

Exploration
in British Columbia

1976



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

VICTORIA, BRITISH COLUMBIA
CANADA
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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.

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 6192. 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 1976 for work done in 1975 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 solid minerals in British Columbia in 1976 showed an increase of 14 per cent from \$35 245 900 in 1975 to \$40 218 302 in 1976 according to returns to Economics and Planning Division shown on Table E-1. This increase is due to the resurgence of metals exploration. The nature of this exploration in 1976 indicates a new phase of prospecting related principally to uranium and massive sulphide deposits and not just a return to former practices.

Although it dropped very slightly, coal exploration remained at a high level. Many coal exploration programs are only partially completed so that they are expected to continue strongly for several years.

Exploration for industrial minerals, structural materials, and placer also dropped very slightly.

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

	Physical Work and Surveys \$	Administration, Overhead, Land Costs, Etc. \$	Construction, Machinery and Equipment, Other Capital Costs \$	Totals \$
Exploration other than at mines:				
Metals —				
1974	18 773 326	6 525 878	128 144	25 427 348
1975	16 366 152	5 298 367	442 327	22 106 846
1976	20 437 180	6 365 331	381 416	27 183 927
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
*Others —				
1974	42 706	11 134	----	53 840
1975	90 025	35 679	----	125 704
1976	73 453	47 760	----	121 213
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

*Industrial minerals, structural materials, and placer.

METALS EXPLORATION

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PLATE

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TABLE E-2

	1968	1969	1970	1971	1972	1973	1974	1975	1976
Exploration expenditure (dollars)*	35 000 000	44 400 000	46 000 000	39 100 000	38 200 000	37 300 000	25 400 000	22 100 000	27 200 000
Number of companies*	389	422	481	407	389	352	228	121	136
<i>Average exploration expenditure</i>									
per company	89 974	105 161	96 361	95 945	98 226	106 072	111 404	182 701	200 000
Claims recorded	60 384	84 665	69 546	57 778	78 901	35 659	16 971	11 751†	28 970†
Certificates of work	66 229	88 954	118 633	106 704	97 573	128 641	48 071	39 403	36 729
Free miners' certificates —									
Individual	9 305	9 880	10 034	9 351	9 032	7 084	9 998	8 484	7 826
Companies	761	1 060	911	930	927	563	700	562	555
Average copper price (cents per pound) .	54.2	66.7	58.7	46.7	44.8	83.23	85.44	\$1.283/kg (58.2 /lb.)	\$1.44/kg

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

† Unit modified grid system.

REVIEW OF EXPLORATION AND PROSPECTING

By A. Sutherland Brown and N. C. Carter

Although exploration for metals in 1976 remained at a relatively low level compared to other years in the previous decade, for the first year since 1970 it showed an increase over a previous year and in fact could be said to show a resurgence (see Table E-2). The indices of metal exploration in Tables E-2 and E-3 give mixed indications: some lower, some higher. However, certain indices, such as number of claims staked, document the onset of a new phase of exploration related substantially to the search for uranium and massive sulphide deposits.

Table E-2 shows exploration expenditure, claims recorded, etc., from various departmental sources for a nine-year period. Table E-3 is a summary of information on metal exploration from this volume arranged by NTS quarter block against the type and amount of work.

Most indices shown on Table E-2 shows significant improvement over last year (from 9 to 23 per cent), except for the number of free miners' certificates which are down from 8 and 1 per cent respectively for individual and corporate certification. The number of claims recorded, however, shows a major increase of 146 per cent.

Table E-3 is constructed from returned exploration forms that were mailed to explorers on receipt of Notice of Work on a Mineral Property (Form 10-11) in compliance with the *Mines Regulation Act*. This data is augmented by information from Assessment Reports and by Ministry personnel. For the second year the data is stated in metric units.

In 1976 the total number of properties explored was up marginally from 409 to 433, or about 6 per cent, even though the total apparent expenditure on properties was down 12.9 per cent. There is no consistent trend in regard to the individual methods of exploration. Geological mapping is down 23 per cent, airborne geophysics up 90 per cent, various ground geophysical methods down 14 to 34 per cent, but geochemistry up 10 per cent. Physical work is all down, trenching by 14 per cent, stripping by 23 per cent, and underground work by 32 per cent. In contrast, total drilling is up about 5 per cent to 94 276 metres; surface diamond drilling up by 11 per cent and percussion drilling by 5 per cent, while rotary and underground drilling is down 64 per cent and 51 per cent respectively. Linecutting and road building are down slightly (7.5 per cent and 2.2 per cent respectively). If any general picture emerges it is that early stages of exploration programs are up while later stages are down. This is consistent with the drop in value of exploration work on properties. By applying reasonable cost factors to the work shown in Table E-3, an estimation of the total expenditure would come to \$11 million or down 13 per cent from 1975. This represents about 54 per cent of the metals exploration shown in Table E-2, a reasonable figure considering most grassroots exploration and some other expenditures are not represented in Table E-3.

In 1976, 370 geological, geophysical, geochemical, drilling, and prospecting reports were accepted for assessment credit. Together they represent not less than \$7 078 000 of work including drilling.

DISTRIBUTION OF EXPLORATION

The areal distribution of exploration work on metallic mineral properties in 1976 and 1975 can be compared by referring to two maps of the Province (Figs. E-2 and E-3). It

TABLE E-3. SUMMARY OF EXPLORATION EFFORT*

NTS	No. of Properties	Geological Mapping (No. of surveys)	Geophysical Surveys				Geochemical Surveys		Physical			Drilling				Linecutting (line-kilometres)	Road (kilometres)	Prospecting (No. of Assessment Reports)	Other
			Airborne (line kilometres)	Induced Polarization (line-kilometres)	Ground EM + Others (line-kilometres)	Ground Magnetometer (line-kilometres)	Soil and Silt (No. of samples)	Rock Chip (No. of samples)	Trenching (metres)	Stripping (square metres)	Underground Work (metres)	Surface D.D. (metres)	Rotary (metres)	Percussion (metres)	Underground D.D. (metres)				
82/SE	12	---	---	---	45	---	39	---	750	---	---	5 090.2	124	---	---	---	---	2	---
82/SW	56	14	640	91.6	71.4	108.7	4 255	461	894.1	2 748.5	---	9 465.2	---	2 313	---	72.6	6.1	6	---
82/NW	70	22	200	5	321.1	230.6	13 511	24	916	2 050	1 560	6 904.8	---	582.2	3 000	361.2	9.9	10	---
82/NE	1	---	---	---	---	---	---	---	---	---	---	170.4	---	---	---	---	---	---	---
83/SW	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
92/SE	36	13	---	15.7	94.3	76.1	5 135	128	2 957.5	714.7	75	2 024.1	---	882	---	70.5	1.2	3	2
92/SW	32	7	---	31.3	13.7	60.2	2 116	38	140	536	61	1 232.9	---	---	92.6	17.3	.2	5	---
92/NW	12	3	---	24.4	---	4.5	388	---	26	---	---	2 662.7	---	---	---	7.1	---	---	1
92/NE	63	18	---	115.3	131.6	330.8	8 665	158	149	20	291.1	11 232.9	140	8 666.5	---	108.6	4.5	4	4
93/SE	12	2	---	7	23.7	170.7	2 913	---	105	---	---	299.1	---	90	---	32	6.4	2	1
93/SW	10	3	---	59.3	55.8	265.4	3 333	---	---	---	---	---	---	1 515	---	36.8	10.4	---	---
93/NW	37	12	---	137.9	92	150.4	4 795	217	5 188.7	---	28.5	11 272.9	---	4 561.1	---	263	26.5	2	3
93/NE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
94/SE	4	3	---	---	---	---	130	45	---	---	---	835	---	---	---	---	---	---	---
94/SW	24	9	109	77.6	20.5	51	3 904	593	807	---	187	---	---	---	59	79.7	18	2	2
94/NW	1	---	---	---	10.8	---	350	---	---	---	---	---	---	---	---	---	---	1	---
94/NE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
103/SE	3	2	---	---	0.5	1.6	49	21	20	---	---	1 214.6	---	---	---	---	---	---	---
103/SW	1	1	---	---	---	3.2	52	---	---	---	---	---	---	---	---	---	---	---	---
103/NW	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
103/NE	10	2	27.5	---	---	37.2	602	729	34	---	---	2 939.4	---	---	---	---	---	---	1
104/SE	21	15	---	79.7	---	58.6	4 427	219	294.5	---	---	9 339.5	---	---	---	86.9	1	1	4
104/NW	7	2	---	---	3.7	3.7	568	87	10	---	---	---	---	---	---	---	---	---	2
104/NE	21	11	---	65.2	103	50.6	3 649	---	505	---	---	10 567.9	---	---	---	167.1	33.6	4	---
114/NE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TOTALS	433	139	976.5	700.0	987.1	1 603.3	58 881	2 720	12 796.8	6 069.2	2 202.6	75 251.6	264	18 609.8	3 151.6	1 302.8	117.9	40	20

*From Geological Division sources.

should be noted that although these maps are capable of displaying changes in distribution readily, they do not show changes in total effort.

Table E-3 does show the changes in exploration effort as well as changes in distribution of exploration in a crude way. For instance, exploration has increased in the Kootenays and Southern Interior and the Northwest, except for Tatshenshini, but has decreased elsewhere.

In detail the pattern of exploration shown on Figure E-2 is grossly similar to that of former years. Changes can be summarized as follows: general increases in exploration in the East Kootenays (Invermere, Cranbrook, Fernie areas) and to the north in Revelstoke to Clearwater area, partly as a result of the discovery of the Goldstream massive sulphide deposit. Increases also occurred in the Kelowna to Rock Creek area, as the search for uranium deposits intensified. A modest increase also occurred in the north in the Cassiar to Kutcho Creek and Dease Lake areas, again partly as a result of the success of the massive sulphide deposits at Kutcho Creek and the Red-Chris porphyry deposit near Eddontenajon.

Much of the rest of the Province continued as before but some decreases in activity were evident in the Northern Rockies near Robb Lake, the Tatshenshini area, the Iskut-Stewart-Alice Arm area, and the Sustut, Cariboo, Northern Vancouver Island, and Bridge River to Alta Lake area.

Reconnaissance exploration activity was clearly up by an unmeasured amount, much of it directed to the search for secondary uranium deposits or massive sulphides in the Omineca Belt.

EXPLORATION ACTIVITY

The following account of exploration and development activity is by deposit type, with the accompanying diagrams showing the distribution of the various types of deposits relative to the five major tectonic belts of the Canadian Cordillera.

Porphyry Copper-Molybdenum Deposits

All but one (Island Copper) of the Province's porphyry copper-molybdenum mines are situated within the Intermontane Tectonic Belt (see Fig. E-4) which is comprised principally of Late Paleozoic and Mesozoic eugeosynclinal volcanic and sedimentary rocks intruded by granitic batholiths and stocks ranging in age from Early Mesozoic to Tertiary. Areas being explored for porphyry copper deposits vary little with those of previous years, and include the Kamloops-Highland Valley area in south-central British Columbia and the Skeena and Stikine Arch areas in central and northern British Columbia respectively.

Major exploration programs in the Stikine area included drilling by Hudson Bay Mining & Smelting Co., Limited at their Galore Creek alkaline porphyry copper deposit and Texasgulf Inc.'s program at the Red-Chris property, a copper-gold porphyry deposit developed in an elongate quartz-bearing monzonite porphyry intrusion.

In the Skeena Arch area, the Poplar prospect south of Houston was further investigated by Utah Mines Ltd. and drilling on the Big Onion property near Smithers by Canadian Superior Exploration Limited indicated potentially significant supergene copper mineralization.

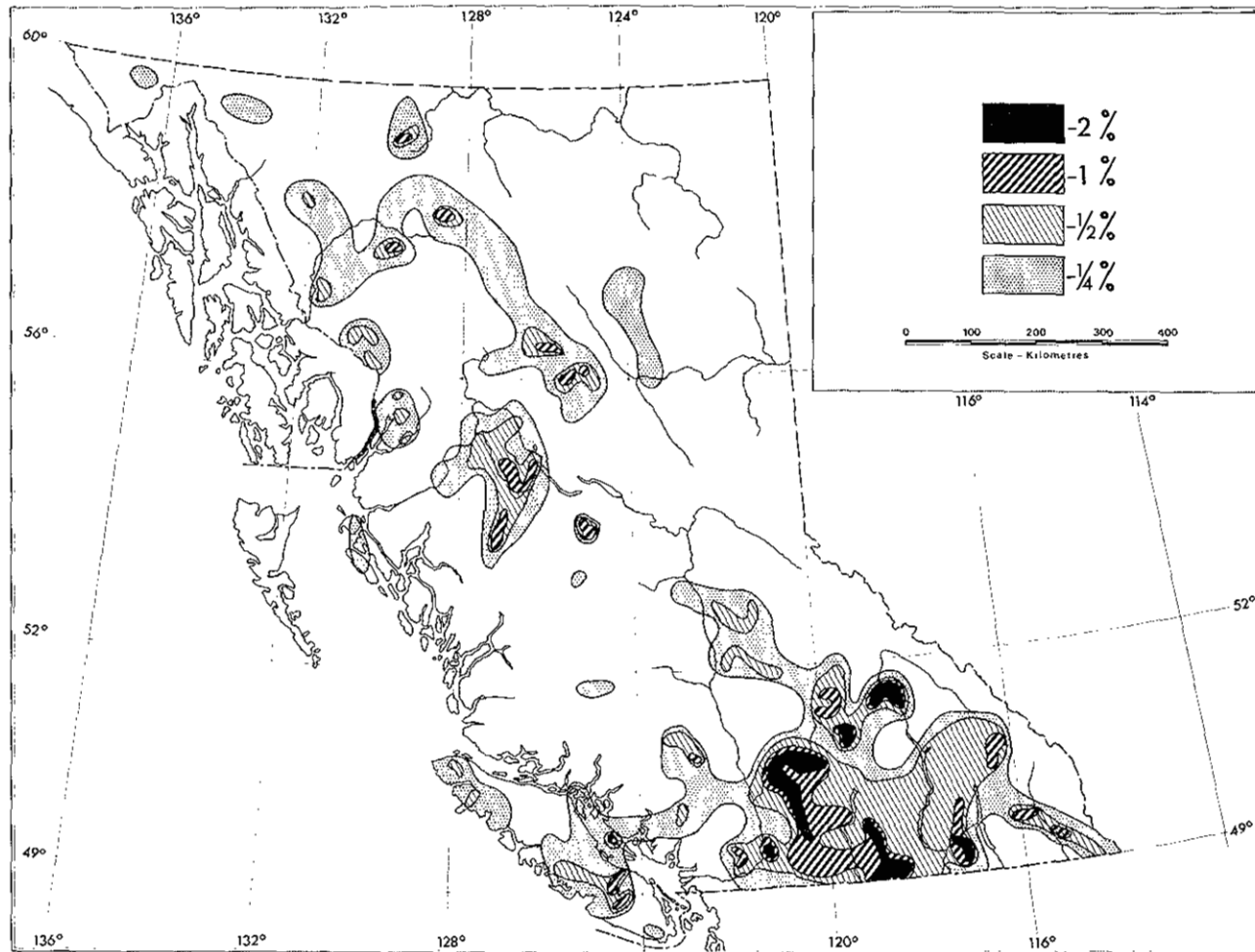


Figure E-2. Distribution of metallic mineral properties in 1976.

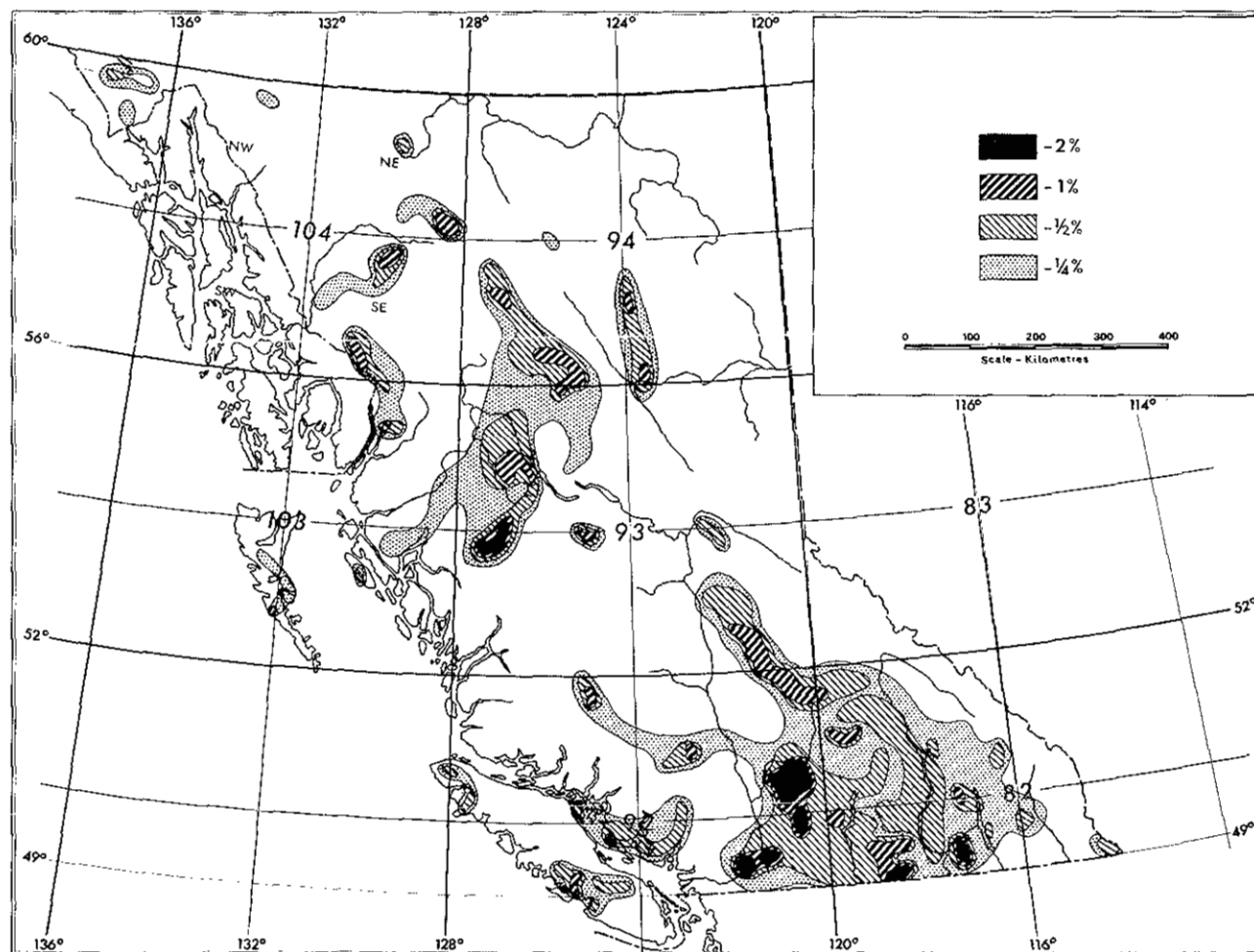


Figure E-3. Distribution of metallic mineral properties in 1975.

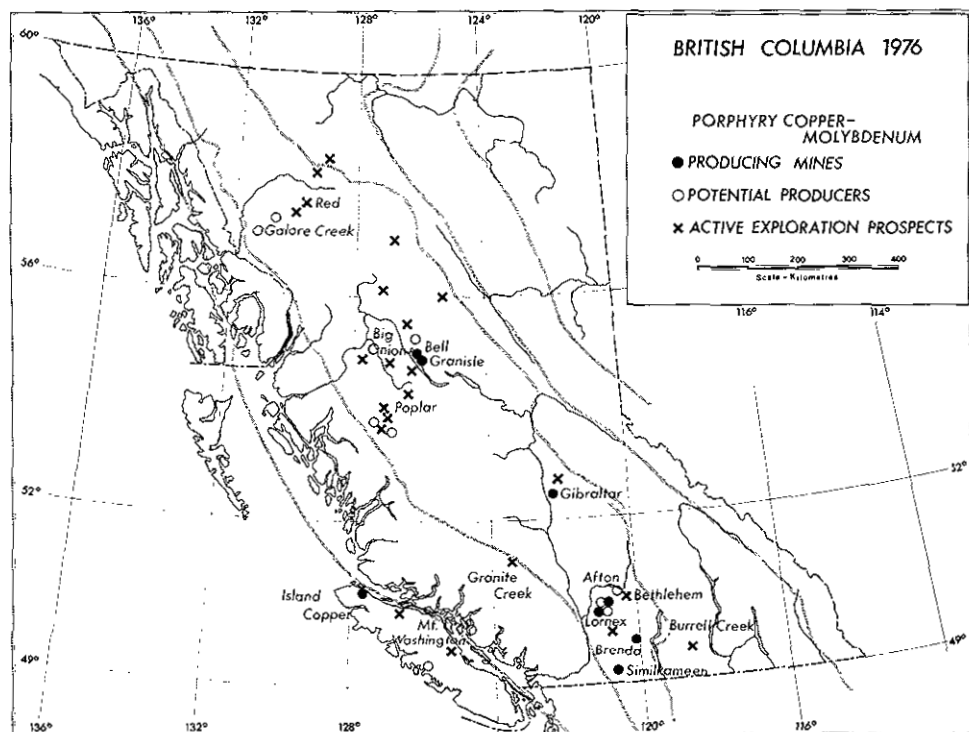


Figure E-4. Porphyry copper-molybdenum occurrences, British Columbia, 1976.

Many other porphyry prospects were explored during the year including Mount Washington on Vancouver Island (Imperial Oil Limited), Aberdeen Minerals' Granite Creek property near Taseko Lakes (Quintana Minerals Corporation), Iron Mask near Kamloops (Canadian Superior Exploration Limited), Sheba in the Highland Valley (Western Mines Limited), and the Burrell Creek property north of Grand Forks (Rio Tinto Canadian Exploration Limited).

Porphyry Molybdenum Deposits

Porphyry or stockwork molybdenum deposits have a *distribution similar to porphyry coppers* with the majority of known deposits occurring in the Intermontane Belt (see Fig. E-5).

Major development projects were undertaken during the year at Endako, where stripping of the Denak pit area adjacent to the main mine was underway, and at Boss Mountain where a major drill program continued to delineate potential open-pit reserves of quartz-molybdenite stringer zones marginal to the present underground mine.

The Adanac deposit near Atlin was investigated by Noranda Exploration Company, Limited and drilling was undertaken at a number of other deposits including Bell Molybdenum and Lime Creek properties in the Alice Arm area by Climax Molybdenum

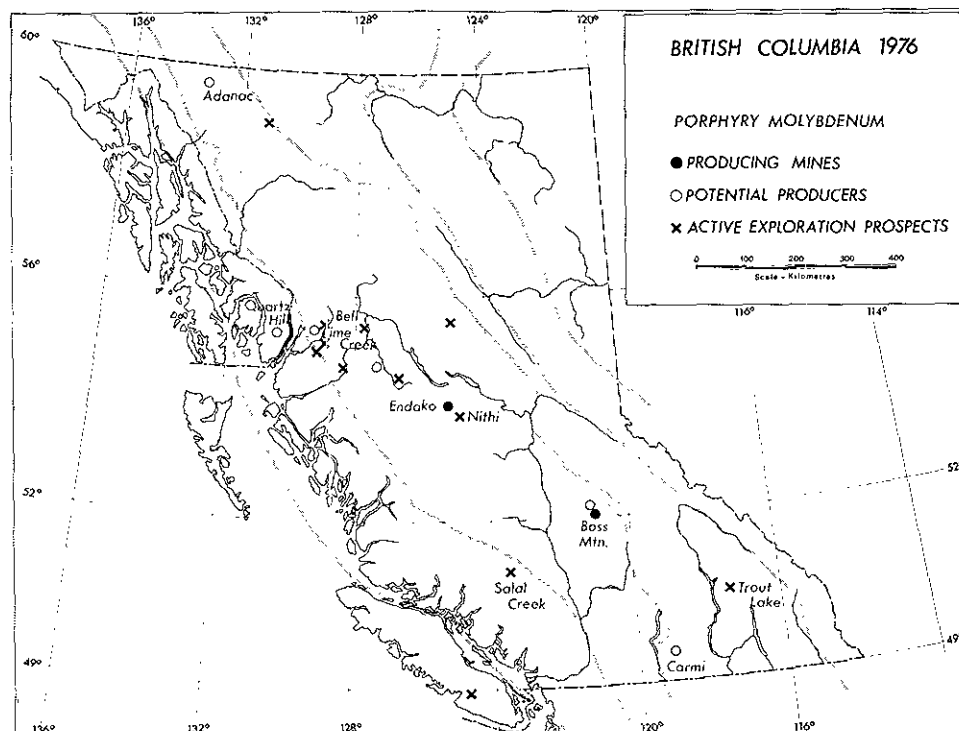


Figure E-5. Porphyry molybdenum occurrences, British Columbia, 1976.

Corporation of British Columbia, Limited, at Nithi Mountain near Endako by Amax Potash Ltd., at Carmi by Craigmont Mines Limited, and at Trout Lake by Newmont Mining Corporation of Canada Limited.

The recent discovery of a major molybdenite deposit at Quartz Hill in southeast Alaska by US Borax should be of particular interest to British Columbia explorationists. This deposit, situated well within the Coast Crystalline Tectonic Belt, suggests that a number of molybdenite occurrences known to occur in Coast granitic terrain on the British Columbia side of the border might be re-investigated to good advantage. The Salal Creek prospect in the Lillooet River area, drilled in 1976 by BP Minerals Limited, is an example of this type of deposit. Molybdenite mineralization here is associated with a young (8 m.y.) granitic stock which has intruded older granitic rocks of the Coast Plutonic Complex.

Massive Sulphide Deposits

Considerable effort was directed in 1976 to the search for massive sulphide deposits, due mainly to the recognition of the importance of the Kutcho Creek deposit in northern British Columbia and the discovery of a potential orebody in the Goldstream River area north of Revelstoke (Fig. E-6).

At Goldstream, Noranda Exploration Company, Limited early in 1976 announced reserves of 2.9 million tonnes having an average grade of 4.49 per cent copper, 3.24 per

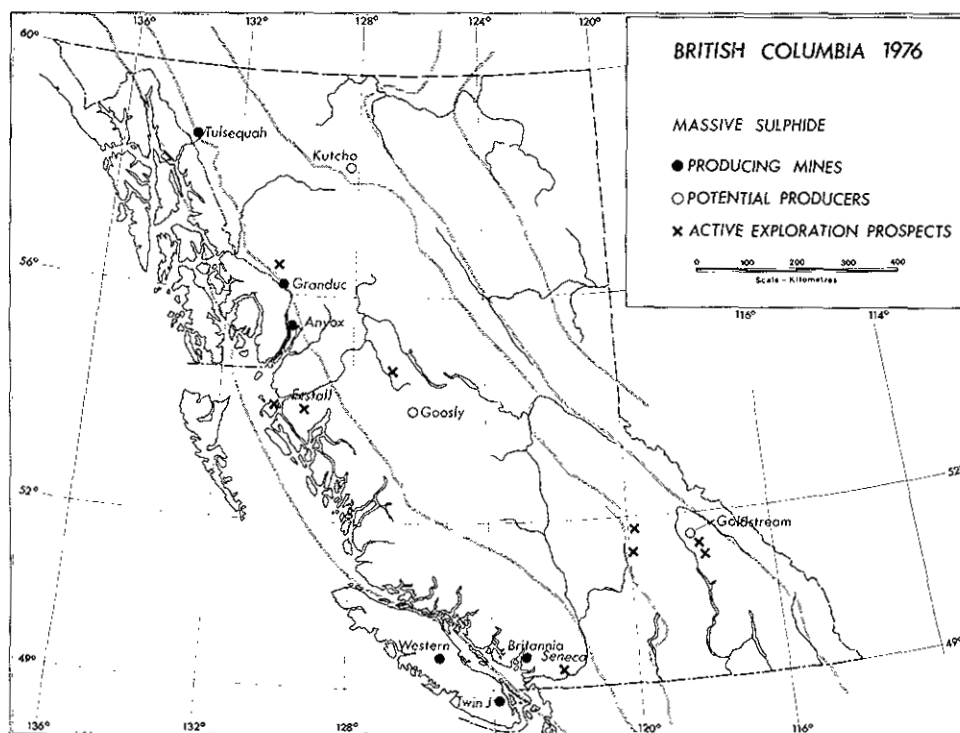


Figure E-6. Massive sulphide occurrences, British Columbia, 1976.

cent zinc, and 28.33 ppm of silver. This is a stratiform massive sulphide deposit, consisting of pyrrhotite, chalcopyrite, sphalerite, contained in a phyllitic sedimentary sequence of probable Early Cambrian age. The deposit was further explored by 1 200 metres of underground development and 3 000 metres of underground drilling. Numerous claims were located on prospects having a similar geologic setting to the south of the Goldstream deposit and the entire region was one of the most active areas in the Province.

Similarly, the Kutcho Creek deposit, owned jointly by Sumac Mines Ltd. and Imperial Oil Limited, also precipitated considerable exploration for massive sulphide deposits over a large area east of Dease Lake. At Kutcho Creek, chalcopyrite and sphalerite occur in pyritic quartz-sericite schists of Late Paleozoic age.

Stratabound Lead-Zinc Deposits

Stratabound lead-zinc deposits are mainly restricted to the Omineca Belt, principally in the Kootenay Arc and adjacent Shuswap Metamorphic Complex of southeastern British Columbia (see Fig. E-7).

Two types of concordant lead-zinc deposits were explored in this region in 1976. Salmo or Remac-type deposits in which galena and sphalerite occur in Lower Cambrian limestones and marble were investigated in the Invermere and Salmo areas. Shuswap-type deposits, in which mineralized layers are contained in a metamorphic succession of mica schists, calc-silicate schists, and marbles, include Ruddock Creek and Mabel Lake deposits which were drilled by Cominco Ltd. and Colby Mines Ltd. respectively.

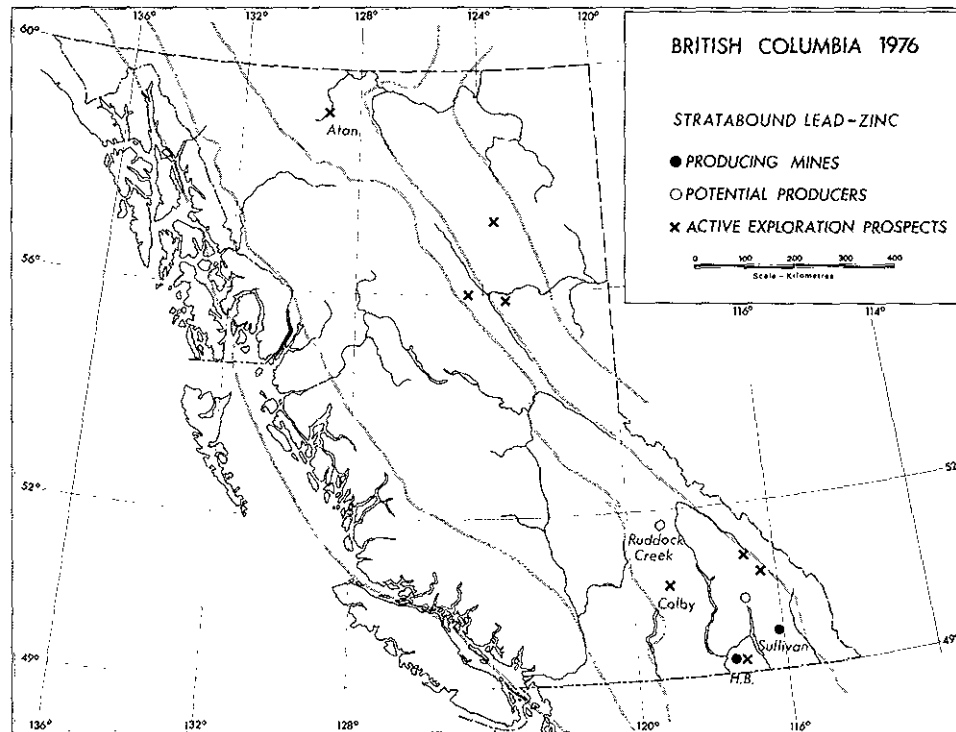


Figure E-7. Stratabound lead-zinc occurrences, British Columbia, 1976.

In the Northern Rockies, lead-zinc mineralization in breccias developed in Middle Devonian carbonate rocks was investigated in at least two areas. The Atan Lake barite-zinc prospect near Cassiar was drilled by Imperial Oil Limited.

Vein Deposits

Vein deposits containing precious and base metals are known to occur in all tectonic regimes of the Canadian Cordillera. At present, six deposits are in production, two of which (Northair and Atlin Silver) commenced operations in 1976 (see Fig. E-8).

Significant exploration and development programs took place in a number of areas throughout the Province. These include underground development and drilling of the Chappelle gold-silver property in north-central British Columbia by DuPont of Canada Exploration Limited, and development work on the Van Silver property adjacent to Northair. Drilling programs were also carried out on the Erickson Creek gold property near Cassiar by Nu-Energy Development Corp. Ltd. and on a silver-lead-zinc vein deposit at French Peak near Smithers by Aalenian Resources Ltd. Other vein deposits were investigated in the following general areas: Stewart, Banks Island, Vancouver Island, Taseko Lakes, and Slocan.

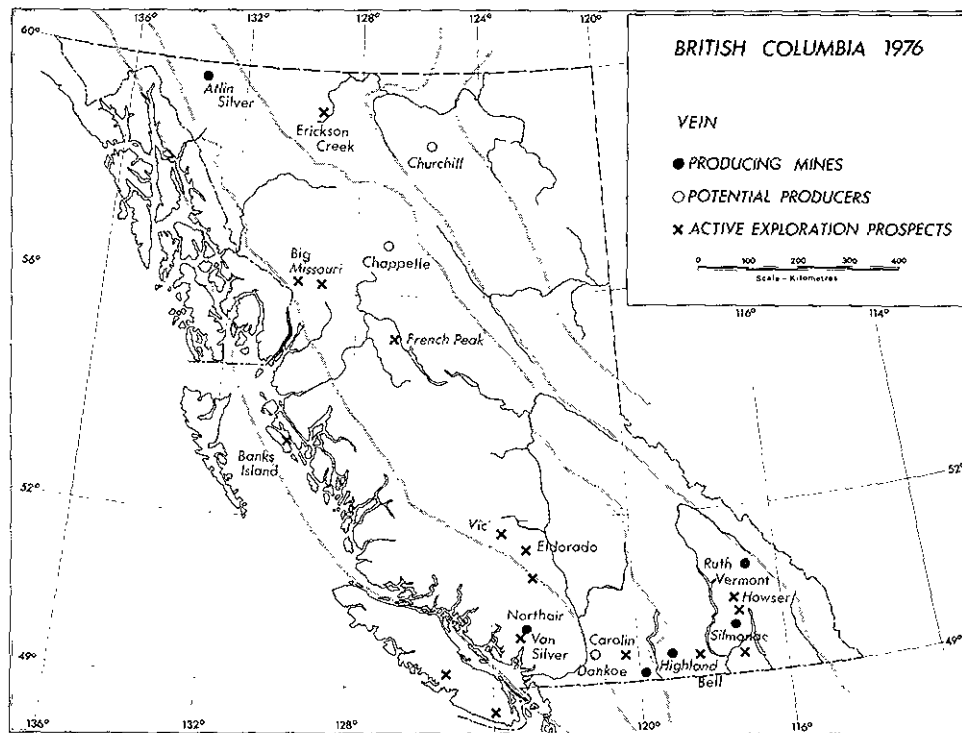


Figure E-8. Vein occurrences, British Columbia, 1976.

Skarn Deposits

Skarn deposits of iron-copper include Tasu and Texada mines, both situated in the Insular Tectonic Belt. After a lengthy production period, Texada suspended operations in December.

Granby's Phoenix copper mine, which has a long production history, suspended mining operations earlier in the year and has been milling stockpiled ore pending the start-up of operations at the Lone Star copper deposit in adjacent Washington State.

Exploration for skarn-type deposits was carried out in the Hedley Camp in south-central British Columbia and, late in the field season, a tungsten skarn prospect (Jam) was discovered near the Yukon-British Columbia border by Cordilleran Engineering Ltd. (Fig. E-9).

Uranium Deposits

Significant increases in uranium prices have generated a number of significant exploration programs, particularly in the southeastern part of the Province (Fig. E-10).

The greatest concentration of exploration activity took place southeast of Kelowna and was centred around the PB, Fuki, and Donen properties of Nissho-Iwai Canada Ltd. Secondary uranium minerals (mainly amorphous) are contained in poorly consolidated

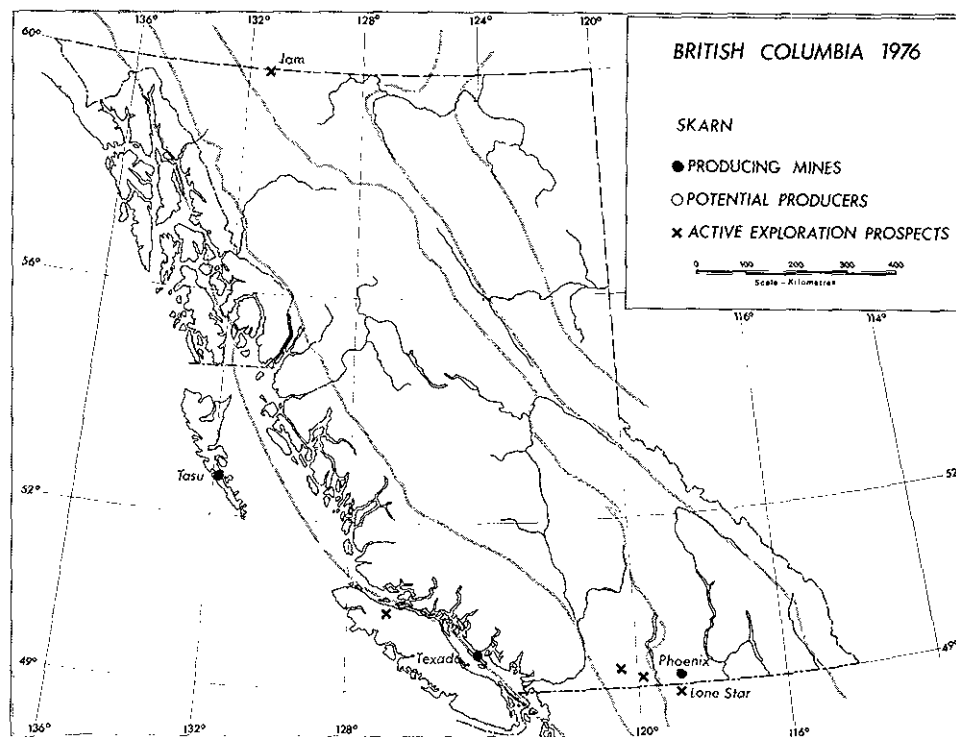


Figure E-9. Skarn occurrences, British Columbia, 1976.

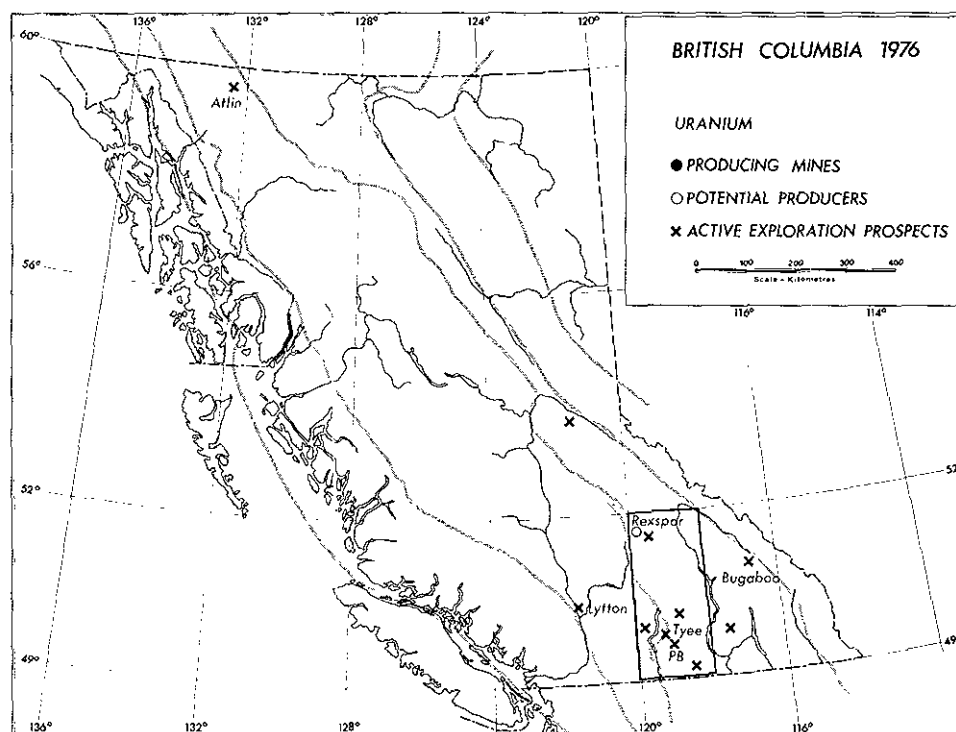


Figure E-10. Uranium occurrences, British Columbia, 1976.

carbonaceous sedimentary rocks preserved beneath Pliocene and Miocene plateau basalts. Major exploration programs for these basal-type uranium deposits were carried out by Power Reactor and Nuclear Fuel Development Corporation on the Nissho-Iwai properties, by Tyee Lake Resources in the Hydraulic Lake area, and by Lacana Mining Corporation near Lassie Lake. Tyee Lake's Hydraulic Lake property was optioned by Noranda Exploration Company, Limited and Kerr Addison Mines Ltd. in the fall and drilling continues.

