 193
FORD, 92I/9W	E 152
Fording Coal Limited,	
Fording River Operations,	
82J/2W, 7W, coal	E 263, E 264
FORS, 82G/5W, <i>see</i> VINE	E 56, E 57
Forshaw, Jim	E 19
FORT, 92P/9W	E 177
Fort Fraser map sheet, 93K	E 188
Fort Grahame map sheet, 94C	E 211
FORUM, 82G/1E	E 55
FOX, 82M/4E	E 90
FOX, 92I/9W, <i>see</i>	
WINDSOR	E 151
FOX, 104N/10	E 238
Fox, P. E.	E 180
FRACTION A, 104P/3E	E 244
FRACTION B, 104P/3E	E 244
FRACTION C, 104P/3E	E 244
FRANCIS, 82M/8	E 94, E 95
Franks, Joseph Henry	E 179
Franks, William	E 179
Fraser, Tom J.	E 26
FREDDIE LEE, 82F/14E	E 52
FREE SILVER, 82F/6W	E 46
FREEDOM, 82E/11E, 14E	E 34
FRENCH CR, 92F/7E	E 112
Frost, E. J.	E 58
Frost, Kathleen Ann Ord	E 58

	Page
FUBAR, 103P/6W	E 209
Fulbrook, R. J.	E 250
FUN, 104H/12W	E 227
FX, 82L/10E	E 82

G

G, 93F/6E	E 185, E 186
G, 103P/6W	E 209
GA, 93L/15W	E 198, E 199
GABLE, 82E/7E	E 27
GAD, 92I/11E	E 159, E 160
GAEL, 94C/3E	E 212
GAIL, 82F/4W	E 44
GAIL, 104N/10	E 238
GALAXY, 92I/9W	E 152
GARDEN, 92I/8W	E 148, E 149
GARNET, 82M/4E, <i>see</i>	
HILTEC	E 88, E 89
GARNET, 82M/4E, <i>see</i>	
MK, ORO	E 90
GAUL, 93L/1W	E 189, E 190
GAV, 104G/6E, 7W	E 224
GB, 92J/15E, jade	E 251
GB, 93L/15W	E 198, E 199
GC, 93L/15W	E 198, E 199
GD, 93L/15W	E 198, E 199
GE, 93L/15W	E 198, E 199
GEM, 92F/7E	E 112
GEM, 92F/10E	E 113
GEM, 93K/3E	E 189
GEMINI, 104H/12W	E 227
Genstar Limited,	
MARTIN, 82J/4E,	
gypsum	E 250
Gerlitzki, J. H.	E 187
Gerun, A. M.	E 249
GF, 93L/15W	E 198, E 199
GG, 93L/15W	E 198, E 199
GH, 82E/9W	E 28
GH, 93L/15W	E 198, E 199
Gibbs, H.	E 142
GIL, 82E/4W	E 22, E 23
Gilford Resources Ltd.,	
JILL, TOW, JJJ,	
92H/7E	E 125
GILL, 82E/1W	E 12, E 13
Gingell, F.	E 136
GIPSY, 104A/4W	E 221
GISCOME, 93J/1W	E 187, E 188
GJ, 104G/9E	E 225
GK, 93L/15W	E 198, E 199
GLACIER GULCH,	
93L/14W	E 197, E 198
GLASGOW, 82F/3W	E 43
GLEN, 92H/9E, <i>see</i> DECANO	E 129
GLO, 93N/9W	E 202

	Page
GLOBE, 92J/9E; 92I/12W	E 167
GLOUCESTER, 82E/9W	E 28
GLYNNE HILL, 82E/5W	E 25, E 26
GM, 93L/10E	E 196
GNAWED AN, 92I/7W	E 145
GNAWED BRECCIA, 92I/7W	E 145
GNAWED OREBODY, 92I/7W	E 145
GO, 104J/4W	E 235
GO, 104P/4E	E 245
GOAT, 82E/11E, 14E	E 34
GOAT, 104G/9E	E 225, E 226
GOAT A, 82L/11E	E 82
GOAT HIDE, 104G/9E	E 225, E 226
GOAT HORN, 104G/9E	E 225, E 226
Goble, F. J.	E 54, E 55
Goble, F. M.	E 54, E 55
Goble, L. E.	E 54, E 55
GODFREY, 93L/7E	E 193
GOLD, 92G/14W	E 120
GOLD, 92P/9W	E 177
GOLD BRICK, 93L/7E	E 193
GOLD BUG, 82K/11W	E 69
GOLD BUG, 92I/16W	E 164
GOLD CROWN, 82F/3E	E 41
GOLD CUP, 92I/8W	E 149
Gold Drop Mines Ltd.,	
OUTLAND SILVER BAR,	
104B/1E	E 221, E 222
GOLD HILL, 104P/4E	E 245
GOLD ROCK, 92L/2W	E 173
GOLD STAR, 92H/11W	E 131-E 133
GOLDEN AGE, 82F/6E	E 47
GOLDEN EAGLE, 82M/4E	E 91
GOLDEN FLEECE, 82F/3W	E 43
Golden Granite Mines Ltd.,	
HI, HO (SPRING LAKE),	
92F/16W	E 117
Golden Hinde Mines Ltd.,	
PROSPER (PAKEHA),	
92F/5E	E 111
TRI, 92F/6W	E 111
GOLDEN ROD, 82F/3W	E 43
GOLDEN SOVEREIGN, 92H/15E ..	E 136
GOLDEN STAR, 92I/9W, <i>see</i> KAM,	
RED HEAD, RODA	E 153
GOLDEN TOAD, 82E/5W	E 25, E 26
GOOD LUCK, 82K/11W	E 69
GOODALL, 92F/10E	E 113
GOODENOUGH, 82F/14E	E 51
GOODENOUGH, 82L/6W	E 80
GORDON, 82F/16W, 15E, 10E ..	E 53, E 54
Gordon, E. L. (Mrs.)	E 113
GRACE, 104B/9	E 223
Gracey, Kenneth A.	E 185
Graham Island map sheet, 103F and	
parts of G, J, and K	E 205
GRAN, 94L/1E	E 219

	Page
Granby Mining Corporation,	
JW, JEAN, 93N/2W	E 201
LOU, 93L/13E	E 197
MINERAL HILL (HUBER),	
93L/10E	E 195, E 196
X, 94L/1E	E 219
GRAND VIEW, 82M/1E	E 86
Granduc Mines, Limited,	
BIG SHOWING (MITCHELL),	
104B/9	E 223
MAX, 104B/7E	E 222
RED RIVER, 104B/8E	E 222
Granges Exploration Aktiebolag,	
ALAMO, 92I/7W	E 144
BIG J, 82L/14E	E 85
CAPOOSE, 93F/6E	E 185, E 186
PEM, 93F/2W	E 185
GRANITE, 92I/6E, <i>see</i>	
LOREX	E 143
GRASSLAND BONANZA, 92I/2E ..	E 138
GREAT COPPER CHIEF,	
92F/10E, 15E	E 113, E 114
GREAT NORTHERN, 82K/8W	E 66
Great Plains Development Company	
of Canada, Ltd.	
ANN (SO, SPLIT CREEK),	
104G/4E	E 223, E 224
BALSOM, 104F/16E	E 223
DRUM, 104H/13W	E 229
GJ, 104G/9E	E 225
KINGPIN (ACE), DEWEY,	
92I/9W	E 151
KITTY, FIFE,	
104H/13W	E 229
RD, 104H/13W	E 228
RED, CHRIS, SUS, WINDY,	
104H/12W	E 227
SUN, 104G/9E	E 226
TAN, 92H/4W	E 122
GREAT WEST, 103G/9E	E 207
GREEN, 82E/2W	E 18
GREEN, 82E/7E	E 27
GREEN, 82M/12W	E 100
GREEN RIDGE, 82K/8W	E 66, E 67
Greenbay Exploration and Mining	
Co. Ltd.,	
BLUE (GREENBAY), 92J/15E,	
jade	E 251
Greenhills, 82J/2W, coal	E 265
GREY COPPER, 82F/14E	E 51
Grinde, L.	E 187
GRIT, 92P/16W	E 178
GRIZZLY, 82K/3E	E 63
GRIZZLY, 104I/1W	E 230, E 231
Grotto Silver Mines Ltd.,	
GROTTO, 82K/9W	E 67
GUM, 82E/4E	E 22

Guppy, Walter	E 111
GUS, 92I/9W	E 151
Guttrath, G. C.	E 89
GWYNN, 94C/2W	E 211
gypsum	E 250

H

H, 82E/1E	E 12
H, 93F/6E	E 185, E 186
H, 93L/14W	E 197, E 198
H&W, 92L/12E, silica	E 256
HAB, 92L/7	E 173
HAGAS, 93L/3E	E 192
Hagel, Pat	E 61
Halfway River map sheet, 94B	E 210
Hall, D.	E 166
Hall, Ralph	E 212
HALO, 92H/15E	E 136
Hammond, G. G.	E 108
HANEY, 82E/1E	E 12
Hansen, Howard G.	E 177
Hansen, Irene	E 256
HANSON LAKE, 93K/3E	E 189
HAPPY DAYS, 92I/10E	E 156, E 157
HARLEY, 92I/6W	E 142
HARRISON, 92H/5W	E 122, E 123
Hartman, W. D.	E 245
Harvey, J. R.	E 238
HASKINS MTN, 104P/6W	E 245, E 246
HASTINGS, 82F/3W	E 43
Hastings, F. L.	E 44
HAT, 82K/8W, barite	E 248, E 249
HAT, 93A/12E	E 181
Hat Creek Coalfield	E 267
Hat Creek Energy Corporation,	
BRX (CALIFORNIA, ARIZONA),	
92J/15W	E 168, E 169
U308, 92I/5E	E 141
Hat Creek Project, 92I/12E, 13E,	
coal	E 267
HATTIE B, 82F/3E	E 41
HAUSER, 82K/6E, 7W	E 65
HAVE, 82M/12W	E 100
HAVILAH, 92F/2E	E 110
HAYNES, 82E/11E, 14E	E 34
Hayward, Mavis O. J.	E 255
HAZ-AL, 82E/1E	E 12
Hazelton map sheet, 93M	E 200
HB, 93L/10	E 195
HC, 82E/8W	E 28
HEATHER, 82F/3E	E 42
HEATHER, 104A/4W	E 221
HEBER, 92F/12W	E 114
Hecate Gold Corporation,	
BANK, WALLER,	
103G/8E	E 206, E 207

Hecate Gold Corporation (<i>continued</i>),	
BS, PHD (JOHN),	
82K/6E	E 65
Hecla Operating Company,	
LIARD COPPER (BIRD,	
SNO), 104G/6E, 7W	E 224
HED, 92H/8E	E 128
HEIDI, 82E/6E	E 26, E 27
HELG, 82G/5W, <i>see</i>	
VINE	E 56, E 57
HELPER, 103G/8E	E 206, E 207
HEM, 93L/3E	E 192
Henry, J. P.	E 14, E 15
HEP, 92L/12W	E 174, E 175
Hesca Resources Ltd.,	
EX 1, SPAR,	
82M/4E	E 90, E 91
HEWITT, 82F/14W	E 51
HI, 92F/16W	E 117
HI, 92G/9E	E 118
Hi, 93E/11E	E 183, E 184
HIBBARD, 104B/1E	E 221, E 222
Highland Crow Resources Ltd.,	
CARIBOO-BELL, 93A/12E	E 181
Highmont Mining Corporation Ltd.,	
HIGHMONT (IDE - AM),	
92I/7W, 6E	E 145
HILDA, 92I/7W	E 144
HILL, 82M/8	E 94, E 95
HILL, 92H/5W	E 122, E 123
HILL, 93L/2W, 3E; 93E/15W	E 191
HILTEC, 82M/4E	E 88, E 89
Hilton, A.	E 88
Hilton, J. S.	E 16
HILLTOP, 92I/10E, 15E	E 158
HILLTOP, 93L/7E	E 194
HINGE, 93A/12E	E 181
HJ, 92J/15E	E 171
HO, 92F/16W	E 117
HOBO, 104N/11W	E 240, E 241
Hogan, John	E 28
Hoko Exploration Ltd.,	
COP, 92I/5E	E 141
HOLY, 92B/13W	E 105
HOME GOLD, 92H/11W	E 131-E 133
Homenuke, A.	E 200
Homenuke, S.	E 200
HOMESTEAD, 92H/15E	E 135
HONEST, 82E/10W, 11E	E 32
HOPE, 82G/5W, <i>see</i>	
VINE	E 56, E 57
HOPE, 92B/13W	E 105
Hope map sheet, 92H	E 121
HOPE, 92J/9E; 92I/12W	E 167
Hopper, Douglas H.	E 21
HORN, 104I/3W, 4E	E 232
HORSESHOE, 82K/12E	E 69, E 70