Drilling and feasibility studies on the Rexspar property north of Kamloops continued in 1976 with a decision to proceed to production imminent. Replacement deposits of uranium on this property are tabular, fault-controlled zones consisting of mica, pyrite, and fluorite developed in trachytes. Reserves are in the order of 1.45 million tonnes containing better than 0.075 per cent U_3O_8 .

Exploration for uranium also took place north of Lytton, near Grand Forks, in the Bugaboo Creek area, and east of Atlin.

A three-year joint Federal-Provincial Uranium Reconnaissance Program was initiated in 1976 in southeastern British Columbia. This geochemical program consisted of water and stream sediment sampling of three 1:250 000 scale map-sheets extending north from the International Border to latitude 52 degrees north. The area sampled includes the basal uranium deposits near Kelowna and the Rexspar property which is near the northern limits of the 1976 survey area. Water samples collected have been analysed for uranium and fluorine and stream sediment samples have been analysed for uranium, fluorine, copper, lead, zinc, silver, nickel, cobalt, manganese, iron, and molybdenum.

In summary, exploration for uranium has been the catalyst that has generated renewed exploration interest in the Province. Geological settings similar to those of basal uranium occurrences of south-central British Columbia in which plateau basalts overlie poorly consolidated sediments are duplicated in many other areas of the Province.

MAJOR EXPLORATION PROGRAMS

Major programs as defined in recent years include ones of greater than 3 000 metres of drilling or 300 metres of underground work. In 1976 seven programs in metals exploration, the same as in 1975, exceeded the criteria:

SHEBA, JOY (Sheba Copper Mines Ltd.), 921/7W — Highland Valley, 3 130 metres of drilling

IRON MASK, DM, NORMA (Canadian Superior Exploration Limited), 921/9W — Iron Mask batholith near Kamloops, 4 010 metres of drilling

PAT, GOLDSTREAM (Noranda Exploration Company, Limited), 92M/9W — north of Revelstoke, a bedded copper-zinc massive sulphide deposit, 3 000 metres of underground drilling, 1 200 metres of underground development

POPLAR (Utah Mines Ltd.), 93L/2W; 93E/15W — 60 kilometres south of Houston, 4 334 metres of drilling

HAB, BUY (Stikine Copper Limited), 104G/3W — Galore Creek, 160 kilometres northwest of Stewart, 5 233 metres of drilling

JEFF, BOW, KRIS, PY (Imperial Oil Limited), 1041/1W — Kutcho Creek, 130 kilometres east of Dease Lake, 3 633 metres of drilling

SMRB (Sumac Mines Ltd.), 104I/1W — Kutcho Creek, 130 kilometres east of Dease Lake, 3 260 metres of drilling
RED, CHRIS (Texasgulf Inc.), 104H/12W — near Eddontenajon Lake [90 metres short of the criteria]

DEVELOPMENT AND FEASIBILITY STUDIES

During 1976 development work continued at two properties and feasibility studies continued at a number of others without decisive results. Northair came into production in March 1976 and Afton proceeded on schedule toward production in late 1977.

Feasibility studies continued at Sam Goosly and Chappelle, and were initiated at Goldstream and Rexspar as described previously.

REPORTS ON METALS EXPLORATION

SOUTHEAST BRITISH COLUMBIA (NTS Division 82)

PENTICTON 82E

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

LOCATION: Lat. 49° 07' Long. 118° 23.5' (82E/1W)
GREENWOOD M.D. Ten kilometres north-northeast of Grand Forks, extending north and south from Snowball Creek, between 1 050 and 1 170 metres elevation.

CLAIMS: WENDY 1, 2, 4 to 8, 11, 13, 15 to 18, 21 to 28.

OWNER: Terence F. Schorn.

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

METAL: Uranium.

DESCRIPTION: Radioactive material occurs in biotite-rich sections of pegmatite lenses cutting Precambrian metasedimentary and intrusive rocks. In places quartz monzonite dykes cut the gneisses and some of the pegmatites. *The gneisses are extremely folded in a general northeast-southwest direction. Uranium-bearing mineralization appears to be associated with the pegmatite lenses but reportedly has been found as vein-type pitchblende or uraninite in a shear zone. At other localities in the area minor molybdenite, scheelite, chalcopyrite, pyrrhotite, sphalerite, and pyrite occurrences are reported.*

WORK DONE: Geochemical survey, 380 soil samples covering Wendy 5-8, 15-18, 21-28; ground radiometric survey, 21 line-kilometres covering Wendy 5-8, 15-18, 21-28.

REFERENCES: Mineral Inventory 82E/SE-142 to 145; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, p. 374; 1975, p. E 11; Assessment Reports 3172, 5585, 5964.

HEK (Fig. E-1, NTS 82, No. 129)

LOCATION: Lat. 49° 12' Long. 118° 28' (82E/1W)
GREENWOOD M.D. Twenty kilometres north of Grand Forks, 3 kilometres west of the Granby River, straddling Glover Creek, a southerly flowing tributary of Pass Creek.

CLAIM: HEK (9 units).

OWNER: Consolidated Boundary Exploration Ltd.

OPERATOR: HECLA MINING COMPANY OF CANADA LTD., 2009, 1177 West Hastings Street, Vancouver V6E 2K3.

METAL: Gold.

1976

(82E/2)

DESCRIPTION: Iron sulphides occur at the contact between porphyritic quartz monzonite and siliceous metasedimentary rocks of the Anarchist Group.

WORK DONE: Linecutting; surface geological mapping; geochemical survey, 190 soil samples analysed for gold and copper; and magnetometer survey, 15 line-kilometres, covering all claims.

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

LOCATION: Lat. 49° 09' Long 118° 49.5' (82E/2)
GREENWOOD M.D. Nine kilometres northwest of Greenwood, at the headwaters of Wallace Creek, on the northeast slope of Copper Mountain.

CLAIMS: PEN (1 to 20 units), AB (1 to 16 units), JOE (1 to 12 units).

OWNERS: J. Forshaw and V. Luznar.

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

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: Surface geological mapping, 1:10 000, covering all claims; geochemical survey, 156 soil samples analysed for copper and zinc, covering Joe (units 1-12).

REFERENCES: Mineral Inventory 82E/SE-118; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 16; Assessment Reports 2925 (J, VJ, etc.), 5842, 6017.

BOUNDARY FALLS, TUNNEL (Fig. E-1, NTS 82, No. 4)

LOCATION: Lat. 49° 03' Long. 118° 42' (82E/2E)
GREENWOOD M.D. Five and one-half kilometres south-southwest of Greenwood, 500 metres northwest of Boundary Falls, on the west side of Boundary Creek.

CLAIMS: BOUNDARY FALLS (Lot 889), TUNNEL (Lot 888), A 1 to 6, Mineral Lease M-431 (Lot 2374), ACE 1 (2 units).

OWNER: Estey Agencies Ltd.

OPERATOR: AMIGO SILVER MINES LTD., 1710, 1177 West Hastings Street, Vancouver.

METALS: Gold, silver, lead, copper.

DESCRIPTION: The claims are underlain by Jurassic to Late Cretaceous limestones, phyllites, and volcanic rocks which have been metamorphosed, sheared in a northwesterly direction, and intruded by a late granitic intrusion. A

quartz ledge dipping 75 degrees northwest carries coarse iron pyrites and is 5 to 60 centimetres wide. Mineralization in the form of limonite, pyrite, galena, (tetrahedrite ?), gold, silver, and chalcopyrite occurs as fractures in quartz in fissure-type veins and associated silicified zones.

WORK DONE: 1975 — five 1 5/16-inch diamond-drill holes totalling 331.2 metres on Tunnel (Lot 888), Boundary Falls (Lot 889), and A 3.

REFERENCES: Mineral Inventory 82E/SE-45, 171; *Minister of Mines, B.C.*, Ann. Rept., 1897, p. 587; 1898, p. 1125; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 13, E 14; Assessment Reports 5618, 6067.

FANNY JOE, SUNNYSIDE (Fig. E-1, NTS 82, No. 8)

LOCATION: Lat. 49° 03.5' Long 118° 36.5' (82E/2E)
GREENWOOD M.D. Six kilometres southeast of Greenwood, on the west and north sides of Mount Attwood, between 1 250 and 1 750 metres elevation.

CLAIMS: Mineral Lease M-401 comprising FANNY JOE (Lot 729S) and SUNNYSIDE (Lot 2879) plus TW 1 to 16, BEV 1 to 6.

OWNER: SILVER FALLS RESOURCES LTD., 625 West Hastings Street, Vancouver V6B 1L8.

METALS: Lead, zinc, copper, silver.

DESCRIPTION: Pyrite, chalcopyrite, sphalerite, galena, magnetite, pyrrhotite, and minor arsenopyrite occur in siliceous sheared sedimentary rocks and skarny limestones. Fine to medium-grained diorites, which are probably phases of the Nelson intrusions, have been observed to intrude sedimentary rocks of the Anarchist Group in the area.

WORK DONE: Prospecting; geochemical survey, 62 soil samples and 5 rock samples analysed for copper, lead, and gold, covering Sunnyside (Lot 2879) and Bev 2.

REFERENCES: Mineral Inventory 82E/SE-159, 160; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 33; Assessment Reports 1232, 4462, 5872.

SKYLARK (LAST CHANCE) (Fig. E-1, NTS 82, No. 7)

LOCATION: Lat. 49° 05.5' Long. 118° 38' (82E/2E)
GREENWOOD M.D. Two kilometres east of Greenwood, on and extending south from Twin Creek, between 1 150 and 1 350 metres elevation.

CLAIMS: SKYLARK (Lot 763), LAST CHANCE (Lot 753), IRON CAP (Lot 1574), TRIUMVIRATE FR. (Lot 1777), SILVER CLOUD (Lot 1218), SILVER CLOUD FR. (Lot 454S), MEADOW LARK (Lot 1712), HOPE NO. 2 (Lot 1849), ARCADIA (Lot 3135), DENVER (Lot 764), SMILAX FR. (Lot 1064), SILVER KING (Lot 1097).

OWNER: John MacLean.

OPERATOR: GREENWOOD EXPLORATIONS LTD., 910 Mainland Street, Vancouver.

1976

(82E/2E)

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

DESCRIPTION: Skarn-type mineralization in the form of magnetite, pyrite, pyrrhotite, galena, sphalerite, and argentite occurs as disseminations in greenstone as fracture coatings, as quartz veinings in limy greenstone, and as massive sulphides in a skarnified greenstone. Significant gold and silver values are present in quartz veins in limy greenstone. The skarn zone is associated with a granitic intrusion. The area is underlain by Permian volcanic and sedimentary rocks of the Anarchist Group. Malachite stain is exhibited on some of the quartz veins.

WORK DONE: 1975 — surface geological mapping, 1:4800 and trenching, covering Skylark, Last Chance, and Silver Cloud.

REFERENCES: Mineral Inventory 82E/SE-4, 11; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, pp. 33, 34; Assessment Reports 542, 1819, 5181, 5925.

ORO DENORO (Fig. E-1, NTS 82, No. 123)

LOCATION: Lat. 49° 08.5' Long. 118° 32.5' (82E/2E)

GREENWOOD M.D. Ten kilometres east-northeast of Greenwood, surrounding the north, west, and south sides of Wilgress Lake.

CLAIMS: ORO DENORO (Lot 692), EMMA (Lot 591), JUMBO (Lot 592), R BELL (Lot 1506), NOVELTY FR. (Lot 949), B C FR. (Lot 464S), SILVER PLUME (Lot 1945), ROCKLAND (Lot 1493), MARY B (Lot 1568), METABELLE FR. (Lot 2114), MOUNTAIN ROSE (Lot 794), MINNE MOOR (Lot 593), BLUE BELL (Lot 2136), NORTON FR. (Lot 986), ERWIN (Lot 1691), MOUNTAIN VIEW (Lot 1533), LONDON NO. 2 (Lot 465S), VASHTI (Lot 950), CORDICK (Lot 625), DUPLICATE (Lot 949), and MAY (Lot 1409) Crown-granted claims and leases plus ELMER NO. 2, SAC 1 Fraction, SAC 2 to 9, CHEMICAL Fraction, JOINER Fraction, APRIL Fraction, REMINGTON Fraction, JEEP 1, 8 to 12, and 18 Fractions, JEEP 13, 15, and 16, DENORO Fraction, MAB Fraction, MAB 2 to 5, CAP 1 to 3 Fractions, SUPER CHIEF Fraction, PRADO Fraction, JAGGED Fraction, EYE 1 to 4 Fractions, ONTARIO, BRAYFOGLE, JUMBO Fraction, NEW STAN 1 to 5, NEW STAN 3 and 4 Fractions, SLIVER Fraction, DELTA Fraction located claims.

OWNER: GRANBY MINING CORPORATION, 17th Floor, 1050 West Pender Street, Vancouver V6E 2H7.

METALS: Copper, silver, gold, iron.

DESCRIPTION: Chalcopyrite and pyrite, with magnetite and pyrrhotite in some sections, occur in a massive garnet skarn developed from limestone of Middle Triassic age.

WORK DONE: Induced polarization survey, 7 line-kilometres covering Mab 2-5 and Mab Fraction.

REFERENCES: Mineral Inventory 82E/SE-60, 62 to 64, 122; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 14, E 15; Assessment Report 6175.

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

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, at approximately 800 metres elevation.

CLAIMS: ROB 1 to 8.

OWNER: John R. Lakes.

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

DESCRIPTION: The drill hole intersected Cache Creek lavas.

WORK DONE: Surface diamond drilling, one BQ hole totalling 151.8 metres on Rob 3.

REFERENCES: *B.C. Dept. of Mines and Pet. Res.*, GEM, 1975, p. E 16; Assessment Reports 5660, 6083.

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

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: Mineral Lease M-415 comprising RIVERSIDE (Lot 1031), HR (Lot 1033), RIVERSIDE NO. 2 FR. (Lot 2605S).

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

METALS: Silver, gold, lead, zinc.

DESCRIPTION: Greenstone and detrital sedimentary rocks of the Anarchist Group are interbedded. The sedimentary rocks consist of impure quartzite and calcareous siltstone, show varying degrees of alteration and chloritization, and are intruded by highly altered, ultrabasic dykes. Veinlets of calcite, epidote, and quartz are present. Irregular quartz veins contain intimately associated pyrite, galena, and sphalerite. The latter are also disseminated within the envelopes of altered rock.

WORK DONE: Trenching, 58.5 metres on Riverside (Lot 1031); stripping, 45 metres on Riverside No. 2 Fr. (Lot 2605S).

REFERENCES: Mineral Inventory 82E/SE-114; *Minister of Mines, B.C.*, Ann. Rept., 1921, pp. 186, 188; 1938, p. D23; Assessment Reports 1766, 2882.

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

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 8 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., 516, 198 West Hastings Street, Vancouver V6B 1G8.

1976

(82E/3E)

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, carries gold-silver-copper values plus added arsenopyrite veins assaying in gold values. Southward, on an adjacent claim, is an east-west quartz vein, assaying in gold.

WORK DONE: Test pitting by way of air drilling with tungsten carbide drill bits (short hole surface drilling), approximately 180 lineal metres covering Mabel.

REFERENCES: Mineral Inventory 82E/SE-203; *Minister of Mines, B.C.*, Ann. Rept., 1935, pp. D5-D7; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 38; *B.C. Dept. of Mines & Pet. Res.*, Geological Fieldwork, 1975, pp. 19, 20.

HOMESTAKE, DAISY FR. (Fig. E-1, NTS 82, No. 13)

LOCATION: Lat. 49° 05' Long. 119° 08' (82E/3E)
GREENWOOD M.D. Nine and one-half kilometres east-northeast of Osoyoos, 1 kilometre west of the intersection of the natural gas pipeline and Rock Creek, at approximately 1 200 metres elevation.

CLAIMS: HOMESTAKE (Lot 1892), DAISY FR. (Lot 1881).

OWNER: MALCOLM K. LORIMER, 3082 West 27th Avenue, Vancouver.

METAL: Copper.

DESCRIPTION: The claims are underlain by Permian sedimentary rocks carrying quartz and calcite veinlets with which chalcopyrite, pyrite, and pyrrhotite are associated. A large body of granodiorite is exposed immediately to the south.

WORK DONE: Geochemical survey, 92 soil samples, covering both claims.

REFERENCES: Mineral Inventory 82E/SW-119; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 51; Assessment Reports 2359, 2748, 5249, 6074.

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

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.

OPERATOR: G. O'BRIEN, Box 1401 Station A, Vancouver.

DESCRIPTION: The claim area is covered by glacial drift of unknown thickness. The area is underlain by Nelson plutonic rocks. This group is bordered to the east by the Anarchist Group.

WORK DONE: Geochemical survey, 97 soil samples, covering Sheila (20 units).

REFERENCE: Assessment Report 5991.

1976

(82E/3E)

BALDY, RICE (Fig. E-1, NTS 82, No. 14)

LOCATION: Lat. 49° 06' Long. 119° 10' (82E/3E)
GREENWOOD M.D. Twenty-three kilometres east-northeast of Osoyoos, on Rice Creek, between 1 100 and 1 200 metres elevation.

CLAIMS: HAG 1 (units 1 to 20), HAG 2 (units 1 to 20), HAG 3 (units 1 to 20), HAG 4 (units 1 to 20), HAG 5 (units 1 to 4), HAG 6 (units 1 to 4), and KNIGHT RAMBLER (Lot 3015), VERNON (Lot 759), ISLANDER (Lot 1090), BIG BUG (Lot 923) Crown-granted claims.

OWNER: Nevex Mines Ltd.

OPERATOR: CANEX PLACER LIMITED, 800, 1030 West Georgia Street, Vancouver V6E 3A8.

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

DESCRIPTION: The area is underlain by several members of the Anarchist Group which includes greenstones, quartzites, greywackes, and limestone. Copper, lead, zinc, and silver mineralization in the form of chalcopyrite, galena, sphalerite, and tetrahedrite is present in the old Crown-granted workings covered by the claims.

WORK DONE: Seismic testing (eight sites), covering Hag 1 (units 1, 3, 10) and Hag 4 (units 2, 7); induced polarization survey, 10.1 line-kilometres, covering Hag 1 and Hag 4; percussion drilling, eight holes (187 samples assayed for gold, silver, copper, zinc, lead) totalling 603 metres on Hag 1 (units 2, 3, 8, 9) and Hag 4 (units 2, 9).

REFERENCES: Mineral Inventory 82E/SE-22, 118, 127 to 129; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 17; Assessment Reports 5408, 5795, 6133.

GIL, PA (Fig. E-1, NTS 82, No. 15)

Location: Lat. 49° 07' Long. 119° 55' (82E/4W)
OSOYOOS M.D. Eleven kilometres southwest of Keremeos, covering the headwaters of Gillanders Creek, between 1 500 and 2 200 metres elevation.

CLAIMS: GIL 1 to 26, LIG 1 to 18, LI 1 to 20, LG 1 (6 units).

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

METALS: Tungsten, molybdenum, zinc, copper.

DESCRIPTION: A layered sequence (Cache Creek equivalents?) of Old Tom and Shoemaker Formations consists of chert, greenstone, greywacke, and pure and impure limestones. An areally large thermal metamorphic event has produced extensive calc-silicate skarn with tungsten, zinc, and molybdenum mineralization. At depths copper and molybdenum mineralization occurs with a young, felsic, igneous intrusion.

WORK DONE: Channel sampling, 25 rock samples, analysed for copper, molybdenum, and tungsten on LG 1 (6 units).

REFERENCES: Mineral Inventory 82E/SW-122; *B.C. Dept of Mines & Pet. Res.*, GEM, 1975, pp. E 20, E 21; Assessment Report 6191.

1976

(82E/5W)

INEZ, GWEN (Fig. E-1, NTS 82, No. 19)

LOCATION: Lat. 49° 18.5' Long. 119° 48' (82E/5W)
OSOYOOS M.D. Six kilometres north-northeast of Olalla, adjoining the southeast corner of Indian Reserve 12, and immediately south of Marsel Creek.

CLAIMS: INEZ 1 and 2, GWEN 3 and 4.

OWNER: CHARLES I. BRETT, Okaview Road, Kelowna.

WORK DONE: Prospecting and magnetometer survey, approximately 2.5 kilometres, covering Inez 1, 2 and Gwen 3.

REFERENCE: Assessment Report 5786.

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

LOCATION: Lat. 49° 10' Long. 120° 00' (82E/4W; 92H/1E)
OSOYOOS M.D. Straddling the confluence of Gillanders Creek and the Ashnola River, 13.5 kilometres east-southeast of Keremeos.

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.

METALS: Molybdenum, copper, silver, gold.

DESCRIPTION: Molybdenite occurs in andesitic tuff which is intruded by granodiorite. Fracturing and quartz veining with abundant pyrite are common.

WORK DONE: Surface geological mapping, 1:1000 and geochemical survey, 3 line-kilometres, covering part of Fob 2; magnetometer survey, 1 line-kilometres; VLF EM survey, 2 line-kilometres; and self-potential survey, 1 line-kilometre, covering Fob 2 and 4; surface diamond drilling, three NQ holes totalling 322 metres on Fob 2.

REFERENCE: Assessment Report 6173.

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

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 9.

OWNER: ALBERT FALKENSTEIN, Box 4, Keremeos.

METALS: Gold, silver, niobium ?.

DESCRIPTION: Chert and greenstone were intersected by diamond-drill hole. Mineralization was confined to pyrite and manganese oxides.

WORK DONE: Surface diamond drilling, one X-ray hole totalling 25.2 metres on Reno 7.

REFERENCES: Mineral Inventory 82E/SW-123; B.C. Dept. of Mines & Pet. Res., GEM, 1974, p. 55; Assessment Reports 5005, 5871.

1976

(82E/5E)

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

LOCATION: Lat. 49° 21.5' Long. 119° 33.5' (82E/5E)
OSOYOOS M.D. Two kilometres north-northeast of Okanagan Falls post office, on the east side of Skaha Lake.

CLAIMS: WHY 5 (3 units), WHY 6 (3 units), WHY 7 (3 units), WHY 8 (3 units).

OWNERS: K. G. EWERS and K. G. THOMPSON, Box 106, Hody Drive, Okanagan Falls V0H 1R0.

DESCRIPTION: The area is underlain by Tertiary conglomerates, sandstones, shales, tuffs, minor agglomerates, and breccias.

WORK DONE: Prospecting and trenching on Why 5 (3 units) and Why 6 (3 units).

REFERENCE: Assessment Report 5816.

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

LOCATION: Lat. 49° 22' Long. 119° 35' (82E/5E)
OSOYOOS M.D. West shore of Skaha Lake, extending south from Kaleden, along the lakeshore.

CLAIMS: MICRAU (units 1 to 3, 14 to 19, and 25 to 30).

OWNERS: K. L. DAUGHTRY, W. R. GILMOUR, and K. A. MENEICE, Box 795, Vernon V1T 6M7.

DESCRIPTION: The claims are underlain by a faulted, southeast-plunging synclinal basin of Eocene volcanic and sedimentary rocks.

WORK DONE: Prospecting; photogeology and geological mapping, 1:20 000, covering all Micrau claim units; geochemical survey, 122 soil samples analysed for silver covering Micrau (units 1-3, 14-16, 18, 25-30) and 19 rock-chip samples analysed for gold and silver covering Micrau (units 1, 2, 14-16, 25, 29, 30).

REFERENCE: Assessment Report 6154.

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

LOCATION: Lat. 49° 17' Long. 119° 18' (82E/6W)
OSOYOOS M.D. Twenty kilometres northeast of Osoyoos, on Fish Creek, 4 kilometres upstream from its confluence with Vaseux Creek.

CLAIMS: AU 1 to 6, RAIN 1 and 2, GOLD 9 and 10.

OWNERS: Kenneth G. Ewers, R. W. McLean, and K. G. Thompson.

OPERATORS: GRANBY MINING CORPORATION and CANEX PLACER LIMITED, 800, 1030 West Georgia Street, Vancouver.

METALS: Gold, silver.

DESCRIPTION: The area is generally drift covered with some exposure of Tertiary volcanic rocks of andesitic composition. Gold and silver values were reported in a sample of fresh andesitic rock. Silicification, rusty weathering, and calcite veining are predominantly associated with the volcanic rocks exposed in trenches.

1976

(82E/6W)

WORK DONE: Prospecting, trenching, and assaying (25 rock samples), covering Au 1 to 6 and Rain 1 and 2.

REFERENCES: Mineral Inventory 82E/SW-112; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 21; Assessment Reports 5009, 5702, 5886.

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

LOCATION: Lat. 49° 16' Long. 119° 03' (82E/6E)

GREENWOOD M.D. Eighteen kilometres south of Beaverdell, on the west side of the West Kettle River, at the head of Richelieu Creek, 4 kilometres west of its confluence with the West Kettle River.

CLAIM: SCINT (20 units).

OWNER: LION MINES LTD., 821, 602 West Hastings Street, Vancouver V6B 1P2.

METAL: Uranium.

DESCRIPTION: Disseminated uraninite mineralization occurs in Nelson intrusive rocks. A radiometric survey detected an anomalous reading along the contact between Nelson intrusive rocks and the Eocene tuffs and conglomerates.

WORK DONE: Geological survey and reconnaissance radiometric survey covering Scint (11 units).

REFERENCE: Mineral Inventory 82E/SW-139.

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

LOCATION: Lat. 49° 16' Long. 118° 32' (82E/7E, 1W, 2E, 8W)

GREENWOOD M.D. Twenty-three kilometres north-northeast of Greenwood, 4 kilometres west-northwest of the Rock Candy mine workings, on Kennedy Creek.

CLAIMS: JP 1 (20 units), JP 2 (20 units), JP 3 (20 units), JP 4 (20 units), JP 5 (20 units), JP 6 (20 units), JP 7 (18 units), JP 8 (12 units), JP 9 (20 units), JP 10 (20 units), JP 11 (12 units).

OWNER: GETTY MINING PACIFIC, LIMITED, 622, 510 West Hastings Street, Vancouver V6B 1L8.

DESCRIPTION: The claim area is underlain mainly by medium to coarse-grained syenites of the (Eocene) Coryell intrusions. No mineralization was observed.

WORK DONE: Surface geological mapping, 1:100, covering four claims; linecutting; scintillometer survey, 37.4 line-kilometres; geochemical survey, 750 soil samples and 9 rock samples analysed for uranium, covering JP 1 (units 1, 16, 17, 27, 28), JP 2 (units 1-5), JP 5 (units 1, 16), JP 6 (units 1, 2, 15-19, 25-29).

REFERENCE: Assessment Report 6150.

(82E/7W)

HOODOO (Fig. E-1, NTS 82, No. 21)

LOCATION: Lat. 49° 24' Long. 118° 55' (82E/7W)
GREENWOOD M.D. Twenty-five and one-half kilometres north of Westbridge, on Crouse Creek, at approximately 1 000 metres elevation.

CLAIM: HOODOO (1 to 4 units).

OWNER: TECK CORPORATION LTD., 14, 1199 West Hastings Street, Vancouver V6E 2K5.

DESCRIPTION: Quartz monzonite exhibits local bleaching and chloritization. A 50-centimetre wide rusty shear strikes north 45 degrees east and dips steeply south. One or two small andesite dykes were seen elsewhere.

WORK DONE: Geochemical soil survey, 137 samples analysed for silver, 1 line-kilometre covering Hoodoo (unit 2).

REFERENCES: B.C. Dept. of Mines & Pet. Res., GEM, 1975, p. E 23; Assessment Report 5838.

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

LOCATION: Lat. 49° 32' Long. 118° 23' (82E/9W)
GREENWOOD M.D. Fifty-three kilometres north of Grand Forks, extending south from the junction of Burrell and Franklin Creeks, at approximately 1 000 metres elevation.

CLAIMS: ALCO (20 units), ALCO 2 (6 units), ALCO 3 (4 units).

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

METALS: Copper, molybdenum.

DESCRIPTION: Within Nelson granodiorite, a zone of fractured rock contains a stockwork of weakly altered and weakly mineralized fracture fillings. Weak propylitic and argillic alteration is evident, accompanied by weak quartz-chalcopyrite-molybdenite mineralization. Alteration and mineralization are confined to the zone of fracturing, which grades without any sharp contact into the surrounding unfractured, unaltered, and unmineralized country rock.

WORK DONE: Linecutting, 32.9 kilometres; geological mapping, 1:5000; and geochemical survey, 350 soil samples analysed for copper and molybdenum, covering all claims; radioactivity survey, 1.5 line-kilometres, covering Alco; induced polarization survey, 12.5 line-kilometres and magnetometer survey, 28.2 line-kilometres, covering all claims; percussion drilling, seven holes totalling 640 metres on Alco.

REFERENCES: Mineral Inventory 82E/NE-13, 14; B.C. Dept. of Mines & Pet. Res., GEM, 1975, p. E 25; Assessment Reports 1845, 6018.

1976

(82E/9W)

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

LOCATION: Lat. 49° 38' Long. 118° 17' (82E/9W)
GREENWOOD M.D. Seventeen kilometres northwest of Renata, 2 kilometres east of the confluence of McFarlane and Burrell Creeks.

CLAIM: NOVE 1 (13 units).

OWNER: HESCA RESOURCES CORPORATION LTD., 705, 900 West Hastings Street, Vancouver V6C 1E5.

METALS: Copper, lead.

DESCRIPTION: A bleached, feldspathized-silicified contact zone occurs between a Paleocene Coryell granite intrusion and a large remnant of Cretaceous Valhalla intrusion. Disseminated chalcopyrite, pyrite, and hematite with minor veinlets of galena occur in the altered zone.

WORK DONE: Surface diamond drilling, two BQ holes totalling 116 metres on Nove 1 (unit 12).

REFERENCE: Mineral Inventory 82E/NE-45.

DONEN (Fig. E-1, NTS 82, No. 120)

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

CLAIMS: DONEN 361 (units 1 to 3, 14 to 16).

OWNER: Nissho-Iwai Canada Ltd.

OPERATOR: POWER REACTOR & NUCLEAR FUEL DEVELOPMENT CORPORATION, 9-13, 1-chome, Akasaka, Minato-ku, Tokyo, Japan.

METAL: Uranium.

DESCRIPTION: The geology consists of four rock formations: the Monashee Group, the Valhalla and Nelson plutonic rocks, the Kettle River Formation, and the Late Tertiary plateau basalts. The plateau basalts are the only uraniferous unit found on the property. The anomalous radioactivity was generally detected in the basal sandstones and conglomerates of the plateau basalts.

WORK DONE: Surface diamond drilling, three BQ holes totalling 738.4 metres on Donen 361 (units 1, 8, 15).

REFERENCES: Mineral Inventory 82E/NE-47; Assessment Report 5982.

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

LOCATION: Lat. 49° 36' Long. 118° 55' (82E/10W)
GREENWOOD M.D. Fourteen kilometres east-southeast of Beaverdell, adjoining the north ends of Joan Lake and Lassie Lake.

CLAIMS: BEVERLY (13 units), MORAIG (15 units), BLIZZARD (20 units), PATRICIA (10 units).

OWNER: LACANA MINING CORPORATION, 312, 409 Granville Street, Vancouver V6C 1T5.

(82E/14E)

METAL: Uranium.

DESCRIPTION: Uranium mineralization, believed to be autunite, is found in a paleostream channel or basin within Valhalla intrusive rocks. The channel is capped by Miocene basalt believed to be similar to the plateau basalt unit found on the nearby Fuki-Donen property. This channel does not outcrop, but drilling indicates that sedimentary material is quite soft and contains clay and occasional wood fragments.

WORK DONE: Surface geological mapping, 1:4800 and geochemical survey, 135 soil samples analysed for uranium, 240-metre by 30-metre grid, covering Beverly (units 3-6, 11-14, 19-22) and Patricia (units 1-4, 13-16); radon gas sampling, 240-metre by 60-metre grid, covering Moraig (units 1-15); scintillometer survey (random); percussion drilling, 13 holes totalling 879 metres on Beverly and 2 holes totalling 75 metres on Moraig (unit 15) and Patricia (unit 10).

REFERENCES: Assessment Reports 6167, 6168.

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

LOCATION: The PB claims are divided into three 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.

PB 260 to 289—
Lat. 49° 47' Long. 119° 03' (82E/14E)
GREENWOOD M.D. Thirty-two kilometres east-southeast of Kelowna, extending along the northwest side of the West Kettle River, opposite the mouth of Campin Creek.

CLAIMS: PB 81 to 146, 162 to 165, 180 to 198, 208, 209, 212 to 214, 250 to 289, totalling approximately 132 claims.

OWNER: Nissho-Iwai Canada Ltd.

OPERATOR: POWER REACTOR & NUCLEAR FUEL DEVELOPMENT CORPORATION, 9-13, 1-chome, Akasaka, Minato-ku, Tokyo, Japan.

METAL: Uranium.

DESCRIPTION: Uranium mineralization occurs within the plateau basalt unit, which is made up of olivine basalt and its tuff breccia, sandstone, and conglomerate.

WORK DONE: Surface diamond drilling, four holes totalling 196.4 metres on PB 181, 182, 185, and five holes totalling 404.7 metres on PB 95, 102, 108, 118.

REFERENCES: Mineral Inventory 82E/NW-50, 51; B.C. Dept. of Mines & Pet. Res., GEM, 1975, pp. E 29, E 30; Assessment Reports 5972, 5982.

1976

(82E/11E, 6E)

CARMI MOLYBDENUM (CA) (Fig. E-1, NTS 82, No. 24)

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, at 1 000 to 1 350 metres elevation.

CLAIMS: MY, MARC 1 to 24, IVY 21 to 36, CAPCO, MARY O, etc. totalling approximately 159 claims plus CA 1 to CA 5, totalling 92 units.

OWNER: Vestor Explorations Ltd.

OPERATOR: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops V2C 2E2.

METALS: Molybdenum, copper.

DESCRIPTION: Molybdenite and chalcopyrite mineralization occurs in brecciated granodiorite (Nelson ?) which is intruded by younger quartz monzonite and porphyries, also mineralized. The mineralized zones are within an annular-shaped pyritic zone approximately 2 kilometres in diameter.

WORK DONE: Magnetic survey, 62 kilometres; geochemical survey, 750 samples analysed for copper and molybdenum; and induced polarization survey, 62 kilometres, covering all claims; drilling, 2 000 metres on CA 2, 3, 4, 5 and 300 metres on Ivy O.

REFERENCES: Mineral Inventory 82E/NW-36, 37, 104; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 25, E 26; Assessment Reports 5914, 6023.

MAURICE (Fig. E-1, NTS 82, No. 144)

LOCATION: Lat. 49° 55' Long. 119° 49' (82E/13W)
VERNON M.D. Twenty-three kilometres west of Kelowna, extending northwest from Jackpine Lake, at approximately 1 300 metres elevation.

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: Stripping and trenching on all claims.

REFERENCES: Mineral Inventory 82E/NW-54; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 28.

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

LOCATION: Lat. 49° 56' Long. 119° 59' (82E/13W)
OSOYOOS and NICOLA M.D. Thirty-five kilometres west of Kelowna, 6.4 kilometres north of the Brenda mine, covering the headwaters of Trepanier Creek, at approximately 1 500 metres elevation.

CLAIMS: TRE 1 to 18, TRE 19 (8 units).

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

1976

(82E/13E)

METALS: Copper, molybdenum.

DESCRIPTION: Underlying the property are a porphyritic quartz diorite phase of the Brenda stock and two areas of volatile-rich intrusive breccia. Alteration comprises quartz-hematite-pyrite; chlorite-epidote-K-feldspar; biotite-chalcopyrite-pyrite; and chlorite. The dominant trend is northwest. Molybdenite is associated with the quartz-hematite-pyrite alteration and not with the biotite-chalcopyrite-pyrite.

WORK DONE: Surface geological mapping, 1:4800, covering Tre 7 and 8; geochemical survey (soil pit profiles), 313 soil samples analysed for copper and molybdenum, covering all claims.

REFERENCES: Mineral Inventory 82E/NW-8; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 28, E 29; Assessment Report 6062.

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

LOCATION: Lat. 49° 56' Long. 119° 38' (82E/13E)

VERNON M.D. Nineteen kilometres north-northeast of Peachland, between Power Creek and the headwaters of McDougall Creek.

CLAIMS: CM 1 to 18, totalling 270 units.

OWNERS: Tyee Lake Resources Ltd. and Peregrine Petroleum Ltd.

OPERATOR: TYEE LAKE RESOURCES LTD., 305, 850 West Hastings Street, Vancouver.

DESCRIPTION: Anomalous radioactivity values were detected in the area of the property. The area is characterized by Tertiary conglomerates on a granitic basement, overlain by basaltic and andesitic flows and agglomerates.

WORK DONE: Surface diamond drilling, one NQ hole totalling 51.8 metres on CM 3; one BQ hole totalling 76.2 metres on CM 1; one BQ hole totalling 153.3 metres on CM 8; and one BQ hole totalling 221.3 metres on CM 16.

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

LOCATION: Lat. 49° 45' Long 119° 05' (82E/14E)

GREENWOOD M.D. Seven kilometres southwest of McCulloch, on the West Kettle River, east of Big White Mountain.

CLAIMS: GOAT 1 to 8 (138 units).

OWNER: Peregrine Petroleum Ltd.

OPERATOR: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver.

DESCRIPTION: The claim area is underlain in part by basement metamorphic rocks of the Monashee Group, Valhalla/Coryell plutonic rocks, and volcanic/sedimentary cover rocks of the Cache Creek and Kettle River Formations and the plateau basalt unit. Much of the area is drift covered.

1976

(82E/14E)

WORK DONE: Regional geological mapping, 1:25 000, 320 square kilometres, covering all claims; regional geochemical survey, 70 stream sediment samples (11 from Goat claims); airborne magnetometer, radiometric, and electromagnetic surveys, 640 line-kilometres, covering all claims.

REFERENCE: Assessment Report 6116.

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

LOCATION: Lat. 49° 48' Long. 119° 13' (82E/14E)
VERNON, OSOYOOS, and GREENWOOD M.D. Twenty-one kilometres east-southeast of Kelowna, covering Browne and Fish Lakes and at the headwaters of Grouse Creek.

CLAIMS: KETTLE 1 to 23 (196 units), URANUS 1, 2, 5 to 8 (93 units).

OWNER: TYEE LAKE RESOURCES LTD., 305, 850 West Hastings Street, Vancouver V6C 1E2.

METAL: Uranium.

DESCRIPTION: Anomalous radioactivity was detected in unconsolidated Middle Tertiary stream deposits on a weathered granite regolith.

WORK DONE: Surface diamond drilling, 29 holes totalling 1 619 metres on Kettle 6, 7, 9, 11, 12, 17, 18.

REFERENCES: Mineral Inventory 82E/NW-53; Assessment Report 6011.

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

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: BS 1 to 15, 17, and 19.

OWNER: R. W. YORKE-HARDY, Box 325, Logan Lake.

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

DESCRIPTION: Galena, sphalerite, and pyrite with minor chalcopyrite and scheelite occur in quartz veins adjacent to a porphyry granite segment of the Nelson batholith and in quartz stringers forming a large stockwork or breccia zone.

WORK DONE: Trenching and stripping, 30 square metres on BS 5-8, 12, 15.

REFERENCE: Mineral Inventory 82E/NE-44.

NELSON 82F

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

LOCATION: Lat. 49° 09' Long. 117° 10' (82F/3E)
NELSON M.D. Eight kilometres east-southeast of Salmo, on Hedgehog Creek, 1.5 kilometres above the junction with Sheep Creek.

1976

(82F/3E)

CLAIMS: DOUBLE B, DOUBLE B 2, 3, 5, 6, DOUBLE B Fraction, plus Mineral Lease M-6.
OWNER: F. W. CARTWRIGHT, 704 Railway Street, Nelson.
METALS: Lead, zinc, tungsten.
DESCRIPTION: Limestones and dolomites are skarnified at contacts with granitic intrusions.
WORK DONE: Trenching, 80 square metres on Mineral Lease M-6; test pits, 20 square metres on Double B Fraction; road repairs.
REFERENCES: Mineral Inventory 82F/SW-263; *Minister of Mines, B.C.*, Ann. Rept., 1968, pp. 244, 245.

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

LOCATION: Lat. 49° 15' Long. 117° 09' (82F/3E)
NELSON M.D. Ten kilometres northeast of Salmo, extending west from Spot Creek, a tributary of Active Creek.
CLAIMS: JACKPOT, INK SPOT, ACE, JAMESONITE, CANADIAN BOY, CANADIAN GIRL, TWO SPOT, SPOT Fraction, CHIEF, JAY, CHIEF Fraction, JAY Fraction, JAMESONITE Fraction, ELM 5 Fraction, RUSH 1, RUSH 1 Fraction, and HUNTER V (Lot 2212), DOUBLE STANDARD (Lot 2213), MERCIA FR. (Lot 2224), ELDORADO (Lot 5198), CHIHUAHUA (Lot 5199), CARMENCITA (Lot 5201).
OWNER: New Jersey Zinc Exploration Company (Canada) Ltd.
OPERATOR: COMINCO LTD., 2200, 200 Granville Square, Vancouver V6C 1R1.
METALS: Zinc, lead, minor cadmium.
DESCRIPTION: Isoclinally folded Lower Cambrian carbonates in the south Kootenay Arc host lead-zinc mineralization in dolomitized structures. Massive sulphides within dolomite envelopes occur in an F_2 fold axis. The deposit is described as a concordant Salmo subtype deposit.
WORK DONE: Surface diamond drilling, 47 holes totalling 2 458 metres on Two spot.
REFERENCES: Mineral Inventory 82F/SW-12 to 15; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 31.

SUNSET (Fig. E-1, NTS 82, No. 143)

LOCATION: Lat. 49° 00' Long. 117° 51' (82F/4W)
TRAIL CREEK M.D. Seven kilometres south of Rossland, extending north from the International Boundary, on the west side of Little Sheep Creek.
CLAIMS: SUNSET (Lot 6563), LONE STAR (Lot 4675), PAT (units 1 to 20), MOUNTAIN TRAIL.
OWNER: BOW RIVER RESOURCES LTD., 333, 885 Dunsmuir Street, Vancouver.
METALS: Lead, zinc, copper, silver, gold.

1976

(82F/4E)

DESCRIPTION: Lenses containing galena, sphalerite, and chalcopyrite occur in argillaceous sedimentary rocks of the Mount Roberts Formation.

WORK DONE: Bulldozer trenching on Pat.

REFERENCES: Mineral Inventory 82F/SW-160; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 32.

U308 (Fig. E-1, NTS 82, No. 32)

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).

OWNER: PETER LEONTOWICZ, RR 1, New Denver.

METAL: Uranium.

DESCRIPTION: Local concentrations of uraninite occur in pegmatite within the Valhalla complex. The pegmatite occurs in irregular sheets about a metre thick, in micaceous schists and in gneisses. On the northeast side of China Creek, dragfolded beds of pegmatite occur on a steep bluff, and were interpreted as being a structural marker displaying lateral movement. Uranium mineralization may be controlled, in part, by this structural feature.

WORK DONE: 1975 and 1976 — prospecting covering all claim units.

REFERENCE: Assessment Report 6006.

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

LOCATION: Lat. 49° 25' Long. 117° 16' (82F/6)

NELSON M.D. Seven kilometres south of Nelson, on Gold Creek, 800 metres southwest of Cottonwood Creek, at approximately 1 450 metres elevation.

CLAIMS: KENA 1 to 32.

OWNER: Otakar Janout.

OPERATOR: QUINTANA MINERALS CORPORATION, 1215, Two Bentall Centre, Vancouver V7X 1M9.

METALS: Copper, gold, tungsten.

DESCRIPTION: Foliated meta-andesite and rhyolite are intruded by feldspar porphyry. Mineralization consists of pyrite and chalcopyrite.

WORK DONE: Road construction and trenching, 2.1 kilometres on Kena 16-19.

REFERENCES: Mineral Inventory 82F/SW-237; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 33, E 34.

1976

(82F/6W)

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

LOCATION: Lat. 49° 16' Long. 117° 23' (82F/6W)
NELSON M.D. Ten kilometres northwest of Salmo, on Erie Creek,
between Grassy and Burnt Creeks.

CLAIMS: JUNE 1 (4 units), JUNE 2 (8 units).

OWNER: AMAX POTASH LIMITED, 601, 535 Thurlow Street, Vancouver
V6E 3L6.

METALS: Molybdenum, copper, tungsten.

DESCRIPTION: Molybdenite, chalcopyrite, and scheelite occur in a quartz vein
stockwork in and around a small aplite stock. Host rocks are Jurassic
volcanic and sedimentary rocks and swarms of quartz feldspar porphyry
dykes.

WORK DONE: Linecutting, 14 kilometres and geochemical survey, 209 soil samples
and 9 rock samples (for multi-element analysis), covering all claims.

REFERENCES: Mineral Inventory 82F/SW-226; B.C. Dept. of Mines & Pet. Res., GEM,
1974, p. 71; Assessment Report 1603.

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

LOCATION: Lat. 49° 28' Long. 117° 25' (82F/6W)
NELSON M.D. Two and one-half kilometres east-southeast of Beasley,
south of the Kootenay River, on an easterly flowing tributary of Eagle
Creek.

CLAIM: JOSIE (Lot 3925).

OWNERS: ROBERT MILLS, 519 Third Street, Nelson, and D. H. NORCROSS,
RR 2, Nelson.

METAL: Copper.

DESCRIPTION: Scattered chalcopyrite occurs in an east-west-striking quartz vein (width
10 metres), dipping 45 degrees to the south. The vein cuts diorite.

WORK DONE: Reopening old portal and cuts, 60 square metres on Josie.

REFERENCE: Minister of Mines, B.C., Ann. Rept., 1901, p. 985.

PORCUPINE (Fig. E-1, NTS 82, No. 140)

LOCATION: Lat. 49° 15.5' Long. 117° 11' (82F/6E)
NELSON M.D. Four kilometres southeast of Ymir, south of Porcupine
Creek.

CLAIMS: PORCUPINE (Lot 4634), FRANKLIN (Lot 4635), CHAMPAGNE (Lot
5131).

OWNER: J. Urquhart.

OPERATOR: C. F. GRAHAM AND ASSOCIATES, Box 910, Merritt.

METALS: Gold, silver, lead, zinc, (tin).

DESCRIPTION: Vein/replacement deposits of pyrite, galena, and sphalerite with gold
and silver values, occur within Pend-d'Oreille schists at or close to the
contact with small bodies of Nelson plutonic rocks.

1976

(82F/6E)

WORK DONE: Geological examination of dumps, adits, and cuts; sampling (microscope examination), covering all claims.

REFERENCES: Mineral Inventory 82F/SW-63; *Minister of Mines, B.C., Ann. Rept.*, 1938, p. E 42; Assessment Report 6140.

TWO STAR (Fig. E-1, NTS 82, No. 42)

LOCATION: Lat. $49^{\circ} 17'$ Long. $117^{\circ} 10'$ (82F/6E)

NELSON M.D. Four kilometres east-northeast of Ymir, between Oscar and Ymir Creeks, on the west slope of Mount Dundee.

CLAIMS: EVENING STAR (Lot 3778), MORNING STAR (Lot 3779).

OWNER: Fred Robinson.

OPERATOR: BURLINGTON GOLD MINES LTD., 1012, 470 Granville Street, Vancouver V6C 1V5.

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

DESCRIPTION: Nelson batholith rocks intersected by shaly sedimentary rocks, typically dark in colour and exhibiting quartz veining and limonitic fracturing, were intersected in a drill hole.

WORK DONE: Road construction, 3 kilometres; drilling, two diamond-drill holes totalling 95.1 metres on Evening Star (Lot 3778).

REFERENCES: Mineral Inventory 82F/SW-69; *B.C. Dept. of Mines & Pet. Res., GEM*, 1975, p. E 34 (Yankee Girl, Dundee).

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

LOCATION: Lat. $49^{\circ} 23'$ Long. $117^{\circ} 12'$ (82F/6E)

NELSON M.D. Twelve kilometres south-southeast of Nelson extending southeast from the Salmo River, below the mouth of Clearwater Creek, at approximately 1 150 metres elevation.

CLAIMS: TRAM 1 to 8.

OWNER: BARKER RESOURCES LTD., 9th Floor, 1155 West Georgia Street, Vancouver.

METALS: Gold, silver.

DESCRIPTION: Chlorite, carbonate, galena, sphalerite, pyrite, and arsenopyrite occur in a quartz vein in greenstone of the Elise Formation.

WORK DONE: Mucking out portal and sampling vein (16 samples assayed for gold and silver), on Tram 3, 5, 7.

REFERENCES: Mineral Inventory 82F/SW-186; *B.C. Dept. of Mines & Pet. Res., GEM*, 1975, p. E 34; Assessment Reports 5721, 6139.

ROANOAKE (Fig. E-1, NTS 82, No. 136)

LOCATION: Lat. $49^{\circ} 19'$ Long. $117^{\circ} 09'$ (82F/6E)

NELSON M.D. Seven kilometres northeast of Ymir straddling Ymir Creek.

CLAIMS: ROANOAKE (Lot 3402), LEXINGTON (Lot 3718).

1976

(82F/6E)

OWNER: C. F. Graham.
OPERATOR: I. URQUHART AND ASSOCIATES, Box 933, Merritt.
METALS: Lead, copper, gold.
DESCRIPTION: Rocks examined (from old adit dumps) included silicified, rusty altered schists of the Pend-d'Oreille Group and Nelson intrusive rocks.
WORK DONE: Geological examination of dumps and adits; sampling (microscopic examination), covering both claims.
REFERENCES: Mineral Inventory 82F/SW-61; Assessment Report 6141.

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

LOCATION: Lat. 49° 16' Long. 117° 09' (82F/6E)
NELSON M.D. Five kilometres east-southeast of Ymir, between Porcupine and Oscar Creeks, on the south slope of Jubilee Mountain.
CLAIM: OXIDE (15 units).
OWNER: JACK BUTULA, 1423 Columbia Avenue, Trail.
METALS: Lead, zinc.
DESCRIPTION: A geochemical survey was conducted to investigate the possibility of a downward extension of a mineralized oxide zone consisting of soft, earthy limonite carrying secondary lead and zinc mineralization in the form of hemimorphite, parahopeite, and pyromorphite.
WORK DONE: Geochemical soil survey, 195 samples assayed for lead and zinc covering Oxide (units 15, 18).
REFERENCES: Mineral Inventory 82F/SW-22; *Minister of Mines, B.C.*, Ann. Rept., 1962, p. 74; 1965, p. 180; 1966, p. 212; Assessment Report 5797.

THE DEAN, ALL OVER (Fig. E-1, NTS 82, No. 126)

LOCATION: Lat. 49° 41' Long. 116° 01' (82F/9E)
FORT STEELE M.D. Three kilometres west of Kimberley, 1 kilometre south of Mark Creek, immediately north of the North Star Hill ski lift.
CLAIMS: THE DEAN (Lot 1382), ALL OVER (Lot 1384), GREENHORN FR. (Lot 3904), GOLD BUG NO. 2 FR. (Lot 6191).
OWNER: ASARCO INCORPORATED, 504, 535, Thurlow Street, Vancouver V6E 3L2.
METALS: Lead, zinc, silver.
DESCRIPTION: Galena, sphalerite, pyrite, and pyrrhotite mineralization occurs as massive sulphides along north-trending faults and as disseminated grains in rocks of the Aldridge Formation. Dominant rock types in the area are quartzites, siltstones, argillites, and intraformational conglomerates which form part of the east-dipping limb of the Purcell anticlinorium.
WORK DONE: Surface geological mapping, 1:1200 and geochemical survey, 50 rock samples, covering all claims.
REFERENCES: Mineral Inventory 82F/NE-135; *Minister of Mines, B.C.*, Ann. Rept., 1896, p. 520; 1897, p. 569; 1898, p. 1021; 1900, p. 800; 1901, p. 1006.

1976 (82F/9E)

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

LOCATION: Lat. 49° 41.5' Long. 116° 02' (82F/9E)
 FORT STEELE M.D. Four kilometres west-northwest of Kimberley, on the north slope of North Star Hill, at approximately 1 500 metres elevation.

CLAIM: PUTT (Lot 13930).

OWNER: COMINCO LTD., Box 2000, Kimberley.

WORK DONE: Surface diamond drilling, one NQ hole totalling 295.8 metres on Putt (Lot 13930).

REFERENCES: Assessment Reports 5654, 5826.

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

LOCATION: Lat. 49° 43' Long. 116° 37' (82F/10W)
 SLOCAN M.D. Seventeen kilometres east-northeast of Crawford Bay post office near Cogle Pass, 2 kilometres north of the headwaters of Canyon Creek.

CLAIM: JENNI.

OWNER: A. MORES, 609 Wasson Street, Nelson.

METALS: Copper, zinc, gold, silver.

DESCRIPTION: Lenses and veins of quartz, containing chalcopyrite, sphalerite, galena, and pyrrhotite occur along shear zones in mica schist.

WORK DONE: Road construction (removal of trees, dirt, rock with hand tools); trenching and stripping, 12 square metres on Jenni.

REFERENCES: Mineral Inventory 82F/NE-99; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 71 (United Copper).

FOURTH (Fig. E-1, NTS 82, No. 48)

LOCATION: Lat. 49° 43' Long. 116° 58' (82F/10W)
 SLOCAN M.D. Four kilometres southwest of Ainsworth Hotsprings, between Krao and Coffee Creeks.

CLAIMS: FOURTH (Lot 301), STORM CLOUD (Lot 300).

OWNERS: B. C. Jacobs and K. J. Surina.

OPERATOR: HAMILL CREEK HOLDINGS LTD., Meadow Creek.

METALS: Silver, lead.

DESCRIPTION: A vein, 0.9 metre to 1.3 metres wide, strikes southeast. A 60-metre tunnel was driven on the vein in 1900. Assays indicated 20 to 76 ounces silver and 10 to 38 per cent lead. In 1968, approximately 6 tons of mud and high-grade ore was sacked, but not shipped.

WORK DONE: Trenching, 0.375 square metre on Fourth; stripping, 0.125 square metre on both claims.

REFERENCES: Mineral Inventory 82F/NE-134; *Minister of Mines, B.C.*, Ann. Rept., 1895, p. 682; 1896, pp. 558, 560.

1976

(82F/10E)

CHICAGO, SNOW KING (Fig. E-1, NTS 82, No. 47)

LOCATION: Lat. 49° 34' Long. 116° 39' (82F/10E)
NELSON M.D. Seventeen kilometres southeast of Crawford Bay on the north side of La France Creek, south of the headwaters of Baker Creek.

CLAIMS: WALL 1 to 9, BALD MOUNTAIN (Lot 7233), MONTANA (Lot 7230), MONTANA FR. (Lot 7231), ECHO (Lot 7232), CELEBRATION (Lot 7229), ASSURANCE (Lot 7237), EXPERIMENT (Lot 7238).

OWNER: Eric Denny.

OPERATOR: S.E.R.E.M. LTD., 505, 850 West Hastings Street, Vancouver V6C 1E1.

METALS: Zinc, lead, silver.

DESCRIPTION: Laminated and massive dolomites, of the Mount Nelson Formation, generally north striking and steeply dipping, host sphalerite, galena, and minor tetrahedrite as disseminations and within discontinuous quartz carbonate fracture fillings and pods.

WORK DONE: Surface geological mapping, 1:2000, covering all claims; linecutting, 10.7 kilometres; magnetometer survey, 5.7 line-kilometres; electromagnetic survey, 1.5 kilometres; and geochemical survey, 242 soil samples analysed for lead, zinc, copper, and silver, covering Wall 1-4 and Lots 7229 to 7233; underground work, opening portals and timbering, 630 metres plus 97 chip samples, on Montana and Celebration.

REFERENCES: Mineral Inventory 82F/NE-109; *Minister of Mines, B.C.*, Ann. Rept., 1926, p. 283; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 70; Assessment Report 6109.

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

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, LIMESTONE 3 to 8, 10 to 12, 14 to 16.

OWNER: F. W. CARTWRIGHT, 704 Railway Street, Nelson.

METALS: Copper, zinc, lead, silver.

DESCRIPTION: Chalcopyrite-bearing quartz veins and lenses occur in shear zones in mica schist.

WORK DONE: Trenching, 20 square metres and test pitting, 5 square metres on United Copper; road repairs.

REFERENCES: Mineral Inventory 82F/NE-99; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 71.

1976

(82F/11W)

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

LOCATION: Lat. 49° 44' Long. 117° 19' (82F/11W)
SLOCAN M.D. Thirteen kilometres east of Slocan, 4.5 kilometres west-northwest of the southwest corner of Kokanee Glacier Park, 1 kilometre west of the junction of Mineral and Crusader Creeks.

CLAIMS: GOLD REEF, GOLD REEF 2.

OWNER: H. AVIS, Winlaw.

METALS: Zinc, lead, silver.

WORK DONE: Trenching, 5 metres, covering both claims.

REFERENCE: Mineral Inventory 82F/NW-217.

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

LOCATION: Lat. 49° 53' Long. 117° 15' (82F/14E)
SLOCAN M.D. Eleven and one-half kilometres southeast of Silverton, between Fennell Creek and Silverton Creek.

CLAIMS: Mineral Lease M-278 comprising SILVER CUP (Lot 1815) and ISOBEL FR. (Lot 1817), Mineral Lease M-319 comprising KENTUCKY GIRL (Lot 1818), RUBY TRUST (Lot 1804), COMSTOCK (Lot 1814), SILVER CHIEF (Lot 1813), plus TD 1, 2, 4, and 5.

OWNERS: H. S. Murphy and R. H. Murphy.

OPERATOR: STANHOLM RESOURCES LTD., 695 Willow Park Road, Kelowna.

METALS: Silver, lead.

WORK DONE: Geochemical survey, 12 soil samples; drilling, one hole totalling 25 metres; and trenching, 9 square metres, on Lot 1815 and/or Lot 1817.

REFERENCES: Mineral Inventory 82F/NW-77; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 80.

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

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), CHICAGO FR. (Lot 3310), COLONIAL (Lot 5313), PULLMAN FR. (Lot 3309).

OWNER: N. Sibilleau.

OPERATORS: NORMAN SIBILLEAU and VICTORINE SIBILLEAU, 10950, 142B Street, Surrey V3R 3L8.

METALS: Silver, lead, zinc.

WORK DONE: Road construction, 1.6 kilometres; trenching and sampling, 6 metres, covering all claims.

REFERENCES: Mineral Inventory 82F/NW-194; *Minister of Mines, B.C.*, Ann. Rept., 1925, p. A245 (Chicago); 1928, p. 294 (Colonial).

1976

(82F/14W)

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

LOCATION: Lat. 49° 58' Long. 117° 17' (82F/14W)
SLOCAN M.D. Five kilometres due east of Silverton, on the tramway.

CLAIMS: MAMMOTH (Lot 13572), HERCULES (Lot 13575), EVELYN (Lot 6526), GEM FR. (Lot 13578), MOOSE (Lot 13573), HIGH ORE (Lot 13574), BUFFALO (Lot 674), BUSTER FR., LOST CAUSE.

OWNER: DOUGLAS W. PENGELLY, Box 65, Silverton.

METALS: Lead, zinc, cadmium, silver.

DESCRIPTION: Shear zone containing quartz, galena, and sphalerite.

WORK DONE: Road construction (widening Buffalo trail), approximately 5 metres by 1 000 metres on Buffalo (Lot 674); underground work, laying rail, clean-up, renovating buildings, installing new air lines, on Moose and Gem Fr.

REFERENCES: Mineral Inventory 82F/NW-60; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 251.

FERNIE 82G

COMMERCE (Fig. E-1, NTS 82, No. 36)

LOCATION: Lat. 49° 11' Long. 114° 23' (82G/1W)
FORT STEELE M.D. Approximately 6 kilometres east of the Flathead River, covering the headwaters of Commerce Creek, at approximately 2 100 metres elevation.

CLAIMS: COMMERCE 1 to 16, 19 to 39, 41 to 48, 69 to 91.

OWNER: Kintla Explorations Limited.

OPERATOR: FRANK GOBLE, Box 763, Cardston, Alberta.

METALS: Gold, silver, copper, uranium.

DESCRIPTION: In the claim area, sedimentary copper-silver mineralization occurs in the redbeds of the Grinnell and Phillips Formations. These have been intruded by a syenite plug, in places brecciated, and numerous dykes and sills carrying low-grade gold. The area has been highly altered, with much pyrite, pyrrhotite, and arsenopyrite present. Uranium mineralization is related to the presence of copper in the lower Grinnell Formation quartzites.

WORK DONE: Scintillometer survey, 45 kilometres and geochemical survey 39 rock samples, covering a number of Commerce claims.

REFERENCES: Mineral Inventory 82G/SE-6, 39-43; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 41; Assessment Reports 4535, 5070, 5560, 5938.

1976

(82G/1W, 2E)

WINDFALL MINING & EXPLORING (Fig. E-1, NTS 82, No. 44)

LOCATION: Lat. 49° 01' Long. 114° 29' (82G/1W, 2E)
FORT STEELE M.D. Two kilometres northwest of Flathead (Customs), straddling the Flathead River.

CLAIMS: WINDFALL MINING & EXPLORING (8 units), WINDFALL MINING & EXPLORING 2 (4 units).

OWNER: W. C. STEFAN, 2001, 10th Avenue S., Lethbridge, Alberta T1K 0B9.

WORK DONE: Prospecting and geochemical survey, 77 water samples analysed for chromium and copper, covering Windfall Mining & Exploring (6 units) and Windfall Mining & Exploring 2 (3 units).

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

LOCATION: Lat. 49° 02' Long. 114° 29' (82G/1W, 2E)
FORT STEELE M.D. Three kilometres northwest of Flathead (Customs), straddling the Flathead River.

CLAIM: KENTUCKY (8 units).

OWNER: WAGNER SAENDE (KENTUCKY ENTERPRISES), Box 699, Coalhurst, Alberta T0L 0V0.

WORK DONE: Prospecting and geochemical survey, 77 water samples analysed for chromium and copper, covering Kentucky (units 3, 6, 7).

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

LOCATION: Lat. 49° 22' Long. 115° 54' (82G/5W)
FORT STEELE M.D. Nineteen kilometres southwest of Cranbrook, 1.5 kilometres west of Monroe Lake.

CLAIMS: HELG 1 to 3, 6, 24 to 29, 31, 32, 63, 69, 300 to 303, FORS 1 (16 units), HOPE 3 to 7, 9, 11 to 13, 15, 16.

OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver.

METALS: Lead, zinc, silver.

DESCRIPTION: Galena, sphalerite, and pyrrhotite mineralization is disseminated within medium to coarse-grained quartzites of the Middle Aldridge Formation.

WORK DONE: Trenching, 1 500 square metres on Fors 1 (units 3, 6) and Helg 27.

REFERENCES: Mineral Inventory 82G/SW-35; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 240; 1967, p. 271; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1970, p. 475 (Hope).

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

LOCATION: Lat. 49° 27' Long. 115° 19.5' (82G/6W)
FORT STEELE M.D. Eleven kilometres northwest of Galloway, 1 kilometre northeast of the east end of Sand Lake.

CLAIMS: BEANY 1 to 40.

OWNER: R. H. STANFIELD, 260, 355 Fourth Avenue SW., Calgary, Alberta.

1976

(82G/6E)

WORK DONE: Surface diamond drilling, two holes totalling 225 metres (one completely in overburden — 120 metres) on Beany 5 and 11.

REFERENCE: Assessment Report 5943.

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

LOCATION: Lat. 49° 22' Long. 115° 03.5' (82G/6E)

FORT STEELE M.D. Eleven kilometres east-northeast of Galloway, extending from the junction of Sand and McDermid Creeks to the headwaters of McDermid Creek.

CLAIMS: RH, totalling approximately 100.

OWNER: R. H. STANFIELD, 260, 355 Fourth Avenue SW., Calgary, Alberta.

WORK DONE: Surface diamond drilling, one NQ hole totalling 60 metres on RH 72.

REFERENCE: Assessment Report 5903.

DON (Fig. E-1, NTS 82, No. 54)

LOCATION: Lat. 49° 22' Long. 115° 11' (82G/6E)

FORT STEELE M.D. Three and a half kilometres southeast of Galloway, near the power transmission line.

CLAIMS: DON, TREASURE, P, totalling approximately 46.

OWNER: R. H. STANFIELD, 260, 355 Fourth Avenue SW., Calgary, Alberta.

METAL: Copper.

DESCRIPTION: *Minor chalcopyrite occurs as fractures and disseminations in quartzite.*

WORK DONE: Surface diamond drilling, one NQ hole totalling 150 metres on Don 3.

REFERENCES: Mineral Inventory 82G/SW-48; Assessment Report 5906.

ROSS (Fig. E-1, NTS 82, No. 52)

LOCATION: Lat. 49° 24' Long. 115° 13.5' (82G/6E)

FORT STEELE M.D. Two and a half kilometres north of Galloway, near the power transmission line.

CLAIMS: ROSS, ROSSCO, ALEX, OK, LILLEA, totalling approximately 156.

OWNER: R. H. STANFIELD, 260, 355 Fourth Avenue SW., Calgary, Alberta.

METAL: Copper.

DESCRIPTION: Minor chalcopyrite occurs in quartz-siderite stringers in argillite on Ross 36.

WORK DONE: Drilling, eight NQ and BQ holes totalling 2 897 metres and three churn drill holes totalling 124 metres, covering Ross 36, 63, OK 14, 19, Lillea 3, and Rossco 9.

REFERENCES: Mineral Inventory 82G/SW-47; Assessment Reports 5900, 5901, 5902, 5904, 5905, 6013.

1976

(82G/6E)

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

LOCATION: Lat. 49° 25.5' Long. 115° 15' (82G/6E)
FORT STEELE M.D. Six kilometres northwest of Galloway, between the north end of Tie Lake and the road from Galloway along Supply Creek.

CLAIMS: PIT, totalling approximately 64.

OWNER: R. H. STANFIELD, 260, 355 Fourth Avenue SW., Calgary, Alberta.

METAL: Copper.

DESCRIPTION: Vertical quartz-siderite veinlets containing pyrite, pyrrhotite, and chalcopyrite occur in laminated light grey to dark grey argillaceous quartzite in a diamond-drill hole.

WORK DONE: Surface diamond drilling, two NQ holes totalling 143.7 metres on Pit 9.

REFERENCES: Mineral Inventory 82G/SW-46; Assessment Report 5942.

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

LOCATION: Lat. 49° 44' Long. 115° 09' (82G/12E)
FORT STEELE M.D. Thirteen kilometres north of Fort Steele, 5 kilometres east of the Kootenay River, straddling Saugum Creek.

CLAIM: VAN 1 (1 unit).

OWNER: E. J. FROST, Fort Steele.

WORK DONE: Some stripping, sampling, and a scintillometer survey with limited uranium assaying covering Van 1 (1 unit).

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

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, 156 to 175, 184 to 190, 198 to 203.

OWNER: Imperial Oil Limited.

OPERATOR: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver V6C 2G8.

METALS: Copper, lead.

DESCRIPTION: Moyie sills with minor amounts of chalcopyrite intrude turbidites of the Middle Aldridge Formation. The sedimentary rocks are predominantly quartzite and finely banded argillite. Traces of galena and spalerite are found disseminated in the sedimentary rocks often associated with chlorite alteration.

WORK DONE: Surface diamond drilling, deepening of BQ hole (156 metres) on Kim 53.

REFERENCES: Mineral Inventory 82G/N-75; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1969, p. 346; 1975, pp. E 42, E 43; Assessment Reports 5638, 5967.

1976

(82G/12W)

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

LOCATION: Lat. 49° 43' Long. 115° 54' (82G/12W)
FORT STEELE M.D. Seven kilometres northeast of Kimberley,
between Houle and Lost Dog Creeks.

CLAIMS: LUKE, UKE, MED, etc., totalling approximately 125.

OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver.

DESCRIPTION: Argillites and quartzites, containing carbonate as narrow white beds
with noticeable concentrations of pyrrhotite, as laminae with selected
dark argillaceous sections, and as concretions, are intersected by drill
holes.

WORK DONE: Surface diamond drilling, four holes totalling 1 468.2 metres on Luke
31, 99 and Med 15.

REFERENCES: Assessment Reports 5827, 5829, 6190.

CANAL FLATS 82J

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

LOCATION: Lat. 50° 07' Long. 115° 06' (82J/3E)
FORT STEELE M.D. Thirteen kilometres west-northwest of Round
Prairie, 4 kilometres south of the south end of Munroe Lake, straddling
the Bull River.

CLAIMS: SOAB 42, 44, MUNROE 1 (8 units).

OWNER: Silver Standard Mines Limited.

OPERATOR: COASTAL MINING COMPANY, 1200 West Pender Street, Vancouver.

METAL: Zinc.

DESCRIPTION: Sphalerite occurs in carbonate rocks.

WORK DONE: Surface diamond drilling, five BQ holes totalling 170.4 metres on Soab
42, 44 and Munroe 1.

REFERENCE: Mineral Inventory 82J/SW-13.

LARDEAU 82K

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

LOCATION: Lat. 50° 10' Long. 117° 11' (82K/3E)
SLOCAN M.D. Twenty-two kilometres northeast of New Denver, 0.5
kilometre north of Cooper Creek, on the south slope of Mount Cooper.

CLAIMS: PERTH (Lot 8794), PYRITE (Lot 8793), PIPE 1 to 4 (16 units each).

OWNER: Otaker Janout and Otto Janout.

OPERATOR: CANADIAN SUPERIOR EXPLORATION LIMITED, 2201, 1177 West
Hastings Street, Vancouver.

METALS: Copper, zinc, lead, silver.

1976

(82K/6E)

DESCRIPTION: Chalcopyrite, sphalerite, pyrrhotite, and galena mineralization occurs as lenses in a sedimentary and felsic-volcanic formation which occurs between two distinct andesite flow units. The area is underlain by Kaslo Group volcanic and sedimentary rocks.

WORK DONE: Surface geological mapping, 1:1200, covering Perth and Pyrite.

REFERENCES: Mineral Inventory 82K/SW-79; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 45; Assessment Report 6051.

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

LOCATION: Lat. 50° 24' Long. 117° 01' (82K/6E)

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, straddling Gallop Creek.

CLAIMS: PRESIDENT (Lot 2006), PRESIDENT FR. (Lot 2007), HOWSER (Lot 2008), HOWSER FR. (Lot 2009), TWO BROTHERS (Lot 2005), RUBY 1 to 4.

OWNER: Consolidated Boundary Exploration Ltd.

OPERATOR: PRECAMBRIAN SHIELD RESOURCES LIMITED, 11th Floor, Petroleum Plaza, North Tower, 9945 – 108th Street, Edmonton, Alberta T5K 2G6.

METALS: Silver, lead, zinc.

DESCRIPTION: Quartzites and chlorite schists of the Lardeau Group are found in the area. Greenschist facies alteration is evident in the workings on the President Fr. Mineralization is reported to consist of tetrahedrite, galena, argentite, and chalcopyrite in association with bluish white quartz and is observed only in float.

WORK DONE: Surface diamond drilling, one BQ hole totalling 44.7 metres on President Fr.

REFERENCES: Mineral Inventory 82K/SE-12; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, p. 424.

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

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.

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, Alberta T2N 1V5.

METALS: Silver, lead, (zinc).

DESCRIPTION: 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 the intrusion of granodiorite.

1976

(82K/8W)

WORK DONE: Access road construction (preparation of drill site) on US 1, 4 and Rad 41.

REFERENCES: Mineral Inventory 82K/SE-27; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 46.

TATLER, BROKEN HILL (Fig. E-1, NTS 82, No. 63)

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 Woodland Crescent SE., Calgary, Alberta.

METALS: Lead, barite.

DESCRIPTION: Barium and associated lead mineralization occur as veins and stringers in limestone.

WORK DONE: Grid preparation, 0.7 kilometre and geochemical survey, 40 soil samples, covering Iron Mask, Broken Hill, North Light, and Imperial.

REFERENCES: Mineral Inventory 82K/SE-5; *Minister of Mines, B.C.*, Ann. Rept., 1920, p. 114; 1968, p. 266 (Great Northern, Copper King); *B.C. Dept. of Mines & Pet. Res.*, GEM, 1969, p. 343 (Copper King, Imperial); Assessment Reports 1614, 1977, 2515, 6099.

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

LOCATION: Lat. 50° 42' Long. 116° 12' (82K/9E)

GOLDEN M.D. Four kilometres west of Edgewater, on the east flank of 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., 2200, 200 Granville Square, Vancouver.

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

DESCRIPTION: Lead-zinc-silver mineralization with barium and minor copper occurs as galena, smithsonite, barite, and copper carbonate in the Cambrian Upper Jubilee dolomites and along the west limb of a steeply dipping syncline that plunges gently to the north. The host for the mineralization is silicified dolomite containing cherty boxwork textures and barite veining. Fracture mineralization is dominant.

1976

(82K/9W)

WORK DONE: Surface geological mapping, 1:10 000; induced polarization survey, 5 line-kilometres; geochemical survey, 600 soil samples; and surface diamond drilling, five BQ holes totalling 840 metres, covering most of the claims.

REFERENCES: Mineral Inventory 82K/NE-65; Assessment Report 5880.

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

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, GROTTO 30 Fraction.

OWNER: GROTTO SILVER MINES LTD., 197 Howard Street, Kimberley.

METALS: Silver, lead, zinc.

WORK DONE: Trenching (drilling and blasting), 60 metres on Grotto 10 and 11.

REFERENCES: Mineral Inventory 82K/NE-17; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 46, E 47.

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

LOCATION: Lat. 50° 38' Long. 116° 28' (82K/9W)

GOLDEN M.D. Twenty-four kilometres east-southeast of Edgewood, 2 kilometres south of the confluence of Welsh and Forster Creeks, at the head of Forster Creek.

CLAIMS: SLIDE 41 to 44, SLIDE 100 (6 units).

OWNER: CANADIAN JOHNS-MANVILLE COMPANY LIMITED, Box 1500, Asbestos, P.Q.

METALS: Some uranium, rare earths, vanadium, niobium.

DESCRIPTION: The claims are totally underlain by a portion of the Horsethief stock. Porphyritic coarse-grained biotite quartz monzonite with numerous aplite dykes and quartz veins and a rock resembling fine-grained granite are present on the east rim of the cirque. Anomalous rare earth values (thorium, cerium, lanthanum, vanadium, and niobium) are associated with anomalous uranium and molybdenum values.

WORK DONE: Scintillometer survey, 3 kilometres and geochemical survey, 115 soil and talus samples and 14 rock chip samples, covering Slide 41-44 and Slide 100 (6 units).

REFERENCES: Mineral Inventory 82K/NE-66; Assessment Reports 2603, 3222, 3223, 3390, 3391, 3753, 4559, 4614, 6044.

1976

(82K/11E)

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

LOCATION: Lat. $50^{\circ} 40'$ Long. $117^{\circ} 13'$ (82K/11E)
REVELSTOKE M.D. Twenty kilometres east of Ferguson at the headwaters of Healy and Hall Creeks on the south slope of Mount Templeman.

CLAIM: DUNCAN (Lot 3472).

OWNER: Wagner Mines Ltd.

OPERATORS: JOA DEVELOPMENTS LTD. and MISION MINERALS LTD., Box 264, Sorrento.

METALS: Lead, zinc, copper, silver.

DESCRIPTION: Lead, zinc, copper, and silver mineralization occurs in a quartz vein in slates.

WORK DONE: Three bridges constructed and 6.5 kilometres of road.

REFERENCES: Mineral Inventory 82K/NW-50; *Minister of Mines, B.C.*, Ann. Rept., 1949, p. 192 (Wagner); 1951, p. 179 (Wagner); 1952, p. 191; 1955, p. 67 (Bannockburn, Wagner); 1958, p. 50 (Wagner); 1959, p. 70 (Wagner).

SILVER CUP, TOWSER (Fig. E-1, NTS 82, No. 60)

LOCATION: Lat. $50^{\circ} 38'$ Long. $117^{\circ} 22'$ (82K/11W)
REVELSTOKE M.D. Twelve kilometres east of the community of Trout Lake, between Silvercup Ridge and Lardeau Creek, straddling Cup Creek.

CLAIMS: SILVER CUP (Lot 768), TOWSER (Lot 2565), GOLD SEEKER FRANCHISE (Lot 1104), SUNSHINE (Lot 1564), EXELSIOR (Lot 2621), SILVER CUP FRANCHISE (Lot 2622), EXELSIOR FRANCHISE (Lot 2625), MOUNTAIN (Lot 2626), MOUNTAIN FRANCHISE (Lot 3052), GOLD BUG (Lot 3053), BLACK EAGLE (Lot 4735), SUNSET (Lot 4736), YUILL, DIAMOND JUBILEE FRANCHISE, DAISY FRANCHISE, CINDY FRANCHISE 1, CINDY FRANCHISE 2, DUKE 1 to 6, CINDY 1, 2, 5 to 8, SANDY 1 to 9.

OWNER: C. T. EXPLORANDA LTD., 440, 890 West Pender Street, Vancouver V6C 1J9.

METALS: Silver, lead, zinc, (cadmium, gold).

DESCRIPTION: Mineralization, consisting of sphalerite, galena, freibergite, pyrite, and minor amounts of cadmium and gold, is found in quartz veins in fault or shear zones consisting mainly of graphitic schist. The surrounding rocks are Lardeau Group phyllites and grey argillites.

WORK DONE: Linecutting, 10 kilometres; surface geological mapping, 1:400, covering Silver Cup, Towser, and Yuill; geochemical survey (minor), covering Silver Cup and Towser; road maintenance on Towser; underground geological mapping on Yuill; drifting (underground), 360 metres on Yuill.

REFERENCES: Mineral Inventory 82K/NW-27, 28; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 95.

LUCKY BOY, COPPER CHIEF (Fig. E-1, NTS 82, No. 68)

LOCATION: Lat. 50° 38' Long. 117° 36' (82K/12E)
 REVELSTOKE M.D. Four kilometres west of Trout Lake village, on and extending east from Wilkie Creek, at approximately 1 350 metres elevation.

CLAIMS: CH (Lot 4741), XYZ (Lot 4742), CD (Lot 4743), BLUE JAY (Lot 4744), DOUBTFUL (Lot 4745), LB (Lot 5423); Mineral Lease M-24 comprising HORSESHOE (Lot 5342); ANEX, LB 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 (units 1, 2, 15, 16), TL 2 (units 1, 2, 15 to 18), TL 3 (unit 1).

OWNERS: Alan E. Marlow and Beulah M. Oakey.

OPERATOR: NEWMONT MINING CORPORATION 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 is accompanied by silicification and sericitization in both the granodiorite plug and the country schists. Quartz veins of the old Lucky Boy and Copper Chief mines carry galena, sphalerite, tetrahedrite, chalcopyrite, and pyrite.

WORK DONE: Surface diamond drilling, nine BQ holes totalling 3 102.3 metres on CH (Lot 4741), Lucky Jay 1, Copper Chief Moly, and Annex; geochemical survey, 97 soil samples analysed for molybdenum and zinc, covering TL 2 (units 15-18) and TL 3 (unit 1).

REFERENCES: Mineral Inventory 82K/NW-3, 4, 87; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 47, E 48; Assessment Reports 5968, 6094.

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

LOCATION: Lat. 50° 42' Long. 117° 38' (82K/12E)
 REVELSTOKE M.D. Five kilometres southeast of Beaton adjoining the northeast corner of Staubert Lake, immediately east of the road from Trout Lake to Beaton.

CLAIM: STAUBERT.

OWNER: ROD PICKARD, Box 516, Nakusp.

WORK DONE: Linecutting and stripping, 0.45 kilometre and road repair, 0.75 kilometre on Staubert.

TREADWELL (Fig. E-1, NTS 82, No. 130)

LOCATION: Lat. 50° 47.5' Long. 117° 38.5' (82K/13E)
 REVELSTOKE M.D. Eight kilometres northeast of Beaton at the old Camborne millsite and mine office on Pool Creek.

1976

(82K/14W)

CLAIMS: TREADWELL (Lot 5402), CAM (1 unit).
OWNER: C. Nelson.
OPERATOR: D. HOPPER, 828 West Hastings Street, Vancouver.
METALS: Gold, silver.
DESCRIPTION: The area being worked on comprises the tailings dump of the old Sunshine Lardeau Mines Ltd., which milled material from various *properties in the area*.
WORK DONE: Metallurgical testing of tailings on Treadwell (Lot 5402), Cam (1 unit).
REFERENCES: Assessment Reports 5690, 6021.

BOYD (Fig. E-1, NTS 82, No. 125)

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, 1521 Pemberton Avenue, North Vancouver.
WORK DONE: Geochemical survey, 150 soil samples covering Boyd 1 (20 units).

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

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, 14 to 16, ML 1, ML 2, RJR 1 to 14, 21, 22.
OWNERS: R. Renn (Mr. and Mrs.)
OPERATOR: MEDESTO EXPLORATION LTD., 215A - 10th Street NW., Calgary, Alberta T2N 1V5.
METALS: Lead, zinc, silver.
DESCRIPTION: The area is underlain by Horsethief Creek Series rocks 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 on them both in surface exposure and diamond-drill cores.
WORK DONE: Drill site prepared; road construction (to proposed drill sites), 0.55 kilometre; some sampling and assaying, covering RR 1, 2, 4, 21, 22.
REFERENCES: Mineral Inventory 82K/NE-10; B.C. Dept. of Mines & Pet. Res., GEM, 1975, p. E 49.

1976

(82K/15E)

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

LOCATION: Lat. $50^{\circ} 59'$ Long. $116^{\circ} 34'$ (82K/15E)
GOLDEN M.D. Eight kilometres west of Harrogate, 2.5 kilometres north of the north end of Mitten Lake, on Lead Mountain.

CLAIM: MITTEN (9 units).

OWNER: COMINCO LTD., 2450 Cranbrook Street, Cranbrook.

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

DESCRIPTION: The Mitten claim covers the area formerly known as the Lead Mountain prospect. Recent mapping suggests that the mineralization is in the dolomitized equivalent of the Upper Cambrian McKay limestones. Galena, sphalerite, and minor pyrite are deposited as open space filling in dolomite and as disseminations in black calcareous argillite. Galena and sphalerite also rims white dolospar-filled cavities.

WORK DONE: Surface geological mapping, 1:12 000, covering Mitten (units 1-9); underground mapping, 1:1000, covering Mitten (unit 6); geochemical soil survey, 200 samples analysed for lead and zinc, covering Mitten (units 7 and 8); road construction, 0.8 kilometre.

REFERENCES: Mineral Inventory 82K/NE-19; *Minister of Mines, B.C.*, Ann. Rept., 1904, p. 112 (I.X.L.); 1917, p. 144 (I.X.L. and Condor); 1918, p. 153 (Rose and Condor); 1920, p. 108 (Rose and Condor); 1925, p. 221 (I.X.L., Condor); 1955, p. 73 (Lead Mountain); 1956, p. 112 (Lead Mountain); 1966, p. 237 (Lead Mountain).

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

LOCATION: Lat. $50^{\circ} 47'$ Long. $116^{\circ} 21'$ (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: MARSHALL K. SORENSEN, Box 6263, Station D, Calgary, Alberta T2P 2C8.

WORK DONE: 1975 — VLF EM survey, approximately 17 line-kilometres, covering VG 1-6.

REFERENCE: Assessment Report 5780.

VERNON 82L

VAL (Fig. E-1, NTS 82, No. 142)

LOCATION: Lat. $50^{\circ} 11'$ Long. $118^{\circ} 54'$ (82L/2W)
VERNON M.D. Thirteen kilometres southeast of Lumby, 2 kilometres up Vidler Creek from its junction with Harris Creek.