Horseshoe Mines Ltd.,	
ZZ, WILL, 92I/9W, 10E	E 156
HUBER, 93L/10E	E 195, E 196
Huber, P. J.	E 199
Huck, Gene	E 188
Huck, Glen	E 188
HUD, 82L/6W	E 80
Huff, H. P.	E 125
HUGEL, 82L/6W	E 80
HUM BIRD, 114P/10W	E 246
HUMMING BIRD, 82E/1W	E 13, E 14
HUMMINGBIRD, 82E/1W	E 13, E 14
Hunter Point Explorations Ltd.,	
MASTADON, 82E/1E	E 12
Hurlbert, Francis M.	E 97
Hussein, Jaffer	E 85
Hutter, J. M.	E 199
HUP, 82E/1E	E 12
HXL, 82M/8	E 94, E 95

I

I, 93F/6E	E 185, E 186
IAIN, 92P/1E	E 176
IAN, 93E/15W	E 185
IC, 92F/10E, 15E	E 113, E 114
ICE WORM, 104A/4W	E 221
ICONOCLAST, 82E/3E, 6E	E 21
ID, 104G/6E, 7W	E 224
IDA O, 104B/1E	E 221, E 222
IDAHO, 82F/14E	E 51
IDAHO, 92H/11W	E 131-E 133
IDE, 92I/7W, 6E	E 145
IDEAL, 92F/10E, 15E	E 113, E 114
Ideal Basic Industries, Inc.,	
IDEAL BASIC INDUSTRIES,	
92F/10E, 15E	E 113, E 114
Ideal Cement Company (B.C.) Ltd.,	
TEXADA MINE, 92F/10E	E 113
IF, 82M/15W	E 102
IM, 92I/9W	E 152
IMP, 104G/6E, 7W	E 224
IMPERIAL, 82K/8W	E 66
Imperial Metals and Power Ltd.,	
Tulameen Coal,	
92H/7, 10	E 267, E 268
Imperial Oil Enterprises Ltd.,	
KIM, 82G/12W	E 59
Imperial Oil Limited,	
BOB, HAB, 92L/7	E 173
CABIN, 82G/2E,	
phosphate	E 253, E 254
IAIN, 92P/1E	E 176
JACKFISH, 93N/15E	E 204
JEFF, 104I/1W	E 230, E 231
LODGE, 82G/7W,	
phosphate	E 255

	Page
Imperial Oil Limited (<i>continued</i>),	
MT. WASHINGTON COPPER,	
92F/14	E 115
OCT, 82M/4E	E 89
RAM, 82G/2E, phosphate	E 254
SANDY, 82M/4W	E 92
SHARON COPPER, HOLY,	
MONS, 92B/13W	E 105
TUC, 104I/1E	E 230
WASI, 94C/3E	E 211, E 212
IN, 82M/15W	E 102
IN, 92F/16W	E 117
IN, 92K/2E	E 171, E 172
IN, 94D/3W	E 214
INDEX, 92J/9E; 92I/12W	E 167
industrial minerals	E 247-E 257
INGRAM CREEK, 82E/2W	E 18
INK SPOT, 82F/3E	E 43
Inland Copper Mines Ltd.,	
WINDSOR, 92I/9W	E 151
INLET, 92K/2E	E 171, E 172
INTERNATIONAL, 82F/3W	E 43
International Marble & Stone	
Company Ltd.,	
COTTAGE, 82F/10W,	
building stone	E 249, E 250
KOKANEE, 82F/10W,	
limestone	E 251
VIEW, 82F/10W, talc	E 256, E 257
IRA, 104N/14	E 241
IRIS, 92I/6E, <i>see</i> LOREX	E 143
IRISH, 92F/15E	E 115, E 116
IRK, 93L/2E	E 190
IRON CAP, 92I/9W	E 154, E 155
IRON CAP, 92I/16W	E 164
IRON CAP, 104B/9	E 223
IRON CHEST, 82M/8	E 94, E 95
IRON HILL, 82M/8	E 94, E 95
IRON HILL, 92F/13E	E 114
IRON MASK, 82K/8W	E 66
IRON MASK, 92I/9W	E 154, E 155
IRON MASK, 93L/14W	E 198
IRON VAULT, 93L/14W	E 198
Irwin, J. E.	E 218
Isima, John	E 208
Iskut River map sheet, 104B	E 221
IT, 82M/15W	E 102
IT, 92J/3E	E 166
IVY, 82E/11E, 6E	E 33, E 34
IXL, 82F/14W	E 52
IXL, 82K/11W	E 69
IXL, 82M/8	E 94, E 95

J

J, 82E/2W, <i>see</i> JOE	E 19
J, 92G/14E; 92J/3E	E 120, E 121

	Page
J, 92I/7W	E 146
J, 93F/6E	E 185, E 186
J&J, 92H/13E, talc	E 257
JA, 93L/15W	E 198, E 199
JAC, 92I/6E	E 143, E 144
JACK, 82M/1E, 8E	E 86, E 87
JACK, 103P/13E	E 209
JACK, 104G/6E, 7W	E 224
JACK NORTH, 92F/10E	E 113
JACKFISH, 93N/15E	E 204
JACKIE, 93E/15W	E 185
JACKPOT, 82F/3E	E 43
JADE, 92E/9E	E 108
jade	E 250
JADO 1, 82E/15E	E 39, E 40
JADO 3, 82E/7W	E 27, E 28
JADO 4, 82E/2W	E 19, E 20
JADO 5 to 8, 82E/2W	E 16
JADO 9, 82E/3E	E 20
JAM, 92H/1W	E 121, E 122
JAM, 92I/16E	E 165
JAM, 104O/13E	E 243
JAMESONITE, 82F/3E	E 43
JAN, 82E/1W	E 12, E 13
JAN, 82J/13E, magnesite	E 252
JAN, 92G/14E, 92J/3E	E 120, E 121
JAN, 92I/9W	E 154, E 155
JANELLE, 93M/5E	E 200
JAS, 92I/7E	E 148
jasper	E 255
JASS, 82E/12W	E 35
JAY, 92H/11W	E 134
JAY, 82F/3E	E 43
JAY, 92I/6E, <i>see</i> FLEX	E 142
JAY, 92I/7W, 6E	E 145
JAY, 92I/7W	E 146
JAY, 93L/3E	E 192, E 193
JAY, 93L/14W	E 197, E 198
JB, 92I/14E	E 162, E 163
JB, 93L/15W	E 198, E 199
JC, 93L/15W	E 198, E 199
JD, 92I/9W	E 150
JD, 93L/15W	E 198, E 199
JE, 93L/15W	E 198, E 199
JEAN, 92I/7W	E 147
JEAN, 93N/2W	E 201
JEANETTE, 103I/2E	E 207
JEANIE, 103J/2E	E 208
JED, 94K/6	E 218
JEFF, 82L/14E	E 85
JEFF, 104I/1W	E 230, E 231
JEMIMA, 93N/15W	E 203
JEN, 82M/8W	E 96
JENN, 104I/1W	E 230, E 231
JENNI, 82F/10E	E 49, E 50
JENNIE, 82E/2W	E 18
JENNIE, 104P/4E	E 245

	Page
JENNIE EXT, 104P/4E	E 245
JENNIFER, 104N/10W	E 239
Jennings River map sheet, 104O	E 242
JENNY LONG, 92I/8W	E 148, E 149
Jensen, Andrew	E 232
JERRY, 92H/12W	E 134, E 135
JERSEY PIT AREA, 92I/7W	E 147
JF, 93L/15W	E 198, E 199
JG, 93L/15W	E 198, E 199
JH, 93L/15W	E 198, E 199
JILL, 82M/1E, 8E	E 86, E 87
JILL, 92B/5W	E 103
JILL, 92H/7E	E 125
JILL, 104N/10	E 238
JIM, 82E/2E	E 14
JIM, 82E/2E	E 14, E 15
JIM, 82M/3W	E 87
JIM, 92L/11W	E 174
JIM, 93A/14W	E 182
JIM, 104I/3W, 4E	E 232
JIMMIE, 82F/16W, 15E, 10E ...	E 53, E 54
JJ, 92I/2E	E 138
JJ, 92I/7W	E 146
JJJ, 92H/7E	E 125
JO, 82E/1W	E 12
JOAN, 92E/16W	E 108, E 109
JOB, 92F/16W	E 117
JOE, 82E/2W	E 19
JOE, 82F/16W, 15E, 10E	E 53, E 54
JOE, 82M/3W	E 87
JOE, 93L/2W; 93E/15W	E 191
JOE, 104I/7E, asbestos	E 248
JOEY, 93E/15W	E 185
JOHN, 82E/1W, ochre	E 252, E 253
JOHN, 82K/6E	E 65
JOHN, 92H/10W	E 131
JOHN, 92J/15E, jade	E 251
JOHN BULL, 92F/15E	E 116
JOKER, 92I/9W, <i>see</i> JD, A	E 150
JON, 92G/12W	E 119, E 120
JOSIE, 93L/14W	E 198
JOY, 82E/9W	E 29
JOY, 92C/16E	E 107, E 108
JOY, 92H/5W	E 122, E 123
JOY, 93N/9W	E 202
JR HARVEY, 104N/5W	E 238
J.R. Woodcock Consultants Ltd.,	
BOYD, 82K/14W	E 71
CHERRY, 82L/8W	E 81, E 82
SEYMOUR, 82M/7W	E 94
SLIDE, 82M/10E	E 98
JUAN, 92C/8E	E 106
JUDY, 82E/1W	E 12, E 13
JUDY, 92I/2W, <i>see</i>	
LEADVILLE (COMSTOCK, LUCKY	
TODD)	E 139, E 140
JUMBO, 82E/2W	E 17, E 18

	Page
JUMBO, 92I/9W	E 154, E 155
JUNE, 82E/10W, 11E	E 33
JUNE, 92E/9E	E 108
JUNIPER, 82F/14E	E 52
JUPITER, 94C/5E	E 213
JW, 93N/2W	E 201
JW, 104I/2E, jade	E 251

K

K, 82M/4E	E 90, E 91
K, 92P/8E	E 176, E 177
K, 93F/6E	E 185, E 186
K, 93L/14W	E 197, E 198
K, 104P/4E	E 245
Kaiser Resources Ltd.,	
coal,	
Greenhills, 82J/2W	E 265
Michel Mines, 82G/10, 15	E 265
Sparwood, 82G/10W	E 266
Taylor Mountain East, 82G/10	E 263
KAKETSA, 104J/4W	E 235
KAM, 92I/9W	E 153
KAR, 92F/1W	E 109
KAREN, 92I/9W	E 154
KAT, 104P/4E	E 245
KATH, 94B/3W	E 210
KATHIE, 82F/14W	E 52
KATHY, 92G/10W	E 118
KC, 104I/1W	E 231
Kechika map sheet, 94L	E 219
Keda Resources (1973) Ltd.,	
AU, 82L/6W	E 80, E 81
TC, SPUR (DRG),	
92I/10E	E 156, E 157
KEEGAN, 92F/7E	E 112
KEN, 92I/7W, 6E	E 145
KEN, 92L/11W	E 174
KENA, 82F/6W	E 46
Kendal Mining and Exploration	
Company Limited,	
DC, 82F/4W	E 45
Kennco Explorations, (Western) Limited,	
CHAPPELLE, 94E/6E	E 216, E 217
Kennedy, B.	E 242
KENTUCKY, 92I/9W	E 152
KER, 82E/5W	E 24
Kerr Addison Mines Limited,	
CHANNEL, 82L/3E	E 77
COPPER QUEEN (S),	
82M/1E, 8E	E 86, E 87
CRESCENT, 82L/3E	E 76
DELL, 82E/10W	E 30
KING, 82L/3	E 75
KNIGHT, 82E/14W	E 36, E 37
ROD, 82L/3E; 82E/14E	E 75
VAL, 82L/2W	E 74