CLAIMS: ARKOSE (1 to 3, 14 to 16 units), ARKOSE 2 (1 to 4, 13 to 20, 24 to 31 units), ARKOSE 3 (1 unit), ARKOSE 4 (1, 2, 15 to 18, 26, 27), DART (1, 16, 17, 27, 28 units).

1976

(82L/4E)

OWNERS: K. L. Daughtry, W. R. Gilmour, and V. F. Erickson.
OPERATOR: CHATHAM RESOURCES LTD., 468, 200 Granville Street, Vancouver.
METAL: Uranium.
DESCRIPTION: Arkose, tuff, conglomerate and flow rocks of Eocene (?) age are deposited in a channel or elongated basin in the pre-Tertiary granitic and metamorphic basement. Uranium mineralization occurs in tuffaceous arkose associated with carbonaceous material.
WORK DONE: Linecutting, geochemical and geophysical surveys, trenching and stripping, road building, and drilling (three holes).
REFERENCES: Mineral Inventory 82L/SE-5; *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 222.

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

LOCATION: Lat. 50° 13' Long. 119° 37' (82L/4E)
VERNON M.D. Twenty-five kilometres west-southwest of Vernon, on the south side of Whiteman Creek valley, between 1 400 and 1 600 metres elevation.
CLAIMS: WHIT 1 to 18, WHIT 19 (units 1 to 4).
OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 801, 161 Eglinton Avenue East, Toronto, Ontario.
DESCRIPTION: The area is underlain by Jurassic and Cretaceous felsic intrusions, as well as some Kamloops Group volcanic rocks. Geological mapping (1975) showed the claims to be underlain by a zoned syenite intrusion, of which the border phase, a latite porphyry, is predominant. Geochemical soil and stream sediment sampling indicated anomalous uranium values in three streams which drain into Whiteman Creek.
WORK DONE: Surface geological mapping, 1:4800; geochemical survey, 24 soil and 31 stream samples analysed for uranium, covering Whit 19 (units 1-4).
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 223 (Pat); *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 51, E 52; Assessment Reports 1039 (Pat), 5692, 6052.

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

LOCATION: Lat. 50° 00' Long. 119° 46' (82L/4W)
NICOLA and 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: ALFY 1 to 18, POP 1 to 10, BEAR 1 to 18, 20, 21, 24 to 36, 46 to 53, BEAR 22, 23, BEAR 19 Fraction, CHARLIE 1 to 16.
OWNERS: Alfred Brewer and Stanley Brewer.
OPERATOR: ROCKEL MINES LTD., 408, 850 West Hastings Street, Vancouver V6C 1E1.
METALS: Copper, iron.

1976

(82L/5E)

DESCRIPTION: The claim area is underlain by Jurassic-Cretaceous Coast Range intrusive rocks forming an elongated stock about 6.4 by 1.6 kilometres. Plutonic rocks intrude limestone to the east and argillites to the west. Chalcopyrite and magnetite mineralization is disseminated locally in gabbros and pyroxenites.

WORK DONE: Surface diamond drilling, 495 metres; road construction and trenching, 530 cubic metres, on ALFY 1, 2, 5, 6.

REFERENCES: Mineral Inventory 82L/SW-5, 9; 82E/NW-7; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 52.

RUBY (Fig. E-1, NTS 82, No. 72)

LOCATION: Lat. 50° 27' Long. 119° 41' (82L/5E)
KAMLOOPS M.D. Eight kilometres east of Westwold, immediately south of Highway 97.

CLAIMS: RUBY, PEARL, OPAL, TOPAZ.

OWNER: MRS. E. MARZOFF, 10011 Kal Road, Vernon.

METALS: Copper, gold.

DESCRIPTION: Northwest-striking, easterly dipping sedimentary rocks of the Cache Creek Group have been intruded and disturbed by Coast Range rocks resulting in variable silicification and brecciation. Pyrite, minor chalcopyrite, and native copper are principally confined along fracture planes and in pocket-like crushed zones. Gold values of economic interest have been found in some hematite-rich shear and fracture zones.

WORK DONE: Road construction, 0.63 kilometre; trenching and stripping, 1 150 square metres, covering Pearl, Opal, Topaz, and Ruby.

REFERENCES: Mineral Inventory 82L/SW-65; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 136; Assessment Report 5272.

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

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.

OWNER: KEDA RESOURCES (1973) LIMITED, 1, 219 Victoria Street, Kamloops.

WORK DONE: Linecutting, 10.8 kilometres on Au 1 to 5, 7, 12, 19.

REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 100 (Black Hawk, BJ), Assessment Reports 2516 (BJ), 4797, 5863.

1976

(82L/8W)

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

LOCATION: Lat. 50° 17' Long. 118° 24' (82L/8W)
VERNON M.D. Fifteen kilometres east-northeast 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, 1521 Pemberton Avenue, North Vancouver.

WORK DONE: Geochemical survey, 420 soil samples covering Cherry 1-3.

CASEY (Fig. E-1, NTS 82, No. 128)

LOCATION: Lat. 50° 28' Long. 118° 00' (82L/8E, 82K/5W)
REVELSTOKE M.D. Thirty kilometres north-northwest of Nakusp on the west side of Kootenay Lake, between Trout and Pingston Creeks.

CLAIMS: CASEY 1 to 10.

OWNER: Mervin Cusick.

OPERATORS: CYPRUS ANVIL MINING CORPORATION, 330, 355 Burrard Street, Vancouver, and METALLGESELLSCHAFT CANADA LIMITED, 824, 602 West Hastings Street, Vancouver.

METALS: Lead, zinc, silver.

DESCRIPTION: Sphalerite, galena, pyrite, and pyrrhotite mineralization is dominantly stratabound in association with pure and impure, partly brecciated and sometimes conglomeratic, marble horizons in a series of biotite-quartz-feldspar gneiss of the Shuswap Complex. Three distinct sulphide horizons were noted, with rapid thinning due to lateral facies change from calcareous to sandy lithologies. The three horizons mapped resemble channel filling close to an old shoreline.

WORK DONE: Geological mapping and sampling covering Casey 1-10 and areas to the northeast.

REFERENCE: Mineral Inventory 82L/SE-27.

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

LOCATION: Lat. 50° 55' Long. 119° 32' (82L/13E)
KAMLOOPS M.D. Fifteen kilometres northeast of Chase on the north side of Shuswap Lake, straddling Corning Creek, 0.5 kilometre from the lakeshore.

CLAIM: GRAVEL 1.

OWNER: GEORGE KACHUK, Box 1229, Salmon Arm.

WORK DONE: Prospecting on Gravel 1.

REFERENCES: Mineral Inventory 82L/NW-45; Assessment Report 5920.

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

LOCATION: Lat. 50° 58' Long. 119° 29.5' (82L/14W, 13E)
 KAMLOOPS M.D. Twenty-one kilometres northeast of Chase, at the head of Ashby 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).

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

METALS: Zinc, copper.

DESCRIPTION: Disseminated chalcopyrite and sphalerite mineralization occurs in rhyolite.

WORK DONE: Magnetic survey and EM 16 survey, 35 line-kilometres; geochemical survey, 725 soil samples, covering Scotch (15 units), SC 3 (15 units).

REFERENCE: Mineral Inventory 82L/NW-46.

IRON POT, PEARLMARIE (Fig. E-1, NTS 82, No. 77)

LOCATION: Lat. 49° 58.5' Long. 119° 28' (82L/14W)
 KAMLOOPS M.D. Seven and one-half kilometres north of Shuswap Lake, extending west from Scotch Creek along a small east-flowing tributary, at 600 metres elevation.

CLAIMS: PEARLMARIE 1 to 24.

OWNER: GROVER C. WILLIAMS, 4203 Vandyke Place NW., Calgary, Alberta T3A 0J7.

METALS: Copper, gold.

DESCRIPTION: Quartzite rocks, cut by steeply dipping basaltic dykes and micaceous quartz veins, are exposed on the property. Chalcopyrite and gold mineralization is present in the dykes and the adjacent quartzite.

WORK DONE: Reconnaissance prospecting over Pearlmarie 1-4.

REFERENCES: Mineral Inventory 82L/NW-15; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 55; Assessment Reports 5433, 5682, 5837.

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

LOCATION: Lat. 50° 47' Long. 119° 04' (82L/14E)
 KAMLOOPS M.D. Eighteen kilometres northeast of the community of Salmon Arm, between Shuswap Lake and Mara Lake, 1.5 kilometres southeast of Annis Bay on Shuswap Lake.

CLAIM: BON (9 units).

OWNER: SICAMOUS RESOURCES LTD., 307, 475 Howe Street, Vancouver.

METALS: Zinc, lead.

DESCRIPTION: Outcrop on the property is scarce. Sparse outcrops of micaceous quartzite and schist are exposed on the property.

1976

(82M/1E, 8E)

WORK DONE: Geochemical survey, 181 soil samples covering Bon (9 units).

REFERENCES: Mineral Inventory 82L/NW-21, 23 to 25; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 135 (Annis, Dawn, Lakeview); *B.C. Dept. of Mines & Pet. Res.*, GEM, 1970, p. 319; 1973, pp. 103, 104; Assessment Reports 4453 (Joanne), 5864.

SEYMOUR ARM 82M

COPPER QUEEN, S (Fig. E-1, NTS 82, No. 79)

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 (units 1 to 5, 12 to 16), CC 2 (units 1 to 5, 12 to 16), CC 3 (units 1 to 5, 12 to 21, 23 to 27), CC 4 (units 1 to 5, 12 to 21, 23 to 27), CC 5 (units 1 to 7), CC 6 (units 1 to 3), CC 7 (units 1 to 6, 11 to 22), CC 8 (units 1 to 3, 14 to 19), CC 9 (units 1 to 7, 10 to 16), JACK (units 1 to 5, 12 to 16), JILL (units 1 to 5, 12 to 16).

OWNER: KERR ADDISON MINES LIMITED, 703, 1112 West Pender Street, Vancouver V6E 2S1.

METALS: Copper, zinc.

DESCRIPTION: Chalcopyrite and sphalerite occur in schistose limy amphibolite within a northeasterly dipping sequence that includes sericite schist, schistose amphibolite, and limestone. Porphyritic granodiorite intrudes the metamorphic assemblage.

WORK DONE: Surface geological mapping, 1:12 500 and geochemical survey, 1 800 soil and silt samples, covering all claims; geological mapping, 1:2500, covering CC 9 (units 1-7, 10-16).

REFERENCES: Mineral Inventory 82M-4; *Minister of Mines, B.C.*, Ann. Rept., 1906, p. 228; 1909, p. 139; 1913, p. 202.

BET (FLUKE) (Fig. E-1, NTS 82, No. 145)

LOCATION: Lat. 51° 04' Long. 119° 15' (82M/3E)
KAMLOOPS M.D. On Crowfoot Mountain, 16 kilometres north of Magna Bay.

CLAIMS: FLUKE 1 to 6.

OWNER: RESOUREX LTD., c/o Allen Resource Consultants Ltd., Box 7248, Station E, Calgary, Alberta.

METALS: Lead, zinc, silver.

DESCRIPTION: Mineralization includes sulphide replacement of limestone and marble bands, as well as sulphides in quartz veins within the Shuswap Complex. Included are altered sedimentary rocks in the form of various varieties of schists and marble that have been silicified. Rocks have been intruded by diorite dykes.

1976

(82M/3W)

WORK DONE: Geochemical survey, 275 soil samples analysed for lead, zinc, copper, and silver covering Fluke 3-6.

REFERENCES: Mineral Inventory 82M-104; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 85.

RED, FIR (Fig. E-1, NTS 82, No. 80)

LOCATION: Lat. $51^{\circ} 06'$ Long. $119^{\circ} 23'$ (82M/3W)
KAMLOOPS M.D. Sixty kilometres south-southeast of Vavenby, 3 kilometres east-southeast of the confluence of Cross and Kwikoiit Creeks.

CLAIMS: RED (9 units), FIR (3 units).

OWNER: ORELL COPPER MINES LTD., Box 457, Salmon Arm V0E 2T0.

WORK DONE: Prospecting on Red (9 units), Fir (3 units).

CU (Fig. E-1, NTS 82, No. 82)

LOCATION: Lat. $51^{\circ} 00.2'$ Long. $119^{\circ} 30.5'$ (82M/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: BC 1 (12 units), BC 2 (16 units), BC 3 (16 units), ZINC (6 units).

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

METALS: Copper, zinc.

DESCRIPTION: Massive sulphide mineralization occurs as chalcopyrite, pyrrhotite, magnetite, and sphalerite in rhyolitic and andesitic volcanic rocks.

WORK DONE: Magnetic survey and EM 16 survey, 30 line-kilometres; geochemical survey, 575 soil samples, covering all claims.

REFERENCES: Mineral Inventory 82M-138; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 95.

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

LOCATION: Lat. $51^{\circ} 02.5'$ Long. $119^{\circ} 31'$ (82M/4E)
KAMLOOPS M.D. Adams Plateau, 6.5 kilometres south of Pisima Mountain, on the westerly flowing tributary of Nikwikaia Creek.

CLAIM: PET 1.

OWNER: STEPHEN DUBITZ, Box 518, Chase.

METALS: Lead, zinc.

DESCRIPTION: Galena and marmatite (zinc sulphide) mineralization occurs in trenches and is exposed by stripping.

WORK DONE: 1975 — limited prospecting on Pet 1.

REFERENCES: Mineral Inventory 82M-143; Assessment Report 5919.

1976

(82M/4E)

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

LOCATION: Lat. $51^{\circ} 03.5'$ Long. $119^{\circ} 31'$ (82M/4E)
KAMLOOPS M.D. Sixty kilometres south-southeast of Vavenby, on the southeast flank of the Adams Plateau, 2.5 kilometres south of Gilfrid Lake, on Nikwikaia Creek.

CLAIM: FOX (4 units).

OWNER: Orell Copper Mines Ltd.

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

WORK DONE: Prospecting on Fox (units 1-4).

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

LOCATION: Lat. $51^{\circ} 04'$ Long. $119^{\circ} 32.5'$ (82M/4E)
KAMLOOPS M.D. On Adams Plateau, 5 kilometres south-southwest of Pisima Mountain, on the west side of Nikwikaia Creek, at 1 620 metres elevation.

CLAIMS: SPAR 1 and 2.

OWNER: HESCA RESOURCES CORPORATION LIMITED, 705, 900 West Hastings Street, Vancouver V6C 1E5.

METALS: Lead, zinc, copper, silver.

DESCRIPTION: Stratabound massive sulphide mineralization consisting of galena and sphalerite with lesser amounts of chalcopyrite, pyrite, and pyrrhotite is localized in the crests of dragfolds in a multiple folded limy 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 mineralization is bordered by a 'fringe' zone of galena, sphalerite, pyrite, and pyrrhotite concentrated on the crests of a series of dragfolds. The axial planes of the fold structures strike south 60 degrees west and have a low dip. The axes plunge 10 degrees to the southwest. The overall mineralized zone has been traced in an open cut and in a short tunnel for approximately 75 feet and over a maximum thickness of 50 feet and a width of 50 feet before being obscured by overburden.

WORK DONE: Surface diamond drilling, eight BQ holes totalling 285 metres on Spar 1.

REFERENCES: Mineral Inventory 82M-17; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 96.

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

LOCATION: Lat. $51^{\circ} 19'$ Long. $119^{\circ} 47'$ (82M/5W)
KAMLOOPS M.D. Thirty kilometres south of Vavenby, between East Barriere Lake and the east end of North Barriere Lake.

CLAIMS: EBL, REM, totalling 45.

OWNERS: R. Moore, J. Gourlay, and G. Moore.

OPERATOR: KENNCO EXPLORATIONS, (WESTERN) LIMITED, 730, 505 Burrard Street, Vancouver.

1976

(82M/5W)

METAL: Copper.
DESCRIPTION: Lenses of massive pyrrhotite-magnetite-chalcopryrite mineralization in a limy schist are exposed in trenches.
WORK DONE: Geochemical survey, 99 soil samples covering REM 5, 6, 15, 16, EBL 16.
REFERENCES: Mineral Inventory 82M-51; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 97; Assessment Reports 2369, 2680, 2989, 3431, 3884, 4685, 5973.

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

LOCATION: Lat. 51° 19.5' Long. 119° 55' (82M/5W)
KAMLOOPS M.D. Thirty-one kilometres south-southwest of Vavenby, covering Birk Creek, immediately northwest of the Barriere River.
CLAIMS: BET 1 (15 units), BET 2 (16 units), BET 3 (4 units), BET 4 (2 units), BET 5 (8 units).
OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver V6C 2R2.
METALS: Zinc, lead, copper, silver.
DESCRIPTION: The property is underlain by gently dipping argillaceous meta-sedimentary and basic and felsic metavolcanic rocks of the Paleozoic Eagle Bay Formation. Mineralization consists of zones of essentially barren massive pyrite and zones of disseminated pyrite-sphalerite-galena-chalcopryrite.
WORK DONE: Surface geological mapping, 1:5000, covering Bet 1 to 5; geochemical survey, 764 soil samples, covering Bet 1 to 3; trenching, 819 cubic metres on Bet 3; linecutting, 7.5 line-kilometres, covering Bet 1 to 3.
REFERENCES: Mineral Inventory 82M-67; *Minister of Mines, B.C.*, Ann. Rept., 1922, p. 146 (Anaconda Group); 1924, p. 153 (Anaconda Group); 1927, p. 190 (Rainbow-OK); 1939, p. 93 (Iron Cap); Assessment Reports 69, 70, 3333.

HARPER, ULTIMA (Fig. E-1, NTS 82, No. 92)

LOCATION: Lat. 51° 20' Long. 119° 51' (82M/5W)
KAMLOOPS M.D. Twenty-eight kilometres south-southwest of Vavenby, on the north side of North Barriere Lake between Harper and Vermelin Creeks.
CLAIMS: DC 1 (9 units), DC 2 (9 units), DC 3 (3 units), DC 4 (4 units), DC 5 (2 units), DC 6 (6 units), DC 7 (16 units).
OWNER: D. Cavanagh.
OPERATOR: CANADIAN SUPERIOR EXPLORATION LIMITED, 2201, 1177 West Hastings Street, Vancouver V6E 2K3.
METALS: Copper, zinc, lead.
DESCRIPTION: Lenses of massive pyrrhotite and pyrite with chalcopryrite, sphalerite, and galena are stratabound in a metasedimentary-metavolcanic se-

1976

(82M/5W)

quence of the Cache Creek Group. At least two sulphide horizons are evident but grades in copper, lead, and zinc are generally low.

WORK DONE: Surface geological mapping, 1:1200; magnetometer survey, 9 line-kilometres; and electromagnetic survey, 8 line-kilometres, covering DC 1 (units 1, 2, 4-9); relogging old core (12 AQ holes, 105 metres), covering DC 1 (units 5, 6, 8); geochemical survey, 26 soil samples, covering DC 1 (unit 5); surface diamond drilling, three BQ holes totalling 320 metres on DC 1 (unit 5).

REFERENCES: Mineral Inventory 82M-60; *Minister of Mines, B.C.*, Ann. Rept., 1965, p. 159; 1966, p. 145; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1970, pp. 313, 314; 1972, p. 88; Assessment Report 6177.

BROKEN RIDGE, MAY (Fig. E-1, NTS 82, No. 88)

LOCATION: Lat. 51° 20' Long. 119° 55' (82M/5W)

KAMLOOPS M.D. Thirty kilometres south-southwest of Vavenby, 2 kilometres northwest of the west end of North Barriere Lake, on Harper Creek and one of its westerly flowing tributaries.

CLAIMS: BIRK 1 (9 units), BIRK 2 (15 units).

OWNER: KENNCO EXPLORATIONS, (WESTERN) LIMITED, 730, 505 Burrard Street, Vancouver.

METALS: Copper, zinc, silver.

DESCRIPTION: Lenses and blebs of pyrite and pyrrhotite with minor chalcopyrite and sphalerite occur conformable to bedding in metasedimentary rocks of the Eagle Bay Formation.

WORK DONE: Geochemical survey, 500 soil and rock samples covering Birk 1 and 2; washing and resampling (old trenches), 300 metres on Birk 1.

REFERENCES: Mineral Inventory 82M-130, 131; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, p. 440.

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

LOCATION: Lat. 51° 21' Long. 119° 57' (82M/5W)

KAMLOOPS M.D. Twenty-nine kilometres south-southwest of Vavenby, 5 kilometres east-northeast of the west end of North Barriere Lake, on the east side of Birk Creek.

CLAIMS: SNOWBIRD 1 to 4.

OWNER: Wilhelm Schilling.

OPERATOR: PAUL SCHILLING, Darfield.

DESCRIPTION: The area is underlain by schists, gneisses, and diorites, with some carbonate alteration and pyrite.

WORK DONE: 1975 — surface diamond drilling, one hole totalling 75 metres on Snowbird 4.

REFERENCE: Assessment Report 5791.

1976

(82M/5W)

ENARGITE, NORTH STAR (Fig. E-1, NTS 82, No. 91)

LOCATION: Lat. $51^{\circ} 21'$ Long. $119^{\circ} 59'$ (82M/5W)
KAMLOOPS M.D. Twenty-eight kilometres south of the Canadian Pacific Railway flagstop of Birch Island, on Birk Creek, at approximately 1 350 metres elevation.

CLAIMS: ENARGITE 1 to 40.

OWNER: Kam Creed Mines Ltd.

OPERATORS: D. L. RABBITT and R. A. RABBITT, RR 4 Trans Canada Highway 1 East, Salmon Arm V0E 2T0.

METALS: Silver, lead, zinc, copper.

WORK DONE: Eight trenches, approximately 3 100 cubic metres on Enargite 1-40.

REFERENCES: Mineral Inventory 82M-64, 65; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 57.

LEEMAC, BOOMAC (Fig. E-1, NTS 82, No. 86)

LOCATION: Lat. $51^{\circ} 22'$ Long. $119^{\circ} 44.5'$ (82M/5E)
KAMLOOPS M.D. Twenty-five kilometres south of Vavenby, 5 kilometres east-northeast of the east end of North Barriere Lake, immediately north of the Barriere River.

CLAIMS: SAN 1 to 4.

OWNER: Catherine Sanesh.

OPERATOR: STEVE SANESH, 7, 320 Powers Road, Kamloops.

METALS: Silver, lead, zinc.

DESCRIPTION: Silver mineralization is found in quartz veins in granites of the Cretaceous Baldy batholith which intrudes Upper Paleozoic sedimentary rocks. The granite is strongly porphyritic, reddish in colour, and nearly devoid of mafic minerals except for minor biotite. Sericite is common, particularly adjacent to vein structures.

WORK DONE: Surface geological mapping, 1:600, covering San 1 to 4.

REFERENCES: Mineral Inventory 82M-56; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 145; Assessment Report 5939.

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

LOCATION: Lat. $51^{\circ} 29'$ Long. $119^{\circ} 37'$ (82M/5E)
KAMLOOPS M.D. Fourteen kilometres south-southeast of Vavenby, at the headwaters of Gollen Creek.

CLAIM: LUCKY STRIKE (1 to 4 units).

OWNER: J. A. FENNEL, Box 189, Barriere.

METAL: Copper.

DESCRIPTION: Chalcopyrite mineralization occurring in argillaceous chloritic schists was intersected in a drill hole.

WORK DONE: 1975 — X-ray diamond drilling, two holes totalling 76.5 metres on Lucky Strike (units 3 and 4).

REFERENCES: Mineral Inventory 82M-114; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, pp. 437, 438; 1972, p. 90; Assessment Report 5929.

(82M/7W)

T, SNAKE EYES (Fig. E-1, NTS 82, No. 127)

LOCATION: Lat. $51^{\circ} 27'$ Long. $118^{\circ} 50'$ (82M/7W)
KAMLOOPS M.D. Sixty-eight kilometres north-northwest 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), COTTON (6 units), BLACK JACK (6 units).

OWNER: United Mineral Services Ltd.

OPERATORS: CYPRUS ANVIL MINING CORPORATION, 330, 355 Burrard Street, Vancouver and METALLGESELLSCHAFT CANADA LIMITED, 824, 602 West Hastings Street, Vancouver.

METALS: Lead, zinc, copper, silver.

DESCRIPTION: Stratabound, massive to disseminated sphalerite and galena with minor chalcopyrite occur in a carbonate-rich sequence of the Shuswap Complex. Three types of sulphide horizons can be categorized as: massive sulphide/oxide; rhythmic layers of ore minerals and carbonates/silicates; disseminated sulphides/oxides.

WORK DONE: Surface geological mapping covering T, Snake Eyes, Black Jack, Cotton.

REFERENCE: Mineral Inventory 82M-153.

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

LOCATION: Lat. $51^{\circ} 28'$ Long. $118^{\circ} 48'$ (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, on the northwest slope of Grace Mountain.

CLAIM: NEVADA (6 units).

OWNER: LES ADAMS, Box 1329, Princeton.

METALS: Copper, lead, zinc, silver.

DESCRIPTION: Magnetite, chalcopyrite, galena, sphalerite, pyrite, and pyrrhotite occur in garnetiferous, calcareous, biotite schist.

WORK DONE: Prospecting on Nevada (6 units).

REFERENCES: Mineral Inventory 82M-125; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 116 (Shuswap); Assessment Reports 486, 958, 1768, 2637, 4367, 5953.

COPPER KING (Fig. E-1, NTS 82, No. 93)

LOCATION: Lat. $51^{\circ} 28'$ Long. $118^{\circ} 50'$ (82M/7W)
KAMLOOPS M.D. Twenty-seven kilometres north-northeast of the settlement of Seymour Arm, 3 kilometres east-northeast of the confluence of Blais Creek and Seymour River, immediately south of Blais Creek.

CLAIM: VEGAS (9 units).

1976

(82M/8W)

OWNER: GEORGE ADAM, Box 44, Kamloops.
METAL: Copper.
DESCRIPTION: Chalcopyrite mineralization occurs in quartzite, which overlies limestone and is overlain by a quartz-biotite-feldspar gneiss.
WORK DONE: Prospecting on Vegas (9 units).
REFERENCES: Mineral Inventory 82M-144; *Minister of Mines, B.C.*, Ann. Rept., 1913, pp. 202, 203 (Copper King); Assessment Report 5952.

KEYSTONE (Fig. E-1, NTS 82, No. 97)

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 Keystone Creeks.
CLAIMS: KEY 1 (20 units), KEY 2 (20 units), KEY 3 (12 units).
OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B 3T5.
METALS: Lead, zinc, copper.
DESCRIPTION: Quartz, pyrite, pyrrhotite, sphalerite, galena, and minor chalcopyrite replace crystalline limestone in a sequence of schists and slates.
WORK DONE: Grid established; electromagnetic survey, 40.1 kilometres; geochemical survey, 764 soil samples, covering all claims.
REFERENCES: Mineral Inventory 82M-89; *Minister of Mines, B.C.*, Ann. Rept., 1898, p. 1059; 1905, pp. 148, 152; 1912, p. 144; 1929, p. 330; Assessment Report 6104.

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

LOCATION: Lat. 51° 27' Long. 118° 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, Vancouver V6B 3T5.
WORK DONE: Grid established, 32.9 kilometres; VLF EM survey, 24 kilometres; CEM survey, 26 kilometres; magnetometer survey, 26.3 kilometres; and geochemical survey, 617 soil samples, covering Down 1 (20 units).
REFERENCE: Assessment Report 6097.

KS (Fig. E-1, NTS 82, No. 98)

LOCATION: Lat. 51° 29' Long. 118° 20' (82M/8W)
REVELSTOKE M.D. Fifty-three kilometres north of Revelstoke, on the east side of the Columbia River, 10 kilometres east-northeast of the settlement of Downie Creek, between Downie Creek and Keystone Peak.

1976

(82M/8)

CLAIMS: KS 1 (6 units), KS 2 (12 units), KS 3 (12 units), KS 4 (12 units).
OWNER: KERR ADDISON MINES LIMITED, 703, 1112 West Pender Street, Vancouver.
METALS: Copper, lead, zinc.
DESCRIPTION: Chalcopyrite, sphalerite, and galena mineralization occurs in quartz veins and along foliation planes in Lardeau Group quartz sericite schist and as partial replacements in Badshot limestone.
WORK DONE: Surface geological mapping, 1:12 500; geochemical survey, 800 samples, covering all claims.
REFERENCE: Mineral Inventory 82M-146.

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

LOCATION: Lat. 51° 22' Long. 118° 15' (82M/8)
REVELSTOKE M.D. Forty-one kilometres north of Revelstoke, covering Standard Peak.
CLAIMS: STANDARD 1 to 4 (totalling 56 units), MARS, KEY, KELLY, and 19 Crown-granted claims including STANDARD (Lot 6944), MONITOR (Lot 6945), COMMANDER (Lot 6946), WINNIBAGO (Lot 6947), CONTRACTOR (Lot 6948), IRON HILL (Lot 6949), DENVER FR. (Lot 6950), BUTTE FR. (Lot 6951), IRON CHEST (Lot 6952), BLACK BEAR (Lot 6953), CRITERION (Lot 6954), IRON HILL FR. (Lot 7483), UXL FR. (Lot 7484), DOWNIE FR. (Lot 7485), MINTO (Lot 7486), MARTHA JANE FR. (Lot 7487), IXL FR. (Lot 7488), FRANCES (Lot 7489), HXL FR. (Lot 7490).
OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B,3T5.
METALS: Copper, silver, zinc, gold.
DESCRIPTION: The area is underlain by Lower Cambrian Lardeau Group 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 mineralization, associated with pyrrhotite and carbonate banding, is found in a talc-rich chlorite schist, part of a greenstone sequence making up one of the limbs of the antiform.
WORK DONE: Grid preparation, 42.5 kilometres; geochemical survey, 420 soil samples; and electromagnetic survey, 14.3 kilometres, covering Mars 1 to 4; surface geological survey, 1:25 000, covering Mars, Key, Standard, Kelly, and 19 Crown-granted claims; grid preparation, 48 kilometres; geochemical survey, 354 soil samples; and electromagnetic survey, 41.3 kilometres, covering Standard 1 to 4 and 19 Crown-granted claims; surface diamond drilling, nine BQ holes totalling 888.9 metres on Butte Fr., Criterion, and Standard 4.
REFERENCES: Mineral Inventory 82M-90, 145; *Minister of Mines, B.C.*, Ann. Rept., 1898, p. 1059; 1900, p. 809; 1902, p. 139; 1905, p. 151; 1912, p. 144; 1921, p. 155; Assessment Reports 6070, 6187.

1976

(82M/9W, 10E)

MEL (Fig. E-1, NTS 82, No. 134)

LOCATION: Lat. 51° 30' Long. 118° 25' (82M/9W, 10E)
REVELSTOKE M.D. Approximately 60 kilometres north-northwest of Revelstoke; most of the claims are on Brewster Creek, while some are to be found both north and south of Goldstream River.

CLAIMS: MEL 200, 300, 500, 600, 1100, 1200, STAN 100, 200, 500, 600, BRI 100, 400, NEXT 1, NEXT 2, SUNNY 1, GOLD 1, totalling approximately 250 units.

OWNER: ABACA RESOURCE INDUSTRIES INC., 705, 850 West Hastings Street, Vancouver.

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

DESCRIPTION: Chalcopyrite, sphalerite, galena, pyrite, and pyrrhotite occur within Paleozoic and Proterozoic metasedimentary and metavolcanic rocks which are locally intruded by granitic rocks.

WORK DONE: Aeromagnetic-electromagnetic survey, 200 kilometres, covering Next 1 and 2, Sunny 1, Bri 100 and 400, Gold 1; VLF EM survey, 3.5 kilometres covering Mel 200, 500, 1100, 1200; 6 kilometres covering Stan 500, 600; and 0.5 kilometre covering Mel 300, 600; magnetometer and electromagnetic survey, 14 kilometres; Crone 'shootback' electromagnetic survey, 2.5 kilometres; trenching, 50 metres; road work, 300 metres; and BQ wireline diamond drilling, 145 metres, on Next 1.

RP (Fig. E-1, NTS 82, No. 138)

LOCATION: Lat. 51° 31' Long. 118° 20' (82M/9W)
REVELSTOKE M.D. On Downie Creek, 9 kilometres upstream from the Columbia River.

CLAIMS: RP 1 to 5 (87 units).

OWNER: NEWCONEX CANADIAN EXPLORATION LTD., 808, 525 Seymour Street, Vancouver V6B 3H7.

DESCRIPTION: The claims are underlain by coarse-grained quartz monzonite and schists and gneisses of the Lardeau series.

WORK DONE: Surface geological mapping, 1:12 000; geochemical survey, 116 silt and 340 soil samples, covering RP 1 to 5.

REFERENCE: Assessment Report 6169.

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

LOCATION: Lat. 51° 32' Long. 118° 20' (82M/9W)
REVELSTOKE M.D. Sixty-one kilometres north of Revelstoke, on Downie Peak, between the headwaters of Long and Boulder Creeks.

CLAIMS: KJ 1 to 20.

OWNER: CENT PAC DEVELOPMENT INC., Third Floor, 73 Water Street, Vancouver.

METALS: Lead, zinc, gold, silver.

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(82M/9W)

DESCRIPTION: Pyrrhotite, chalcopyrite, sphalerite, and galena mineralization occurs in an altered limestone which has been intruded by a large stock of granite lying to the south of the mineralized area.

WORK DONE: Magnetometer survey, 20 line-kilometres; geochemical survey, 144 soil samples, covering KJ 1 to 5; 12, 14, 16, 18.

REFERENCES: Mineral Inventory 82M-85; *Minister of Mines, B.C.*, Ann. Rept., 1916, p. 192; 1917, p. 152; 1921, p. 154; 1929, p. 330; Assessment Report 5810.

O'REILLY (Fig. E-1, NTS 82, No. 101)

LOCATION: Lat. 51° 32' Long. 118° 25' (82M/9W)
REVELSTOKE M.D. Fifty-eight kilometres north of Revelstoke, 4 kilometres north of Downie Creek, between Caribou and Granite Creeks.

CLAIM: O'REILLY 1 (20 units).

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B 3T5.

METAL: Copper.

DESCRIPTION: The claim area is underlain by a thick (600-metre) sequence of siliceous metasedimentary rocks consisting predominantly of banded quartz-biotite-chlorite schist, massive grey quartzite, and micaceous quartzite. Subordinate interbeds of iron-oxide-stained carbonate-graphite phyllite are also present. Mineralization is found as sparse pockets of massive pyrite-pyrrhotite-chalcopyrite within quartz blebs and as finely disseminated stratabound pyrrhotite-chalcopyrite within quartzites.

WORK DONE: Grid established, 9.5 kilometres; geochemical survey, 95 soil samples; electromagnetic survey, 8.4 kilometres, covering O'Reilly 1 (20 units).

REFERENCES: Mineral Inventory 82M-148; Assessment Report 6103.

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

LOCATION: Lat. 51° 33' Long. 118° 20' (82M/9W)
REVELSTOKE M.D. Sixty-two kilometres north of Revelstoke, on the east side of the Columbia River, covering the headwaters of Boulder Creek, 2 kilometres west of Downie Peak.

CLAIMS: MONT 1 (20 units), MONT 2 (20 units), MONT 3 (8 units), MONT 4 (8 units).

OWNER: SEAFORTH MINES LTD., 202, 11111 - 87th Avenue, Edmonton, Alberta.

METALS: Copper, zinc, silver.

DESCRIPTION: The Mont claims are underlain by a succession of carbonates and quartz-chlorite schists which are part of the Badshot Formation and the Lardeau Group. The sulphides form a horizon a few thousand metres in length. Present exposures that were examined are massive pyrrhotite

1976

(82M/9W)

with minor chalcopyrite (0.7 per cent copper) 1.5 metres to 6 metres thick. The footwall and hangingwall are siliceous and copper-rich with grades up to 2.5 per cent copper.

WORK DONE: Prospecting and geochemical survey, 10 rock samples, covering Mont 1 to 4.

REFERENCE: Mineral Inventory 82M-147.

PAT (Fig. E-1, NTS 82, No. 141)

LOCATION: Lat. 51° 36' Long. 118° 18' (82M/9W)

REVELSTOKE M.D. South of the Goldstream River, between French and McCulloch Creeks.

CLAIMS: PAT 1 to 67, 100 to 1300.

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B 3T5.

METALS: Copper, zinc, silver.

DESCRIPTION: Massive sulphides occur in a regime of basic phyllites and schists and limestones of the Lardeau Group.

WORK DONE: Surface geological survey, 1:25 000; geochemical survey, 4 soil and 36 silt samples, covering Pat 1300; underground drilling, 3 000 metres; underground development, 1 200 metres.

REFERENCES: Mineral Inventory 82M-141; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 87; Assessment Report 6188.

RRSP (Fig. E-1, NTS 82, No. 122)

LOCATION: Lat. 51° 36' Long. 118° 25' (82M/9W)

REVELSTOKE M.D. Seventeen kilometres north-northeast of the community of Downie Creek (on the Columbia River), 3 kilometres south of Goldstream River.

CLAIMS: RRSP 1 (20 units), RRSP 3 (20 units).

OWNER: SPROATT SILVER MINES LTD., 333, 885 Dunsmuir Street, Vancouver V6C 1N5.

DESCRIPTION: The area is mainly underlain by granite.

WORK DONE: Geological reconnaissance and geochemical survey, 253 silt samples, covering RRSP 1 and 3.

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

LOCATION: Lat. 51° 37' Long. 118° 23' (82M/9W)

REVELSTOKE M.D. Sixty-eight kilometres north of Revelstoke, 1 kilometre south of the confluence of Sweeper Bill Creek and the Goldstream River.

CLAIM: ALI (units 1 to 20).

OWNER: W. Rainboth.

1976

(82M/10E)

OPERATOR: CONWEST EXPLORATION COMPANY LIMITED, 1010, 85 Richmond Street West, Toronto, Ontario M5H 2G1.

DESCRIPTION: The area is underlain by rocks which are considered to be metamorphic equivalents of the Lardeau Group. Micaceous quartzite, phyllite, and thin layers of muscovite schist are exposed in bluffs near the south end of the claim and in a steep gully near the centre of the claim.

WORK DONE: Magnetometer survey, 17.5 kilometres; geochemical survey, 325 soil samples, covering ALI (20 units).

REFERENCE: Assessment Report 5899.

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

LOCATION: Lat. $51^{\circ} 33'$ Long. $118^{\circ} 33'$ (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 to 9.

OWNER: DOME EXPLORATION (CANADA) LIMITED, 600, 365 Bay Street, Toronto, Ontario.

WORK DONE: Geochemical survey, 410 soil samples analysed for lead and zinc covering Slide 1 to 9.

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

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, 7 kilometres west of the Columbia River.

CLAIMS: FISSURE 1 (20 units), FISSURE 2 (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 siltite, and various gneisses. Stratabound sphalerite and galena mineralization occurs adjacent to a marble unit.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 134 soil samples; prospecting; linecutting, 7.1 line-kilometres, covering Fissure 1 and 2.

REFERENCE: Mineral Inventory 82M-150.

TRI (Fig. E-1, NTS 82, No. 104)

LOCATION: Lat. $51^{\circ} 36'$ Long. $118^{\circ} 34'$ (82M/10E)
REVELSTOKE M.D. Seventy-five kilometres north-northwest of Revelstoke, 2 kilometres east of the confluence of Old Goldstream Creek and the Columbia River.

1976

(82M/10E)

CLAIMS: TRI (12 units), TRI 500 (16 units).
OWNERS: Bruce Bried, Gordon Bried, and Frank King.
OPERATORS: BRUCE BRIED and G. BRIED, 2135 Westsyde Road, Kamloops, F. KING, 4102 P.V. Road, Vernon, and NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B 3T5.
DESCRIPTION: Mineralization, consisting of chalcopyrite and pyrrhotite, occurs in float comprised of limy and siliceous bands and in blebs in garnetized greenstone schist.
WORK DONE: Bruce Bried, G. Bried, and F. King — prospecting; geochemical survey, 141 silt and soil samples assayed for molybdenum, copper, and zinc; and VLF EM survey, approximately 2.5 line-kilometres, covering Tri (12 units); Noranda Exploration Company, Limited — linecutting, 26.1 kilometres; geochemical survey, 283 soil samples; and electromagnetic survey, 23.6 kilometres, covering Tri (12 units) and Tri 500 (16 units).
REFERENCES: Assessment Reports 5884, 6185.

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

LOCATION: Lat. 51° 36' Long. 118° 38' (82M/10E)
REVELSTOKE M.D. Sixty-two kilometres north-northwest of Revelstoke, 4 kilometres west of the Columbia River, between Liberty and Kirbyville Creeks.
CLAIMS: LIBERTY 1 (20 units), LIBERTY 2 (20 units), LIBERTY 3 (20 units), LIBERTY 4 (20 units).
OWNER: Envoy Resources Ltd.
OPERATORS: ENVOY RESOURCES LTD. and BOW RIVER RESOURCES LIMITED, 333, 885 Dunsmuir Street, Vancouver.
DESCRIPTION: The claims are underlain by quartzite, quartz sericite schist, limestone, and marble.
WORK DONE: Reconnaissance geological survey and geochemical survey, 387 soil and silt samples, covering Liberty 1-4.

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

LOCATION: Lat. 51° 38' Long. 118° 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).
OWNER: SEAFORTH MINES LTD., 202, 11111 — 87th Avenue, Edmonton, Alberta.
METAL: Copper.
DESCRIPTION: The claim area is underlain by a succession of Lower Cambrian rocks belonging to the Badshot Formation and Lardeau Group. Chalcopyrite and pyrrhotite occur in quartz-talc-chlorite-tremolite-garnet schists. The

1976

(82M/12E)

altered zone is approximately 6 metres wide, with sulphides comprising up to 30 per cent of the zone over narrow widths.