	Page
Kerr, J. R.	E 27, E 29, E 167
KERRY, 103J/2E	E 208
KETTLE, 82E/14E	E 37, E 38
KETTLE, 92J/15W	E 170
KEY, 82M/8W	E 95
KEY, 92I/9W	E 152
KEY, 104N/11W	E 240, E 241
KEYSTONE, 82M/8W	E 95
KID, 104A/4W	E 221
KIETH, 82F/6E, building stone	E 249
KIK, 92I/6E	E 143, E 144
KIM, 82G/12W	E 59
KIM, 92P/15W	E 178
KIM, 93F/13E, perlite	E 253
KIM, 103G/8E	E 206, E 207
KING, 82K/3E	E 63, E 64
KING, 82L/3	E 75
KING, 92J/16E	E 171
KING GEORGE, 92H/16W	E 137
KING HENRY II, 104G/9W, 16W ...	E 226
KING HENRY IV, 104H/13W	E 228, E 229
KING JAMES, 82L/14W	E 85
KING RICHARD III, 104H/13W	E 228, E 229
KING SOLOMON, 82E/2W	E 17, E 18
KINGFISHER, 82L/10E	E 82
KINGPIN, 92I/9W	E 151
Kintla Explorations Limited, COMMERCE, 82G/1W	E 55, E 56
FORUM, 82G/1E	E 55
LIN, 82G/1W	E 55
OPAL, 82G/1E	E 54
Kirsch, M.	E 48
KITTY, 104H/13W	E 229
K.L. Daughtry & Associates Ltd., CHANNEL, 82L/3E	E 77
VAL, 82L/2W	E 74
KLO, 82E/14W	E 36
Klondex Mines Ltd., KLO, 82E/14W	E 36
KNIGHT, 82E/14W	E 36, E 37
KOKANEE, 82F/10W, limestone	E 251
Komperdo, John	E 66
Korun, Boris	E 250
Kost, Antonius, Jr.	E 15
KRIKER, 94C/3E	E 212
KRIS, 104I/1W	E 230, E 231
KRO, 82G/2E	E 56
Kruzick, John	E 42, E 101
KS, 82M/8W	E 96
KU, 92H/5W	E 124, E 125
Kuhn, Theodore	E 179
Kuhn, William	E 255
KUTCHO, 104I/2E	E 232

Kutcho Creek Asbestos Company Limited, KUTCHO CREEK (LETAIN), 104I/7E, asbestos	E 248
KYDIDLE, 92K/2E	E 171, E 172

L

L, 92I/14W	E 162
L, 92P/8E	E 176, E 177
L, 93F/6E	E 185, E 186
Lacana Mining Corporation, BASALT, 82E/14E	E 37
DENT, 82L/12W	E 82, E 83
McNULTY, 92H/8E	E 128, E 129
TRAP, 82E/10W, 11E	E 33
LADY LUCK, 94K/6	E 218
LAKE, 82M/9W	E 98
LAKE, 82M/12W	E 100, E 101
LAKE, 93L/2W, 3E; 93E/15W	E 191
LAKE, 104P/4E	E 245
LAKE VIEW, 82F/3W	E 43
Lakes, John R.	E 16
Lakewood Mining Co. Ltd., SANTA, 92J/3E	E 166
LAKEVIEW, 92P/9W	E 177
LANCASTRIAN ROSE, 104H/13W	E 228, E 229
LAP, 92F/10E, 15E	E 113, E 114
LAR, 82K/11W	E 69
Lardeau map sheet, 82K	E 62
LAST CHANCE, 82F/3E	E 41
LAST CHANCE, 82M/4E	E 91
LAST CHANCE, 92J/9E; 92I/12W ..	E 167
LAST CHANCE, 93L/14W	E 198
LAST ROSE OF SUMMER, 104H/13W	E 228, E 229
Le May, John	E 29
LEADVILLE, 92I/2W	E 139, E 140
LEAF, 93A/14W	E 182, E 183
LEAH, 104K/7E	E 237
LEAL, 82L/3	E 74, E 75
LEE, 93A/11W	E 179, E 180
LEECH, 92B/12W	E 103
Leftrook, Robert	E 64
LEG, 93F/15E	E 187
LEGAL TENDER, 92J/9E; 92I/12W	E 167
Lemans Resources Ltd., ERIC, 82M/1E	E 86
Lenard, Neal Curtis	E 56
LENS, 104B/1E	E 221, E 222
LEO, 82E/2W	E 18
LEO, 104H/12W	E 227
Leontowicz, Peter	E 44, E 63
Lepinski, John B.	E 47
LEROI, 92F/10E	E 113

	Page
LESLIE, 82L/13W	E 83
LET, 104I/7E	E 232, E 233
LETAİN, 104I/7E, asbestos	E 248
LG, 82E/4W	E 22, E 23
LH, 92H/5W	E 122, E 123
LI, 82E/4W	E 22, E 23
LIA, 104I/7E, asbestos	E 248
Liard Copper Mines Ltd.,	
LIARD COPPER (BIRD,	
SNO), 104G/6E, 7W	E 224
LIB, 93L/9E	E 195
LIBRA, 104H/12W	E 227
LIG, 82E/4W	E 22, E 23
LIKE, 93A/11W	E 179, E 180
LILIAN, 82F/16W, 15E, 10E ...	E 53, E 54
LILY, 93F/15E	E 187
LIME, 92F/10E	E 113
LIME, 104K/8E	E 237
limestone	E 251
LIMITED, 93L/14W	E 198
LIN, 82G/1W	E 55
LIN, 104I/1W	E 230, E 231
LINDA, 82F/4W	E 44
LINE, 104N/10W	E 239
LINK, 92I/6E	E 143
Lisle, T. E.	E 28, E 180
LITTLE GOAT, 104G/9E	E 225, E 226
LITTLE NUGGET, 92B/13W	E 104
Livgard, Egil	E 21
LIZ, 93L/14W	E 197, E 198
LK, 92I/2E	E 138
LL, 92I/6E	E 142, E 143
LL, 104G/6E, 7W	E 224
LM, 82L/10E	E 82
LMC, 92F/10E	E 113
LMC Resources Ltd.,	
RAINBOW, 92I/9W	E 155
LO, 92I/7W	E 144
LOCK, 93A/12E	E 181
LODE, 92H/10W	E 131
LODGE, 82G/7W, phosphate	E 255
Lodgepole, 82G/7, coal	E 261
LOG, 92I/10E, 15E	E 158
LOGAN, 92G/8E	E 117, E 118
LOGJAM CREEK, 104O/13E	E 243
LOGTUNG, 104O/13E	E 243
Logtung Resources Limited,	
CX, FOX, 104N/10	E 238
LOMOND, 82F/3W	E 43
LON, 104P/7E	E 246
LONDON, 82K/3E	E 63, E 64
Long Lac Mineral Exploration Ltd.,	
HC, 82E/8W	E 28
Longbar Minerals Ltd.,	
BOLIVAR, 92F/15E	E 115, E 116
JOHN BULL, FLORENCE,	
92F/15E	E 116

Longbar Minerals Ltd. (continued),	
SPUZ, 92H/11W	E 133, E 134
STEM, 92H/11W	E 133
SUNDOWN, 92G/14W	E 119, E 120
WAR, 92G/12W	E 119
LONNIE, 93N/9W	E 202
LOPE, 82K/3W	E 64
Lorado Mining Corp. Ltd.,	
SV, 92I/6E	E 143
LOREX, 92I/6E	E 143
LORI, 92G/10W	E 118
LORNA DOONE, 82F/14W	E 51
LORNE, 93L/7E	E 193
LORNEX, 92I/6E, see	
LOREX	E 143
Lornex Mining Corporation Ltd.,	
LOREX (BEAR),	
92I/6E	E 143
LORRI, 92L/11W	E 174
LOST, 93A/14W	E 182, E 183
LOU, 92H/15E	E 136
LOU, 93L/13E	E 197
LOU DILLON, 82F/14E	E 52
LOUISE LAKE, 93L/13E	E 197
Low, A.	E 103, E 249
Lowry, Cleveland S.	E 85, E 118
LS, 92I/9W	E 154, E 155
LUCKY, 82J/5W	E 61
LUCKY BOY, 82K/12E	E 69, E 70
LUCKY COON, 82M/4E	E 91
LUCKY JACK, 92J/9E; 92I/12W ...	E 167
LUCKY JAY, 82K/12E	E 69, E 70
LUCKY JIM, 82F/3E	E 41
LUCKY JIM, 92H/5W	E 122, E 123
LUCKY STRIKE, 92H/9W ...	E 129, E 130
LUCKY STRIKE, 92I/9W	E 154, E 155
LUCKY STRIKE, 92I/16W	E 164
LUCKY TODD, 92I/2W	E 139, E 140
LULA BELLE, 82K/11W	E 69
LUN, 92F/15E	E 116
Luscar Ltd.,	
coal, 92F/11, 14W	E 266
Lustre Gold Mines Inc.,	
SHEILA, 82E/3E	E 20
LUX, 82E/2W, see XUL	E 16, E 17
Lux, J.	E 91
LV, 92P/9W	E 177
LYN, 92H/5W	E 122, E 123
LYNN, 92I/6E	E 143
LYNN, 92I/7W, 6E	E 145
LYNN, 92I/7W	E 146
LYTTON, 92J/9E; 92I/12W	E 167

Mc and Mac

McAndrew, J.	E 127, E 192, E 194
McAndrew, Marie-Paule F.	E 194

	Page
McAskill, John A.	E 149
McBean, R.	E 256
McConnell Creek map sheet, 94D	E 213
McDame map sheet, 104P	E 243
MacDonald, G. A.	E 107
MacDUCK, 94L/4W	E 219
McEwan, Thomas D.	E 106, E 112
McGILLIVRAY, 82M/4E	E 91
McGoran, John	E 112, E 165
McIntyre Mines Limited, BIGFOOT (SASQUATCH), 92H/5W	E 124
BODINE, 93N/12W	E 203
McIver, R.	E 173
McKEE CREEK, 104N/5W	E 238
MacKenzie, Eric N.	E 109
McLatchie, 82G/7, coal	E 261
McLean, Robert	E 142
McLEOD, 92F/10E, 15E	E 113, E 114
McLeod, J. N.	E 120
McLeod, J. W.	E 41, E 43, E 114
McLeod Copper Ltd., <i>see</i> MCP Resources Corporation	E 42, E 43
McLeod Lake map sheet, 93J	E 187
McNULTY, 92H/8E	E 128, E 129

M

M, 82F/3E	E 42, E 43
M, 92H/7	E 125
M, 92I/14E	E 162, E 163
M, 93L/14W	E 197, E 198
MABEL, 82E/2W	E 18
MAC, 104I/3W, 4E	E 232
MACH, 92L/12W	E 175
MACK, 104J/8W	E 236
MAD, 92H/5W	E 123
MAG, 82J/13E, magnesite	E 252
MAG, 92I/14W	E 162, E 163
MAGGIE, 92I/14W	E 162, E 163
magnesite	E 252
MAJ, 92H/11W	E 133, E 134
MAMMIE, 82E/1W	E 13, E 14
MAMMOTH, 82E/1E	E 12
MAMMOTH, 93L/14W	E 198
MAN, 92I/11W	E 161, E 162
Manifold, A. H.	E 113
MANITOBA, 92F/9E	E 112
Manson River map sheet, 93N	E 201
MAP, 82E/1W, ochre	E 252, E 253
MAPLE LEAF, 82M/9W	E 98
MAR, 92I/2E	E 138, E 139
MAR, 92I/11W	E 160, E 161
MARBLE BAY, 92F/10E, 15E	E 113, E 114
MARC, 82E/11E, 6E	E 33, E 34
MARGE, 82M/3W, <i>see</i> RED, FIR	E 87