WORK DONE: Surface geological mapping, 1:2000; geochemical survey, 504 soil samples analysed for copper, zinc, and silver; linecutting, 40 kilometres; and magnetometer survey, 40 line-kilometres, covering all claims; gravity survey, 5 line-kilometres, covering Bend 1 and 2R (approximately 2 units); stratigraphic and structural study, covering Bend 1 and 2R.

REFERENCES: Mineral Inventory 82M-149; Assessment Report 6176.

VAV (Fig. E-1, NTS 82, No. 109)

LOCATION: Lat. $51^{\circ} 36'$ Long. $119^{\circ} 37.5'$ (82M/12E)
KAMLOOPS M.D. Ten kilometres east of Vavenby, immediately east of the Sonja property, 4 kilometres east of the confluence of Reg Christie Creek and the North Thompson River, on a tributary of Reg Christie Creek.

CLAIM: VAV (8 units).

OWNER: Harry Miller.

OPERATOR: GREENWOOD EXPLORATIONS LTD., 910 Mainland Street, Vancouver.

METAL: Copper.

DESCRIPTION: The claim is underlain predominantly by Permian metamorphic rocks, and older Shuswap metamorphic rocks to the south. The Permian metamorphic rocks, consisting mainly of quartz sericite schist, quartz chlorite schist and quartz muscovite schist with graphic lenses are found outcropping mainly in the central and northern areas of the claim block. The Shuswap metamorphic rocks are found in a few outcrops in the southern part of the claim block. Chalcopyrite, pyrite, and pyrrhotite mineralization occurs in the quartz sericite schist and the quartz muscovite schist. The mineralization occurs as disseminations along foliation planes and along quartz-filled fractures.

WORK DONE: Surface geological mapping, 1:4800 covering VAV (6 units).

REFERENCES: Mineral Inventory 82M-151, 152; Assessment Report 5909.

SONJA (LOST CREEK MINE) (Fig. E-1, NTS 82, No. 108)

LOCATION: Lat. $51^{\circ} 38'$ Long. $119^{\circ} 36'$ (82M/12E)
KAMLOOPS M.D. Eight kilometres east of Vavenby, 3 kilometres east of the confluence of Reg Christie Creek and the North Thompson River, on a tributary of Reg Christie Creek.

CLAIM: SONJA (1 unit).

OWNER: ROBERT J. FRANKS, Box 70, Vavenby V0E 3A0.

METAL: Copper.

DESCRIPTION: Copper mineralization is reported to occur in schists and shales.

WORK DONE: Linecutting, 2 kilometres on Sonja (1 unit).

1976

(82M/12W)

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

LOCATION: Lat. $51^{\circ} 34'$ Long. $119^{\circ} 55'$ (82M/12W)
KAMLOOPS M.D. One kilometre south of Birch Island, on the south slope of the North Thompson Valley, between Lute and Foghorn Creeks.

CLAIMS: ACTIVE, RADIO, ELLA, PA, JAM, etc., totalling approximately 150 plus 40 surveyed mineral claims including BLACK DIAMOND, SMUGGLER, SPAR, REX, etc. (Lots 5387 to 5405, 5408 to 5411, 5477 to 5482, 5484 to 5494).

OWNER: CONSOLIDATED REXSPAR MINERALS & CHEMICALS LIMITED, 4 King Street West, Toronto, Ontario M5H 1C2.

METALS: Uranium, fluorite.

DESCRIPTION: Uranium minerals, fluorite, and pyrite occur as hydrothermal replacement deposits in tuffaceous trachyte.

WORK DONE: Surface diamond drilling, 11 HQ holes totalling 372.6 metres on Black Diamond 2 (Lot 5387), Rex 12 (Lot 5402), Rex 20 (Lot 5397).

REFERENCES: Mineral Inventory 82M-21, 23, 31, 42, 43; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 58, E 59; Assessment Reports 6064, 6106.

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

LOCATION: Lat. $51^{\circ} 36'$ Long. $119^{\circ} 53'$ (82M/12W)
KAMLOOPS M.D. Two kilometres east-southeast of Birch Island on the south side of the North Thompson River, between Clay and Lute Creeks.

CLAIMS: TOREADOR 1 (20 units), TOREADOR 2 (4 units).

OWNER: TORWEST RESOURCES LTD., 14, 1199 West Hastings Street, Vancouver V6E 2K5.

DESCRIPTION: Anomalous radioactivity occurs in association with light grey pyritic schists.

WORK DONE: Grid established, 17.5 line-kilometres; VLF EM survey, 17.4 line-kilometres; surface geological mapping, 1:5000 (0.9 square kilometre), covering Toreador 1.

REFERENCE: Assessment Report 6161.

SNOW (Fig. E-1, NTS 82, No. 139)

LOCATION: Lat. $51^{\circ} 38'$ Long. $119^{\circ} 49'$ (82M/12W)
KAMLOOPS M.D. Seven kilometres northeast of the village of Birch Island, on the south side of Mount McClennan, near its summit.

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).

OWNER: CANADIAN NICKEL COMPANY LIMITED, 709, 1075 Melville Street, Vancouver.

1976

(82M/13E)

METALS: Lead, zinc, silver, copper, gold.
DESCRIPTION: Sphalerite, galena, chalcopyrite, pyrrhotite, and pyrite occur as stratabound deposits in schists and gneisses.
WORK DONE: Linecutting, 98 kilometres covering Nimsic (6 units), Nimsic 2 (14 units), Nimsic 3 (10 units), Nimsic 4 (8 units), Nimsic 8 (12 units).
REFERENCES: Mineral Inventory 82M-45; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 59; Assessment Reports 436, 5813, 6174.

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

LOCATION: Lat. 51° 51' Long. 119° 40' (82M/13E)
KAMLOOPS M.D. Thirty-one kilometres west-northwest of the settlement of Avola, on the east side of Raft River, between Maxwell and Richie Creeks.
CLAIMS: BUG (4 units), MOSQUITO (6 units), RAIN (10 units), MAX (8 units), SNOW (2 units), MOSQUITO II (4 units), MOSQUITO III (10 units), RAFT III (18 units), RAFT IV (3 units), RAFT I (18 units), RAFT II (14 units), MAX II (4 units).
OWNERS: Andrew P. Horne (1975); Bethlehem Copper Corporation (1976).
OPERATORS: SICINTINE MINES LTD., 1425, 355 Burrard Street, Vancouver (1975); BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8. (1976).
METALS: Copper, molybdenum.
DESCRIPTION: The area is underlain by rocks of the Shuswap Complex. Rock types consist mainly of interbedded schist, gneiss, and amphibolite within intrusive rocks ranging from granitic gneiss to slightly altered quartz diorite. Sulphide mineralization, mainly pyrite, pyrrhotite, and chalcopyrite is concentrated mainly in localized zones within mafic skarns and biotite-muscovite schist.
WORK DONE: 1975 — surface geological mapping, 1:2500; geochemical survey, 662 soil samples; magnetometer survey, 31 line-kilometres, covering Mosquito (6 units), Mosquito II (4 units), Bug (4 units); 1976 — surface geological mapping, 1:2500, covering Mosquito (units 17, 18) and Mosquito II (units 1 and 2); 1:10 000, covering Raft I (units 13, 19, 20), Raft III (units 4, 18, 19), and Mosquito III (units 1 and 2); geochemical survey, 200 samples analysed for copper, covering Snow (units 1 and 2), Raft I (unit 17), Raft II (units 1, 2, 16-18), Raft III (units 1-3, 14-16), Mosquito III (units 1-5); percussion drilling, 15 holes totalling 582.2 metres on Mosquito (units 15-18), Mosquito II (units 1 and 2), Mosquito III (unit 4).
REFERENCES: Mineral Inventory 82M-136; Assessment Reports 5836, 6071.

1976

(82M/13E)

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

LOCATION: Lat. $51^{\circ} 55'$ Long. $119^{\circ} 35'$ (82M/13E)
KAMLOOPS M.D. Twenty-three kilometres northwest of the Avola post office, on the west side of Raft River, north of Richie Creek, at approximately 1 500 metres elevation.

CLAIMS: CK, RAFT, ULO, NORTH, totalling approximately 100.

OWNER: William J. Coulter.

OPERATOR: SICINTINE MINES LTD., 1425, 355 Burrard Street, Vancouver V6C 2G8.

METALS: Zinc, lead, copper.

WORK DONE: Seven trenches totalling 480 cubic metres on CK 1, 3, 13; magnetometer survey, 7.8 line-kilometres covering CK 1-6.

REFERENCES: Mineral Inventory 82M-137; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 59.

IT, TO (RUDDOCK CREEK) (Fig. E-1, NTS 82, No. 115)

LOCATION: Lat. $51^{\circ} 47'$ Long. $118^{\circ} 54'$ (82M/15W)
KAMLOOPS and REVELSTOKE 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, at approximately 2 280 metres elevation.

CLAIMS: IT 1 to 16, 19 to 24, 27 to 30, 33 to 44, 59, 61, 83 to 85, TO 9 to 14, IN 2 to 19.

OWNER: Falconbridge Nickel Mines Limited.

OPERATOR: COMINCO LTD., 2200, 200 Granville Square, Vancouver.

METALS: Zinc, lead, silver.

DESCRIPTION: Calcareous and non-calcareous biotite gneisses and pegmatites of the Shuswap Complex were intersected in a drill hole.

WORK DONE: Surface diamond drilling, one NQ hole totalling 259.8 metres on IT 27.

REFERENCES: Mineral Inventory 82M-82 to 84; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 60; Assessment Report 5990.

PRINCETON — KAMLOOPS
(NTS Divisions 92H and 92I)

HOPE 92H

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

LOCATION: Lat. $49^{\circ} 10'$ Long. $120^{\circ} 00'$ (82E/4W; 92H/1E)
Report on this property in NTS Division 82.

ASH, NOLA (Fig. E-1, NTS 92H, No. 2)

LOCATION: Lat. $49^{\circ} 07.5'$ Long. $120^{\circ} 20'$ (92H/1W)
OSOYOOS M.D. Ashnola River area.

CLAIMS: ASH, NOLA, NOLA Fraction, JAM, Q, McBRIDE, MAX, totalling approximately 50.

OWNER: Cragmont Mines Limited.

OPERATOR: PRISM RESOURCES LTD., 805, 850 West Hastings Street, Vancouver.

METAL: Copper.

WORK DONE: Statistical analysis of magnetometer and induced polarization surveys covering NOLA 1, 2, 9, 10, 15, 17-21.

REFERENCES: Mineral Inventory 92H/SE-94, *Minister of Mines, B.C.*, Ann. Rept., 1968, pp. 219, 220; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 99; 1973, p. 123; Assessment Reports 2545, 2721, 3236, 3457, 5610, 5868, 5894.

HOLT, DAVIS (Fig. E-1, NTS 92H, No. 1)

LOCATION: Lat. $49^{\circ} 12'$ Long. $120^{\circ} 28'$ (92H/1W)
SIMILKAMEEN M.D. Twenty-nine kilometres south of Princeton, 7 kilometres northwest of Placer Mountain, south of Belgie Creek.

CLAIMS: DAVIS 11 to 18, HOLT 11 to 18.

OWNER: CASCADIA RESOURCES LTD., 620, 744 West Hastings Street, Vancouver.

DESCRIPTION: The claims are underlain by volcanic rocks of the Nicola Group of Late Triassic age.

WORK DONE: 1975 — trenching, 240 metres; stripping, 648 square metres, covering all claims.

REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 102; Assessment Report 4986.

TAN (Fig. E-1, NTS 92H, No. 72)

LOCATION: Lat. $49^{\circ} 01'$ Long. $121^{\circ} 47'$ (92H/4W)
NEW WESTMINSTER M.D. Thirteen kilometres east-southeast of Cultus Lake on Tamihi Creek.

1976

(92H/5W)

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, Alberta.
METALS: Copper, zinc.
DESCRIPTION: Sphalerite, pyrite, and chalcopyrite are associated with a Permo-Pennsylvanian series of subaqueous volcanic and related sedimentary rocks.
WORK DONE: Grid established, 25.1 kilometres; induced polarization and electromagnetic surveys, 9.3 kilometres each; trenching (plus sampling), 19.5 metres; road repair; surface geological mapping, 1:4800; geochemical survey, 8 rock chip samples plus 28 soil profiles (108 samples); two BQ and NQ diamond-drill holes, totalling 145.8 metres, covering Tan 1, 2, 17, 18, 20, 22, 24-26.
REFERENCES: Mineral Inventory 92H/SW-85; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 102; 1973, pp. 124, 125; 1974, p. 102; 1975, pp. E 61, E 62; Assessment Reports 4085, 4990, 5732, 6113.

SF (Fig. E-1, NTS 92H, No. 8)

LOCATION: Lat. 49° 25' Long. 121° 53' (92H/5W)
NEW WESTMINSTER M.D. Twenty kilometres north-northeast of Harrison Mills and 2 kilometres west of Harrison Lake, straddling Cartmell Creek.
CLAIMS: SF 1 to 20.
OWNER: SWIM LAKE MINES LTD., 307, 1475 Howe Street, Vancouver V6C 2B3.
METALS: Copper, zinc.
DESCRIPTION: The property is mainly underlain by acid to intermediate volcanic rocks and tuff of the Harrison Lake Formation. Chalcopyrite, sphalerite, and pyrite are found in veinlets.
WORK DONE: Percussion drilling, five holes totalling 450 metres on SF 7, 16, 19, 20.
REFERENCES: Mineral Inventory 92H/SW-87; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 130; 1974, p. 103; 1975, p. E 64; Assessment Reports 4858, 5340, 5738, 5779, 6102.

SENECA, HARRISON (Fig. E-1, NTS 92H, No. 7)

LOCATION: Lat. 49° 19' Long. 121° 57' (92H/5W)
NEW WESTMINSTER M.D. Twelve kilometres west of Harrison Hotsprings, 2 kilometres north of the Chehalis bridge.
CLAIMS: HARRISON, LUCKY JIM, BONANZA, CHEHALIS, DOROTHY, JOY, LH, LYN, POT, C, MZ, SNO, H-3, HW, ZIP, AS, totalling approximately 190.
OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver.
METALS: Copper, zinc, silver, gold.

1976

(92H/5W)

DESCRIPTION: Massive pyrite, chalcopyrite, and sphalerite occur within an acid to intermediate package of volcanic rocks belonging to the Harrison Lake Formation of Jurassic age.

WORK DONE: Drilling, two holes totalling 775 metres, on Lucky Jim and Harrison 15.

REFERENCES: Mineral Inventory 92H/SW-13; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, pp. 102-114; 1973, pp. 125-128; 1974, pp. 102, 103; 1975, p. E 62; Assessment Reports 2883, 2998, 3440, 3441, 3490, 3560, 5233, 5476, 5627, 6058, 6135.

SASQUATCH (Fig. E-1, NTS 92H, No. 71)

LOCATION: Lat. 49° 26' Long. 121° 52' (92H/5W)

NEW WESTMINSTER M.D. Fifteen kilometres north-northwest of Harrison Hotsprings, on the west shore of Harrison Lake, at the mouth of Simms Creek.

CLAIMS: SASQUATCH (9 units), BIG FOOT (9 units), BF 2 (9 units), BF 3 (12 units).

OWNERS: Glen Robinson, R. J. Barclay, and McIntyre Mines Limited.

OPERATOR: McINTYRE MINES LIMITED, 1003, 409 Granville Street, Vancouver.

METALS: Zinc, copper, silver.

DESCRIPTION: The claims are underlain by flows and pyroclastic rocks of the Harrison Lake Formation. Sulphide mineralization consisting of pyrite, sphalerite, pyrrhotite, and a little chalcopyrite with quartz and barite occurs as veins, patches, and disseminations in a silicified dacitic tuff.

WORK DONE: Surface geological mapping, 1:2400; geochemical soil survey, 363 samples analysed for copper, lead, silver, and zinc; electromagnetic survey, covering BIG FOOT (9 units).

REFERENCES: Mineral Inventory 92H/SW-94; *B.C. Mines & Pet. Res.*, GEM, 1975, p. E 64; Assessment Reports 5349, 5415, 5427, 6166.

I AM (Fig. E-1, NTS 92H, No. 70)

LOCATION: Lat. 49° 22' Long. 121° 54' (92H/5W)

NEW WESTMINSTER M.D. Approximately 11 kilometres northwest of Harrison Hotsprings and 2 kilometres northwest of Weaver Lake.

CLAIMS: I AM 1 to 4, 9 to 24, SIR 4, SIR 5 and 6 Fractions, MARY J 1 to 4, DOT 1 to 3.

OWNER: AMAX POTASH LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.

METALS: Copper, zinc, lead.

DESCRIPTION: The claims lie within a section of moderately and southerly dipping volcanic rocks and overlying volcanoclastic sedimentary rocks of the Jurassic Harrison Lake Formation. A band of rhyolite hosts minor zinc-copper-lead-pyrite mineralization in vugs, fractures, and disseminated patches.

1976

(92H/6W)

WORK DONE: Topographic map preparation and surface geological mapping, 1:4800; linecutting, 14.4 kilometres; induced polarization survey, 2.4 kilometres; geochemical survey, 25 rock samples, covering I AM, Mary J, and Dot.

REFERENCES: Mineral Inventory 92H/SW-83; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, p. 265; 1975, p. E 63; Assessment Reports 3440, 5597, 6164.

STEVEN (Fig. E-1, NTS 92H, No. 22)

LOCATION: Lat. 49° 27' Long. 121° 15.5' (92H/6W)
NEW WESTMINSTER M.D. Fifteen kilometres northeast of Hope, east of Coquihalla River and north of Sowaqua Creek.

CLAIM: STEVEN (1 unit).

OWNER: R. J. FULBROOK, RR 3, Vernon V1T 6L6.

DESCRIPTION: Attempts were made by stripping and pit digging to uncover the western contact at the Coquihalla serpentine belt.

WORK DONE: Removing overburden plus test holes.

FRANK (Fig. E-1, NTS 92H, No. 12)

LOCATION: Lat. 49° 26' Long. 121° 28.5' (92H/6W)
NEW WESTMINSTER M.D. Five kilometres north of Hope, along and south of American Creek.

CLAIMS: FRANK (10 units), DICK (9 units).

OWNER: F. Lang.

OPERATOR: F. HOLCAPEK, 107, 325 Howe Street, Vancouver.

METAL: Copper.

DESCRIPTION: The claims are underlain by Chilliwack Group quartzites and conglomerates intruded by granite and serpentine.

WORK DONE: 1975 — geochemical silt survey, 40 samples analysed for heavy metals;
1976 — surface geological mapping, 1:5000, covering all claims.

REFERENCE: Assessment Report 5922.

EVE, TAX (Fig. E-1, NTS 92H, No. 13)

LOCATION: Lat. 49° 28.5' Long. 121° 15.5' (92H/6W)
NEW WESTMINSTER M.D. Sixteen kilometres northeast of Hope, at the junction of Coquihalla River and Fifteen Mile Creek.

CLAIMS: EVE 1 and 2, TAX 51 to 66, G 1 and 2, GWH 2, N 22 to 29.

OWNER: MOUNTAIN PASS MINES LTD., 850 West Hastings Street, Vancouver.

METAL: Nickel.

DESCRIPTION: Ultramafic rocks cut diorite and sedimentary rocks.

WORK DONE: Petrographic study of composite sample from N 25 claim.

REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, p. 266; 1972, p. 116; 1975, p. E 67; Assessment Reports 2999, 3000, 3620, 5486, 5916.

EMANCIPATION (Fig. E-1, NTS 92H, No. 11)

LOCATION: Lat. $49^{\circ} 30'$ Long. $121^{\circ} 15'$ (92H/6W, 11W)
 NEW WESTMINSTER M.D. Seventeen kilometres northeast of Hope, on the west side of the Coquihalla River, 2.5 kilometres north of Jessica station.

CLAIMS: HOPE 1 to 32, Mineral Lease M-35 (Lots 1299 and 1300).

OWNER: AQUARIUS RESOURCES LTD., c/o Cochrane Consultants Ltd., 4882 Delta Street, Delta.

METALS: Gold, silver.

DESCRIPTION: The property is adjacent to the east of Hozameen fault and Coquihalla serpentine band. The largest portion of the property, and on the east side, is underlain by Ladner slates. The west side of the property is underlain by serpentine and Hozameen Group rocks. Arsenopyrite, pyrite, and pyrrhotite occur in breccia and as a vein deposit.

WORK DONE: Surface geological mapping, approximately 3 square kilometres; line-cutting, 31 kilometres; geochemical soil survey, 31 line-kilometres, covering all claims; geochemical orientation (four bulldozer trenches), covering Hope 23 and 25; ground magnetometer survey, 20 line-kilometres covering north section of property.

REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, p. 266; 1974, p. 113; 1975, p. E 67; Assessment Reports 3015, 4930, 5440, 5870.

LAKE (Fig. E-1, NTS 92H, No. 9)

LOCATION: Lat. $49^{\circ} 26'$ Long. $121^{\circ} 14'$ (92H/6E)
 NEW WESTMINSTER M.D. Sixteen kilometres east-northeast from Hope on Big Serpentine Lake.

CLAIMS: LAKE 1 to 5.

OWNER: CAROLIN MINES LTD., 811, 850 West Hastings Street, Vancouver.

WORK DONE: Magnetometer survey, 4.3 kilometres covering all claims.

REFERENCE: Assessment Report 5789.

KING (RICH HILL MINES) (Fig. E-1, NTS 92H, No. 10)

LOCATION: Lat. $49^{\circ} 28.5'$ Long. $121^{\circ} 14.5'$ (92H/6E)
 NEW WESTMINSTER M.D. Seventeen kilometres northeast of Hope, on the north side of Dewdney Creek and 1 kilometre east of the Coquihalla River.

CLAIMS: KING 11 to 14.

OWNER: RICH HILL MINES LTD., 216, 850 West Hastings Street, Vancouver.

DESCRIPTION: The claims are mainly underlain by pelitic schists of the Ladner Group. The southwestern corner of the claim block appears to border the fault contact with the serpentine belt of rocks. Surface mineralization consists of pyrite within the pelitic schist.

1976

(92H/7)

WORK DONE: VLF EM survey, 10.2 kilometres; geochemical soil survey, 308 samples analysed for gold, covering King 11-14.
REFERENCE: Assessment report 5923.

SILVERTIP (Fig. E-1, NTS 92H, No. 67)

LOCATION: Lat. 49° 16' Long. 120° 45' (92H/7)
SIMILKAMEEN M.D. Twenty-six kilometres southwest of Princeton, on Whipsaw Creek.
CLAIMS: SILVERTIP 1 and 2, OK 1 to 5, THREE FORKS, CONTACT 3, CONTACT 1 to 4, 10 Fractions, M 1, M 3 and 4 Fractions, Mineral Lease M-30 (Lots 172 and 1549 to 1556).
OPERATOR: SILVERTIP EXPLORATIONS LTD., Princeton.
METALS: Gold, silver, copper, lead, zinc, cadmium.
DESCRIPTION: Veins containing galena, sphalerite, chalcopyrite, tetrahedrite, argentite, bornite, and pyrite occur in chlorite and amphibolite schists.
WORK DONE: Underground work (adit), 75 metres.
REFERENCES: Mineral Inventory 92H/SE-120; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, p. 272; 1972, p. 118; 1975, p. E 68; *Geol. Surv., Canada*, Mem. 243, pp. 102-104.

WEL (Fig. E-1, NTS 92H, No. 4)

LOCATION: Lat. 49° 23' Long. 120° 53' (92H/7W)
SIMILKAMEEN M.D. Twenty-nine kilometres west-southwest of Princeton, surrounding Wells Lake which drains to the west into the Tulameen River.
CLAIMS: WEL 1 to 30, WEL 31 (units 1 to 12), WEL 32 (units 1 to 12).
OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 801, 161 Eglinton East, Toronto, Ontario M4P 1J5.
METALS: Copper, molybdenum.
DESCRIPTION: Eagle granodiorite ranges from biotite metasedimentary rock to unfoliated granodiorite. Late phases are quartz-K-feldspar-muscovite-pegmatites/aplites. Late vein systems, with and without dominant quartz, contain chalcopyrite, pyrite, molybdenite, and magnetite.
WORK DONE: Surface geological mapping, 1:4800, covering Wel 21-30, Wel 31 (12 units), and Wel 32 (12 units); geochemical survey, 250 soil samples and 20 rock samples, covering Wel 31 (12 units) and Wel 32 (12 units).
REFERENCES: Mineral Inventory 92H/SE-136; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 114; Assessment Reports 3182, 5564, 5992.

COPPER MOUNTAIN (Fig. E-1, NTS 92H, No. 64)

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.

1976

(92H/8E; 82E/5W)

- CLAIMS: Mineral Leases M-39, M-40, M-42, M-44 to M-47, M-49, M-59, and M-66, 41 Crown-granted claims including ALABAMA (Lot 2429), DUKE OF YORK (Lot 63S), and FALUM (Lot 416S), plus approximately 50 located claims including QUEEN, ELEPHANT, BEM, etc.
- OWNER: NUFORT RESOURCES INC., 908, 330 Bay Street, Toronto, Ontario M5H 2S8.
- METALS: Copper, silver, gold, iron.
- DESCRIPTION: The property is underlain by volcanic rocks of the Nicola Group except for an area east of Wolf Creek lying within the Voigt stock. In the Nicola Group, mineralization is disseminated pyrite, chalcopyrite, and minor bornite; while in the Voigt stock hematite and magnetite occur frequently with pyrite and chalcopyrite; in places the gold content is significant.
- WORK DONE: Trenching and stripping (D-8 bulldozer), 906 metres by 5 metres by 1.5 metres on Bem 1-8 and 526 metres by 5 metres by 1.5 metres on Queen Bee, Queen A, Queen C, and Brian H Fractions.
- REFERENCES: Mineral Inventory 92H/SE 7 to 9, 12 to 22, 31, 107, 116, and 118; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1970, p. 385; *Geol. Surv., Canada*, Mem. 171; 243.

OREGON (FRENCH) (Fig. E-1, NTS 92H, No. 5)

- LOCATION: Lat. 49° 20' Long. 120° 01' (92H/8E; 82E/5W)
OSOYOOS M.D. Five kilometres southeast of Hedley, east of the Similkameen River and north of Winters Creek.
- CLAIMS: SAVAGE (Lot 704S), HOPE (Lot 112S), OREGON (Lot 703S), TAT, NAL, KEY, TWO SISTERS, OREGON, WINCHESTER, SUN, MOON (Lots 3870S to 3877S) Crown-granted claims, plus DOT, MAYFLY, WASP, and CENTIPEDE located claims.
- OWNER: G. I. Burr.
- OPERATOR: GROVE EXPLORATIONS LTD., 2002, 1055 West Georgia Street, Vancouver V6E 3P3.
- METALS: Gold, silver, copper.
- DESCRIPTION: The orebodies of Nickel Plate Mountain, which include the French mine properties within its southeastern extended lower slopes, occur in garnet-pyroxene skarn ore, in more or less silicated limestone and related limy sedimentary rocks. These ore beds, like the Nickel Plate structures, are strongly folded to crumpled along a westerly to northwesterly trending axis.
- WORK DONE: Geological mapping (previous mine workings) covering Oregon (Lot 3874S), Oregon (Lot 703S), and Hope (Lot 112S); geochemical survey, 36 rock samples on Oregon (Lot 703S); electromagnetic and induced polarization survey covering Nal (Lot 3871S), Tat (Lot 3870S), Hope

1976

(92H/8E)

(Lot 112S), Oregon (Lot 703S), Oregon (Lot 3874S), Winchester (Lot 3875S), and Sun (Lot 3876S); drilling, blasting, and trenching, 900 metres, on Oregon (Lot 703S).

REFERENCES: Mineral Inventory 92H/SE-59; *Minister of Mines, B.C.*, Ann. Rept., 1959, pp. A47, 55; 1960, pp. A53, 57.

HED (Fig. E-1, NTS 92H, No. 6)

LOCATION: Lat. 49° 21' Long. 120° 09' (92H/8E)

SIMILKAMEEN M.D. Four kilometres west of Hedley, south of the Similkameen River and west of Henri Creek.

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

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

METALS: Gold, zinc.

DESCRIPTION: Quartz-carbonate-pyrite-arsenopyrite veins carry gold and sphalerite. The veins cut a succession of argillites, turbidites, chert, limestone, and slump breccias, which are cut by hornblende porphyry and felsite dykes.

WORK DONE: Surface geological mapping, 1:4800 and geochemical survey, 265 soil samples analysed for gold and arsenic, covering all claims; surface diamond drilling, three BQ holes totalling 240 metres, on Hed 1; road construction (drill site preparation), 600 metres on Hed 3 (units 1, 16, 17).

REFERENCES: Mineral Inventory 92H/SE-138; Assessment Report 6060.

FREDDY B (Fig. E-1, NTS 92H, No. 68)

LOCATION: Lat. 49° 32' Long. 120° 25' (92H/9W)

SIMILKAMEEN M.D. Ten kilometres northeast of Princeton, on Hayes Creek just above the junction with Collett Creek.

CLAIM: FREDDY B.

OWNER: ALEXANDER MITCHELL, Box 1571, Princeton.

METAL: Copper.

DESCRIPTION: The area of interest is an apparent shear zone related to the final emplacement of the Eagle granodiorite which is in contact with Nicola volcanic rocks.

WORK DONE: Prospecting; chip samples analysed for copper, covering Freddy B.

REFERENCES: Mineral Inventory 92H/NE-141; Assessment Report 6157.

TUK (Fig. E-1, NTS 92H, No. 15)

LOCATION: Lat. 49° 39' Long. 120° 27.5' (92H/9W)

SIMILKAMEEN M.D. Twenty-one kilometres north of Princeton, on Swanson Creek.

1976

(92H/9W)

CLAIM: TUK (15 units).
OWNERS: L. Trenholme and Estey Agencies Ltd.
OPERATOR: COPPER LAKE EXPLORATIONS LTD., 3204 West Broadway,
Vancouver.
WORK DONE: 1975 and 1976 — prospecting covering TUK (15 units).
REFERENCE: Assessment Report 5970.

MUF (Fig. E-1, NTS 92H, No. 14)

LOCATION: Lat. 49° 40' Long. 120° 28' (92H/9W)
SIMILKAMEEN M.D. Twenty-three kilometres north of Princeton,
east of Rampart Lake.
CLAIM: MUF (20 units).
OWNER: CONSOLIDATED KALCO VALLEY MINES LTD., 511, 850 West
Hastings Street, Vancouver V6C 1E1.
WORK DONE: Percussion drilling, five holes, totalling 255 metres; one hole completely
in overburden.
REFERENCE: Assessment Report 5971.

LP (Fig. E-1, NTS 92H, No. 17)

LOCATION: Lat. 49° 35' Long. 120° 37' (92H/10E)
SIMILKAMEEN M.D. Sixteen kilometres north-northwest of
Princeton at the headwaters of Knudson Creek.
CLAIMS: LP 5 to 14.
OWNER: AVALANCHE INDUSTRIES LTD., 904, 510 West Hastings Street,
Vancouver.
DESCRIPTION: Spences Bridge rhyolite and andesite breccia underlie the northeastern
half of LP 9 to 12 and are succeeded to the southwest by massive
andesite. Pyritic rhyolite porphyry is exposed in the extreme northwest
corner.
WORK DONE: Topographic mapping, 1:2400, covering LP 5-14.
REFERENCES: B.C. Dept. of Mines & Pet. Res., GEM, 1972, p. 129; 1973, p. 140;
1975, p. E 71; Assessment Reports 3599, 4231, 4848, 5418, 5856.

RUM (Fig. E-1, NTS 92H, No. 16)

LOCATION: Lat. 49° 44' Long. 120° 32' (92H/10E)
SIMILKAMEEN M.D. Thirty-one kilometres north of Princeton, 4
kilometres southwest of the south end of Missezula Lake.
CLAIMS: RUM 299 to 316, 319, 321 to 325, 459, 461 to 473.
OWNER: RUSKIN DEVELOPMENTS LTD., 1819 Leabrook Place, Victoria.
METAL: Copper.
DESCRIPTION: A 3 000 by 600-metre sill-like body of hornblende-augite microdiorite,
probably related to flow rocks it has intruded, occupies the middle of
the property. The stock is truncated on its east side by the Missezula

1976

(92H/11W)

Mountain fault and is encompassed by a variety of steeply dipping sedimentary and pyroclastic rocks east of the fault and volcanic rocks to the west. Adjacent to the prominent north-south trending faults, rocks are highly fractured and are usually pyrite with traces of chalcopyrite, bornite, and chalcocite.

WORK DONE: Geochemical survey, 428 soil samples covering most of the Rum claims.

REFERENCES: Mineral Inventory 92H/NE-99; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, p. 231; Assessment Reports 3365, 6036.

NORM (Fig. E-1, NTS 92H, No. 20)

LOCATION: Lat. 49° 32' Long. 121° 20' (92H/11W)

NEW WESTMINSTER M.D. Twenty kilometres north-northeast of Hope, the claims straddle the divide between Siwash Creek to the north and Qualark Creek to the south.

CLAIMS: NORM 1 to 4.

OWNER: E. N. ASCROFT, 1878 West 37th Avenue, Vancouver.

METAL: Gold.

DESCRIPTION: The Norm claims straddle a serpentine band and a basic extrusive/intrusive complex which include altered metamorphic rocks. Carbonate rock, prominent on Spider Peak, is cut by a network of quartz-carbonate stringers which have the appearance of a spider's web, hence the name of the peak.

WORK DONE: Preliminary geological mapping; geochemical soil survey, 38 samples analysed for gold, covering Norm 1.

REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 73; Assessment Reports 5617, 6000.

US (Fig. E-1, NTS 92H, No. 18)

LOCATION: Lat. 49° 32' Long. 121° 20' (92H/11W)

NEW WESTMINSTER M.D. Eighteen kilometres north-northeast of Hope on Qualark Creek.

CLAIM: US (6 units).

OWNER: G. Giroux.

OPERATOR: CAROLIN MINES LTD., 5658 Ninth Avenue, Delta.

WORK DONE: Four hand pits, each 2 metres long and 2-3 metres deep, on Qualark (Hillsbar) and Arsenic Creeks; microscopic examination of pan concentrates from pits, covering US (2 units).

REFERENCE: Assessment Report 6115.

1976

(92H/11W)

STEM (Fig. E-1, NTS 92H, No. 21)

LOCATION: Lat. 49° 32.5' Long. 121° 18' (92H/11W)
NEW WESTMINSTER M.D. Twenty kilometres north-northeast of Hope, on the headwaters of the south branch of Siwash Creek.

CLAIMS: STEM 1 to 12.

OWNER: LONGBAR MINERALS LTD., c/o Cochrane Consultants Ltd., 4882 Delta Street, Delta.

METAL: Gold.

DESCRIPTION: The claims lie east of the Coquihalla serpentine band, and entirely within the Jurassic Ladner slate sequence, a thick sedimentary pile of argillites, greywackes, and slates. The Ladner slates are host rocks to replacement-type gold deposits.

WORK DONE: 1975 — VLF EM and magnetometer survey, 3.8 line-kilometres and geochemical survey, 250 soil samples analysed for gold, covering Stem 1 to 8.

REFERENCE: Assessment Report 5907.

SPUZ (Fig. E-1, NTS 92H, No. 19)

LOCATION: Lat. 49° 37' Long. 121° 22' (92H/11W)
NEW WESTMINSTER M.D. Twenty-five kilometres north of Hope and about 2 kilometres east of the Fraser River.

CLAIMS: SPUZ A (10 units), SPUZ B (12 units), MAJ (12 units).

OWNER: David W. Murphy.

OPERATOR: LONGBAR MINERALS LTD., c/o Cochrane Consultants Ltd., 4882 Delta Street, Delta.

DESCRIPTION: The claims straddle the Coquihalla serpentine band and Hozameen fault which marks the west boundary of the Methow graben, a major crustal feature separating Upper Jurassic Ladner Group slates from Paleozoic Hozameen Group cherts and metavolcanic rocks.

WORK DONE: Geochemical survey, 175 silt samples, 4 rock chip samples, 6 pan samples, and 458 soil samples analysed for gold, covering all claims.

REFERENCE: Assessment Report 6046.

PAT (Fig. E-1, NTS 92H, No. 23)

LOCATION: Lat. 49° 55' Long. 121° 16' (92H/14W)
NICOLA M.D. Fourteen kilometres northeast of Boston Bar, 1 kilometre north of Spius Creek.

CLAIM: PAT 1 (4 units).

OWNER: M. P. Henrick.

OPERATOR: CANADIAN OCCIDENTAL PETROLEUM LTD., 801, 161 Eglinton Avenue East, Toronto, Ontario.

METALS: Copper, molybdenum.

DESCRIPTION: The Pat claim is underlain by the Eagle granodiorite, a major 160-kilometre-long intrusive complex trending northwest through

1976

(92H/15E)

central British Columbia. The main rock types on the claim are foliated quartz diorite, granodiorite, feldspar porphyry, and quartz-feldspar porphyry. These are intruded by a series of felsic dykes and pegmatite and quartz veins, some of which are mineralized.

WORK DONE: Surface geological mapping, 1:4800 and geochemical survey, 200 soil and silt samples analysed for copper and molybdenum, covering Pat 1 (4 units).

REFERENCES: Mineral Inventory 92H/NW-27; Assessment Report 6145.

BLUEY (Fig. E-1, NTS 92H, No. 25)

LOCATION: Lat. 49° 53' Long. 120° 35' (92H/15E)
NICOLA M.D. Eight kilometres south-southeast of Aspen Grove, 1 kilometre northwest of Bluey Lake.

CLAIMS: BLUEY (6 units), BALSAM Fraction (1 unit).

OWNER: FRED GINGELL, 4306 Dawson Street, Burnaby.

METAL: Copper.

DESCRIPTION: Mineralization occurs as fracture coatings of chalcopryite and malachite and as semi-massive stringers and blebs of bornite, chalcocite, and magnetite in volcanic flows related to monzonite dykes and diorite or dioritized volcanic rocks.

WORK DONE: Geochemical survey, 239 soil samples analysed for copper and silver and VLF EM survey, approximately 7 line-kilometres covering all claim units.

REFERENCES: Mineral Inventory 92H/NE 87, 89; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, pp. 140, 141; Assessment Reports 4081, 4082, 5908.

HALO, BROATCH (Fig. E-1, NTS 92H, No. 26)

LOCATION: Lat. 49° 57' Long. 120° 35' (92H/15E)
NICOLA M.D. Three kilometres northeast of Aspen Grove.

CLAIMS: HALO 1 to 6, HALO Fraction, HALO 2 Fraction, BROATCH 1 to 4, TOUCH 1 to 16, TOP 1 and 2, MAGNUS 1 to 6, VIN 1 Fraction, RAM A 1, RAM 1 to 6, CHALCO 1 to 3, LOU 11 to 14, SNO 1 and 2 Fractions, EX 1 and 2, EX Fraction.

OWNER: DAVID MINERALS LTD., 4882 Delta Street, Delta.

METAL: Copper, iron.

DESCRIPTION: Of economic interest on the property is the Big Kidd breccia consisting of altered brecciated diorite, with silicification, carbonitization, and sections mineralized with magnetite, pyrite, chalcopryite, bornite, and chalcocite.

WORK DONE: Induced polarization survey, 4 lines covering Touch 2, 4, 6, 8; surface diamond drilling, three EX holes, totalling 62.4 metres on Halo 6 and Touch 2; mineralographic study of nine polished sections from the three EX holes.

1976

(92H/15E)

REFERENCES: Mineral Inventory 92H/NE-71 to 75; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 138; 1975, pp. E 77, E 78; Assessment Reports 1620, 1827, 3512, 5719, 5849, 5944.

TAB, BLUEJAY (Fig. E-1, NTS 92H, No. 24)

LOCATION: Lat. 49° 58' 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).

OWNER: FRED GINGELL, 4306 Dawson Street, Burnaby.

METALS: Copper, silver.

DESCRIPTION: Native copper, chalcopryite, and chalcocite with pyrite, magnetite, hematite, and malachite are disseminated in diorite or dioritized volcanic rocks related to a monzonite plug.

WORK DONE: Geochemical survey, 336 soil samples analysed for copper and silver and VLF EM survey, 16 line-kilometres, covering Snowflake and Snowflake 2.

REFERENCES: Mineral Inventory 92H/NE-52, 105; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, p. 286; 1973, pp. 158, 159; Assessment Reports 250, 1842, 3115, 3555, 5875.

KATHLEEN MOUNTAIN (Fig. E-1, NTS 92H, No. 27)

LOCATION: Lat. 49° 46' Long. 120° 06' (92H/16E)
SIMILKAMEEN M.D. Fourteen kilometres south-southwest of the Brenda mine, on the west slope of Kathleen Mountain.

CLAIMS: LEAP 1 to 20.

OWNER: EXEL EXPLORATIONS LTD., 5, 6112 Willow Street, Vancouver.

METALS: Copper, gold, silver, iron.

DESCRIPTION: The workings and diamond drilling have been confined to the Otter granite, a greenish rock with fair amounts of chlorite. The fracturing, alteration, and mineralization all occur entirely within the Otter granite. A siderite vein contains quartz, minor amounts of pyrite and chalcopryite, as well as minor values in gold and silver.

WORK DONE: Surface diamond drilling, five holes totalling 172.2 metres on Leap 1.

REFERENCES: Mineral Inventory 92H/NE-34; *Geol. Surv., Canada*, Mem. 243, pp. 110, 111; Assessment Reports 4896, 5932.

ASHCROFT 92I**MINT (Fig. E-1, NTS 92I, No. 30)**

LOCATION: Lat. 50° 02' Long. 120° 31' (92I/2E)
 NICOLA M.D. Twenty kilometres east-southeast of Merritt, on Quilchena Creek immediately south and southeast of Indian Reserve 7.

CLAIMS: QUIL 1 to 16, QUIL 17 (8 units), QUIL 18 (6 units), QUIL 19 (6 units).

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

METALS: Copper, molybdenum.