	Page
Marge Enterprises Ltd., PAT, NAN, 104K/6W	E 236
MARGIE, 92B/13W	E 104
MARINER, 93A/11W	E 179
Mark, David G.	E 153
Marlow, Alan E.	E 69
Marlow, Chuck	E 165
MARS, 82M/8W	E 95
MARS, 94D/1W	E 213
Marshall, Charles	E 25
MARTEL, 92I/11W	E 160, E 161
MARTHA JANE, 82M/8	E 94, E 95
MARTIN, 82J/4E, gypsum	E 250
MARY MAC, 92J/15E	E 171
MARY O, 82E/11E, 6E	E 33, E 34
MARY REYNOLDS, 92I/8W	E 149
MARY-C, 93L/2W; 93E/15W	E 191
MARY-O, 93L/2W; 93E/15W	E 191
MARY-R, 93L/2W; 93E/15W	E 191
Mascot Mines & Petroleum Limited, XUL, 82E/2W	E 16, E 17
MASTER, 82K/8W	E 66
MASTADON, 82E/1E	E 12
MASTODON, 82E/1E	E 12
MATT, 104N/11W	E 240, E 241
MATT, 104I/7E, asbestos	E 248
Mattagami Lake Mines Limited, CY, 104N/10W, 11E	E 239
ELAINE, 104K/7E	E 237
FISSION, 82L/3E; 82E/14E	E 75, E 76
MAUR, 94B/3W	E 210
MAURICE, 82E/13W	E 35
MAX, 92H/1W	E 121, E 122
MAX, 93M/6E	E 201
MAX, 104B/7E	E 222
MAY, 82E/2E	E 14
MAY, 82E/2E	E 14, E 15
MAY, 92H/7E	E 127
MAY, 92I/9W	E 154, E 155
MAY, 104I/9E	E 233
MAY, 104G/7W, <i>see</i> RUN (BE)	E 224, E 225
MAYBEE, 82K/11W	E 69
Mayers, Lance	E 142
MAYFLOWER, 82K/3E	E 63
MAYFLOWER, 92G/16W	E 121
Maynes, F. G.	E 245
MBM, 92K/2E	E 171, E 172
MC, 82L/10E	E 82
MC, 92G/12W	E 119
MC, 104I/1W	E 231
MC, 104K/8E	E 237
MC, 104P/4E	E 245
MCP Resources Corporation, M, 82F/3E	E 42, E 43
MEAD, 92C/8E	E 106

Medesto Exploration Ltd.,			
ATLAS, RR, 82K/15W	E 71, E 72	MINERAL HILL, 93L/10E	E 195, E 196
PH, WW, 82G/7E,		MINERAL HILL A, 93L/10E	E 195, E 196
phosphate	E 254	MINERAL HILL B, 93L/10E	E 195, E 196
RAD, 82K/8W	E 65, E 66	MINERAL KING, 92J/16E	E 171
MEDOL, 82F/3W	E 43	MINERAL ZONE, 104B/1E	E 221, E 222
MEG, 104I/7E	E 232, E 233	MINIMAX, 104B/7E	E 222
MEL, 82K/13W	E 70, E 71	Minken, Douglas	E 252
Mentor Exploration and		MINOTAUR, 94E/13E	E 217
Development Ltd.,		MINT, 92I/9W	E 154, E 155
VICTORY, 82F/3E	E 41	MINTO, 82M/8	E 94, E 95
MERCURY, 92O/2	E 176	MIR, 104N/10W	E 239
MEREDITH, 82E/1W	E 12, E 13	MIRKWOOD, 104G/9E	E 225, E 226
Meridian Resources Limited,		MITCHELL, 104B/9	E 223
LAKEVIEW, RED, PYCU,		MISTY MOUNTAINS, 104G/9E	E 225, E 226
92P/9W	E 177	MK, 82M/4E	E 90
WELCOME, BRACEBRIDGE		ML, 82E/10W	E 30
(DON, JOE),		ML, 82K/15W	E 71, E 72
82F/16W, 15E, 10E	E 53, E 54	MM, 92I/14E	E 162, E 163
Merv Engineering Ltd.,		MO, 92I/7W, 6E	E 145
LOMOND, 82F/3W	E 43	MO, 92I/14E	E 162, E 163
Meroniuk, Bill	E 82	MO, 92L/12W	E 175
Merrington, T. W.	E 251	MOE, 92L/12W	E 174, E 175
MESS, 104G/6E, 7W	E 224	MOE, 104I/1W	E 230, E 231
Metallgesellschaft Canada Limited,		MOLY, 82M/8W	E 96
COMPLEX, COPPER KING,		MOLY, 93K/3E	E 188
82M/7W	E 94	MOLY, 103P/6W	E 209
T, SNAKE EYES,		MOLY, 104K/6W	E 236
82M/7W	E 93	Moll, W.	E 194
WIGWAM, 82K/13W	E 70, E 71	MOLLIE, 92B/13W	E 104
MG, 93J/1W	E 187, E 188	MOLLY, 94C/2W	E 211
MG, 93M/6E	E 201	MONA, 93L/10E	E 196, E 197
Michaud, Joseph	E 116	MONEY, 104H/12W	E 227
Michel Mines, 82G/10, 15, coal	E 165	MONEY-MAKER, 92G/14E;	
Mickle, R.	E 172	92J/3E	E 121
MID, 93A/14W	E 182, E 183	MONICA, 82F/16W, 15E, 10E	E 53, E 54
Mid Mountain Mining Ltd.,		MONITOR, 82M/8	E 94, E 95
GOLD BRICK, 93L/7E	E 193	MONS, 92B/13W	E 105
MIDNITE, 82E/1W	E 12, E 13	MONS, 104B/1E	E 221, E 222
MIDWAY, 82E/1W	E 12, E 13	MONT, 104N/11E	E 240
MIDWAY, 82E/2W	E 15	MOORE, 92F/13E	E 114
MIK, 92P/15W	E 178	MORAIG, 82E/10W	E 31, E 32
MIKE, 93L/2W; 93E/15W	E 191	Mores, A.	E 50
MIKE, 94B/3W	E 210	MORIA, 82K/8W	E 65, E 66
MILDRED, 92B/13W	E 104, E 105	MORICE MOUNTAIN, 93L/7W	E 193
MILE 8, 82L/10E	E 82	MORNING STAR, 82M/1E	E 86
MILE 12, 82L/10E	E 82	MORNING STAR, 92I/9W	E 152
MILL, 104P/4E	E 245	Morvay, A.	E 70
Miller, A. R.	E 248	MOSE, 82E/1E	E 12
Miller, Dorothy	E 122	MOSQUITO KING, 82M/4E, <i>see</i>	
Miller, Harry	E 100	HILTEC	E 88, E 89
Miller, Isaac	E 122	MOSQUITO KING, 82M/4E, <i>see</i>	
Miller, Joseph T.	E 100	MK, ORO	E 90
Miller, R. J.	E 182	MOTASE A, 94D/3W	E 214
Miller-Tait, Mona (Mrs.)	E 213	Mt. D'Arcy Explorations Ltd.,	
MIN, 82K/3W	E 64	CEE, 92H/8W	E 127
MINE, 92F/13E	E 114	Mount Moberly, 82N/7W, silica	E 256
		Mount Spieker, 93P/3, coal	E 271

	Page
Mount Waddington map sheet, 82N . . .	E 175
Mount Washington Copper Company Limited, MT. WASHINGTON COPPER, 92F/14	E 115
MOUNTAIN, 82K/11W	E 69
MOUNTAIN GIRL, 104B/1E	E 222
MOUNTAIN LION, 82E/9W	E 28
Mountain Minerals Limited, Mount Moberly, 82N/7W, silica	E 256
MOUNTAINEER, 82F/3E	E 42
MP, 82M/4E	E 88
MR, 92I/9W, <i>see</i> WINDSOR	E 151
MRO, 92I/9W	E 154, E 155
MS, 92I/2E, <i>see</i> CHATKO	E 138
MU, 104G/6E, 7W	E 224
MUN, 82E/12W	E 35
MUNRO, 104B/1E	E 221, E 222
MUNROE, 82J/3E	E 60
MUNSTER, 82E/9W	E 29
Murphy, Henry S.	E 64
MWC, 92F/14	E 115
MY, 82E/11E, 6E	E 33, E 34
MZ, 92H/5W	E 122, E 123

N

N, 104I/7E, asbestos	E 248
NA, 104P/4E	E 245
NABOB, 93L/7E	E 193
NABOB, 103J/2E	E 208
NAD, 93L/2E	E 190
NADINA, 93L/2E	E 190
Nadina Explorations Limited, SILVER QUEEN (NADINA), 93L/2E	E 190
Nagy, George L.	E 121, E 134, E 135
Nahatlatch Resources Ltd., RAINBOW, 92I/9W	E 155
NAN, 104K/6W	E 236
NANA, 82L/4W	E 79
NANCY, 82J/13E, magnesite	E 252
NANNY GOAT, 104G/9E	E 225, E 226
NAP, 92I/8W	E 149, E 150
NAP, 92J/15W	E 170
Nass River map sheet, 103P and part of 103O	E 208
National Trust Company Limited, The, POPLAR, 93L/2W, 3E; 93E/15W	E 191
Sukunka Property, 93P/4E, coal	E 272, E 273
NATIVE, 93L/15W	E 199
NATIVE SILVER, 104B/1E	E 221, E 222
NBC Syndicate, JW, JEAN, 93N/2W	E 201

NC, 82M/4W	E 91
NECH, 93F/7E	E 186
Nechako River map sheet, 93F	E 185
NED, 92I/10E	E 157
NED, 93F/6E	E 185, E 186
NED, 104P/4E	E 245
Neilson, Murray B.	E 179
Nelson map sheet, 82F	E 41
NEOX, 92F/10E	E 113
NEPA, 92I/11W	E 161, E 162
Nephro-Jade Canada Ltd., JW, 104I/2E, jade	E 251
NET, 93L/1W	E 189, E 190
NETTIE L, 82K/11W	E 69
NEVADA, 82M/7W	E 94
NEW, 82K/8W	E 65, E 66
NEW ANN, 92I/7W, 6E	E 145
NEW BUCK, 93L/7E	E 193
New Congress Resources Ltd., CONGRESS (STIBNITE, ACE), 92J/15W	E 170
New Denver Explorations Ltd., ROGERS (FEB), 92I/9W	E 153
New Frontier Exploration Inc., SILVER QUEEN (NADINA), 93L/2E	E 190
NEW IDE, 92I/7W, 6E	E 145
New Jersey Zinc Exploration Company (Canada) Ltd., JACKPOT, 82F/3E	E 43
NEW KEN, 92I/7W, 6E	E 145
New Mine Resources Ltd., WINDSOR, 92I/9W	E 151
New Minex Resources Ltd., CLARKE, CU, 92I/7W	E 145
Newconex Canadian Exploration Ltd., CAN, 93B/16E	E 183
NAP, 92I/8W	E 149, E 150
PR, 93A/12W	E 180
Newmont Exploration of Canada Limited, LUCKY BOY, COPPER CHIEF, 82K/12E	E 69, E 70
Newson, N.	E 89
Newvan Resources Ltd., HI, HO (SPRING LAKE), 92F/16W	E 117
Nichimen Resources Limited, Mount Spieker, 93P/3, coal	E 271
NICOLA, 92I/2E	E 139
Nicola Copper Mines Ltd., CHROME VANADIUM, 82L/4W	E 79
NIGHTHAWK, 92I/9W	E 154, E 155
NIK, 94D/9E	E 215
NIMSIC, 82M/12W	E 101