DESCRIPTION: To the west stratified drift lies on a flow of valley basalt, which overlies Coldwater conglomerates and sandstones. The Coldwater conglomerates contain clasts of Nicola volcanic and Jurassic plutonic rocks. To the east the Quilchena pluton is a porphyritic quartz monzonite with overlapping hydrothermal alteration zones with kaolin and quartz-K-feldspar. With the latter are associated chalcopyrite, pyrite, and molybdenite in a zonal pattern.

WORK DONE: Linecutting, 57.9 kilometres; surface geological mapping, 1:4800; geochemical survey, 908 soil samples, 92 pit soil samples, and 26 rock samples; ground magnetometer survey, 56 kilometres; and induced polarization survey, 10.5 kilometres, covering Quil 3, 5, 7, 17, 18, 19; surface diamond drilling, five holes totalling 783 metres on Quil 18 (units 1, 2, 15, 16, 17); road construction (drill site preparation), 600 metres on Quil 18.

REFERENCES: Mineral Inventory 92I/SE-84; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1969, p. 274; 1975, p. E 79; Assessment Reports 1034 (Joe, Toad), 5675, 5984.

ELL (BELL) (Fig. E-1, NTS 92I, No. 29)

LOCATION: Lat. 50° 03' Long. 120° 41' (92I/2E)
 NICOLA M.D. Ten kilometres southeast of Merritt and 1 kilometre southeast of Garcia Lake.

CLAIM: TT (4 units).

OWNER: T. R. Touch

OPERATOR: RUSKIN DEVELOPMENTS LTD., 1819 Leabrook Place, Victoria.

METALS: Copper, zinc, silver.

DESCRIPTION: The property is almost totally underlain by Nicola Group greenstones, andesites, feldspar porphyry, flow breccia, microdiorite, argillite, and limestone. Mineralization, mainly pyrite, chalcopyrite and sphalerite, is found in a shear zone striking north 15 degrees west across a major fault system.

WORK DONE: Geochemical survey, 617 soil samples analysed; VLF EM survey, 18.2 line-kilometres, covering TT (4 units).

REFERENCES: Mineral Inventory 92I/SE-82; Assessment Report 6041.

1976

(92I/2E)

RALPH (Fig. E-1, NTS 92I, No. 28)

LOCATION: Lat. 50° 06' Long. 120° 40' (92I/2E)
NICOLA M.D. Eight kilometres east of Merritt on Hamilton Creek.
CLAIMS: COPPER 1 to 4, COPPER (4 units)
OWNER: MARCO RESOURCES LIMITED, 3, 1264 West Pender Street,
Vancouver V6E 2S8.
METAL: Copper.
DESCRIPTION: Bornite, malachite, pyrite, and magnetite mineralization is found in tightly folded and altered sedimentary rocks of the Nicola Group. It is also found in associated andesites and rhyolites.
WORK DONE: Trenching, 22 square metres, covering Copper 1.
REFERENCES: Mineral Inventory 92I/SE-122; Assessment Report 356.

COPPERADO (Fig. E-1, NTS 92I, No. 76)

LOCATION: Lat. 50° 12' Long. 120° 36' (92I/2E)
NICOLA M.D. Four kilometres northeast of Nicola between Clapperton Creek and the west end of Nicola Lake.
CLAIMS: TOL 1 (4 units), TOL 2 (4 units), A 1 to 12, TM 2, 4, 6, 8, MAR 1 to 4, 6 to 20, TURLIGHT (Lot 4841).
OWNER: Copperstar Mines Ltd.
OPERATOR: DANSTAR MINES LTD., 704, 525 Seymour Street, Vancouver V6B 3H7.
METALS: Copper, molybdenum, silver.
DESCRIPTION: Two areas were drilled. One covered an irregular contact between granite and granodiorite of the Nicola batholith. Copper, molybdenum, and silver are found along and near this contact. The second area covered a contact between granodiorite and volcanic rocks and between granodiorite and granite. Here, bornite and chalcopyrite are found in low concentrations over a wide area.
WORK DONE: Percussion drilling, six holes totalling 574.5 metres on TM 6 and TURLIGHT.
REFERENCES: Mineral Inventory 92I/SE-55, 123 to 125; *Minister of Mines, B.C., Ann. Rept., 1949*, pp. 115-120; 1967, pp. 167, 168; Assessment Reports 186, 425, 503, 6179.

VAL, JUSTICE (Fig. E-1, NTS 92I, No. 75)

LOCATION: Lat. 50° 09' Long. 120° 46' (92I/2W)
NICOLA M.D. Four kilometres north of Merritt.
CLAIMS: JE 1 to 4 (20 units each), JE 5 (16 units), JE 6 (3 units), JE 7 (20 units), JE 8 (4 units).
OWNER: Corbin J. Robertson.
OPERATOR: QUINTANA MINERALS CORPORATION, 1215, Two Bentall Centre, Vancouver V7X 1M9.

METALS: Copper, zinc, iron.
WORK DONE: Magnetometer survey, 158 kilometres covering JE 1, 4, 6, and 8.
REFERENCES: Mineral inventory 92I/SE-44, 45, 64, 83; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 145; Assessment Reports 1799, 6132.

RAD (Fig. E-1, NTS 92I, No. 74)

LOCATION: Lat. 50° 16' Long. 121° 34' (92I/5E)
 KAMLOOPS M.D. Five kilometres north-northeast of Lytton on Botanie Creek.
CLAIMS: RAD 1 to 6, RADCO, totalling approximately 75 units.
OWNERS: PAUL POLISCHUK, Box 466, Lillooet and HIGHLAND LODGE MINES LTD., 728, 510 West Hastings Street, Vancouver.
DESCRIPTION: The property is underlain by gneiss of Triassic or earlier age, acidic intrusive rocks of the Mount Lytton batholith of Early Cretaceous or earlier age, and by volcanic and sedimentary rocks of the Kingsvale Group of Early Cretaceous age.
WORK DONE: Radiometric survey covering Rad 1 (20 units) and Rad 2 (12 units); surface diamond drilling, three holes totalling 68.4 metres on Rad 1.
REFERENCES: Assessment Reports 6118, 6131.

T (Fig. E-1, NTS 92I, No. 31)

LOCATION: Lat. 50° 15' Long. 121° 23' (92I/6W)
 KAMLOOPS M.D. Fourteen kilometres east-northeast of Lytton, south of the Thompson River and west of the Nicoamen River.
CLAIM: B (15 units).
OWNER: L. Bourgh.
OPERATOR: GRANGES EXPLORATION AKTIEBOLAG, 1060, 1055 West Hastings Street, Vancouver.
METAL: Copper.
DESCRIPTION: Malachite staining is found in altered shear zones in Triassic schists and gneisses.
WORK DONE: Reconnaissance geological mapping; linecutting, 22 kilometres; magnetometer survey, 22 line-kilometres; geochemical survey, 361 soil samples, covering B claim.
REFERENCES: Mineral Inventory 92I/SW-35; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1969, p. 241; Assessment Reports 2532, 2533.

BEAR (Fig. E-1, NTS 92I, No. 32)

LOCATION: Lat. 50° 25' Long. 121° 03' (92I/6E, 7W)
 KAMLOOPS M.D. Twenty kilometres east of Spences Bridge, on the headwaters of Skuhost Creek.
CLAIMS: BEAR 1 to 20 (171 units), BEAR Fraction.

1976

(921/6E)

OWNER: LORNEX MINING CORPORATION LTD., Box 1500, Logan Lake.
METALS: Copper, molybdenum.
DESCRIPTION: The area has been mapped as Bethsaida quartz monzonite, which is a younger phase of the Guichon Creek batholith. Copper mineralization occurs as fracture fillings.
WORK DONE: Induced polarization survey, 22.2 line-kilometres, covering Bear 2, 5, 7, 9, and 19; surface diamond drilling, three NQ holes on Bear 5, 9, and 10.

LOREX (Fig. E-1, NTS 921, No. 34)

LOCATION: Lat. 50° 25' Long. 121° 05' (921/6E)
KAMLOOPS M.D. Highland Valley, 19 kilometres east of Spences Bridge and immediately north of Pimainus Lake.
CLAIMS: LOREX 101 to 118, 123 to 142, ROSS 1, 2, and 4 Fractions.
OWNER: LORNEX MINING CORPORATION LTD., 202, 580 Granville Street, Vancouver.
METAL: Copper.
DESCRIPTION: The claims are underlain by the Bethsaida phase of the Upper Triassic Guichon Creek batholith. The rock types of the batholith include diorite, quartz diorite, granodiorite, quartz monzonite, and porphyries. Copper mineralization, generally with associated weak argillic alteration, consists of secondary malachite as well as chalcopyrite and bornite.
WORK DONE: 1975 and 1976 — geological mapping and magnetometer and control surveys covering all claims.
REFERENCES: Mineral Inventory 921/SW-69; Assessment Report 5888.

ROYAL (Fig. E-1, NTS 921, No. 36)

LOCATION: Lat. 50° 27.5' Long. 121° 05' (921/6E)
KAMLOOPS M.D. Highland Valley, centred 1.5 kilometres southeast of Calling Lake and immediately west of the Lornex property.
CLAIMS: ROYAL 2, 4, 6, 8, 10, 12 to 40, ROYAL A, B, and C Fractions, RC 1 to 4, CANA 9 and 10.
OWNER: Pan Ocean Oil Ltd.
OPERATOR: TRANS WEST MINERALS LTD., 2060, 200 Granville Street, Vancouver.
METAL: Copper.
DESCRIPTION: The property is underlain primarily by Bethsaida phase granodiorite-quartz monzonite of the Guichon Creek batholith. Some later quartz porphyry dykes cut this rock in a few places. Minor occurrences of pyrite and chalcopyrite are found in the northeast corner of the property and over a small area east of O.K. Lake.

1976

(921/7W)

WORK DONE: Percussion drilling, five holes totalling 450 metres on Royal 8, 15 and Royal B Fraction.

REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, pp. 170, 171; 1975, pp. E 81, E 82; Assessment Reports 5715, 5975.

CAPER (Fig. E-1, NTS 921, No. 42)

LOCATION: Lat. 50° 20' Long. 120° 53' (921/7W)
NICOLA M.D. Twenty-four kilometres north of Merritt, 3 kilometres from Guichon Creek, on Broom Creek.

CLAIM: CAPER (9 units).

OWNER: H. H. SHEAR, Box 159, Greenwood.

METAL: Copper.

DESCRIPTION: Copper carbonates occur in shear and fault zones in granodiorite.

WORK DONE: Deepening prospect shaft from 3 metres to 8 metres.

REFERENCES: Mineral Inventory 921/SE-21, 22; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, pp. 173, 174; 1975, p. E 82.

ROB, ORO (Fig. E-1, NTS 921, No. 39)

LOCATION: Lat. 50° 21' Long. 120° 58' (921/7W)
KAMLOOPS M.D. Twenty-two kilometres north-northwest of Lower Nicola, 5 kilometres southwest of Chataway Lake, on the western headwaters of Skuhun Creek.

CLAIM: JANE (20 units).

OWNER: GRANDORA EXPLORATIONS LTD., 101, 325 Howe Street, Vancouver.

METAL: Copper.

DESCRIPTION: The claims are underlain by quartz monzonites of the Bethsaida phase of the Guichon Creek batholith.

WORK DONE: Grid preparation; surface geological mapping, 1:6000; electromagnetic survey, 24 line-kilometres, covering Jane (20 units).

REFERENCES: Mineral Inventory 921/SE-146; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 137; Assessment Reports 5052, 5996.

CLARKE, CU (Fig. E-1, NTS 921, No. 40)

LOCATION: Lat. 50° 25.5' Long. 120° 59' (921/7W)
KAMLOOPS M.D. Highland Valley, 31 kilometres north-northwest of Lower Nicola, on Gnawed Mountain.

CLAIMS: GNAWED OREBODY, GNAWED BRECCIA, GNAWED AN.

OWNER: Robak Industries Ltd.

OPERATOR: W. R. FINANCIAL CONSULTANTS LTD., 1650, 701 West Georgia Street, Vancouver.

METALS: Copper, molybdenum.

1976

(92I/7W)

WORK DONE: Percussion drilling, eight holes totalling 690 metres on Gnawed Orebody, Gnawed Breccia, Gnawed An.

REFERENCES: Mineral Inventory 92I/SE-14, 77; Assessment Reports 247, 6054.

OLE, PRICE (Fig. E-1, NTS 92I, No. 41)

LOCATION: Lat. 50° 26' Long. 120° 53' (92I/7W)
NICOLA M.D. Thirty-seven kilometres north of Merritt, at Tupper Lake.

CLAIMS: ELF 1 (8 units), ELF 2 (12 units), ELF 3 (12 units), ELF 4 (10 units).

OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver.

METAL: Copper.

DESCRIPTION: The claims cover portions of the eastern margin of the Guichon Creek batholith where the Gump Lake, Hybrid, and Chataway phases outcrop. Pyrite and chalcopyrite occur in minor amounts along fractures and shears.

WORK DONE: Surface geological mapping, 20 kilometres; induced polarization survey, 13 kilometres; and geochemical soil survey, 20 kilometres, covering Elf 2, 3, and 4.

REFERENCES: Mineral Inventory 92I/SE-74; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, p. 347; Assessment Report 6098.

SHEBA (Fig. E-1, NTS 92I, No. 66)

LOCATION: Lat. 50° 27' Long. 120° 58' (92I/7W)
KAMLOOPS M.D. Twenty-seven kilometres east of Spences Bridge, on the north and east slopes of Gnawed Mountain.

CLAIMS: SHEBA 21 to 26, JOY 9, 10, 12 to 20, 101, JOY 104 Fraction, JJ 1 to 8, 11, 31, 32, 41, 42, JJ 1, 2, 33, 34, 38, 40 Fractions, DEC 3 Fraction, DO 1 to 6, DO 1, 3, 4, 6 to 8 Fractions, LYNN 1, 3, 5, LYNN 7, 10 Fractions, DA, VI 1 Fraction, ANN 2, 5, 6, 15, 16, 17 Fractions, CU 1 to 6, 17 to 20, CS 1 Fraction, CS 1, 3.

OWNER: Sheba Copper Mines Ltd.

OPERATOR: WESTERN MINES LIMITED, 1103, 595 Burrard Street, Vancouver V7X 1C4.

METALS: Copper, molybdenum.

DESCRIPTION: Disseminated and quartz vein-controlled chalcopyrite, bornite, and molybdenite occur in altered (chlorite, sericite) Bethlehem and Skeena varieties of the Guichon Creek batholith.

WORK DONE: Percussion drilling, 55 holes totalling 3 130.5 metres on all claims.

REFERENCES: Mineral Inventory 92I/SE-10, 76, 81, 152; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, pp. 348-357; 1972, pp. 163-167; 1973, pp. 175-177; 1974, p. 145.

1976

(92I/7E)

CLAP (Fig. E-1, NTS 92I, No. 38)

LOCATION: Lat. 50° 19' Long. 120° 36' (92I/7E)
NICOLA M.D. Seventeen kilometres north-northeast of Nicola, 3 kilometres east of Clapperton Creek, on the west slope of Mount Mabel.

CLAIMS: CLAP 1 to 18, CLAP 19 (3 units).

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

METAL: Copper.

DESCRIPTION: The property is underlain by hybrid dioritic phases of the Nicola batholith with xenoliths of Nicola (?) volcanic rocks. Aplite dykes of various generations are present. Mineralization appears to be confined to a quartz-chlorite vein system. Minerals present are chalcopyrite, bornite, chalcocite, pyrite, and rarely molybdenite.

WORK DONE: Surface geological mapping, 1:4800 and geochemical survey, 98 soil samples analysed for copper and molybdenum, covering Clap 19 (3 units).

REFERENCES: Mineral Inventory 92I/SE-174 to 177; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 84; Assessment Reports 2715 (Smokie), 5678, 6040.

LAST CHANCE (Fig. E-1, NTS 92I, No. 37)

LOCATION: Lat. 50° 19' Long. 120° 41' (92I/7E)
NICOLA M.D. Seventeen kilometres north of Nicola, 1 kilometre east of Helmer Lake.

CLAIMS: HEL 1 to 4 (12 units each).

OWNER: COMINCO LTD., 2200, 200 Gravelle Square, Vancouver V6C 2R2.

METAL: Copper.

DESCRIPTION: Intermediate volcanic rocks of the Nicola Group are intruded by acidic dykes. Mineralization consists of pyrite, pyrrhotite, and chalcopyrite, associated with skarn minerals along favourable units.

WORK DONE: Surface geological mapping, 20 kilometres; induced polarization survey, 13 kilometres; and geochemical soil survey, 20 kilometres, covering Hel 1-3.

REFERENCES: Mineral Inventory 92I/SE-27; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, p. 294; 1972, pp. 180, 181; Assessment Report 6119.

HIGHMONT (IDE - AM) (Fig. E-1, NTS 92I, No.33)

LOCATION: Lat. 50° 26' Long. 121° 00' (92I/7W, 6E)
KAMLOOPS M.D. On the south side of the Highland Valley, approximately 3 kilometres north-northwest of Gnawed Mountain.

CLAIMS: IDE, AM, NEW IDE, ANN, KEN, LYNN, etc., totalling approximately 46 claims and fractions.

OWNER: HIGHMONT MINING CORP. LTD., 14, 1199 West Hastings Street, Vancouver.

METALS: Copper, molybdenum.

1976

(921/8W)

DESCRIPTION: The Lynn claims are underlain by the Skeena phase of the Guichon Creek batholith. Copper and molybdenum mineralization is associated with northerly trending geophysical and geochemical anomalies.

WORK DONE: Geochemical survey, 271 soil samples analysed for copper and molybdenum and VLF EM survey, 12 line-kilometres covering Lynn 11 - 16.

REFERENCES: Mineral Inventory 921/SE-13, 921/SW-36; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 131; 1975, p. E 83; Assessment Reports 5835, 6158.

MARY REYNOLDS (Fig. E-1, NTS 921, No. 56)

LOCATION: Lat. 50° 20' Long. 120° 20' (921/8W)
NICOLA M.D. Three and one-half kilometres south-southeast of the middle of Stump Lake.

CLAIMS: Mineral Lease M-20R comprising MARY REYNOLDS (Lot 674) and GOLD CUP (Lot 675); Mineral Lease M-19R comprising ROBERT DUNSMUIR (Lot 673); plus the located claims PV 1 (2 units), PV 2 (16 units).

OWNER: PINE VALLEY EXPLORERS LTD., Box 441, Merritt V0K 2B0.

METALS: Gold, silver, lead, zinc, minor 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: Geochemical survey, 773 soil samples analysed for silver and lead and 150 samples analysed for zinc, covering PV 1 and 2.

REFERENCES: Mineral Inventory 921/SE-115; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 186; 1973, p. 190; 1975, p. E 86; Assessment Reports 4412, 6165.

ULLA (Fig. E-1, NTS 921, No. 43)

LOCATION: Lat. 50° 24' Long. 120° 27' (921/8W)
NICOLA M.D. Six kilometres northwest of Stump Lake, 2 kilometres west of Moore Creek, on Deer Creek.

CLAIMS: ULLA 1 to 6.

OWNER: ENVOY RESOURCES LTD., 333, 885 Dunsmuir Street, Vancouver.

METALS: Molybdenum, copper.

DESCRIPTION: The claims lie on the eastern flank of the Moore Creek batholith of Jurassic age. Locally the rocks have been designated as chlorite schist, quartz-mica schist, and amphibolite generally gneissic in character.

WORK DONE: Induced polarization survey, 2 kilometres, covering ULLA 3.

REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 191; 1974, p. 149; Assessment Reports 4322, 4976, 6050.

1976

(92I/9E)

RIVERSIDE (Fig. E-1, NTS 92I, No. 44)

LOCATION: Lat. 50° 41.5' Long. 120° 06' (92I/9E)
KAMLOOPS M.D. Fifteen kilometres east of Kamloops, 3 kilometres south of the summit of Mount Harper, near the headwaters of McGregor Creek.

CLAIM: MAC (6 units).

OWNER: Ian R. McCallum.

OPERATOR: McLEOD COPPER LTD., 13877 – 102nd Avenue, Surrey.

METALS: Gold, silver.

DESCRIPTION: The claim area is underlain by Paleozoic rocks of the Cache Creek Group, consisting mainly of greenstones, andesites, basalts, and argillites. Numerous quartz veining and lime alteration exist in the fractured and sheared greenstones. Gold-silver mineralization is associated with the limy siliceous altered greenstone rock.

WORK DONE: 1975 – surface geological mapping, 1:1200 covering MAC (6 units).

REFERENCES: Mineral Inventory 92I/NE-46; *Minister of Mines, B.C.*, Ann. Rept., 1934, p. D 28 (Goldfield); *Geol. Surv., Canada*, Mem. 249, pp. 69-72; Assessment Report 5889.

CONSTANT (Fig. E-1, NTS 92I, No. 48)

LOCATION: Lat. 50° 36' Long. 120° 16.5' (92I/9W)
KAMLOOPS M.D. Approximately 8 kilometres south-southeast of Kamloops, between Mitchell Lake and Separation Lake.

CLAIMS: MITCHELL 1 (1 unit), MITCHELL 2 (1 unit), MITCHELL 3 (6 units).

OWNER: G. G. Grauer.

OPERATOR: P. ANDREEFF, c/o 575 Richards Street, Vancouver.

METALS: Gold, silver.

DESCRIPTION: With the exception of sparse iron pyrites in what appeared to be andesites, no visible interesting mineralization was located. Geologic formations prospected appeared to be metasedimentary and meta-volcanic rocks, with scattered outcroppings of argillites. Barren small erratic stringers of quartz and bull quartz were encountered. Gold and silver have been reported in early references.

WORK DONE: Prospecting (all claims); geochemical survey, 176 soil samples assayed for gold, covering Mitchell 1 and 2.

REFERENCES: Mineral Inventory 92I/NE-102; *Minister of Mines, B.C.*, Ann. Rept., 1933, p. 195; *Geol. Surv., Canada*, Mem. 249, p. 73; Assessment Reports 5877, 5878.

EVENING STAR, GOLDEN STAR (Fig. E-1, NTS 92I, No. 47)

LOCATION: Lat. 50° 38' Long. 120° 26' (92I/9W)
KAMLOOPS M.D. Eight kilometres west-southwest of Kamloops, at Wallender Lake.

CLAIMS: RED HEAD (6 units), RODA (4 units), RODA 2 (1 unit), KAM (4 units).

1976

(92I/9W)

OWNER: SOVEREIGN METALS CORPORATION, Fifth Floor, 134 Abbott Street, Vancouver V6B 2K4.

METAL: Copper.

DESCRIPTION: Diorite and microdiorite of the Iron Mask Hybrid phase occur in sparse outcrop over much of the claim area. A northwest-trending contact with gently dipping andesites and minor argillite of the Nicola Group crosses the southwestern corner of the property. Minto chalcopyrite with accessory pyrite, magnetite, and hematite occurs in a zone of intensely altered and sheared microdiorite which may be related to faults of the Sugarloaf system.

WORK DONE: Surface geological mapping, 1:4800, covering all claims; magnetic survey, 17 line-kilometres, induced polarization (gradient) survey, 17 line-kilometres, and induced polarization (dipole-dipole, detailed) survey, 8 line-kilometres, covering Roda, Red Head, Kam; surface diamond drilling, five holes totalling 577 metres on Kam.

REFERENCES: Mineral Inventory 92I/NE-7; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, p. 296; Assessment Reports 4013 (X, Lee, Caddie), 5933.

RAINBOW (Fig. E-1, NTS 92I, No. 46)

LOCATION: Lat. 50° 38' Long. 120° 28' (92I/9W)
KAMLOOPS M.D. Ten kilometres west-southwest of Kamloops, on Sugarloaf Hill.

CLAIMS: RAINBOW NE, RAINBOW SE, RAINBOW SW, RAINBOW NW.

OWNER: NAHATLATCH RESOURCES LTD., 202, 850 West Hastings Street, Vancouver.

METALS: Copper, gold, silver, molybdenum.

DESCRIPTION: The Rainbow claims are underlain mainly by rocks of the Iron Mask batholith; however, one corner of the property has an interpreted Nicola-Iron Mask contact traversing it, and therefore this portion of the claims is likely underlain by volcanic rocks of the Nicola Group. Chalcopyrite occurs as disseminations and in fracture filling in altered diorite of the Iron Mask batholith.

WORK DONE: Surface diamond drilling, 23 BQ holes averaging 300 metres in depth.

REFERENCES: Mineral Inventory 92I/NE-27, 28; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, pp. 197, 198; 1974, p. 150; *Geol. Surv., Canada*, Mem. 249, pp. 49, 59, 137; Assessment Reports 136, 3936, 4409, 5152, 5265.

ROD (Fig. E-1, NTS 92I, No. 49)

LOCATION: Lat. 50° 38' Long. 120° 30' (92I/9W, 10E)
KAMLOOPS M.D. Thirteen kilometres west-southwest of Kamloops, 2 kilometres west of Sugarloaf Hill.

CLAIMS: ROD 1 (8 units), ROD 3 (16 units), ROD 4 Fraction (1 unit), KAREN 1 (8 units), KAREN 2 (1 unit).

1976

(921/9W)

OWNER: AFTON MINES LTD., Box 937, Kamloops V2C 5N4.
METAL: Copper.
DESCRIPTION: The southwest contact of the Iron Mask batholith crosses the claim group. Chalcopyrite and pyrite mineralization is reported.
WORK DONE: VLF EM survey, 14 line-kilometres; magnetometer survey, 14 line-kilometres; and rotary drilling, one hole totalling 140 metres on Karen 1.
REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 88; Assessment Report 5800.

PYTHON, COPPERHEAD (Fig. E-1, NTS 921, No. 63)

LOCATION: Lat. 50° 39' Long. 120° 24' (921/9W)
KAMLOOPS M.D. Six kilometres west-southwest of Kamloops.
CLAIMS: PYTHON (Lot 2565), PYTHON 2 (Lot 2562), COPPERHEAD (Lot 2564), NOONDAY (Lot 2563), and LOST CHORD Crown-granted claims plus PYTHON 3 to 8, 15, 16, DOT 2, 3, 5, CUB 3 to 6, 9, 10, PYE 1, 3 to 8, JET 1 to 5, LINE 1 to 4, REGINA, JET 6 to 17, TOP 1 to 3, COLT 1 to 5, PLANE 18 and 19, HORSE 1 to 3, NANCY, NICE 1 and 2, HOT, BEAR, SHOCK located claims.
OWNER: MAKAOO DEVELOPMENT COMPANY LIMITED, 857 West Third Street, North Vancouver.
METALS: Copper, molybdenum, gold, silver.
DESCRIPTION: Chalcopyrite and bornite, with molybdenum disulphide, occur as disseminations and in fracture fillings in shear zones near the contact between diorite of the Iron Mask batholith and intrusive picrite.
WORK DONE: Percussion drilling, totalling 240 metres on Copperhead (Lot 2564).
REFERENCES: Mineral Inventory 921/NE-2, 4, 5; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, pp. 196, 197 (Makao); 1973, p. 198; Assessment Report 4317.

IRON MASK, DM (Fig. E-1, NTS 921, No. 45)

LOCATION: Lat. 50° 40' Long. 120° 28' (921/9W)
KAMLOOPS M.D. About 8 kilometres west of Kamloops and immediately east of the Afton property.
CLAIMS: DM 55 to 57, 61 to 64, 71, 73, 75, 77, 96 to 99, 120, 121, 124, DM 2, 3, 5, 94, 95, and 99 Fractions, LORNA 1 to 4, AUDRA 1 Fraction, RO 5, 7 to 26, 47 to 52, 61, 63 to 65, EB 1 to 12, 14 to 19, REX 4 to 7 Fractions, DELLA 2, JAN 1 to 3, JAN 4 to 8 Fractions, MRO 1 to 8 and 10 to 14 Fractions, IRON CAP (Mineral Lease M-21), ERIN FR. (Lot 1066), NORMA (Lot 1302), IRON MASK (Lot 878), SUNRISE (Lot 879), COPPER QUEEN (Lot 880), CIVIL FR. (Lot 1068), VICTOR (Lot 1340), MINT FR. (Lot 1342), EARNSCLIFF FR. (Lot 1301), EMORY (Lot 1050), NIGHTHAWK (Lot 1747), LUCKY STRIKE (Lot 1036), JUMBO FR. (Lot 1067), CHAMPION NO. 1 (Lot

1976

(92I/10W, 11E)

KRAIN COPPER (Fig. E-1, NTS 92I, No. 52)

LOCATION: Lat. $50^{\circ} 34'$ Long. $121^{\circ} 00'$ (92I/10W, 11E)
KAMLOOPS M.D. Highland Valley, 10 kilometres north of the Bethlehem mine, on the east side of Forge Mountain.

CLAIMS: GETTY 1 to 24, GETTY A Fraction.

OWNER: Robak Industries Ltd.

OPERATOR: W. R. FINANCIAL CONSULTANTS LTD., 1650, 701 West Georgia Street, Vancouver.

METAL: Copper.

DESCRIPTION: The property is underlain by rocks of the Guichon Creek batholith. A large number of porphyry dykes intrude granitic rocks. In the northern part of the property, the granitic rocks are unconformably overlain by Tertiary volcanic flows. Chalcopyrite with minor bornite and pyrite occurs as specks and disseminations and in fracture fillings in shattered zones near the margins of porphyry dykes.

WORK DONE: Percussion drilling, seven holes totalling 540 metres on Getty 13, 15, 18, 20-22.

REFERENCES: Mineral Inventory 92I/NE-38; B.C. Dept. of Mines & Pet. Res., GEM, 1973, pp. 205, 206; 1975, p. E 90; Assessment Reports 172, 207, 1917, 2227, 5541, 5913.

BARNSLEY (Fig. E-1, NTS 92I, No. 53)

LOCATION: Lat. $50^{\circ} 39'$ Long. $121^{\circ} 01'$ (92I/10W, 11E)
KAMLOOPS M.D. Twenty kilometres east-southeast of Ashcroft, on Guichon Creek.

CLAIMS: BARNSLEY 1 (6 units), BARNSLEY 2 (18 units), BARNSLEY 3 (12 units).

OWNER: R. W. Falkins.

OPERATOR: UNITED HEARNE RESOURCES LTD., 14, 1199 West Hastings Street, Vancouver.

METALS: Copper, molybdenum.

DESCRIPTION: The Guichon and Bethlehem phases of the Guichon Creek batholith are overlain by basaltic and andesitic lavas and agglomerates of the Kamloops Group. Chalcopyrite and molybdenite mineralization occurs within the Guichon rocks.

WORK DONE: VLF EM survey, 33 line-kilometres and geochemical survey, 525 soil samples analysed for copper, molybdenum, and silver, covering all claims.

REFERENCE: Mineral Inventory 92I/NW-57.

BOSE (Fig. E-1, NTS 92I, No. 55)

LOCATION: Lat. $50^{\circ} 33'$ Long. $121^{\circ} 00.5'$ (92I/11E)
KAMLOOPS M.D. Highland Valley, approximately 30 kilometres southeast of Ashcroft, at south Forge Mountain.

1976

(92I/11E)

CLAIMS: BOSE (20 units), LOB (4 units).
OWNER: B. X. DEVELOPMENT LTD., 1606, 1055 West Georgia Street, Vancouver.
METAL: Copper.
WORK DONE: Percussion drilling, three holes totalling 169.5 metres (cuttings assayed for copper, silver, and some gold) on Bose (20 units).
REFERENCE: Assessment Report 6029.

A (Fig. E-1, NTS 92I, No. 69)

LOCATION: Lat. 50° 33' Long. 121° 11' (92I/11E)
KAMLOOPS M.D. On Pukaist Creek, 12 kilometres northwest of Quiltanton Lake.
CLAIMS: A 1 to 24, 26, 33 to 40, and 53 to 64.
OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.
METAL: Copper.
DESCRIPTION:

The area of the drilling is in the contact zone between the Guichon quartz diorite and the Hybrid phase of the Guichon Creek batholith. Core from the drill hole showed varying degrees of mafic content and texture but the rock for the most part could be classified as Guichon quartz diorite. The region is definitely in a transition zone between the Guichon quartz diorite and the Hybrid phase. Immediately north of the drilling, flows of tertiary basalt cover the underlying intrusive rocks. The thickness of the flows is not known but is generally considered to be over several hundred feet.

A major fault follows Pukaist Creek and passes approximately 900 to 1 000 metres north of the drill area. Several northwest and northeast-trending faults also appear to cross the property.

Mineralization observed on the property is mainly disseminated chalcopyrite along with minor pyrite. In the oxidized zones, malachite and limonite are also visible.

WORK DONE: Surface diamond drilling, one hole totalling 106.07 metres on A 2 and three holes totalling 351.13 metres on A 4.

REFERENCES: Mineral Inventory 92I/NW-56; Assessment Report 6178.

VVB (Fig. E-1, NTS 92I, No. 77)

LOCATION: Lat. 50° 35' Long. 121° 09' (92I/11E)
KAMLOOPS M.D. On the west side of Woods Creek, 4 kilometres northwest of Cinder Hill.
CLAIMS: VVB 1 (8 units), VVB 2 (8 units), VVB 3 (12 units).
OWNER: Ram Vallabh.
OPERATOR: LAKSHMI NARAIN & SONS, 1265 Marine Drive SE., Vancouver V5X 2W2.
WORK DONE: Linecutting, 13.5 kilometres on VVB 1 and 2.
REFERENCES: Assessment Reports 1740 (ED), 2631 (ED), 6143.

1976

(92I/11E)

CHIEF, GEO (Fig. E-1, NTS 92I, No. 54)

LOCATION: Lat. 50° 44.5' Long. 121° 01' (92I/11E)
KAMLOOPS M.D. Three kilometres southwest of Walhachin and 2 kilometres south of the Thompson River.

CLAIMS: CHIEF 1 to 48, CHIEF 101 to 105 Fractions, CHIEF A1 and A2, GEO 57 to 62, URSUS 1 to 4.

OWNER: BP MINERALS LIMITED, 405, 1199 West Pender Street, Vancouver V6E 2R1.

METAL: Copper.

DESCRIPTION: Nicola Group andesites, fragmental rocks, and minor limestone have been intruded by hornblende diorite. The hornblende diorite, in turn has been intruded by a body of quartz syenite, quartz monzonite, and associated intrusive breccias and by a small Tertiary quartz porphyry. Minor chalcopyrite is associated with pyrite±magnetite in andesites, diorites, and skarn, and as disseminations in intrusive breccias.

WORK DONE: Road construction, 1 000 metres on Chief 16, 18, 25, 27, 29; percussion drilling, five holes totalling 230 metres on Chief 16, 18, 29.

REFERENCES: Mineral Inventory 92I/NW-18, 55; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 227; 1973, p. 208; 1975, p. E 91; Assessment Reports 5730, 6107.

CHES (Fig. E-1, NTS 92I, No. 57)

LOCATION: Lat. 50° 59' Long. 120° 51' (92I/15W)
KAMLOOPS M.D. Twenty-five kilometres north of Savona, on Criss Creek.

CLAIMS: CC 1 (20 units), CC 2 (16 units).

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops V2C 2E2.

METALS: Gold, silver, molybdenum.

DESCRIPTION: A quartz-carbonate-mariposite alteration halo surrounds a small granite intrusion. Pyrite and molybdenite occur in quartz veins and in silicified carbonate-mariposite.

WORK DONE: Percussion drilling, eight holes totalling 625 metres on CC 1.

REFERENCES: Mineral Inventory 92I/NE-35, 56, 129; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 447 (BO, Crik); 1968, p. 173 (Art, Colin); *B.C. Dept. of Mines & Pet. Res.*, GEM, 1969, p. 240; 1975, p. E 92; Assessment Reports 1124, 1602, 2033.

DV (Fig. E-1, NTS 92I, No. 59)

LOCATION: Lat. 50° 46' Long. 120° 37.5' (92I/15E)
KAMLOOPS M.D. On the north shore of Kamloops Lake, 2 kilometres north of Frederick.

CLAIMS: DV 1 to 20, 22, 24 to 30, 33 to 36, BULL 1 to 3 Fractions.

1976

(92I/15E)

OWNER: CREAM SILVER MINES LTD., 101, 325 Howe Street, Vancouver.
DESCRIPTION: The property is underlain by Kingsvale volcanic rocks in the west, Kamloops volcanic rocks to the north, and Nicola volcanic rocks in the southeast. Alteration zones have been found surrounding intrusive rocks within the Nicola volcanic rocks.
WORK DONE: 1975 — surface geological mapping; 1976 — electromagnetic survey, 22 kilometres covering DV 19-30.
REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 216; Assessment Reports 4219, 4220, 5845.

MAXINE (Fig. E-1, NTS 92I, No. 73)

LOCATION: Lat. 50° 46' Long. 120° 40' (92I/15E)
KAMLOOPS M.D. On the north shore of Kamloops Lake, 2 kilometres northwest of Frederick, 25 kilometres west-northwest of Kamloops.
CLAIMS: LAKE (8 units), VIEW.
OWNERS: Caprice Resources Inc. and Rich Hill Mines Ltd.
OPERATOR: RICH HILL MINES LTD., 202, 850 West Hastings Street, Vancouver.
METAL: Copper.
DESCRIPTION: The Lake claim is underlain by volcanic rocks of the Kamloops Group. The main representative of this group is a crystal ignimbrite tuff. The copper mineralization, locally at least, is restricted to narrow shears and fracture linings.
WORK DONE: Surface diamond drilling, three AQ holes totalling 480.3 metres on Lake (8 units).
REFERENCES: Mineral Inventory 92I/NE-32; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 234; Assessment Reports 3696 (Greenstone), 6101.

ALLIES (DOG) (Fig. E-1, NTS 92I, No. 60)

LOCATION: Lat. 50° 52' Long. 120° 34' (92I/15E)
KAMLOOPS M.D. Twenty-eight kilometres northwest of Kamloops on Cannell Creek, east of Sydney Lake.
CLAIM: CANNELL (20 units).
OWNER: YAMOTO INDUSTRIES LTD., 1029, 510 West Hastings Street, Vancouver.
METALS: Copper, lead, gold.
DESCRIPTION: The property is underlain by Tertiary volcanic rocks of the Kamloops Group. Forming a window in the Tertiary volcanic rocks and underlying many of the claims are rocks of the carboniferous Cache Creek Group. Cutting the Cache Creek rocks but not the Kamloops volcanic rocks are light grey and dark grey porphyry dykes. The mineralization of the Allies prospect occurs as pyrite, chalcopyrite, bornite, and galena within quartz veins which occur within the dark grey porphyry dykes.

1976

(92I/16W)

WORK DONE: Geochemical survey, 866 soil samples analysed for gold and copper covering CANNELL (20 units).

REFERENCES: Mineral Inventory 92I/NE-44; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, pp. 234, 235; 1973, p. 216; Assessment Reports 3674, 4212, 4546, 5950.

KATESGONE (Fig. E-1, NTS 92I, No. 61)

LOCATION: Lat. 50° 45' Long. 120° 26' (92I/16W)
KAMLOOPS M.D. Twelve kilometres northwest of Kamloops and between 3 to 4 kilometres northeast of the peak of Mara Hill.

CLAIMS: KATESGONE (4 units), BESIDE (1 unit).

OWNER: D. MORAAL, c/o 107 Yew Street, Kamloops.

METALS: Silver, (minor lead, nickel, copper).

DESCRIPTION: Disseminated sulphides are found in rhyolite which is overlain by Nicola greenstone.

WORK DONE: Prospecting (7 days); surface geological mapping; linecutting, 3.5 kilometres; electromagnetic survey, 3 line-kilometres; and geochemical survey, 120 samples, covering Katesgone (4 units).

GOLD BUG (Fig. E-1, NTS 92I, No. 62)

LOCATION: Lat. 50° 55' Long. 120° 21' (92I/16W)
KAMLOOPS M.D. Twenty-six kilometres north of Kamloops at Jamieson Creek and Venn Creek.

CLAIMS: GOLD BUG, LUCKY STRIKE, IRON CAP.

OWNER: MIKE SALK, 1145 Halston Avenue, Kamloops.

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

WORK DONE: Shafts, 43 metres and tunnels, 115 metres on Gold Bug and Lucky Strike; trenches, 16 metres, shafts, 6.6 metres, and underground tunnel, 13.5 metres on Iron Cap; road construction, 1.2 kilometres.

REFERENCES: Mineral Inventory 92I/NE-86; *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 172; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1969, p. 235.

IRON RANGE (HAL, NAN) (Fig. E-1, NTS 92I, No. 65)

LOCATION: Lat. 50° 50' Long. 120° 03' (92I/16E)
KAMLOOPS M.D. On the north side of Heffley Lake, 1 kilometre east of the east end.

CLAIM: FREDA 1 (4 units).

OWNER: HERB ALLEN, Box 1397, Merritt.

METALS: Iron, copper.

DESCRIPTION: Magnetite, pyrite, and minor chalcopyrite are present in a large body of skarn formed by alteration of Cache Creek Group limestones. No intrusive rocks have been observed on the claims.

1976

(92I/16E)

WORK DONE: Surface diamond drilling, one AQ hole, 92 metres (deepening of old hole).

REFERENCES: Mineral Inventory 92I/NE-96; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1970, p. 319; 1973, p. 218; *Geol. Surv., Canada*, Mem. 249, p. 143; Assessment Reports 820, 821, 2597, 4418, 4624.

1976

(92F/2W)

DESCRIPTION: The property is underlain by Sicker Group pyroclastic and flow rocks and minor limestone and by Karmutsen basalt and pillow breccias.

WORK DONE: Surface geological mapping, 1:14 400 and geochemical survey, 492 soil samples analysed for copper and zinc, covering all claims.

REFERENCE: Assessment Report 6153.

A (Fig. E-1, NTS 92, No. 6)

LOCATION: Lat. 49° 13' Long. 124° 55' (92F/2W)
ALBERNI M.D. On the north side of Cous Creek, 4 kilometres south of Stirling Arm.

CLAIMS: A 5 to 8, B 1 to 10, C 1 to 8, D 1 to 14.

OWNER: Cous Creek Copper Mines Limited.

OPERATOR: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops V2C 2E2.

METAL: Copper.

DESCRIPTION: Chalcopyrite and magnetite occur as skarn mineralization along the contact between granodiorite and basic volcanic rocks and Quatsino limestones.

WORK DONE: Surface geological mapping, 1:5000, covering A 5-8 and B 1-10; magnetic survey, 28 kilometres, covering A 5-8; geochemical survey, 610 samples assayed for copper, covering B 1-10.

REFERENCES: Mineral Inventory 92F-360, 361; *B.C. Dept. of Mines & Pet. Res.*, Geological Fieldwork, 1975, p. 41; 1976, p. 31; *B.C. Dept. of Mines & Pet. Res.*, Geology in British Columbia, 1975, p. G 44; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, pp. 173, 174; Assessment Report 5981.

PRIDE OF THE WEST (Fig. E-1, NTS 92, No. 49)

LOCATION: Lat. 49° 02' Long. 125° 19.5' (92F/3W)
ALBERNI M.D. On the north shore of Toquart Bay, 1 kilometre north-northwest of Snowden Island.

CLAIMS: PRIDE OF THE WEST (Lot 538), HAMPTON (Lot 539).

OWNER: George E. Kinneard.

OPERATORS: A.B.L. WHITTLES, 2999 King Richard Way, Nanaimo; F. LORING, Qualicum; and G. KINNEARD, 520 Bradley Street, Nanaimo.

METALS: Silver, gold.

DESCRIPTION: Quartz veins occupy shear zones and carry pyrite, gold, and silver. An adit was driven at the turn of the century.

WORK DONE: Air photo interpretation of both claims.

REFERENCES: Mineral Inventory 92F-372; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 96; Assessment Reports 5387, 6146.

1976

(92F/5E)

PROSPER (Fig. E-1, NTS 92, No. 50)

LOCATION: Lat. 49° 23' Long. 125° 45' (92F/5E)
ALBERNI M.D. Four kilometres from Bedwell Sound, on the east side of Bedwell River.

CLAIMS: BEC (4 units), BES (4 units).

OWNER: GOLDEN HINDE MINES LTD., c/o W. Guppy, Box 94, Tofino.

METALS: Gold, copper, silver, lead.

DESCRIPTION: Karmutsen volcanic rocks are in contact with diorite and quartz diorite on the western part of the claims. Limestone lenses occur at the contact. Copper-magnetite-skarn-type mineralization occurs in contact with the limestone, in volcanic rocks near the contact, and in volcanic rocks some distance from the contact. The most important gold-bearing quartz veins are found in volcanic rocks on the southwestern part of the claims.

WORK DONE: Stripping, approximately 500 square metres; open cut (overburden and rock), approximately 10 by 3 by 2 metres, on Bes and Bec.

REFERENCES: Mineral Inventory 92F-53; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 97.

OK (Fig. E-1, NTS 92, No. 7)

LOCATION: Lat. 49° 26.5' Long. 125° 44' (92F/5E)
ALBERNI M.D. On the north side of Bedwell River, at Noble and Dry Creeks.

CLAIMS: CUB 1 to 4, 11 and 12.

OWNER: Golden Hinde Mines Ltd.

OPERATOR: W. GUPPY, Box 94, Tofino.

METALS: Copper, molybdenum, gold, silver.

DESCRIPTION: A stockwork of quartz veins and extensive disseminated mineralization occurs at the contact of Karmutsen volcanic and Island intrusive rocks. There are also quartz veins up to 60 centimetres wide outside this mineralized area. Most of the quartz veins (outside of the stockwork) occur in the volcanic rocks but the OK vein, on the Cub 11 and 12 claims to the northeast, is entirely in granodiorite or quartz diorite.

WORK DONE: Four packsack holes totalling 20 metres and four cuts approximately 4 by 2 by 1 metre on Cub 3 and 4.

REFERENCES: Mineral Inventory 92F-57, 58; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 97, E 98; Assessment Report 5881.

MORNING, APEX (Fig. E-1, NTS 92, No. 8)

LOCATION: Lat. 49° 18' Long. 125° 15.5' (92F/6W)
ALBERNI M.D. Immediately north of Taylor River and Highway 4, 5 kilometres west-northwest of Taylor Arm.

CLAIMS: Mineral Lease M-66, comprising Lots 975 to 980 (MORNING, MORNING 1 and 2, APEX, APEX FR., APEX NO. 3 FR.) AJ 1 to 15, MIKE 7, 9 to 15, MIKE 8 Fraction, DEAN 1, 3, 4.

1976

(92F/6W)

OWNERS: Highland Mercury Mines Limited and Lou-Mex Mines Limited.
OPERATOR: HIGHLAND MERCURY MINES LIMITED, 1199 West Hastings Street,
Vancouver V6E 2K5.
METALS: Gold, silver, copper, lead, zinc.
DESCRIPTION: Auriferous quartz fissure veins occupy east-northeast shears in
Karmutsen pillow lavas.
WORK DONE: Surface geological mapping, 1:3600, covering AJ 1-15; drifting and
crosscutting, 61 metres (283 cubic metres) and underground diamond
drilling, 92.6 metres on Morning 1 (Lot 976).
REFERENCES: Mineral Inventory 92F-119, 150; *B.C. Dept. of Mines & Pet. Res.*,
GEM, 1974, p. 176; Assessment Reports 5368, 5858.

TRI (Fig. E-1, NTS 92, No. 51)

LOCATION: Lat. 49° 18' Long. 125° 21' (92F/6W)
ALBERNI M.D. Ten kilometres west of Taylor Arm, on the south side
of Taylor River.
CLAIMS: TNW (6 units), TW (3 units), TE (6 units).
OWNER: GOLDEN HINDE MINES LTD., c/o W. Guppy, Box 94, Tofino.
METALS: Copper, zinc.
DESCRIPTION: Minerals present are chalcopryrite, bornite, malachite, pyrite, pyrrhotite,
sphalerite, and magnetite. Limestone is cut by numerous dykes and is in
contact with volcanic and intrusive rocks. Outcrops and float of skarn
with sparse to heavy sulphide mineralization and magnetite have been
found at a number of points over an area of 1 400 by 500 metres.
WORK DONE: Prospecting (10 days, one man) and soil sampling (50 by 50-metre grid,
118 samples analysed for copper and zinc), covering parts of TNW, TW,
and TE; trenching (overburden and rock), 12 metres in length and 1
metre deep on TNW.
REFERENCES: Mineral Inventory 92F-281; *B.C. Dept. of Mines & Pet. Res.*, GEM,
1975, p. E 99; Assessment Report 6117.

COOMBS COPPER (Fig. E-1, NTS 92, No. 9)

LOCATION: Lat. 50° 15.5' Long. 124° 31' (92F/7E)
NANAIMO M.D. At the head of French Creek, 6 kilometres southeast
of the east end of Cameron Lake.
CLAIM: COOMBS COPPER (6 units).
OWNER: LEWIS ERNEST KNOTT, 1765 Glastonbury Road, Victoria.
METAL: Copper.
DESCRIPTION: Epidote, pyrite, and chalcopryrite-bearing seams occur in Karmutsen
volcanic rocks.
WORK DONE: Prospecting covering Coombs Copper (6 units).
REFERENCES: Mineral Inventory 92F-367; Assessment Report 6042.

1976

(92F/8W)

TINKERBELL (Fig. E-1, NTS 92, No. 11)

LOCATION: Lat. 49° 18.5' Long. 124° 22.5' (92F/8W)
NANAIMO M.D. On the north side of Highway 4, 5 kilometres west of Parksville.

CLAIMS: TINKERBELL 1 to 6.

OWNER: E. D. Klassen, Box 54, RR 1 Beachcomber, Nanoose Bay.

WORK DONE: 1975 — linecutting, 0.7 kilometre on Tinkerbell 5.

REFERENCE: Assessment Report 5743.

SAME (Fig. E-1, NTS 92, No. 10)

LOCATION: Lat. 49° 18.5' Long. 124° 23' (92F/8W)
NANAIMO M.D. On the north side of Highway 4, 5.5 kilometres west of Parksville.

CLAIM: SAME 1.

OWNER: R. J. SAMECK, Box 10, North West Bay Road, Nanoose Bay.

WORK DONE: 1975 — linecutting, 2 kilometres on Same 1.

REFERENCE: Assessment Report 5747.

SANDY (Fig. E-1, NTS 92, No. 53)

LOCATION: Lat. 49° 43' Long. 124° 32' (92F/10E)
NANAIMO M.D. Texada Island, 1 kilometre northwest of Paxton Lake.

CLAIM: SANDY (2 units).

OWNERS: EDWIN T. JOHANSON, ROBERT PERRY, and ROBERT DUKER, General Delivery, Vananda VON 3K0.

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

DESCRIPTION: A mineralized fault or breccia zone in limestone bisects the claim. Sphalerite, galena, and pyrite with some copper, silver, and gold occur along 30 metres of strike, over widths of 0.3 to 0.6 metre. In the southwest corner of the claim, a showing of massive pyrrhotite occurs.

WORK DONE: Reconnaissance self-potential surveying plus trenching and test pits, 27 square metres, on Sandy (2 units).

REFERENCE: Mineral Inventory 92F-373.

IDEAL BASIC INDUSTRIES (Fig. E-1, NTS 92, No. 14)

LOCATION: Lat. 49° 43' Long. 124° 34' (92F/10E, 15E)
NANAIMO M.D. The northwest end of Texada Island.

CLAIMS: VOLUNTEER (Lot 131), COPPER QUEEN (Lot 40), CORNEL (Lot 201), plus IDEAL, IC, BASIC, etc., totalling 75.

OWNER: IDEAL BASIC INDUSTRIES, INC., 610, 1200 West Pender Street, Vancouver V6E 2S9.

WORK DONE: An additional three diamond-drill holes (90.3 metres) were drilled in 1975 at the Commodore showing (Mineral Inventory 92F-110) on Basic

1976

(92F/10E)

8. Minor sulphides were intersected in two of the three holes. Also, in 1975 and January 1976, an airborne magnetometer survey, in conjunction with airphotograph and geological interpretations, was conducted over the northwest portion of Texada Island (65 square kilometres).

REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 101 (Commodore); Assessment Reports 5655, 5885, 5912.

NATALIE (Fig. E-1, NTS 92, No. 52)

LOCATION: Lat. 49° 45' Long. 124° 33.5' (92F/10E)
NANAIMO M.D. Texada Island, 1 kilometre south of Vananda.
CLAIM: NATALIE (12 units).
OWNER: C. R. Beale.
OPERATOR: R. MARGETTS, 3229 West 49th Street, Vancouver.
DESCRIPTION: The Texada Formation, consisting of lava flows, breccia, and tuff, outcrops in the vicinity of the grid. Basic intrusive rocks are thought to occur near the west side of the grid. Limestones of the Marble Bay Formation cover the north portion of the grid.
WORK DONE: Linecutting, 3.6 kilometres; magnetometer survey, 3.2 kilometres; and geochemical survey, 66 soil samples, covering Natalie (12 units).
REFERENCE: Assessment Report 6160.

DONNER (Fig. E-1, NTS 92, No. 12)

LOCATION: Lat. 49° 44' 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.
OWNERS: Walter Babkirk, Clara Babkirk, Bill Scott, and Peter Chapko.
OPERATOR: WALTER BABKIRK, 107 Woolridge Street, Coquitlam.
METALS: Copper, silver, zinc, gold.
DESCRIPTION: Two drill holes intersected quartz porphyry, granodiorite, and quartz diorite. A trace of sulphides was reported.
WORK DONE: 1975 — surface diamond drilling, two holes, totalling 60 metres on Donner 1; 1976 — two additional diamond-drill holes, totalling 60 metres on Donner 1.
REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 182; Assessment Reports 4972, 5853.

MT. WASHINGTON COPPER (Fig. E-1, NTS 92, No. 13)

LOCATION: Lat. 49° 46' Long. 125° 18' (92F/14)
NANAIMO M.D. Twenty-two kilometres northwest of Courtenay, on Mount Washington.

1976

(92F/15E)

CLAIMS: DOMINEER 1, 3, 4, 6, (Lots 91G to 94G) plus MTW, DOT, MWC, totalling approximately 250.

OWNER: IMPERIAL OIL LTD., 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, gold, silver, minor molybdenum.

DESCRIPTION: Karmutsen Formation basalt is unconformably overlain by Comox Formation sedimentary rocks. Both are intruded by Tertiary quartz diorite sills, stocks, dykes, and associated intrusive breccias. Chalcopyrite, pyrite, pyrrhotite, with minor molybdenite occur in semi-massive, flat-lying veins (pods), as disseminations and fracture coatings in all rocks, and as pore fillings in porous outer rims of the breccias.

WORK DONE: Surface diamond drilling, three BQ holes totalling 678 metres on MWC and Domineer 4 (Lot 93G).

REFERENCES: Mineral Inventory 92F-116, 117, 206, 365; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 102; Assessment Reports 5979, 5980.

DOROTHY FR. (Fig. E-1, NTS 92, No. 54)

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: Two trenches, 12 metres each on Dorothy Fraction.

REFERENCE: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 103.

GLADYS C, CADET (Fig. E-1, NTS 92, No. 16)

LOCATION: Lat. 49° 45.2' Long. 124° 34' (92F/15E)
NANAIMO M.D. Texada Island, 1 kilometre north of Priest Lake, 0.7 kilometre southwest Vananda.

CLAIMS: GLADYS C (Lot 135), CADET (Lot 138), TEXADA (Lot 132), GABRIOLA FR. (Lot 139), LEONARD (Lot 136), PRIEST (Lot 137), KEY FR. (Lot 141), MARBLE BAY FR. NO. 2 (Lot 157), LAP 7 FR. (Lot 529), LAP 8 FR. (Lot 530).

OWNER: Jon A. Stewart.

OPERATOR: LONGBAR MINERALS LTD., Box 129, Vananda.

METALS: Iron, zinc, copper.

DESCRIPTION: Magnetite, sphalerite, pyrite, and pyrrhotite with minor chalcopyrite and malachite are exposed in numerous pits, trenches, and shafts, usually along the contact between Quatsino limestone and diorite/gabbro intrusive rocks.

WORK DONE: VLF EM and magnetometer survey covering Texada, Gabriola Fr., Priest, Leonard, Cadet, Key Fr., Gladys C, Lap 7 Fr.

REFERENCES: Mineral Inventory 92F-368; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 103 (Marble Bay); Assessment Report 5898.

1976

(92F/15E)

MAR (Fig. E-1, NTS 92, No. 56)

LOCATION: Lat. 49° 47' Long. 124° 38' (92F/15E)
NANAIMO M.D. Texada Island, at Marshall Point, 1 kilometre south-southwest of Blubber Bay.

CLAIM: MAR (4 units).

OWNER: LONGBAR MINERALS LTD., Box 129, Vananda.

METALS: Minor gold, silver, copper.

DESCRIPTION: Quatsino limestone is exposed along the coast at Marshall Point. The limestone is cut by numerous, highly siliceous, sulphide-bearing dykes. Pyrrhotite is the predominant sulphide. Minor amounts of gold, silver, and copper are reported.

WORK DONE: VLF EM and magnetometer survey, 3.1 kilometres; geochemical survey, 58 soil samples analysed for gold, covering Mar (4 units).

REFERENCE: Assessment Report 6156.

OKE (Fig. E-1, NTS 92, NO. 55)

LOCATION: Lat. 49° 46' Long. 124° 34' (92F/15E)
NANAIMO M.D. Texada Island, on Hodgson Point, 1 kilometre northwest of Vananda.

CLAIM: OKE (1 unit).

OWNERS: EDWIN T. JOHANSON, ROBERT PERRY, and ROBERT DUKER, General Delivery, Vananda VON 3K0.

METALS: Copper, zinc, silver.

DESCRIPTION: Chalcopyrite, chalcocite, sphalerite, and silver-bearing veins occur in limestone adjacent to and parallel with a dyke. The dyke is lightly mineralized with chalcopyrite and runs generally parallel to a diorite contact a few hundred metres away.

WORK DONE: Trenching, 9 square metres and test pits, 7 square metres, covering Oke (1 unit).

REFERENCE: Mineral Inventory 92F-374.

PARIS (Fig. E-1, NTS 92, No. 15)

LOCATION: Lat. 49° 47.5' Long. 124° 36.6' (92F/15E)
NANAIMO M.D. On Texada Island, on the southeast shore of Blubber Bay.

CLAIMS: PIERRE, DENNIS, SUZANNE, FERRO 3.

OWNER: J. MICHAUD, Box 168, Vananda.

METALS: Iron, copper, zinc.

DESCRIPTION: Marble Bay (Quatsino) limestone is intruded by two small diorite stocks which have been extensively altered to skarn. Lenses of magnetite, pyrrhotite, chalcopyrite, and less pyrite have been formed along the contact. A hole drilled near the middle of three old shafts passed through 60 centimetres of massive pyrrhotite and magnetite and

1976

(92F/16W)

entered white limestone. In *Exploration in British Columbia, 1975* (p. E 104), the Paris showing was erroneously indicated to be covered by the Cortez and Ed claims.

WORK DONE: Surface diamond drilling, two holes totalling 65 metres; linecutting, 1 kilometre; road work, 150 metres, on Pierre.

REFERENCES: Mineral Inventory 92F-166; *Geol. Surv., Canada*, Mem. 58, p. 66.

HI, HO (SPRING LAKE) (Fig. E-1, NTS 92, No. 17)

LOCATION: Lat. 49° 57' Long. 124° 22' (92F/16W)
VANCOUVER M.D. Between Lewis and Haslam Lakes, 15 kilometres northeast of Powell River.

CLAIMS: HO 1 to 10, IN 1 to 10, IN 1 (1 unit), IN 2 (1 unit), SPRING (20 units), FALL (12 units), POT (9 units), JOB (9 units), DUE (9 units), TWY (2 units).

OWNERS: Golden Granite Mines Ltd. and Newvan Resources Ltd.

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

METALS: Copper, molybdenum.

DESCRIPTION: Chalcopyrite and molybdenite occur as disseminations and as fracture fillings in granodiorite of the Coast Plutonic Complex. The sulphide minerals are associated with silicification and potassic alteration.

WORK DONE: Linecutting, 10 kilometres; magnetometer survey, 1.9 kilometres; and induced polarization survey, covering Fall (12 units), Due (3 units), Job (1 unit), Pot (3 units), HO (4 units), and TWY (2 units). In 1975, work by Newvan Resources Ltd. included a geochemical survey, 243 soil samples, and geological mapping, covering IN 3-10 and HO 5.

REFERENCES: Mineral Inventory 92F-292, 369, 370, 371; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, pp. 236, 237; Assessment Reports 5798, 6092.

VANCOUVER 92G

HI (Fig. E-1, NTS 92, No. 58)

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: Zinc, copper.

DESCRIPTION: The property is underlain by Fire Lake sedimentary and volcanic rocks and by Harrison Lake volcanic rocks. Heavily fractured and altered zones carry magnetite, pyrrhotite, sphalerite, pyrite, and chalcopyrite.

1976

(92G/9E)

WORK DONE: Surface geological mapping, 1:5000 and geochemical survey, 612 soil samples analysed for copper, lead, zinc, covering Shrew (16 units).

REFERENCES: Mineral Inventory 92G/NE-73; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, p. 255; Assessment Reports 3622, 6159.

KF (Fig. E-1, NTS 92, No. 69)

LOCATION: Lat. 49° 35' Long. 122° 04' (92G/9E)
NEW WESTMINSTER M.D. Eighteen kilometres northeast of the north end of Stave Lake.

CLAIMS: KF 1 to 5, 7.

OWNER: L. Kiss.

OPERATOR: JAMES W. McLEOD, 4086 West 17th Avenue, Vancouver V6S 1A6.

METALS: Copper, molybdenum, silver.

DESCRIPTION: Fracture-controlled chalcopyrite and molybdenite mineralization in Coast Range quartz diorite.

WORK DONE: Trenching, 3 cubic metres on KF 1-5, and 7.

REFERENCES: Mineral Inventory 92G/NE-55; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 246; 1972, p. 274.

BUN (Fig. E-1, NTS 92, No. 26)

LOCATION: Lat. 49° 53' Long. 123° 55' (92G/13W)
VANCOUVER M.D. At Saumarez Bluff, Jervis Inlet.

CLAIMS: BUN 1 to 20.

OWNER: L. G. WHITE, 704 Parkside Road, West Vancouver.

METALS: Copper, molybdenum.

DESCRIPTION: The property is underlain by a complex assemblage of quartz diorite, diorite, porphyry, metasedimentary rocks, and roof pendants of volcanic rocks. Most rock types exhibit propylitic alteration resulting in the formation of chlorite, epidote, and pyrite. Traces of chalcopyrite and molybdenite have been found.

WORK DONE: 1975 — surface geological mapping, 1:4800 and geochemical survey, 190 soil and 20 rock samples analysed for zinc, silver, copper, and molybdenum, covering Bun 1, 9, 10, 12, 19, 20.

REFERENCE: Assessment Report 5775.

ASHLOO (Fig. E-1, NTS 92, No. 57)

LOCATION: Lat. 49° 57' Long. 123° 25' (92G/14W)
VANCOUVER M.D. Approximately 27 kilometres northwest of Squamish, on Ashlu and Roaring Creeks.

CLAIMS: ASH 1 to 3, 6 to 8, CLARA 3, TUFF, GOLD, SHEENA, SAM, totalling 29 units.

OWNERS: Walter Babkirk, N. J. McLeod, W. S. Auld.

1976

(92G/14E, 92J/3E)

OPERATOR: ASHLU GOLD MINES LTD., 320 Monument Place SE., Calgary, Alberta.

METALS: Gold, silver, copper, tungsten.

DESCRIPTION: Chalcopyrite, pyrite, and pyrrhotite with gold and silver occur in bands of quartz in a shear zone in granodiorite. The shear zone tends to follow an irregular lens of basic dyke rock.

WORK DONE: Surface diamond drilling, five holes totalling 328.2 metres on Ash 2.

REFERENCES: Mineral Inventory 92G/NW-25; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 107; Assessment Reports 6043, 6155.

VENETIAN (Fig. E-1, NTS 92, No. 27)

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, RON 1 to 12, FF 1 to 14, J 1 to 10, S 1 to 26.

OWNER: ACACIA MINERAL DEVELOPMENT CORP. LTD., 429, 470 Granville Street, Vancouver V6C 1V5.

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

DESCRIPTION: Roof pendants of sedimentary and volcanic rocks of Triassic to Cretaceous age contain quartz carbonate veins. The pendants are enveloped by Coast Range granodiorites and granites. Copper, gold, and silver mineralization is exposed in an old tunnel on the Daisy claims.

WORK DONE: Geochemical survey, 850 soil samples analysed for copper, lead, zinc, and silver, covering Daisy 1-8, Ron 1-12, FF 1-8, and J 1-8; electromagnetic and magnetometer survey, 48 line-kilometres, covering same claims; surface diamond drilling, two BQ holes totalling 200 metres on Ron II.

REFERENCES: Mineral Inventory 92G/NW-69; *Minister of Mines, B.C.*, Ann. Rept., 1916, p. 372; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 279; 1974, p. 198; Assessment Report 6114.

PEMBERTON 92J

VENETIAN (Fig. E-1, NTS 92, No. 27)

LOCATION: Lat. 50° 00' Long. 123° 06' (92G/14E; 92J/3E)
Report on this property in 92G.

BLUE JACK, ASTRA-CAMBRIA (CALLAGHAN)

(Fig. E-1, NTS 92, No. 29)

LOCATION: Lat. 50° 04' Long. 123° 08' (92J/3E)
VANCOUVER M.D. The claims extend from the north end of Daisy Lake, northward to Edna Creek, a distance of 9 kilometres.

1976

(92J/3E)

CLAIMS: VAN 1 to 43, 71, 73, 75 to 79, 81 to 83, 89, 90, LUX 1 to 4, SUN 1 to 8, BOB 1 to 34, SUNNY CAVE, SUNNY CAVE 1 to 25, 27, 28, MIL 1 to 11, STAR 1 and 2, MAT 1 to 3, 6 to 8, VERN 8, SNOW 1 to 15, 22 to 24, PETER 1, TED 1, JO, LU, MINE, ELM, THYNE, ASH, SPINE, MIL, BRU.

OWNER: VAN SILVER EXPLORATIONS LTD., 501, 409 Granville Street, Vancouver V6C 1T2.

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

DESCRIPTION: The claims are underlain by metamorphosed volcanic rocks and minor limestone beds which have been intruded by various bodies of granitic rocks. Aphanitic felsite dykes, some of which carry economic minerals, intrude the preceding rocks. Mineralization, in the form of gold, silver, galena, sphalerite, pyrite, and chalcopyrite, occurs in many locations within the property boundaries, in the pendant rocks, in or near the disrupted or schistose areas.

WORK DONE: 1975 — surface geological mapping, 1:2400, covering Ted 1, Ash, Elm, Mine, Spine, Mil, Thyne, Mat 8, and Sunny Cave 16, 18, 19; underground geological mapping, 1:480, covering Sunny Cave; claims surveyed (Sunny Cave, Sunny Cave 1-3, Vern 8, Star 1), 1:2400; underground work, 105 metres on Sunny Cave; 1976 — underground drilling, 16 percussion holes totalling 534 metres on Sunny Cave.

REFERENCES: Mineral Inventory 92J/W-45, 51, 119, 133; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, pp. 198, 199; Assessment Report 5839.

SANTA (Fig. E-1, NTS 92, No. 61)

LOCATION: Lat. 50° 10.5' Long. 123° 07.5' (92J/3E)
VANCOUVER M.D. Sixteen kilometres due north of Brandywine Falls, at the headwaters of Callaghan Creek.

CLAIMS: SANTA, SANTA NORTH, SANTA EAST, SANTA SOUTHEAST, SANTA SOUTH.

OWNER: LAKEWOOD MINING CO. LTD., 2245 West 13th Avenue, Vancouver.

METALS: Tungsten, molybdenum, silver, copper.

DESCRIPTION: Limestone, banded with scheelite, is in contact with granodiorite. Also reported are chalcopyrite, silver, and molybdenum. Massive pyrite occurs in skarn.

WORK DONE: Prospecting on Santa.

REFERENCES: Mineral Inventory 92J/W-151; Assessment Report 6147.

SYLVAN (Fig. E-1, NTS 92, No. 28)

LOCATION: Lat. 50° 29' Long. 122° 43' (92J/7E)
LILLOOET M.D. Five and a half kilometres west of Birken, 1.5 kilometres east of Birkenhead River.

CLAIM: SYLVAN.

1976

(92J/14W)

OWNER: N. E. FERGUSON, Box 137, Mount Currie V0N 2K0.
METALS: Iron, platinum, gold, copper, silver.
WORK DONE: Road construction, 2 kilometres on Sylvan.

SALAL (Fig. E-1, NTS 92, No. 30)

LOCATION: Lat. 50° 46' Long. 123° 24' (92J/14W)
LILLOOET M.D. Sixty-four kilometres northwest of Pemberton, on the north side of the east fork (Lost Creek) of Salal Creek, in Athelney Pass, at 2 210 metres elevation.
CLAIMS: SALAL 1 to 4 (20 units each), SALAL 5 to 7 (9 units each).
OWNER: BP MINERALS LIMITED, 405, 1199 West Pender Street, Vancouver V6E 2R1.
METAL: Molybdenum.
DESCRIPTION: The Salal Creek property covers the southern part of the Late Tertiary Salal Creek stock, which intrudes Mesozoic volcanic, sedimentary, and batholithic granitoid rock of the Coast Range Mountains. Two main phases have been identified within the stock, a coarse-grained phase at the margins and a fine-grained core. Molybdenite mineralization has been located in two main zones which form a discontinuous ring centred on the contact between the fine-grained and coarse-grained phases.
WORK DONE: Induced polarization and resistivity survey, 10.2 line-kilometres and magnetometer survey, 10.2 line-kilometres, covering Salal 5 (9 units), 6 (9 units), 7 (9 units).
REFERENCES: Mineral Inventory 92J/W-70; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 108; Assessment Reports 3275, 5948, 5974.

ELEPHANT (Fig. E-1, NTS 92, No. 34)

LOCATION: Lat. 50° 49.5' Long. 122° 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: GERALD A. ROSE, Box 721, Lillooet V0K 1V0.
METALS: Gold, silver, arsenic.
DESCRIPTION: Northward extension of the Why Not vein system.
WORK DONE: Five channel samples (along exposed vein) analysed for gold and silver; trenching, digging, and blasting, 20 square metres; trail cutting and clearing, approximately 50 square metres on Elephant.
REFERENCES: Mineral Inventory 92J/NE-21; *Minister of Mines, B.C.*, Ann. Rept., 1946, pp. 106-112 (Bridge River Consolidated Mines); *Geol. Surv., Canada*, Mem. 213, pp. 88-91 (Bridge River Consolidated Mines).

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(92J/15W)

B GOLD (Fig. E-1, NTS 92, No. 62)

LOCATION: Lat. $50^{\circ} 50.5'$ Long. $122^{\circ} 50.5'$ (92J/15W)
LILLOOET M.D. On the east bank of Hurley River, 1 kilometre southwest of Gold Bridge.

CLAIM: B GOLD.

OWNER: HILDA M. HAYLMORE, Box 33, Lillooet V0K 1V0.

METAL: Gold.

WORK DONE: Trenching, 280 square metres, and road construction, 300 metres in length by 1 metre in width, on B Gold.

WAYSIDE (Fig. E-1, NTS 92, No. 33)

LOCATION: Lat. $50^{\circ} 53'$ Long. $122^{\circ} 49.5'$ (92J/15W)
LILLOOET M.D. Three kilometres north-northeast of Gold Bridge, on the northwest side of Carpenter Lake.

CLAIMS: WAYSIDE (Lot 3036) and 24 other Crown-granted claims.

OWNER: DAWSON RANGE MINES LTD., Box 466, Lillooet.

METAL: Gold.

WORK DONE: Trenching and preparing drill site on Wayside (Lot 3036).

REFERENCES: Mineral Inventory 92J/NE-30; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, pp. 205, 206; 1975, pp. E 109, E 110.

GRAY ROCK (Fig. E-1, NTS 92, No. 32)

LOCATION: Lat. $50^{\circ} 48'$ Long. $122^{\circ} 42'$ (92J/15E)
LILLOOET M.D. Eleven kilometres southeast of Gold Bridge, at the head of Truax Creek.

CLAIMS: ROBIN 1 to 6, ROY 1 to 4.

OWNER: WESFROB MINES LIMITED, 700, 1112 West Pender Street, Vancouver V6E 2S1.

METALS: Silver, antimony, lead, zinc, gold, copper.

DESCRIPTION: Galena and stibnite, the principal minerals on the property occur as discontinuous lenses which form shoots within moderately dipping quartz veins, intrusive into a sequence of volcano-metasedimentary rocks.

WORK DONE: Surface geological mapping, 1:2400; VLF EM-16 survey, 4.5 kilometres; magnetometer survey, 3.9 kilometres; and linecutting, 5.2 kilometres, covering Robin 104; EM-17 survey, 0.9 kilometre, covering Robin 1 and 2; geochemical survey, 60 soil samples (30-metre centres), covering Robin 1-3.

REFERENCES: Mineral Inventory 92J/NE-104; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 252; Assessment Report 6059.

1976

(92J/15)

RANGER (TRUAX) (Fig. E-1, NTS 92, No. 31)

LOCATION: Lat. $50^{\circ} 51'$ Long. $122^{\circ} 45'$ (92J/15)
LILLOOET M.D. Six and one-half kilometres east of Gold Bridge, at the headwaters of Girl, Lindsey, and Steep Creeks.

CLAIMS: BEE 1 to 10.

OWNERS: A. B. UNGER, 1906, 2055 Pendrell Street, Vancouver, H. M. HOLMES, 1801, 2055 Pendrell Street, Vancouver, and L. HOWARD, 1549 Maple Street, Vancouver.

METALS: Gold, silver, copper, cobalt,

DESCRIPTION: Quartz, arsenopyrite, pyrite, and some chalcopyrite occur in shear zones in argillaceous chert. Gold, silver, and minor cobalt and copper were noted in assays from trench samples.

WORK DONE: 1975 – magnetometer survey, trenching, and sampling covering Bee 2 and 3.

REFERENCES: Mineral Inventory 92J/NE-134; *Minister of Mines, B.C.*, Ann. Rept., 1945, p. 85; 1946, pp. 115-121; Assessment Report 5761.

ROBSON, LUCKY JEM, LUCKY STRIKE (Fig. E-1, NTS 92, No. 36)

LOCATION: Lat. $51^{\circ} 00'$ Long. $122^{\circ} 52'$ (92O/2W; 92J/15W)
Report on this property in 92O/2W.

BUTE INLET 92K

COPPER BELL, COPPER HILL (Fig. E-1, NTS 92, No. 60)

LOCATION: Lat. $50^{\circ} 07'$ Long. $125^{\circ} 16'$ (92K/3W)
NANAIMO M.D. On Quadra Island, 4 kilometres northwest of Heriot Bay village.

CLAIMS: COPPER BELL 1 to 4, COPPER HILL 1 and 2, BIT 1 and 2, GAMMA, DELTA Fraction, EPSILON Fraction, ZETA Fraction, KAPPA Fraction, CLIFF 1 and 2, COPPER CLIFF, BEAVER DAM 1 and 2, EVELYN 1 to 3, COLLEEN 1 and 2.

OWNERS: Quadra Bell Mining Co. Ltd. and Quadra Mining Co. Ltd.

OPERATOR: QUADRA BELL MINING CO. LTD., 1161 South Murphy Street, Campbell River V9W 1Z8.

METALS: Copper, minor silver.

DESCRIPTION: The property is underlain by amygdaloidal basaltic lava and dense, fine to medium-grained, heavily fractured volcanic rocks.

WORK DONE: Drilling and blasting, 143 metres and trenching, 65 cubic metres on Evelyn 2; drilling and blasting, 50 metres and trenching, 20 cubic metres on Copper Bell 1.

REFERENCES: Mineral Inventory 92K-52, 58, 71 to 74, 103, 118, 119; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 111, E 112.

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(92K/11W, 6W)

ENID—JULIE, ALEXANDRIA (Fig. E-1, NTS 92, No. 25)

LOCATION: Lat. 50° 30' Long. 125° 23' (92K/11W, 6W)
VANCOUVER M.D. Southwest of Fanny Bay and west of Phillips Arm, across from Richard Point.

CLAIMS: ENID (Lot 280), JULIE (Lot 233), ALEXANDRIA (Lot 225), PREMIER (Lot 1665), PREMIER FR. (Lot 1667), WATERLOO FR. (Lot 226), GOLD DUST FR. (Lot 1663), MARY ROSE (Lot 1664), JENNIE B (Lot 278), STELLA (Lot 281), EMPEROR FR. (Lot 227), COMOX (Lot 296), EMPRESS (Lot 279), DUCHESS (Lot 231), JUBILEE FR. (Lot 230), DUKE (Lot 229), HIGHLAND LADDIE (Lot 228).

OWNER: M. Warshawski.

OPERATOR: ENVOY RESOURCES LTD., 333, 885 Dunsmuir Street, Vancouver.

METALS: Gold, silver.

DESCRIPTION: The deposit is a lenticular quartz-mineralized shear zone in altered volcanic and sedimentary rocks included in medium to coarse-grained, light-coloured, altered biotite-muscovite granite of the Coast Range batholith. There is pyrite mineralization throughout the shear zone but the gold and silver are concentrated in a banded quartz-pyrite 'pay-streak,' 1.5 metres in width, close to the hangingwall. The zone forms a 100-foot-wide ledge, striking north 65 degrees west and dipping 70 degrees south, which is cut by numerous irregular dykes. This shear zone is continuous across the Enid—Julie, Alexandria, and Dorothy Morton properties.

WORK DONE: Geochemical survey, 152 soil samples, covering Jennie B, Empress, Stella, and Julie.

REFERENCES: Mineral Inventory 92K-24, 28; *Minister of Mines, B.C.*, Ann. Rept., 1898, p. 1197; 1918, p. 474; 1925, p. 279; 1926, p. 310; 1928, p. 381; 1929, p. 387; 1933, pp. 254, 255; 1934, pp. F7, F8; 1938, p. F61; Assessment Report 6108.

ALERT BAY 92L

IRON COP (LOIS) (Fig. E-1, NTS 92, No. 18)

LOCATION: Lat. 50° 16' Long. 127° 37' (92L/5E)
NANAIMO and ALBERNI M.D. Eight kilometres east of the head of Klaskish Basin.

CLAIMS: LOIS 1 to 36.

OWNER: Vanco Explorations Limited.

OPERATOR: IMPERIAL OIL LTD., 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, molybdenum, iron, cobalt, gold.

DESCRIPTION: A quartz diorite stock cuts Karmutsen volcanic rocks and, in turn, is cut by intrusive breccias with accompanying clay and biotite alteration.

1976

(92L/5E)

Sulphides are weakly zoned with chalcopyrite and molybdenite being found in the biotite zone and the main pyrite mineralization being located peripherally in the propylitic (chlorite) zone. A trace of visible gold was noted in quartz in the drill core.

WORK DONE: Diamond drilling, totalling 214 metres on Lois 30.

REFERENCES: Mineral Inventory 92L-228; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 113; Assessment Reports 2384, 3034, 3035, 5873, 6024.

HEART (Fig. E-1, NTS 92, No. 19)

LOCATION: Lat. 50° 17' Long. 127° 32.5' (92L/5E)
ALBERNI M.D. At the headwaters of Nasparti Inlet, 12 kilometres east-northeast of the head of Klaskish Basin.

CLAIM: POWER (1 unit).

OWNER: IMPERIAL OIL LTD., 314, 1281 West Georgia Street, Vancouver.

METALS: Copper, iron.

DESCRIPTION: Bonanza pyroclastic rocks and andesite are intruded by granodiorite. Mineralization comprises magnetite-bearing veins and pyrite and chalcopyrite-bearing veinlets and shear zones.

WORK DONE: Geological mapping and magnetometer survey, approximately 4.5 line-kilometres covering Power (1 unit).

REFERENCES: Mineral Inventory 92L-1; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 211.

FANG (Fig. E-1, NTS 92, No. 20)

LOCATION: Lat. 50° 17.5' Long. 127° 34' (92L/5E)
NANAIMO M.D. At the headwaters of Klaskish River, 10 kilometres east-northeast of the head of Klaskish Basin.

CLAIMS: FANG 1 to 9, 11 to 14, FANG 10 Fraction.

OWNER: IMPERIAL OIL LTD., 314, 1281 West Georgia Street, Vancouver.

METAL: Copper.

DESCRIPTION: Bonanza pyroclastic rocks, andesite, and minor bedded chert are cut by a northwest-trending sulphide-bearing veinlet system. Veinlets and fracture coatings of epidote, pyrite, and minor chalcopyrite locally have silica and clay (?) alteration envelopes. Magnetite veins have no consistent trends. The alteration and sulphide mineral-bearing zone is 100 metres by 400 metres and is truncated by several major post-mineralization faults.

WORK DONE: Surface geological mapping, 1:600, covering Fang 12, 8, 9; trenching, 40 square metres on Fang 1.

REFERENCES: Mineral Inventory 92L-265; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, pp. 211, 212.

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(92L/5E)

STAR, WHITE QUARTZ, RED ROCK (Fig. E-1, NTS 92, No. 21)

LOCATION: Lat. 50° 23' Long. 127° 31' (92L/5E)
NANAIMO M.D. On Teeta Creek, 4 kilometres northwest of Port Alice.

CLAIMS: STAR 1, 3, 5, 7 to 15, 17, 21 to 32, STAR 1 to 4 Fractions, BOY 1 and 2, MOON 1 to 10, SUN (9 units).

OWNER: J. R. Billingsley.

OPERATOR: CITIES SERVICE MINERALS CORPORATION, 405, 1200 West Pender Street, Vancouver.

METALS: Copper, molybdenum.

DESCRIPTION: A highly altered quartz diorite is intrusive into tuffs and andesite. Porphyritic phases of the diorite occur. Barren dykes are numerous. *Mineralization consists of chalcopyrite and minor molybdenite and widespread pyrite.*

WORK DONE: Surface diamond drilling, two BQ holes totalling 750 metres on Star 22, 24.

REFERENCES: Mineral Inventory 92L-92, 103, 235; *B.C. Dept. of Mines & Pet. Res., GEM*, 1975, p. E 114; Assessment Reports 5567, 5997.

BOB, HAB (Fig. E-1, NTS 92, No. 22)

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 48.

OWNER: R. McIver.

OPERATOR: IMPERIAL OIL LTD., 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Iron, copper, minor gold, silver, zinc.

DESCRIPTION:

The Bob and Hab claims are underlain by basaltic rocks of the Triassic Karmutsen Formation, which are overlain in parts of the property by conformable remnants of the Upper Triassic Quatsino Formation. These units have been intruded by granodiorite and quartz diorite of Jurassic age.

The contact between the granitic rocks and the older rocks extends in a north-northwest direction across the claims, with mainly quartz diorite occupying the west and southwesterly portion of the property and volcanic rocks underlying the east and northeasterly portion. A few andesite porphyry dykes cut the quartz diorite intrusion. Limestone and skarn occur as windows in the intrusion at intervals along the contact between the quartz diorite and the volcanic rocks.

Limestone where seen is crystalline and white but frequently its former position can only be inferred from skarn outcrops. Some skarn alteration also occurs in portions of the upper part of the Karmutsen Formation and in the quartz diorite itself.