	Page
PAL, 92I/14E	E 164
PALM, 82G/5W	E 58
Pamex Mining Ltd.,	
EX 1, SPAR,	
82M/4E	E 90, E 91
MP, 82M/4E	E 88
PAN, 82E/1E	E 12
Pan Acheron Resources Ltd.,	
MO, 92L/12W	E 175
Pan Canadian Petroleum Limited,	
SOL (HAVILAH; STORM),	
92F/2E	E 110
PANAMA, 82K/3E	E 63, E 64
PAR, 92H/15E	E 135
PARIS, 92F/15E	E 116
PARK, 93A/14W	E 182, E 183
PARKVIEW, 92I/8W	E 148, E 149
PARMAC, 82K/13W	E 70, E 71
Parmac Mines Ltd.,	
WIGWAM, 82K/13W	E 70, E 71
Pasieka, C. T.	E 165
Passchier, Dorothy M.	E 115
PAT, 82M/3W	E 87
PAT, 82M/9W	E 97
PAT, 104A/4W	E 221
PAT, 104I/3W, 4E	E 232
PAT, 104J/4E	E 234
PAT, 104K/6W	E 236
PATO, 104N/11W	E 240
PATRICIA, 82E/10W	E 31, E 32
PAW, 92I/9W, <i>see</i>	
WINDSOR	E 151
PAYROLL, 92I/2E, <i>see</i>	
NICOLA	E 139
PB, 82E/14E, 11E	E 38
PC, 82L/14W	E 85
PCR, 92H/11W	E 131-E 133
Peace River Coalfield	E 268
PEACH, 104K/8E	E 237
PEAR, 104K/8E	E 237
Peckham, L. E.	E 144
PEG, 92B/12W, beryl	E 249
PEM, 93F/2W	E 185
Pernberton map sheet, 92J	E 165
PEN, 82E/2W	E 19
PENNY, 93A/14W	E 182, E 183
Penticton map sheet, 82E	E 12
Peregrine Petroleum Ltd.,	
DELL, 82E/10W	E 30
GOAT, 82E/11E, 14E	E 34
perlite	E 253
PETE, 92I/6E	E 143
PETER, 93L/2W; 93E/15W	E 191
Petra Gem Explorations Ltd.,	
RAINBOW, 93L/15W	E 199
PH, 82G/7E, phosphate	E 254
PHD, 82K/6E	E 65

	Page
Phillips, Cora R.	E 170
phosphate	E 253
PHYLLIS, 92I/7W, 6E	E 145
PIERRE, 92F/15E	E 115
PINE, 82M/4W	E 92
PINE, 93L/2W, 3E;	
93E/15W	E 191
Pine Pass map sheet, 93O	E 204
Pine Valley Explorers Ltd.,	
MARY REYNOLDS,	
92I/8W	E 149
PIONEER, 82F/3W	E 43
PIPE, 92H/11W	E 134
Piper Petroleums Ltd.,	
PRIMER (KING GEORGE, OB,	
OC), 92H/16W	E 137
PIPESTEM, 92H/11W	E 131-E 133
PIRATE, 103J/2E	E 208
PIT, 104G/6E, 7W	E 224
PITCH, 93N/9W	E 202
PISCES, 104H/12W	E 227
PITT, 82F/9E	E 47, E 48
PL, 93L/15W	E 199
Placer Development Limited,	
BLUE GROUSE,	
92C/16E	E 107, E 108
CX, FOX, 104N/10	E 238
PLAIN, 92G/12W	E 119
Plicka, Paul	E 196
PLUM, 104K/8E	E 237
PLUTO, 82E/14W	E 35, E 36
PM, 92I/6E, <i>see</i> LOREX	E 143
POCO, 94B/3W	E 210
POCO A, 94B/3W	E 210
POCO B, 94B/3W	E 210
POCO C, 94B/3W	E 210
POLARIS, 82F/9E, <i>see</i>	
PITT	E 47, E 48
POLARIS, 82G/12W	E 59
POLARIS, 94C/5E	E 213
Polischuk, Paul	E 141, E 168
POLVO, 82E/4E	E 22
POMEGRANITE, 104K/8E	E 237
POND, 104N/11W	E 240, E 241
POOL, 82E/14W	E 36
POP, 82F/3E	E 42
Pope, D. David	E 50
POPLAR, 93L/2W, 3E;	
93E/15W	E 191
POPPY, 82E/2W, <i>see</i> COPPER MINE,	
KING SOLOMON	E 17, E 18
Porayko, Stan	E 203
Porcher Island Gold Mines Ltd.,	
EDYE PASS, SURF POINT,	
103J/2E	E 208
Postuk, Peter	E 104
POT, 92F/16W	E 117

	Page
POT, 92H/5W	E 122, E 123
POT, 92J/15W	E 170
Power Reactor & Nuclear Fuel Development Corporation, DONEN, 82E/10W	E 31
PB, 82E/11E, 14E	E 38
Powney, C. S.	E 202, E 253
PR, 93A/12W	E 180
PRESIDENT, 82K/6E, 7W	E 65
PRIME, 92H/16W	E 137
PRIMER, 92H/16W	E 137
PRINCE, 92H/7E	E 127
Prince George map sheet, 93G	E 187
PRINCE OF INDIA, 92I/9W	E 152
Prince Rupert map sheet, 103I and part of 103J	E 207
Prism Resources Ltd., ASH, NOLA, 92H/1W	E 121, E 122
PROSPER, 92F/5E	E 111
PROSPEX, 92L/7	E 173, E 174
PROVIDENCE, 93A/11W	E 179, E 180
PULLMAN, 82F/14E	E 52
PUM, 104G/6E, 7W	E 224
PURCELL, 82F/14E	E 51
PURPLE ROSE, 104N/11W	E 240
PV, 92I/8W	E 149
PY, 82E/3W	E 21
PY, 92I/14E	E 163
PY, 104I/1W	E 230, E 231
PYCU, 92P/9W	E 177
PYTHON, 92I/9W, <i>see</i> EVENING STAR (GALAXY)	E 152
PYRITE, 92I/14E	E 163
Q	
Q, 92H/1W	E 121, E 122
QC, 104G/9W, 16W	E 226
QQ, 92B/13W	E 105
QR, 93A/12W	E 180
Quadra Bell Mining Co. Ltd., COPPER BELL, 92K/3W	E 172
QUEBEC, 92F/9E	E 112
Quebec Cartier Mining Company, BLUE, 104I/9W, 16W	E 234
QUEEN, 82K/3E	E 63, E 64
QUEEN, 92H/7E, 8W	E 126
QUEEN, 92O/2	E 176
QUEEN BEE, 92B/13W	E 104
Quasnel map sheet, 93B	E 183
Quasnel Lake map sheet, 93A	E 179
Quintana Minerals Corporation, BTU, 92H/8W	E 128
COTTONWOOD, 82F/6W	E 46
GRASSLAND BONANZA, 92I/2E	E 138

Quintana Minerals Corporation (<i>continued</i>), HOMESTEAD, 92H/15E	E 135
LEADVILLE (COMSTOCK, LUCKY TODD), 92I/2W	E 139, E 140
LUCKY STRIKE (FH, BONACCI ?), 92H/9W .	E 129, E 130
NICOLA, 92I/2E	E 139
Quintette Coal Limited, Quintette Project, 93I/14, 15; 93P/3, coal	E 270, E 271
QUINTO, 92I/14E	E 164
Quinto Mining Corporation, The, FAIRVIEW (PAL, QUINTO), 92I/14E	E 164

R

R, 82E/4E	E 22
R, 82L/10E	E 82
R, 92I/14E	E 162, E 163
R, 93L/14W	E 197, E 198
R, 103P/6W	E 209
RAD, 82E/4W; 92H/1E	E 23
RAD, 82K/8W	E 65, E 66
RADAR, 82E/1W	E 12, E 13
RAF, 104H/12W	E 227
RAIN, 93L/7W	E 193
RAINBOW, 92I/9W	E 155
RAINBOW, 93L/15W	E 199
RAINBOW NE, 92I/9W	E 155
RAINBOW NW, 92I/9W	E 155
RAINBOW SE, 92I/9W	E 155
RAINBOW SW, 92I/9W	E 155
Rainbow Syndicate, SOO, 92J/2W	E 165
Rainier Energy Resources Inc., Dowling Creek, 93O/16, coal	E 273, E 274
RALPH, 82E/1W	E 12, E 13
RALPH, 82N/7W, silica	E 256
RAM, 82G/2E, phosphate	E 254
RAM, 82M/4E, <i>see</i> AXL 2	E 89, E 90
RAM, 92H/15E	E 136
RAM, 104I/9E	E 233
RAT, 94E/2W	E 216
RATTLER, 82K/11W	E 69
RAWDON, 82F/14E	E 51
RD, 104H/13W	E 228
RED, 82M/3W	E 87
RED, 92K/7W	E 172, E 173
RED, 92P/9W	E 177
RED, 93A/12E	E 181
RED, 93L/2W	E 192
RED, 93L/15W	E 198, E 199
RED, 104H/12W	E 227
RED BIRD, 92H/10W	E 131

	Page		Page
RED BOG, 92H/11E	E 133	RMKS, 104I/3W, 4E	E 232
RED DOG, 92C/9E	E 106, E 107	RMM, 82F/3E	E 41
RED HEAD, 92I/9W	E 153	RO, 92I/9W	E 154, E 155
RED HILL, 104P/4E	E 245	ROAD, 93A/12E	E 181
RED NORTH, 104H/12W	E 227	ROB, 82E/2W	E 16
RED RIVER, 104B/8E	E 222	ROBERT, 92J/15W	E 170
RED SOUTH, 104H/12W	E 227	ROBERT DUNSMUIR, 92I/8W	E 149
REEF, 82L/3W	E 77	ROBERTA, 82E/1W	E 12, E 13
REG, 92I/9W	E 151	Robertson, Andrew	E 135
REN, 92C/8E	E 106	Robertson, C. J.	E 46, E 128,
RENFREW, 82F/3W	E 43	E 129, E 135, E 138, E 139
Rennie, C. C.	E 140	ROBYN, 92H/5W	E 123, E 124
RENO, 82E/5W	E 25	ROC, 82L/4W	E 79
Resource Ltd.,		ROCK, 104P/4E	E 245
CARIBOO—HUDSON,		ROCKET, 92I/9W	E 152
93A/14W	E 182	ROCKY, 92C/16E,	
REV, 93L/1W	E 189, E 190	rhodonite, jasper	E 255
review,		ROD, 82L/3E; 82E/14E	E 75
coal	E 255	ROD, 92I/9W	E 154
general statement	E 1	RODA, 92I/9W	E 153
industrial minerals and		RODD, 92H/11W	E 133, E 134
structural materials	E 247	ROGER, 104H/13W	E 228, E 229
metals exploration and		ROGERS, 92I/9W	E 153
prospecting	E 5	ROK, 82G/2E, <i>see</i> KRO,	
REWARD, 103J/2E	E 208	CROFT	E 56
REX, 92I/9W	E 154, E 155	ROK, 82J/13E, magnesite	E 252
REX, 104I/1W	E 230, E 231	RON, 92G/14E, 92J/3E	E 120, E 121
REX, 104I/7E, asbestos	E 248	Rose, G. A.	E 168
RHODES, 92J/16E	E 171	ROSE, 92G/10W	E 118
rhodonite	E 255	ROSE, 104H/13W	E 228, E 229
RIB, 104I/7E, asbestos	E 248	ROSE OF KAPLAN, 104H/13W	E 228, E 229
RIC, 103F/9E	E 206	ROSE OF YORK, 104H/13W	E 228, E 229
Rich Hill Mines Ltd.,		ROSS, 93E/15W	E 185
WINDSOR, 92I/9W	E 151	ROUGH, 94L/8E	E 220
RIDGE, 82L/10E	E 82	ROUNDTOP, 93A/14W	E 182, E 183
RIDGE, 103P/3W	E 208, E 209	ROVER, 82K/12E	E 69, E 70
RIDGE, 104I/7E, asbestos	E 248	ROXANNE, 94C/5E	E 213
Riepe, Rudy C.	E 119	ROY, 92I/6E, <i>see</i> LOREX	E 143
RIGEL, 82G/12W	E 59	RR, 82K/15W	E 71, E 72
Rio Tinto Canadian Exploration		RT, 82K/6E	E 64, E 65
Limited,		RT, 93A/14W	E 182, E 183
A, CUZIN, 82L/7E	E 81	RU, 104N/11W	E 240, E 241
coal, 82G/1, 2	E 261	Ruault, R. E.	E 48
COPPER MINE, KING SOLOMON,		RUBY, 82K/6E, 7W	E 65
82E/2W	E 17, E 18	RUBY, 92G/12W	E 119
HI, HO (SPRING LAKE),		RUBY SILVER, 104B/1E	E 221, E 222
92F/16W	E 117	RUDDOCK CREEK, 82M/15W	E 102
JOE, 82E/2W	E 19	RUGER, 82M/8E	E 96, E 97
MC, 104K/8E	E 237	RUM, 92H/10E	E 130, E 131
ROUNDTOP, BON, PARK,		RUM, 104G/7W	E 224, E 225
93A/14W	E 182, E 183	RUPERT, 92L/11W	E 174
RIV, 93A/12W	E 180, E 181	Ruskin Development Ltd.,	
RIVENDELL, 104G/9E	E 225, E 226	RUM, 92H/10E	E 130, E 131
RIVERSIDE, 82E/2W	E 17	SUNSHINE, 92I/7W	E 144
RJR, 82K/15W	E 71, E 72	Russell, Kenneth	E 66
RKL, 82E/4E	E 22	RUST, 104N/11W	E 241
RMK, 104I/3W, 4E	E 232	RUTH, 82K/2W	E 62, E 63

	Page
RUTH, 93N/12W	E 203
RYE, 92H/5W	E 123
S	
S, 82M/1E, 8E	E 86, E 87
S, 92G/14E, 92J/3E	E 120, E 121
S, 92H/5W	E 122, E 123
S, 93L/14W	E 197, E 198
S&B Mining Enterprises Ltd., MARY MAC (HJ), 92J/15E	E 171
Sabina Industries Ltd., HEWITT - VAN ROJ, 82F/14W	E 51
SAFETY, 93L/14W	E 197
Sage Creek Coal Limited, coal, 82G/1, 2	E 261
SAGITTARIUS, 104H/12W	E 227
ST. JOE, 82G/5W	E 57
ST. JOSEPH, 82G/5W	E 57
SALAL, 92J/14W	E 168
Salk, Mike	E 164
SALMO, 82F/3W	E 43
SAM, 92G/14W	E 120
SAM GOOSLY, 93L/1W	E 189, E 190
SAND, 104P/1E	E 244
SANDY, 82E/9W	E 29
SANDY, 82K/11W	E 69
SANDY, 82M/4W	E 92
SANDY, 82N/7W, silica	E 256
SANDY, 92O/2	E 176
SANTA, 92J/3E	E 166
SANTA EAST, 92J/3E	E 166
SANTA NORTH, 92J/3E	E 166
SANTA SOUTH, 92J/3E	E 166
SANTA SOUTHEAST, 92J/3E	E 166
SARA EAST, 94C/5E	E 213
SARA WEST, 94C/5E	E 213
SASKATCHEWAN, 92F/9E	E 112
SASQUATCH, 92H/5W	E 124
SAT, 93L/16W	E 199, E 200
Saxon Coal Limited, Saxon Project, 93I/8, coal	E 268, E 269
SC, 82L/13E, 14W	E 83, E 84
Scafe, Neal	E 202
Schorn, Terence F.	E 106
SCIMITAR, 82L/14E	E 86
SCM A, 82E/5W	E 25
SCM B, 82E/5W	E 25
SCM C, 82E/5W	E 25
SCORPIO, 104H/12W	E 227
SCOTCH, 82L/13E, 14W	E 83, E 84
SCOTIA, 92I/8W	E 148, E 149
Scott, D. M.	E 103
SD, 82E/1W	E 12, E 13

	Page
Seaforth Mines Ltd., BEND, 82M/10E	E 99
FISSION, 82L/3E; 82E/14E ..	E 75, E 76
L, K, 92P/8E	E 176, E 177
LESLIE, 82L/13W	E 83
SEATTLE, 92B/13W	E 104
Secretariat Resources Inc., LOGAN, 92G/8E	E 117, E 118
SEEL, 92F/9W	E 112
SENECA, 92H/5W	E 122, E 123
S.E.R.E.M. Ltd., JUAN, 92C/8E	E 106
SERENA, 82K/9W	E 67, E 68
SERVANT, 82F/16W	E 54
SEVEN, 103F/8E	E 206
SEVEN EAST, 103F/8E	E 206
SEVEN SOUTH, 103F/8E	E 206
SEVEN WEST, 103F/8E	E 206
SEYMOUR, 82M/7W	E 94
Seymour Arm map sheet, 82M	E 86
SG, 93L/1W	E 189, E 190
SHACK, 93F/14E	E 186
SHADO, 82F/9W	E 48
SHAMROCK, 82M/9W	E 98
Shannon, Harry A.	E 127
SHARON COPPER, 92B/13W	E 105
Sharp Exploration Syndicate, LINDA, 82F/4W	E 44
SHEAR, 92I/9W	E 152
Shear, H. H.	E 144, E 184
SHEBA, 92I/7W	E 146
Sheba Copper Mines Ltd., SHEBA, 92I/7W	E 146
SHEENA, 92G/14W	E 120
SHEILA, 82E/3E	E 20
SHEILA, 93L/2W; 93E/15W	E 191
SHELL, 82E/3W	E 21
Shell Canada Resources Ltd., RIV, 93A/12W	E 180, E 181
Shima Resources Ltd., IDEAL BASIC INDUSTRIES, 92F/10E, 15E	E 113, E 114
TEXADA MINE, 92F/10E	E 113
SHRED, 94D/9W	E 215
SHREW, 92G/9E	E 118
SHREWSBURY, 82F/16W, 15E, 10E	E 53, E 54
Sibilleau, Norman	E 52, E 64
Siemens, Gordon	E 36
silica	E 255
SILVER, 92P/9W	E 177
SILVER, 93L/2E	E 190
SILVER BARS, 104B/1E	E 221, E 222
SILVER CUP, 82K/11W	E 69
SILVER DOLLAR, 104B/1E ..	E 221, E 222
SILVER GLANCE, 82K/3E	E 63, E 64
SILVER LAKE, 93L/14W	E 198

	Page
SILVER MOUNTAIN,	
93A/14W	E 182, E 183
SILVER PICK, 82K/11W	E 69
SILVER QUEEN, 93L/2E	E 190
Silver Standard Mines Limited,	
OX LAKE, 93E/11E	E 183, E 184
RED, CHRIS, SUS, WINDY,	
104H/12W	E 227
SOAB, 82J/3E	E 60
SILVER THOUGHT,	
104B/1E	E 221, E 222
SILVERTIP, 82F/16W, 15E, 10E	E 53, E 54
SILVERTIP, 92H/7	E 125
SIM, 93A/14W	E 182, E 183
Similkameen Coalfield	E 267
Simmons, Del	E 91
Simpson, F. D.	E 197
Simpson, J. W.	E 67, E 68
Sipos, George	E 51, E 52
SJ, 92I/7W	E 147
SK, 92I/6E, <i>see</i> LOREX	E 143
SK, 93L/10E	E 196, E 197
SKARN, 92F/1W	E 109
SKARN, 92F/7E	E 112
SKI, 104J/4E	E 234
SKI, 104P/3E	E 244
SKY, 104P/4E	E 245
SLIDE, 82M/10E	E 98
Smith, H. V.	E 208
Smithers map sheet, 93L	E 189
SMOKE, 93N/11W	E 202
SMRB, 104I/1W	E 231
SNAKE EYES, 82M/7W	E 93
SNO, 92H/5W	E 122, E 123
SNO, 104G/6E, 7W	E 224
SNO, 104P/4E	E 245
SNOW, 82E/1W	E 12, E 13
SNOW, 82M/12W	E 101
SNOW, 104P/6W	E 245, E 246
SNOWBALL, 82E/1W	E 12, E 13
SNOWBIRD, 104N/10W	E 239
SNOWFLAKE, 92H/15E	E 136, E 137
SNOWFLAKE, 92J/15W	E 170
SNOWLAKE, 104A/4W	E 221
SO, 92H/4W	E 122
SO, 104G/4E	E 223, E 224
SOAB, 82J/3E	E 60
SODIUM, 92I/9W	E 154, E 155
SOL, 92F/2E	E 110
SONJA, 82M/12W; 92P/9E	E 101
SOO, 92J/2W	E 165
SOPHIA, 92I/7E	E 148
Sorensen, M. K.	E 72
SOUP, 94D/8E	E 214
Southcan Mining Ltd.,	
DIVIDEND, 82E/5W	E 25
Southeast British Columbia	E 12

Sovereign Metals Corp.,	
GO, 104J/4W	E 235
KAM, RED HEAD, RODA,	
92I/9W	E 153
Spain, Ronald	E 46
SPAM, 92L/11W	E 174
SPAR, 82M/4E	E 90, E 91
SPANAR, 92G/8W	E 117
Sparwood, 82G/10W, coal	E 266
Spatsizi River map sheet, 104H	E 227
Specogna, Efreem	E 107, E 109, E 206
SPECTACULATOR, 104A/4W	E 221
SPID, 92H/11W	E 133
SPIKE, 82E/1W	E 12, E 13
SPIKE, 104G/9E	E 225
SPIRE, 82E/6W	E 26
SPIRIT, 92H/9E	E 129
SPLIT CREEK, 104G/4E	E 223, E 224
SPOKANE, 92H/10W	E 131
SPOT, 82F/3E	E 43
SPRING, 82K/3E	E 63
SPRING, 92F/16W	E 117
SPRING LAKE, 92F/16W	E 117
SPUD LAKE, 92I/7W	E 147
SPUR, 92I/10E	E 156, E 157
SPUR, 94D/2W	E 214
SPUZ, 92H/11W	E 133, E 134
SS, 92C/16E	E 107, E 108
Stadnyk, M. P.	E 148
STAN, 82J/5E	E 61
STAN, 82K/10E	E 68
STANDARD, 82M/8	E 94, E 95
STANDARD, 93L/14W	E 197
Stanley, Corby Hilton	E 123
STAR, 92K/9W, 10E	E 68
STAR, 104J/4E	E 234, E 235
STAR OF THE WEST,	
92F/2	E 109, E 110
STATE, 82E/10W	E 30
STEAMBOAT, 82K/9E	E 67
STEM, 92H/11W	E 133
Stephanishin, Larry	E 36
STEVEN, 92H/6W, jade	E 250
STEWART, 82F/6	E 45, E 46
STIB, 103F/8W	E 205
STIBNITE, 92J/15W	E 170
Stokes, R.	E 180
Stoney Plain Industries Ltd.,	
MC, 92G/12W	E 119
STORM, 92F/2E	E 110
STORM, 104N/10W	E 239
STRANGER, 82F/14E	E 51
Street, Harry J.	E 171
STROMBERG, 92F/9W	E 112
structural materials	E 247-E 257
STUD, 92I/11E	E 159, E 160
STURT BAY, 92F/10E, 15E ..	E 113, E 114

	Page
SUE, 82L/2W, 3E	E 72, E 73
SUE, 94C/5E	E 213
SUE, 104G/6E, 7W	E 224
Sukunka Property, 93P/4E, coal	E 272, E 273
SUL, 104I/7E	E 233
Sumac Mines Ltd., SMRB, 104I/1W	E 231
Sumagro Mining Inc., TOUGH OAKS, 82E/5W	E 25, E 26
Sumdum map sheet, 104F	E 223
SUMMER, 93L/15W	E 199
SUMMIT, 82F/2W, talc	E 256, E 257
SUMMIT, 93L/10	E 195
Summit Mining Co. Ltd., AURUM, IDAHO, PIPESTEM, 92H/11W	E 131-E 133
Summit Petroleum Corp., BORNITE, 93L/8W, 9W	E 194, E 195
SUMMIT QUEEN, 82K/3E	E 63, E 64
SUN, 92I/9W	E 151
SUN, 104G/9E	E 226
SUN, 104P/4E	E 245
SUNBURST, 82F/5W	E 45
SUNDAY, 104N/5W	E 238
SUNDOWN, 92G/12W	E 119, E 120
SUNFLOWER, 82K/3E	E 63
SUNRISE, 92I/9W	E 154, E 155
SUNSET, 82K/11W	E 69
SUNSET, 92J/9E; 92I/12W	E 167
SUNSHINE, 82K/11W	E 69
SUNSHINE, 92I/7W	E 144
SUPER, 82L/6W	E 80
SURF POINT, 103J/2E	E 208
SURPRISE, 82E/1E	E 12
SURPRISE, 82F/16W, 15E, 10E	E 53, E 54
SUS, 104H/12W	E 227
SUS NORTH, 104H/12W	E 227
SUS SOUTH, 104H/12W	E 227
SUS WEST, 104H/12W	E 227
SUSAN, 92B/13W	E 104
Susie Gold Mines Ltd., BEVELEY, 94C/3E	E 212
JUPITER, POLARIS, 94C/5E	E 213
SUT, 104I/1W	E 230, E 231
Sutherland, Ian Graham	E 129
SUZANNE, 92F/15E	E 116
SV, 92I/6E	E 143
SVEA, 104I/1W	E 230, E 231
SWAMPY, 93F/14E	E 186
Sylvester, A.	E 125
SYN, 82E/4E	E 22
SYNC, 94L/8W	E 219

	Page
T	
T, 82M/7W	E 93
T, 92L/12W	E 174, E 175
T, 93L/1W	E 189, E 190
T, 93L/14W	E 197, E 198
TAB, 82E/11E, 15E	E 34
TAB, 92H/15E	E 136, E 137
TAC, 93G/15E	E 187
TACHI, 93L/16E, 9E	E 200
TAD, 82L/4W	E 79, E 80
TAG, 93L/2W, 3E; 93E/15W	E 191
TAI, 82L/2W	E 73
TAIN, 104I/7E	E 232, E 233
Tait, Robert M.	E 213
TAKU, 104K/6W	E 236
talc	E 256
TAN, 92H/4W	E 122
TAN, 93L/1W	E 189, E 190
TAN, 104J/8W	E 235, E 236
TAN, 104P/1E	E 243, E 244
TAR, 92L/11W	E 174
TARA, 82E/1W	E 12, E 13
TARN, 93A/14W	E 182, E 183
Taseko Lakes map sheet, 92O	E 176
TATLER, 82K/8W	E 66
Tatshenshini River map sheet, 114P ..	E 246
TAURUS, 104H/12W	E 227
Taylor Mountain East, 82G/10, coal	E 263
TC, 92I/6E	E 142, E 143
TC, 92I/10E	E 156, E 157
TE, 92F/6W	E 111
Teck Corporation Ltd., Bullmoose, 93P/3, 4, coal	E 272
Burnt River Project, 93P/5W, coal	E 273
RED, 92K/7W	E 172, E 173
TED, 82E/10W	E 30
TED, 92P/9W	E 177
TEDRAY, 104B/9	E 223
TEL, 103G/8E	E 206, E 207
Telegraph Creek map sheet, 104G ...	E 223
TENT, 104I/7E, asbestos	E 248
Tent Mountain, 82G/10E, coal	E 263
TERRACE, 82L/4E	E 78
Terracon Products Ltd., ALLENBY TAILINGS, 92H/7E	E 126
TESS, 82E/11E, 14E	E 34
TEXADA MINE, 92F/10E	E 113
Texasgulf Canada Ltd., BONANZA, ELDORADO, 104H/12E, 13E	E 227, E 228
DPP, 94K/4W	E 218

	Page
Texasgulf Canada Ltd. (continued),	
GOAT HORN, MISTY MOUNTAINS,	
104G/9E	E 225, E 226
QC, 104G/9W, 16W	E 226
RED, CHRIS, SUS, WINDY,	
104H/12W	E 227
ROSE, 104H/13W	E 228, E 229
ROUGH, 94L/8E	E 220
SYNC, 94L/8W	E 219
Texasgulf Inc.,	
BONANZA, ELDORADO,	
104H/12E, 13E	E 227, E 228
DPP, 94K/4W	E 218
GOAT HORN, MISTY MOUNTAINS,	
104G/9E	E 225, E 226
POLARIS, RIGEL,	
82G/12W	E 59
QC, 104G/9W, 16W	E 226
RED, CHRIS, SUS, WINDY,	
104H/12W	E 227
ROSE, 104H/13W	E 228, E 229
ROUGH, 94L/8E	E 220
SYNC, 94L/8W	E 219
TEXISLE, 92F/9W	E 112
THIRD OF JULY, 82K/3E	E 63, E 64
Thompson, W. J.	E 182
THOR, 104N/11W	E 240, E 241
TIGERCAT, 82K/6E	E 64, E 65
TIGER FRACTION, 82E/2E	E 15
TIP, 104P/4E	E 245
TIPPY, 103J/2E	E 208
TIP TOP, 93L/2E	E 190
TISH, 92K/7W	E 172, E 173
TJW, 93A/3W	E 179
TJW B, 93A/3W	E 179
TJW C, 93A/3W	E 179
TL, 82K/12E	E 69, E 70
TM, 92I/2E	E 138, E 139
TML, 92F/10E	E 113
TNW, 92F/6W	E 111
TO, 82M/15W	E 102
TOBY, 103J/2E	E 208
Tofino Mines Ltd.,	
APRIL, 82E/2E	E 14, E 15
WOLFARD, 82E/2E	E 14
TOL, 92I/2E	E 138, E 139
TOLL, 94G/4	E 217, E 218
TOM, 82E/10W	E 30
TOM, 93E/15W	E 185
TOM, 93F/13E, perlite	E 253
Tompson, Gail M.	E 188
Tompson, Willard	E 188
TON, 92I/7E	E 148
TON, 104I/7E, asbestos	E 248
Toodoggone River map sheet, 94E ...	E 216
TOOTHPICK, 92F/10E, 15E ..	E 113, E 114
TOP, 93A/12E	E 181

	Page
TOP, 104P/4E	E 245
TOPPER, 92F/16W	E 117
Tormex Resources Ltd.,	
MACK, 104J/8W	E 236
PAT, 104I/3W, 4E	E 232
TORONTO, 82E/1W	E 12, E 13
TORRENT, 93L/14W	E 197
TOUGH OAKS, 82E/5W	E 25, E 26
Tournigan Mining Explorations Ltd.,	
ATAN, SKI, ADAIR,	
104P/3E	E 244
ENTERPRISE, 104A/4W	E 221
TOW, 92H/7	E 125
TOWSER, 82K/11W	E 69
TP, 82E/16W	E 40, E 41
TRAIL, 104A/4W	E 221
TRAM, 82F/6E	E 46, E 47
TRAMWAY, 92H/11W	E 131-E 133
TRAP, 82E/10W, 11E	E 33
TREADMILL, 82E/1W	E 12, E 13
TREE, 93A/14W	E 182, E 183
TREN, 82F/10E	E 49
Trenaman, R. G.	E 49
TRI, 92F/6W	E 111
Trifaux, R.	E 182
TRIO, 82J/5W	E 61
TRIPOD, 82E/2E	E 14
TRIPOD (APRIL), 82E/2E	E 14, E 15
Tri Power Minerals Corporation,	
DAGO, 92H/15E	E 135, E 136
Tri-Star Resources Ltd.,	
AXL 2, 82M/4E	E 89, E 90
TRIUMPH, 93L/14W	E 197
TRIXIE, 103J/2E	E 208
TROUT, 82E/2W	E 18
Trout, Glen	E 158
TRUE, 92F/10E, 15E	E 113, E 114
Truroc Gypsum Products Ltd.,	
MARTIN, 82J/4E,	
gypsum	E 250
TRUST, 82K/11W	E 69
TRUTCH map sheet, 94G	E 217
TSAH, 93E/12E	E 184
TUC, 104I/1E	E 230
Tuchodi Lakes map sheet, 94K	E 218
TUDOR, 104H/13W	E 228, E 229
TUFF, 82E/1E	E 12
TUFF, 92G/14W	E 120
TUL, 92H/7E	E 127
Tulameen Coal, 92H/7, 10	E 267, E 268
Tully, Donald W.	E 173
Tulsequah map sheet, 104K	E 236
TUNGSTEN QUEEN, 92O/2	E 176
TUPA, 104N/14E	E 242
TURLIGHT, 92I/2E	E 138, E 139
Turner, R. G.	E 30, E 73
TW, 92F/6W	E 111

	Page
TWO, 103F/8E	E 205, E 206
TWO BROTHERS, 82K/6E, 7W	E 65
TWO SPOT, 82F/3E	E 43
TWIN, 82E/5	E 24
TWY, 92F/16W	E 117
TX, 92J/15W	E 170
TYEE, 82E/2W	E 18
Tyee Lake Resources Ltd.,	
KETTLE, 82E/14E	E 37, E 38
LILY, 93F/15E	E 187

U

UDIVILLE, 82F/3E	E 41
UNCHA LAKE, 93F/13E,	
perlite	E 253
UNION, 104H/13W	E 228, E 229
Union Carbide Canada Limited,	
DM, 82E/15W	E 39
HEIDI, 82E/6E	E 26, E 27
LEAL, 82L/3	E 74, E 75
MAY, 104I/9E	E 233
STEWART (ARROW TUNGSTEN),	
82F/6	E 45, E 46
SUE, 82L/2W, 3E	E 72, E 73
Union Carbide Exploration Corporation,	
HEIDI, 82E/6E	E 26, E 27
MAY, 104I/9E	E 233
Union Miniere Explorations and	
Mining Corporation Limited,	
ONE, 103F/4W	E 205
SEVEN, 103F/8E	E 206
STIB, ANT, 103F/8W	E 205
TWO, 103F/8E	E 205, E 206
Union Oil Company of Canada Ltd.,	
COAL, 82L/2E	E 72
IRA, 104N/14	E 241
KER, 82E/5W	E 24
KINGFISHER, BRIGHT STAR,	
82L/10E	E 82
MONT, 104N/11E	E 240
PURPLE ROSE (CRACKER CREEK),	
104N/11W	E 240
REEF, 82L/3W	E 77
SNOWBIRD, 104N/10W	E 239
TUPA, 104N/14E	E 242
TWIN, 82E/5	E 24
United Cambridge Mines Ltd.,	
STAR, 104J/4E	E 234, E 235
UNITED COPPER, 82F/10E	E 49
United Hearne Resources Ltd.,	
BARNSELEY, 92I/10W, 11E,	
.....	E 158, E 159
PANAMA, SILVER GLANCE,	
82K/3E	E 63, E 64

Page

United Mineral Services Ltd.,	
T, SNAKE EYES,	
82M/7W	E 93
United Rayore Gas Ltd.,	
RUST, 104N/11W	E 241
UP, 92H/9W, 10E	E 130
UP, 104P/4E	E 245
URANUS, 82E/14E	E 37, E 38
URSUS, 92I/9W	E 152
Utah Mines Ltd.,	
East Mount Gething Project,	
94B/1W, coal	E 274
EXPO, 92L/12W	E 174, E 175
PAT, 104J/4E	E 234
POPLAR, 93L/2W, 3E;	
93E/15W	E 191
RUN, 104G/7W	E 224, E 225
RUPERT, EXPO, KEN,	
92L/11W	E 174, E 175
SALAL, 92J/14W	E 168
U3O8, 82F/4E	E 44
U3O8, 92I/5E	E 141
UXL, 82M/8	E 94, E 95

V

VAC, 82E/4W; 92H/1E	E 23
VAL, 82L/2W	E 74
VAL, 92F/10E	E 113
VAL, 104P/4E	E 245
VALI, 93E/15W	E 185
Vallabh, Ram	E 159
VAN, 82G/12E	E 58
VAN, 92N/5	E 175
VAN ANDA, 93L/14W	E 198
Vancouver map sheet, 92G	E 117
VAN ROI, 82F/14W	E 51
VANO, 82J/13E, magnesite	E 252
Vantage Resources Ltd.,	
MARTEL, 92I/11W	E 160, E 161
VAV, 82M/12E	E 99, E 100
VEGA, 94C/3W	E 212, E 213
VEGAS, 82M/7W	E 94
VENETIAN, 92G/14E;	
92J/3E	E 120, E 121
VENUS, 92I/9W	E 152
VERA, 82F/16W, 15E, 10E	E 53, E 54
VERNA, 82F/15W	E 53
Vernon map sheet, 82L	E 72
VERNON, 93N/15W	E 203
Vestor Explorations Ltd.,	
CARMi MOLYBDENUM (CA),	
82E/11E, 6E	E 33, E 34
L, K, 92P/8E	E 176, E 177
LESLIE, 82L/13W	E 83
VG, 82K/16W	E 72
VI, 92I/7W	E 146

	Page
VICARS, 92I/9E	E 150
VICTOR, 92C/9E	E 106, E 107
VICTOR, 92I/9W	E 154, E 155
VICTORIA, 92B/13W	E 104
Victoria map sheet, 92B	E 103
VICTORY, 82F/3E	E 41
VICTORY, 93L/14W	E 197
VIDLER, 82L/2W	E 74
VIEW, 82F/2W, talc	E 256, E 257
VIGILANT, 82F/15W	E 53
VILLALTA, 92F/1W	E 109
VIMY, 104B/1E	E 221, E 222
VINE, 82G/5W	E 56, E 57
VIRGO, 104H/12W	E 227
Vital Mines Ltd.,	
JAY, 93L/3E	E 192, E 193
RED, 93L/2W	E 192
VJ, 82E/2W, <i>see</i> JOE	E 19
VK, 82M/4E	E 90, E 91
VOLUNTEER, 92F/10E, 15E ..	E 113, E 114
VON, 104G/6E, 7W	E 224
VV, 92B/13W	E 105
VVB, 92I/11E	E 159

W

WALLER, 103G/8E	E 206, E 207
WAN, 92L/12W	E 174, E 175
WAR, 92G/12W	E 119
WAR, 93L/2W, 3E; 93E/15W ..	E 191
Warren, L. B.	E 199
Warren, M.	E 187
WASI, 94C/3E	E 211, E 212
WATERFALL, 104A/4W	E 221
WATER POWER, 92B/13W ...	E 104, E 105
WAYSIDE, 92J/15W	E 170
WEDGE, 104A/4W	E 221
WEE, 93A/14W	E 182, E 183
WELCOME, 82F/16W, 15E, 10E .	E 53, E 54
Welcome North Mines Ltd.,	
FALCON, 93O/11W	E 204
Weldwood of Canada Limited,	
coal, 92F/11, 14W	E 266
Wellington Colliery Company Limited,	
coal, 92F/11, 14W	E 266
WENDY, 84L/13W	E 220
WEREWOLF, 94E/13E	E 217
Wesfrob Mines Limited,	
BANK, WALLER,	
103G/8E	E 206, E 207
LET, 104I/7E	E 232, E 233
MacDUCK, 94L/4W	E 219
TAN, ZILLA,	
104J/8W	E 235, E 236
Wespas Resources Ltd.,	
AT, 82E/10W	E 31
JADO 1, 82E/15E	E 39, E 40

Wespas Resources Ltd. (continued)

JADO 3, 82E/7W	E 27, E 28
JADO 4, 82E/2W	E 19, E 20
JADO 5 to 8, 82E/2W	E 16
JADO 9, 82E/3E	E 20
Wessel, Herman H. A.	E 36
WEST, 82E/2W	E 19
WEST, 82K/3W	E 64
Westbrook, Florence	E 176
WESTERN, 104H/13W	E 228, E 229
WESTERN HOPE, 103J/2E	E 208
Western Mines Limited,	
OK, 92K/2E	E 171, E 172
RED BOG, 92H/11E	E 133
RED DOG, 92C/9E	E 106, E 107
SHEBA, 92I/7W	E 146
WEST FORT, 92P/8E	E 177
Westridge Mining Company Ltd.,	
TYEE, 82E/2W	E 18
Westwick, Burton	E 253
Westwick, Lawrence	E 253
WHI, 104I/7E, asbestos	E 248
WHIT, 82L/4E	E 78, E 79
White, E. U.	E 214
WHITE BEAR, 82K/8W	E 66
WHITE SWAN, 82M/4E	E 91
Whitesail Lake map sheet, 93E ..	E 183
WICK, 94B/4E, 5E	E 210
Wickstrom, Don	E 173
WIGWAM, 82K/13W	E 70, E 71
Wiklund, David D.	E 48
WILD CAT, 104P/4E	E 245
WILDERNESS, 82K/8W	E 66
WILDROSE, 92I/9W	E 151
WILL, 92I/9W, 10E	E 156
WILLI, 82M/4E	E 90, E 91
WILLIAM, 92G/10W	E 118
Wilmont, Ashley D.	E 36
WIM, 93A/13W	E 182
WIM CAL, 93A/13W	E 182
WIM TA, 93A/13W	E 182
WIN, 82E/2W	E 17, E 18
WIN, 104G/6E, 7W	E 224
WIND, 104N/10W	E 239
WINDFALL, 82E/2E	E 14
WINDFALL (APRIL), 82E/2E ..	E 14, E 15
WINDSOR, 92I/9W	E 151
WINDY, 104H/12W	E 227
WINNIBAGO, 82M/8	E 94, E 95
WINNIE, 82F/16W, 15E, 10E ...	E 53, E 54
WINTER, 93L/15W	E 199
WINTY, 92I/9W	E 154, E 155
WL, 82L/14	E 84
WL, 93A/3W	E 179
WL, 94B/4E, 5E	E 210
WO, 82F/3E	E 41
WOLF, 82F/16W, 15E, 10E ...	E 53, E 54

	Page
WOLF, 92C/8E	E 106
WOLF, 92O/2	E 176
WOLF, 104P/3E	E 244
WOLFARD, 82E/2E	E 14
WONDERFUL, 82F/14W	E 52
WOODBURY CREEK, 82F/15W	E 53
Woodcock, J. R.	E 81, E 82, E 94, E 98
WORLDS FAIR, 82K/8W	E 66
WREN, 92I/8W	E 148, E 149
WS, 82E/3E, 6E	E 21
WT, 104I/7E	E 233
WW, 82G/7E, phosphate	E 254

X

X, 94L/1E	E 219
X, 104B/7E	E 222
XJ, 94L/1E	E 219
XK, 94L/1E	E 219
XL, 92I/6E	E 143
XL, 94L/1E	E 219
XM, 94L/1E	E 219
XN, 94L/1E	E 219
XUL, 82E/2W	E 16, E 17
XW, 94L/1E	E 219
XYZ, 82K/12E	E 69, E 70

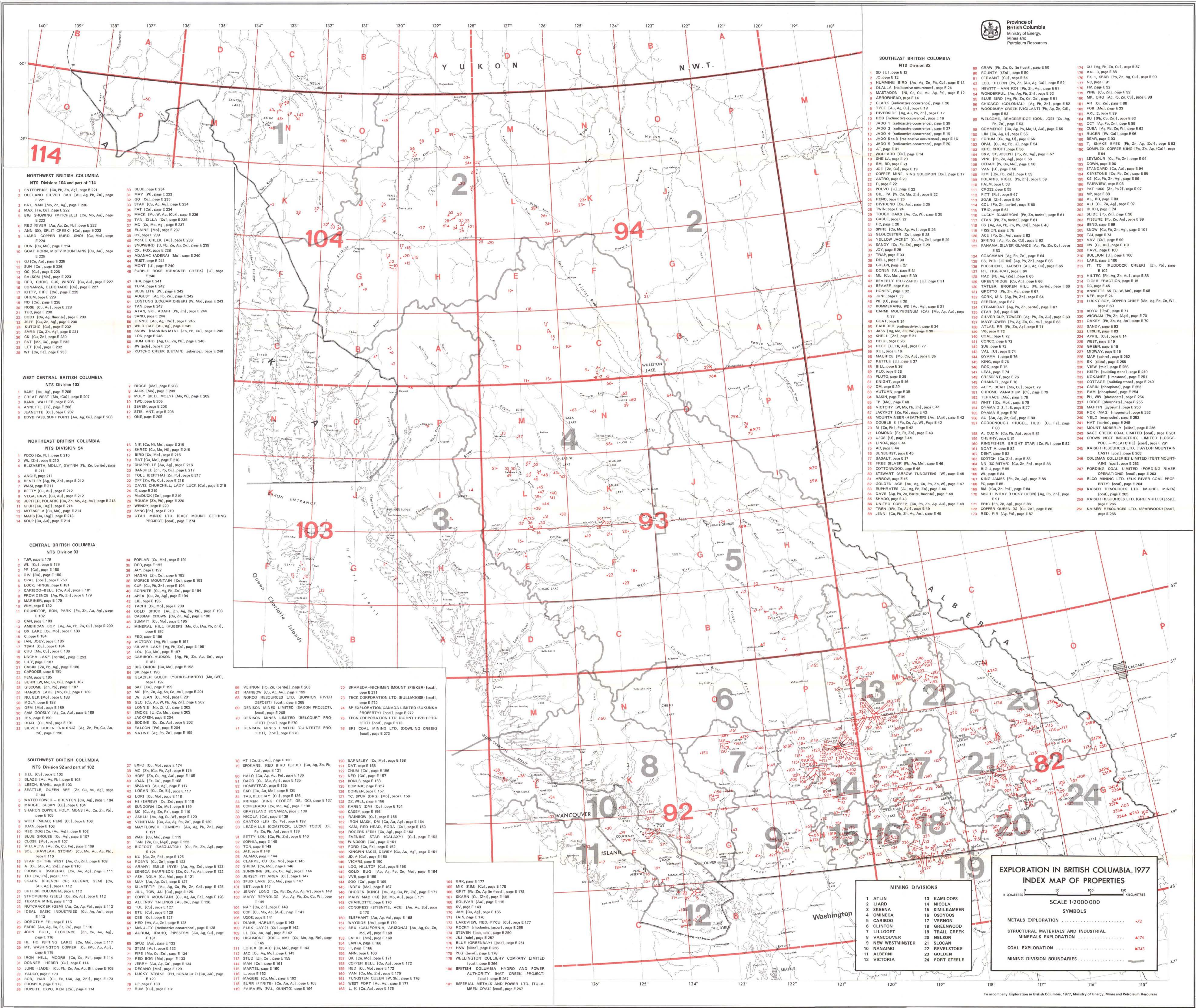
Y

Y, 93L/14W	E 197, E 198
Y, 104B/7E	E 222
YACU, 104H/13W	E 228, E 229
YALE, 93A/12E	E 181

	Page
YANKEE, 92B/13W	E 104
YAUCO, 92L/2W	E 173
YELLOW JACKET, 82E/9W	E 29
YELLOW KID, 92F/10E	E 113
YELO, 82J/13E, magnesite	E 252
YORKE-HARDY, 93L/14W ..	E 197, E 198
Yorke-Hardy, Robert W.	E 40
Yorke-Hardy, W. D.	E 194
Young, John	E 201
YUILL, 82K/11W	E 69
Yukanda Mines Limited, HUM BIRD, 114P/10W	E 246
YY, 92B/13W	E 105

Z

ZAP, 82J/5W	E 61
ZAP, 104N/11W	E 240, E 241
Zarelli, F.	E 103, E 249
ZEEK, 92I/11E	E 159, E 160
ZEN, 92F/7E	E 112
Zenith Mining Corporation Ltd., SENECA (HARRISON), 92H/5W	E 122, E 123
Zenore Resources Inc., JACK, 103P/13E	E 209
ZILLA, 104J/8W	E 235, E 236
ZINC, 82M/3W, 4E	E 87
ZIP, 92H/5W	E 122, E 123
ZOOKS, 92I/11E	E 159, E 160
ZZ, 92B/13W	E 105
ZZ, 92I/9W, 10E	E 156





Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

KILOMETRES 0 20 40 60 80 100 120 140 160 180 200

FIGURE E-4

AREAS UNDERLAIN
BY
MAJOR COAL-BEARING FORMATIONS

- COAL-BEARING FORMATIONS OF MAJOR IMPORTANCE
- COAL-BEARING FORMATIONS OF MINOR IMPORTANCE
- * MAJOR COAL-BEARING FORMATION