Skarn on the property consists mainly of massive garnet with lesser amounts of pyroxene, epidote, quartz, actinolite, chlorite, and calcite. Mineralization is magnetite, chal-

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(92L/12W)

copyrite, and pyrite. Minor amounts of pyrrhotite, sphalerite, gold, and silver have been observed. Mineralization occurs along a 1 600-metre strike length.

WORK DONE: Topographic survey, 147 000 square metres, covering Bob 3 and 4; induced polarization survey, 7.3 kilometres on Bob 1-4, 9-12, 15, 16, 18, 19; surface diamond drilling, six BQ holes totalling 674 metres on Bob 4 and 17.

REFERENCES: Mineral Inventory 92L-134, 164, 254, 255; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, pp. 213, 214; Assessment Reports 953, 3698, 4350, 4351, 4353, 4898, 5394, 5868.

EXPO (Fig. E-1, NTS 92, No. 59)

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, MOE, HEP, DON, totalling approximately 800.

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

METALS: Copper, molybdenum.

WORK DONE: Surface diamond drilling, two NQ holes totalling 235.7 metres on Expo 258, 259 and Don 14 Fraction.

REFERENCES: Mineral Inventory 92L-240; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 218; Assessment Report 6184.

NORTH SHORE (LAKE) (Fig. E-1, NTS 92, No. 23)

LOCATION: Lat. 50° 42.5' Long. 127° 51' (92L/12W)
NANAIMO M.D. On the northwest shore of Nahwitti Lake.

CLAIMS: LAKE, FTR 1 to 15, JEAN 1 to 10.

OWNER: F. T. Russell.

OPERATOR: RIO TINTO CANADIAN EXPLORATION LIMITED, 615, Two Bentall Centre, Vancouver.

METALS: Silver, lead, zinc, copper, iron.

DESCRIPTION: Scattered silver-lead-zinc mineralization occurs in Karmutsen limestone, and some skarn mineralization occurs along the contact with andesite.

WORK DONE: Induced polarization survey, 1.1 line-kilometres on Lake, Jean 1 and 2.

REFERENCES: Mineral Inventory 92L-77; *Minister of Mines, B.C.*, Ann. Rept., 1936, p. F51; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, pp. 323, 324; *Geol. Surv., Canada*, Paper 74-8, pp. 60, 61; Assessment Reports 1610, 5951.

MOUNT WADDINGTON 92N**MOUNTAIN BOSS (MOUNTAIN KING) (Fig. E-1, NTS 92, No. 63)**

LOCATION: Lat. 51° 48' Long. 125° 05' (92N/14E)
 CARIBOO M.D. Twenty-three kilometres southwest of Kleena Kleene, on Perkins Peak.

CLAIMS: APEX 1 to 54 located claims and Mineral Lease M-26, comprising BLUE BELL, HEATHER, MONARCH, IRON CROWN NO. 7, BRITON, BELCHOR NOS. 1 to 8.

OWNER: HUNTER POINT EXPLORATIONS LTD., 105 West 6th Avenue, Vancouver.

METALS: Gold, silver, copper.

WORK DONE: Electromagnetic survey.

REFERENCES: Mineral Inventory 92N-10; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 117.

SAP (Fig. E-1, NTS 92, No. 35)

LOCATION: Lat. 51° 48' Long. 124° 43' (92N/15E)
 CLINTON M.D. At the north end of Sapeye Lake, approximately 13 kilometres southwest of Tatla Lake village.

CLAIM: SAP (6 units).

OWNER: Herbert J. Wahl.

OPERATOR: ROD SAMUELS, 204, 1415 Chesterfield, North Vancouver.

DESCRIPTION: The claim is entirely overburden covered except for a few outcrops of black shale and silicified volcanic rock on Sapeye Creek.

WORK DONE: 1975 — linecutting, 7.1 kilometres; geological mapping, and geochemical survey, 236 soil samples analysed for arsenic, zinc, and copper, covering Sap (6 units).

REFERENCE: Assessment Report 5808.

TASEKO LAKES 92O**ROBSON, LUCKY JEM, LUCKY STRIKE (Fig. E-1, NTS 92, No. 36)**

LOCATION: Lat. 51° 00' Long. 122° 52' (92O/2W; 92J/15W)
 LILLOOET M.D. Seventeen kilometres north of Gold Bridge, at the head of Bonanza and Eldorado Creeks, on the west slope of Eldorado Mountain.

CLAIMS: LUCKY STRIKE (Lot 6828), LUCKY STRIKE FR. (Lot 6827), NEA FR. (Lot 6773), OX, HI GRADE FR., JG FR., K 4, K 5 (Lots 7431 to 7435), WG FR., ANN I, ANN (Lots 7578 to 7580), A 2 to A 8 (Lots 7582 to 7588), TAX FR. (Lot 7589), B 1 to B 8 (Lots 7591 to 7598), WG, VISTA, K 2 (Lots 7599 to 7601), JG 2 to JG 7 (Lots 7602 to

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(920/3E)

7607), K 6 (Lot 7608), HOMESTAKE NO. 4 (Lot 6829) plus the located claims GOLLUM (10 units), GOLDEN GHOSTS (20 units), TROLL (8 units), TROLL 1 to 5 Fractions.

OWNER: Chevron Canada Limited.

OPERATOR: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver V6C 2G8.

METALS: Gold, silver, zinc, antimony, mercury.

DESCRIPTION: A quartz diorite stock of Late Cretaceous or Late Tertiary age intrudes siltstones of the Upper Triassic Hurley Formation. Gold-bearing quartz-carbonate veins are present in an area of extreme fracturing within and near the intrusion.

WORK DONE: Surface geological mapping, 1:12 000, covering all of Gollum, Troll, and Golden Ghosts claim units; geochemical survey, approximately 34.4 line-kilometres, 556 soil samples analysed for gold and arsenic, covering the same claims (with some fill-in on older claims).

REFERENCES: Mineral Inventory 920-26, 92J/NE-32; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 118, E 119; Assessment Report 6002.

CONNEMARA (Fig. E-1, NTS 92, No. 37)

LOCATION: Lat. 51° 11' Long. 123° 06' (920/3E)

LILLOOET M.D. Forty-one kilometres north-northwest of Gold Bridge, on Graveyard Creek, 5 kilometres upstream from Big Creek.

CLAIMS: CONNEMARA (20 units), MOUSETROUSER (12 units).

OWNER: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver V6C 2G8.

DESCRIPTION: The property is underlain by Late Jurassic to Tertiary sedimentary rocks, which are intruded by Tertiary granodiorite stocks, as well as andesite and feldspar porphyry dykes of unknown age. Minor lamprophyre is also present. The sedimentary rocks include chert pebble conglomerate, greywacke, argillite, fossiliferous sandstone and conglomerate, and calcareous sandstone.

WORK DONE: Surface geological mapping, 1:5000, covering all claims; geochemical survey, 23 line-kilometres, 263 soil samples and 15 rock chip samples analysed for gold and arsenic, covering most of the claims.

REFERENCE: Assessment Report 6003.

WIL (Fig. E-1, NTS 92, No. 39)

LOCATION: Lat. 51° 04' Long. 123° 16' (920/3W)

CLINTON M.D. Twenty-three kilometres southeast of the south end of Taseko Lake, straddling Wilson Ridge, between Denain and Griswold Creeks.

CLAIMS: WIL 20, 21, 24, 25, 28, 29.

OWNER: W. MEYER, 1015, 470 Granville Street, Vancouver V6C 1V5.

1976

(92O/3W)

DESCRIPTION: Porphyritic flow rocks, tuffs, and cherts have been intruded by Coast Range diorite and are pervasively, and in some areas intensely, silicified.

WORK DONE: 1975 — reconnaissance geological mapping covering Wil 21, 24, 25, 28.

REFERENCES: Assessment Reports 5420, 5848.

TASEKO (Fig. E-1, NTS 92, No. 38)

LOCATION: Lat. 51° 06' Long. 123° 22' (92O/3W)

CLINTON M.D. At the confluence of Granite Creek and Taseko River.

CLAIMS: TASEKO, SUMI, SCUR, FLAPJACK 1 and 2, BABBLING BROOK 1, PERFECT DAY 2, OLD AND RARE 3, SPOKANE BLUE SKY 1, SPOKANE ROSY DAWN 2, SPOKANE BONANZA 3, SPOKANE LOOKOUT 4, LIMONITE 1 to 3 (Lots 3132 to 3134), AMAZON (Lot 5454), totalling approximately 200.

OWNERS: Aberdeen Minerals Limited and Scurry Rainbow Limited.

OPERATOR: QUINTANA MINERALS CORPORATION, 1215, Two Bentall Centre, Vancouver V7X 1M9.

METALS: Copper, gold, silver, molybdenum.

DESCRIPTION: Late Cretaceous andesitic volcanic rocks are intruded by a major granodiorite batholith. Pyrite, chalcopyrite, and molybdenite mineralization occurs in both rock types. Recent work has concentrated on irregular replacement zones in metavolcanic rocks near the contact.

WORK DONE: Surface diamond drilling, six BQ and AQ holes totalling 1 025 metres on Old and Rare; three BQ holes totalling 350 metres on Taseko 42, 43.

REFERENCES: Mineral Inventory 92O-1, 2, 4, 10, 29, 33, 37, 38, 39; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 119; Assessment Reports 5764, 6085.

BONAPARTE RIVER 92P

SONJA (Fig. E-1, NTS 92, No. 64)

LOCATION: Lat. 51° 38' Long. 120° 01' (92P/9E)

KAMLOOPS M.D. One kilometre east of Clearwater Station, on the south side of the North Thompson River.

CLAIMS: SONJA NO. 2 (Lot 6201), SONJA 3, 7, and 8.

OWNER: ROBERT J. FRANKS, Box 70, Vavenby V0E 3A0.

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

DESCRIPTION: A 10 to 40-metre-wide dyke cuts black phyllite, shale, and limestone which overlie greenstone. Quartz veins occur along the east side of the dyke.

WORK DONE: Legal survey covering Sonja No. 2 (Lot 6201); stripping, drilling, and blasting on Sonja 3; preparing drill sites on Sonja 7 and 8.

REFERENCES: Mineral Inventory 92P-49; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 318; 1974, p. 224; 1975, p. E 121.

1976

(92P/14E)

ERK (Fig. E-1, NTS 92, No. 40)

LOCATION: Lat. 51° 58' Long. 121° 11' (92P/14E)
CLINTON M.D. On Bradley Creek, 23 kilometres north-northwest of Forest Grove.

CLAIMS: ERK 3 to 16, 19 to 32, 38 to 48.

OWNER: EXPLORAM MINERALS LTD., 1004, 510 West Hastings Street, Vancouver V6B 1L8.

DESCRIPTION: No outcrops were observed on the property.

WORK DONE: Percussion drilling, two 2 holes totalling 30 metres on Erk 23.

REFERENCES: B.C. Dept. of Mines & Pet. Res., GEM, 1975, p. E 122; Assessment Report 6110.

SHERI (Fig. E-1, NTS 92, No. 41)

LOCATION: Lat. 51° 55' Long. 120° 53' (92P/15W)
CLINTON M.D. Nine kilometres north of Eagle Creek, at Island Lake.

CLAIMS: SHERI 39 to 42, 51, 53.

OWNER: H. J. Wahl.

OPERATORS: H. J. WAHL and R. SAMUELS, c/o 2601 Kerr-McGee Centre, Oklahoma City, Oklahoma 73125.

METALS: Iron, copper.

DESCRIPTION: The claims are located over the core of a regional aeromagnetic anomaly and are underlain by pegmatitic hornblendites and pyroxenites which are cut by diorite and trachyte dykes. All units are cut by shear zones. Strong zones of alteration include chlorite, biotite, epidote, serpentine, talc, carbonate, silica, and bleaching. Mineralization includes magnetite, pyrite, chalcopyrite, and traces of bornite.

WORK DONE: Linecutting, 6.5 kilometres; geological mapping, 1:4800; prospecting; and geochemical survey, 227 soil samples analysed for copper, nickel, cobalt, lead, zinc, and silver, covering all claims; four hand trenches totalling approximately 8 square metres.

REFERENCES: Mineral Inventory 92P-113, 132; Assessment Report 6122.

NOD, AKU, SL, CS (Fig. E-1, NTS 92, No. 42)

LOCATION: Lat. 51° 47' Long. 120° 23' (92P/16W)
KAMLOOPS M.D. Twenty-eight kilometres northwest of Clearwater, encompassing Patricia Lake.

CLAIMS: COSA (18 units), NOSTRA (18 units), PAT I (12 units), PAT II (18 units).

OWNER: VITAL MINES LTD., Box 10150, Pacific Centre, Vancouver V7Y 1C6.

METALS: Copper, molybdenum.

DESCRIPTION: Molybdenum mineralization is related to a late stage aplitic dyke system cutting the margins of a quartz monzonite stock which in turn intrudes biotite granodiorite.

1976

(102I/16E)

WORK DONE: Surface diamond drilling, five NQ holes, totalling 100 metres on Nostra (unit 15), 200 metres on Pat I (units 27 and 28), 200 metres on Pat II (unit 5); geochemical survey, 169 soil samples analysed for copper and molybdenum covering Nostra (units 15-18, 26, 27) and 180 soil samples analysed for copper and molybdenum covering Pat I (units 27, 28) and Pat II (units 5, 6); induced polarization survey, 6.5 line-kilometres on Cosa and Nostra and 4.9 line-kilometres on Pat I and II.

REFERENCES: Mineral Inventory 92P-22 to 24, 26, 103; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1970, p. 303; 1974, p. 229; Assessment Reports 1013, 1026, 2571, 5083, 5084, 5085, 6171.

CAPE SCOTT 102I

ELK (Fig. E-1, NTS 102, No. 24)

LOCATION: Lat. 50° 46' Long. 128° 03' (102I/16E)
NANAIMO M.D. Thirteen kilometres north-northwest of Holberg village, at Knob Hill.

CLAIMS: ELK 3 to 72, 75 to 90, 97 to 101, 103, 104, 117 to 124, 353 to 380, ELK X 1 (20 units), ELK X 2 (1 unit).

OWNER: Chevron Canada Limited.

OPERATOR: CHEVRON STANDARD LIMITED, 901, 355 Burrard Street, Vancouver V6C 2G8.

METALS: Copper, molybdenum.

DESCRIPTION: Finely disseminated chalcopyrite is present in andesitic to rhyodacitic Bonanza volcanic rocks in a complex structural setting bordering a batholith of the Island Intrusions. Pyritization and silicification are widespread. Other common alteration effects include sericite, chlorite, epidote, and biotite. Mineralization includes pyrite, pyrrhotite, and chalcopyrite, with minor molybdenite.

WORK DONE: Surface diamond drilling, 144 metres (76-1) and 113 metres (76-2) on Elk X 1 (unit 3), 116 metres (76-3) on Elk 75, 110 metres (76-4) on Elk 3, and 113 metres (76-5) on Elk 124; induced polarization survey, 16 line-kilometres, covering Elk X 1 (units 2, 3, 15) and Elk 5-8, 33, 34, 75, 76; basal till sampling (Pionjar drill), 24 sites sampled and assayed on Elk X 1 and Elk 3, 75, 76, 77, 123, 124.

REFERENCES: Mineral Inventory 92L-268; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 326; 1974, p. 230; 1975, p. E 123; Assessment Reports 5352, 5809, 6170.

QUESNEL LAKE 93A

MAC (Fig. E-1, NTS 93, No. 23)

LOCATION: Lat. 52° 06' Long. 121° 24' (93A/3W)
CARIBOO M.D. Thirty-five kilometres east of 150 Mile House and 3 kilometres east of McIntosh Lakes.

CLAIMS: MAC 1 (16 units), MAC 2 (8 units), MAC 3 (12 units).

OWNER: CITIES SERVICE MINERALS CORPORATION, 405, 1200 West Pender Street, Vancouver V6E 2S9.

WORK DONE: Surface diamond drilling, one BQ hole totalling 299.1 metres on Mac 1.

REFERENCE: Assessment Report 6183.

DUCK (Fig. E-1, NTS 93, No. 3)

LOCATION: Lat. 52° 18' Long. 121° 51' (93A/5E)
CARIBOO M.D. Twenty-two kilometres north-northeast of 150 Mile House, 3 kilometres east of Skulow Lake.

CLAIMS: DUCK 1, 2, 17, 20, 31, 35, 37.

OWNER: BURTON WESTWICK, Box 4445, Williams Lake.

WORK DONE: Prospecting covering all claims.

PROVIDENCE (Fig. E-1, NTS 93, No. 1)

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.

OWNER: DeKALB MINING CORPORATION, 630 Sixth Avenue SW., Calgary, Alberta T2P 0S8.

METALS: Silver, Lead.

DESCRIPTION: The area is underlain by rocks of the Cariboo Group of Cambrian age, consisting of phyllite schist, sericite schist, and argillite. Scattered sulphide mineralization is found in three vein structures.

WORK DONE: Surface geological mapping, 1:2400; geochemical survey, 200 soil samples, covering Like 1, 2, 4, 5; trenching, 105 metres.

REFERENCES: Mineral Inventory 93A-3; *Minister of Mines, B.C.*, Ann. Rept., 1902, p. 86; 1926, pp. 177, 178; 1947, pp. 127, 128; 1948, p. A 91; 1949, p. A 103; 1967, p. 124; *Geol. Surv., Canada*, Ann. Rept., 1887-1888, Vol. III, Pt. 1, Rept. C, p. 47; Assessment Reports 3944 (BG), 6048.

1976

(93A/12E)

LOCK, HINGE (Fig. E-1, NTS 93, No. 12)

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 (2 units), LOCK 2 (4 units), LOCK 3 (20 units), LOCK 4 (12 units), LOCK 5 (20 units), LOCK 6 (4 units), HINGE 1 (15 units), HINGE 2 (8 units).

OWNER: V. Ronka.

OPERATOR: CANADIAN AMERICAN LOAN & INVESTMENT CORP. LTD., 319, 475 Howe Street, Vancouver.

METAL: Gold.

DESCRIPTION: The majority of rocks are intermediate to basic volcanic and intrusive, with strong, although sporadic, alkalic character. Earlier or later sedimentary rocks seem to play a very minor role. A systematic search for exposures has not been done and the surficial deposits have been observed in detail only in the northern part of the claims.

WORK DONE: Topographic survey; magnetometer survey, 110 line-kilometres; VLF EM survey, 10 line-kilometres; and geochemical survey, 358 soil samples (261 analysed), covering Hinge 1 (15 units) and Hinge 2 (8 units).

REFERENCES: Assessment Reports 5954, 5955, 5956.

PR (Fig. E-1, NTS 93, No. 2)

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: PR 2 (8 units), PR 3 (4 units), PR 4 (8 units), PR 5 (16 units).

OWNERS: NEWCONEX CANADIAN EXPLORATION LTD., 808, 525 Seymour Street, Vancouver and DOME EXPLORATION (CANADA) LIMITED, 600, 365 Bay Street, Toronto, Ontario.

METALS: Copper, gold.

DESCRIPTION: Chalcopyrite is disseminated in pyritic and altered volcanic rocks and at the margin of a small stock of augite diorite.

WORK DONE: Grid preparation and magnetometer survey, 32 line-kilometres; geochemical survey, 299 soil samples, covering all claims; road construction, 6 kilometres.

REFERENCES: Mineral Inventory 93A-121; Assessment Report 6079.

DAPHNE (Fig. E-1, NTS 93, No. 4)

LOCATION: Lat. 52° 46' Long. 121° 59' (93A/13W, 93B/16E)
CARIBOO M.D. Forty kilometres southeast of Quesnel, immediately to the northeast and southeast of Nyland Lake.

CLAIMS: DAPHNE 1 to 4, RAINI (2 units), ALICE (2 units), JUNE (20 units), AUGUSTA (6 units), ELIZABETH (6 units), HOPE (6 units), KATIE (16 units).

1976

(93A/14W)

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

METAL: Molybdenum.

DESCRIPTION: Cretaceous intrusive rocks of granodioritic composition contain sporadic areas of weakly developed quartz-molybdenite stringers. In one locality, disseminated molybdenite and pyrite is contained in post-intrusive aplite dykes.

WORK DONE: Surface geological mapping, 1:5000; induced polarization survey, 7 line-kilometres; and magnetometer survey, 8.7 line-kilometres, covering Daphne, Raini, and June; geochemical survey, 1 439 soil samples (664 analysed for copper and molybdenum), covering Alice, Augusta, Daphne, Elizabeth, Hope, Katie, June, and Raini.

REFERENCES: Mineral Inventory 93A-123; Assessment Report 6076.

CARIBOO-HUDSON (Fig. E-1, NTS 93, No. 21)

LOCATION: Lat. 52° 53' Long. 121° 20' (93A/14W)
CARIBOO M.D. Fifteen kilometres north-northeast of Keithley Creek at the headwaters of Cunningham Creek.

CLAIMS: Mineral Lease M-32, JIM (3 units).

OWNER: RESOURCEX LTD., c/o Allen Resource Consultants Ltd., Box 7248, Station E, Calgary, Alberta.

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

DESCRIPTION: Precambrian or Cambrian metamorphosed sedimentary rocks, primarily limestone chlorite schists, and slates of the Snowshoe Formation, are bent into a broad syncline through the central part of the property which is in turn cut by the Copper Creek fault. Mineralization is in the form of gold-galena veins, galena-sphalerite-pyrrhotite veins, and scheelite lenses.

WORK DONE: VLF EM survey, 13 680 line-metres (912 stations) and geochemical survey, 1 306 soil samples analysed for lead, zinc, copper, silver, and tungsten, covering a portion of Mineral Lease M-32 and Jim (parts of units 1-3).

REFERENCES: Mineral Inventory 93A-71; *B.C. Dept. of Mines & Pet. Res.*, Bull. No. 10, pp. 93-95; Bull. No. 34, pp. 57, 58; *Geol. Surv., Canada*, Paper 38-16, pp. 27-31; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 294.

PARK (Fig. E-1, NTS 93, No. 11)

LOCATION: Lat. 52° 54' Long. 121° 22' (93A/14W)
CARIBOO M.D. Approximately 27 kilometres southeast of Barkerville, on Cunningham Creek, due west of Roundtop Mountain.

CLAIMS: PARK 1 to 12.

OWNER: RUEBEN J. MILLER, Box 4361, Quesnel V1J 3J4.

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

1976

(93B/1E)

DESCRIPTION: The claims lie in the Snowshoe Formation which is mostly quartzites, argillites, schists, limy argillites, and limestones. Mineralization is in quartz veins and shear zones that mostly follow rock structure, and as replacement bands in limy argillite and impure limestone.

WORK DONE: Clean-up (pick and shovel) of mineral sections exposed by bulldozer, covering Park 1-12.

REFERENCES: Mineral Inventory 93A-60; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 333; 1975, p. E 127; Assessment Reports 3521, 4587, 4642, 5609.

QUESNEL 93B

EM (Fig. E-1, NTS 93, No. 5)

LOCATION: Lat. 52° 06' Long. 122° 01' (93B/1E)
CARIBOO M.D. Approximately 1 kilometre south of the east end of Williams Lake.

CLAIMS: EM 2, 4, 6, 7, 9.

OWNER: CARPIQUET MINES LTD., Box 157, Ashcroft.

METAL: Copper.

DESCRIPTION: Disseminated chalcopryite and bornite occurs in a Mesozoic intrusion showing hydrothermal alteration.

WORK DONE: Percussion drilling (and assaying), two holes totalling 90 metres on EM 2.

REFERENCES: Mineral Inventory 93B-31; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 241; Assessment Reports 5380, 5926.

CAN (Fig. E-1, NTS 93, No. 18)

LOCATION: Lat. 52° 55' Long. 122° 11' (93B/16E)
CARIBOO M.D. About 22 kilometres east-southeast of Quesnel, on the headwaters of Cantin Creek.

CLAIM: CAN 1 (20 units).

OWNERS: NEWCONEX CANADIAN EXPLORATION LTD., 808, 525 Seymour Street, Vancouver and DOME EXPLORATION (CANADA) LIMITED, 600, 365 Bay Street, Toronto, Ontario.

WORK DONE: Magnetometer survey, 20 kilometres and geochemical survey, 86 soil samples, covering Can 1.

WHITESAIL LAKE 93E**WEE (Fig. E-1, NTS 93, No. 26)**

LOCATION: Lat. 53° 43' Long. 127° 10' (93E/11E)
 OMINECA M.D. Surrounding the east end of Sweeney Lake and extending 3.6 kilometres east from Sweeney Lake.

CLAIMS: WEE 1 to 41, 43, 45, 47, 49, 51, 53, 55, 57 to 74, 110, 112, 114, 116, 118.

OWNER: HUDSON'S BAY OIL AND GAS COMPANY LIMITED, 700 Second Avenue SW., Calgary, Alberta T2P 0X5.

METAL: Copper.

DESCRIPTION: Chalcopyrite and pyrite are unevenly distributed in open space fillings in several shatter breccia bodies composed of angular tuff and andesite fragments. The breccia bodies are part of a southerly dipping sequence of Hazelton Group volcanic and sedimentary rocks of Middle Jurassic age that have been intruded by several small weakly altered granodiorite stocks.

WORK DONE: Reconnaissance induced polarization survey, 20.1 line-kilometres and detailed induced polarization survey, 7 line-kilometres, covering Wee 1-14, 25-28, 38, 63, 64, and 70.

REFERENCES: Mineral Inventory 93E-86; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, pp. 243, 244; Assessment Report 5978.

SWEENEY (Fig. E-1, NTS 93, No. 42)

LOCATION: Lat. 53° 44' Long. 127° 06' (93E/11E, 14E)
 OMINECA M.D. Three kilometres north of the west end of Tahtsa Reach.

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

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B 3T5.

DESCRIPTION: The property is underlain by fresh volcanic and sedimentary rocks of the Hazelton Group.

WORK DONE: Prospecting covering most of the claim units.

VIRGINIA (Fig. E-1, NTS 93, No. 51)

LOCATION: Lat. 53° 49' Long. 127° 02' (93E/14E)
 OMINECA M.D. Sixty-nine kilometres south-southwest of Houston, on and west of Twinkle Lake.

CLAIMS: VIRGINIA 1 (18 units), VIRGINIA 2 (18 units).

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B 3T5.

DESCRIPTION: The property is underlain by sedimentary and volcanic rocks of the Hazelton Group.

1976

(93E/14E)

WORK DONE: *Linecutting, 28.2 kilometres; geochemical survey, 70 soil samples analysed for copper, zinc, lead, and molybdenum; magnetometer survey, 26 line-kilometres; induced polarization survey, 11.1 line-kilometres; VLF EM survey, 26 line-kilometres; and C EM survey, 26 line-kilometres, covering Virginia 1 and 2.*

SYLVIA (Fig. E-1, NTS 93, No. 27)

LOCATION: Lat. 53° 51' Long. 127° 11' (93E/14E)

OMINECA M.D. Seventy kilometres south-southwest of Houston, 8 kilometres southwest of the west end of Nadina Lake.

CLAIMS: SYLVIA 1 to 18, 20, 22, 24, 26, 29, 30, 33 to 36.

OWNER: Hudson's Bay Oil and Gas Company Limited.

OPERATOR: RIO TINTO CANADIAN EXPLORATION LIMITED, 555 Burrard Street, Vancouver.

METALS: Copper, molybdenum.

DESCRIPTION: Pyrite and chalcopyrite are disseminated in Hazelton volcanic rocks and in the intruding quartz diorite plug.

WORK DONE: *Induced polarization survey, 12.5 kilometres and magnetometer survey, 4.6 kilometres, covering Sylvia 5, 7, 11-16.*

REFERENCES: Mineral Inventory 93E-89; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 246; 1975, p. E 129; Assessment Reports 5054, 5213, 5670, 5671, 6078.

BA (Fig. E-1, NTS 93, No. 28)

LOCATION: Lat. 53° 52' Long. 127° 07' (93E/14E)

OMINECA M.D. Three kilometres southwest of Nadina Lake.

CLAIMS: BA, BB, BC, BD (16 units each).

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METAL: Iron.

DESCRIPTION: The area underlying the claim block is largely drift covered, and the bedrock geology has been interpreted on the basis of information obtained from drill cuttings. From these it is concluded that the area is underlain by a typical assemblage of Hazelton Group volcanic rocks ranging from green and maroon andesites to feldspar porphyries and acid tuffs. Magnetite and hematite are present in small amounts in all samples but sulphides are rare, consisting exclusively of fine-grained pyrite.

WORK DONE: *Percussion drilling, two holes totalling 128 metres on BA (units 3, 19), two holes totalling 85.4 metres on BB (units 3, 18), two holes totalling 97.6 metres on BC (units 14, 19), and four holes totalling 244 metres on BD (units 1, 3, 14, 16); road construction, 10.4 kilometres, covering BA, BB, BC, and BD.*

REFERENCE: Mineral Inventory 93E-93.

1976

(93E/14E)

L&H (Fig. E-1, NTS 93, No. 52)

LOCATION: Lat. 53° 57' Long. 127° 04' (93E/14E)
OMINECA M.D. Fifty-four kilometres south-southwest of Houston on Johnny David Lake.

CLAIMS: FAL 1 (18 units), FAL 2 (18 units).

OWNER: CITIES SERVICE MINERALS CORPORATION, 405, 1200 West Pender Street, Vancouver V6E 2S9.

METAL: Copper.

DESCRIPTION: Andesite tuff, chert, and siltstone are intruded by quartz diorite porphyry. Minor copper is found in fractures in the quartz diorite.

WORK DONE: Surface geological mapping, 1:3000, covering all claims.

REFERENCES: Mineral Inventory 93E-72; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 346; Assessment Report 4184.

DUAL (Fig. E-1, NTS 93, No. 57)

LOCATION: Lat. 54° 00' Long. 126° 49' (93L/2W; 93E/15W)
Report on this property in NTS 93L.

NECHAKO RIVER 93F

NED (Fig. E-1, NTS 93, No. 20)

LOCATION: Lat. 53° 18' Long. 125° 12' (93F/6E)
OMINECA M.D. Approximately 115 kilometres southwest 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).

OWNER: GRANGES EXPLORATION AKTIEBOLAG, 1060, 1055 West Hastings Street, Vancouver V6E 2E9.

DESCRIPTION: The work to date has disclosed geochemical anomalies in copper and molybdenum. The source is presumed to lie within Capoose batholith plutonic rocks but the area is completely covered by overburden.

WORK DONE: Surface geological mapping, 1:10 000, covering B (18 units) and D (18 units); magnetometer survey, 200.6 line-kilometres, covering Ned (16 units), A (18 units), B (18 units), C (6 units), and D (18 units); geochemical survey, 1 950 soil samples analysed for copper, molybdenum, and silver, covering Ned (16 units), A (18 units), B (18 units), C (6 units), and D (18 units).

REFERENCES: Assessment Reports 5934, 6004, 6007.

1976

(93F/6E)

H (Fig. E-1, NTS 93, No. 16)

LOCATION: Lat. 53° 18' Long. 125° 13' (93F/6E)
OMINECA M.D. At the headwaters of Capoose Creek, just west of Green Lake, approximately 115 kilometres southwest of Vanderhoof.

CLAIM: H (9 units).

OWNER: CITIES SERVICE MINERALS CORPORATION, 405, 1200 West Pender Street, Vancouver.

DESCRIPTION: Outcrops are non-existent within the targeted area, and soil cover may be as thick as 15 to 22 metres. The area is underlain by an abutment of the Capoose Lake stock including Takla Group volcanic rocks.

WORK DONE: 1975 — magnetometer survey, 8.6 line-kilometres and induced polarization survey over base line and one grid line, covering H (9 units).

REFERENCES: Assessment Reports 2780, 5890.

CABIN (Fig. E-1, NTS 93, No. 6)

LOCATION: Lat. 53° 53' 125° 02' (93F/14E)
OMINECA M.D. Twenty-three kilometres south of the community of Endako, the western end of Cabin Lake included within the block of claims.

CLAIMS: CABIN 1, 3, 5, 9 to 14, SWAMPY 1 to 4, SHACK 8, 9, 11 to 17, CB 1 (9 units), CB 2 (14 units), CB 3 (19 units), CB 4 (13 units), CB 5 (6 units), CB 6 (20 units), CB 7 (15 units).

OWNER: NITHEX EXPLORATION AND DEVELOPMENT LTD., 904, 975 West Hastings Street, Vancouver.

METALS: Silver, lead, zinc, minor copper.

DESCRIPTION: Rocks of the area vary from Takla Group volcanic rocks of Late Triassic age to Miocene or later plateau basalts. The major rock unit occurring within the claim over is a fine-grained phase of Topley granodiorite. Areas of showing are characterized by a core of intensely silicified granodiorite with heavy manganese stain on fractures.

WORK DONE: Surface geological mapping, magnetometer survey, 34.2 line-kilometres; and geochemical survey, 1 313 soil samples analysed for lead, zinc, and silver, covering Swampy, Shack, and Cabin claims; VLF EM survey, 3.8 kilometres.

REFERENCES: Mineral Inventory 93F-38; Assessment Report 5983.

NITHI, JEN (Fig. E-1, NTS 93, No. 7)

LOCATION: Lat. 53° 59' Long. 124° 52' (93F/14W)
OMINECA M.D. Eight kilometres south of Fraser Lake, on Nithi Mountain.

CLAIMS: MOLLY 1 to 14, 17, 18, MJM 8 to 23, MJM 6 and 7 Fractions, PINE 1 and 2 Fractions, DAD 1 to 3, 16, 17, 46, 48, 72, 97 to 101, 103 to 105, and 109 Fractions, DAD 4 to 15, 18 to 39, 42 to 45, 45, 47, 49 to

1976

(93G/2W)

57, 59 to 63, 65 to 70, 73 to 88, 90, 92, 94, 96, 106 to 108, 110 to 112, 118, 120, 122, DAD 123 (2 units), DAD 125 (1 unit).
OWNERS: Amax Potash Limited and Andrew Robertson.
OPERATOR: AMAX POTASH LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.
METAL: Molybdenum.
DESCRIPTION: The Nithi Mountain property is underlain by phases of Topley intrusions, which range from diorite to granite and include porphyritic felsic dykes. Quartz-molybdenite veins occur in coarse-grained quartz monzonite and medium-grained granite. Argillic, phyllic, and potassic alteration is associated with the quartz-molybdenite veins.
WORK DONE: Percussion drilling, 12 holes totalling 960 metres on Dad 3 Fraction, 4, 5, 6, 8, 29 and Molly 1, 11.
REFERENCES: Mineral Inventory 93F-6 to 17; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 132; Assessment Reports 5489, 5714, 5915.

PRINCE GEORGE 93G

G, RB (Fig. E-1, NTS 93, No. 17)

LOCATION: Lat. 53° 10' Long. 122° 55' (93G/2W)
CARIBOO M.D. On the east side of Charleson Creek, south of Blackwater Mountain, 35 kilometres northwest of Quesnel.
CLAIMS: G 8, 10, RB 1, 3 to 8.
OWNER: BALI EXPLORATION LTD., Box 1874, Edmonton, Alberta T5J 2P2.
METAL: Copper.
DESCRIPTION: Mineralization observed has been a scant amount of small disseminated pyrite cubes in a fine-grained intrusive outcrop reportedly of andesitic composition. Within this rock highly weathered chalcopyrite has been reported. Structural relationship to adjacent basalts and Cache Creek sedimentary rocks is unknown. Geochemical anomalies of small order have been reported for copper and nickel.
WORK DONE: Prospecting (six test pits) and road construction (400 metres) on G 8, 10 and RB 1.
REFERENCES: Mineral Inventory 93G-27; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 349; 1973, p. 328; Assessment Report 5931.

FORT FRASER 93K

ROB, FRAN (Fig. E-1, NTS 93, No. 10)

LOCATION: Lat. 54° 01.5' Long. 125° 08.5' (93K/3E)
OMINECA M.D. Ten kilometres southwest of the Endako mine.
CLAIMS: ROB 1 to 22, FRAN 34, 36, 38, 40, 42, 44.

1976

(93K/3E)

OWNER: DANKOE MINES LTD., 2002, 1177 West Hastings Street, Vancouver V6E 2K3.
METAL: Molybdenum.
DESCRIPTION: Drilling revealed partly kaolinite altered Francois granite that is crosscut by numerous narrow dykes.
WORK DONE: Surface diamond drilling, two NQWL holes totalling 152.4 metres on Rob 1 and 3.
REFERENCES: Mineral Inventory 93K-13, 80; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 253; 1975, p. E 137; Assessment Reports 507, 3177, 3178, 5055, 5936.

NU, ELK (Fig. E-1, NTS 93, No. 9)

LOCATION: Lat. 54° 03' Long. 125° 09' (93K/3E)
OMINECA M.D. Nine kilometres west-southwest of Endako village.
CLAIMS: NU, ELK, DAT, DIS, SAM totalling about 83.
OWNER: CANEX PLACER LIMITED, Endako Mines Division, Endako V0J 1L0.
METAL: Molybdenum.
DESCRIPTION: Quartz-molybdenite veins with minor pyrite and magnetite occur as a stockwork in quartz monzonite that has been variously altered by kaolinization. Pre-mineral quartz feldspar porphyry and porphyritic granite dykes are locally encountered. Faults commonly offset major vein systems.
WORK DONE: Surface diamond drilling, eight NQ holes totalling 854 metres on Nu 1-6.
REFERENCES: Mineral Inventory 93K-8; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 331; 1974, p. 253; 1975, p. E 136; Assessment Reports 376, 498, 523, 525, 5021, 5227, 5623, 5893.

SMITHERS 93L

GILLIAN (Fig. E-1, NTS 93, No. 49)

LOCATION: Lat. 54° 10' Long. 126° 24' (93L/1W)
OMINECA M.D. Thirty-one kilometres south-southeast of Houston on the Buck Creek Road.
CLAIMS: GILLIAN EAST (8 units), GILLIAN WEST (12 units), LOYD (8 units), LOYD NORTH (14 units), DIANE (6 units), DOUGLAS I (12 units).
OWNER: GILLIAN MINES LTD., 906, 675 West Hastings Street, Vancouver V6B 1N2.
DESCRIPTION: Percussion-drill cuttings and available outcrop have shown that the Gillian claim holdings in the Goosly Lake area are underlain by tuffs and flows intruded on the west by a basic stock. West of the stock is a hill which suggests a dome of brecciated rhyolite. Some sulphides were encountered on drilling in this area. Geochemical indications of copper, silver, and zinc are present.

1976

(93L/2E)

WORK DONE: Surface geological mapping, 1:5000; linecutting, 49.9 kilometres; geochemical survey, 830 soil samples analysed for copper, silver, zinc, lead, and arsenic; induced polarization survey, 47.5 line-kilometres; and VLF EM survey, 47.5 line-kilometres (plus 6.7 line-kilometres of reconnaissance), covering Gillian East and Gillian West; percussion drilling, eight holes totalling 686.1 metres on 2 units of Gillian West.

REFERENCES: Assessment Reports 6148, 6150, 6151.

IRK (Fig. E-1, NTS 93, No. 56)

LOCATION: Lat. $54^{\circ} 12'$ Long. $126^{\circ} 38'$ (93L/2E)
OMINECA M.D. Twenty-four kilometres south of Houston and 1 kilometre east 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: AMERICAN SMELTING AND REFINING COMPANY, 504, 535 Thurlow Street, Vancouver V6E 3L2.

DESCRIPTION: The Goosly and Buck Creek volcanic rocks cap ridges along the eastern boundary of the property. Most of the property is devoid of outcrop. Anomalous concentrations of zinc occur in the soils.

WORK DONE: Topographic survey, 9.2 line-kilometres and geochemical survey, 187 soil samples analysed for copper, zinc, and silver, covering Irk I and III.

DUAL (Fig. E-1, NTS 93, No. 57)

LOCATION: Lat. $54^{\circ} 00'$ Long. $126^{\circ} 49'$ (93L/2W; 93E/15W)
OMINECA M.D. Forty-five kilometres south-southwest of Houston, at the east end of Tagetochlain and Duck Lakes, on the Nadina River.

CLAIMS: DILYS (20 units), ASPEN (20 units), PETER (16 units), MIKE (16 units), JOE (16 units), MARY-R (20 units), DUCK (20 units), MARY-O (20 units), MARY-C (15 units), SHEILA (8 units).

OWNER: DUAL RESOURCES LTD., 5316 Fleming Street, Vancouver.

METAL: Copper.

DESCRIPTION: Copper sulphide mineralization is exposed in trenches on the Dilys claim.

WORK DONE: Airborne magnetometer and VLF EM surveys, 404 line-kilometres, and geochemical survey, 120 soil samples assayed for copper, molybdenum, and silver, covering all claims.

REFERENCES: Mineral Inventory 93E-94; Assessment Report 6126.

POPLAR (Fig. E-1, NTS 93, No. 30)

LOCATION: Lat. $54^{\circ} 01'$ Long. $126^{\circ} 59'$ (93L/2W, 3E; 93E/15W)
OMINECA M.D. Forty-eight kilometres south-southwest of Houston, on the north side of Tagetochlain (Poplar) Lake.

1976

(93L/2W)

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 142, 145 to 186, 195 to 212, 229 to 236, TAG 1 and 2 Fractions, HILL 15 to 18, WAR 1 (4 units).

OWNER: National Trust Company Limited.

OPERATOR: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

METALS: Copper, molybdenum.

DESCRIPTION: A Tertiary (?) biotite porphyry 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 inner zone of pyrite and minor chalcopyrite and molybdenite in closely spaced fractures and as fine disseminations.

WORK DONE: Surface geological mapping, 1:2500, geochemical survey, 1 331 soil samples analysed for copper and molybdenum; magnetic and altimeter survey, 91.4 line-kilometres; linecutting, 15.1 line-kilometres; flagging of picket lines, 110 line-kilometres; and road control survey, 6.7 kilometres, covering Poplar 57, 59, 66-71, 74, 76-88, 90, 92, 94, 95, Don 6, 7, 14, 15, 45, 54, Lake 1-36, Pine 1-22, Tag 1-9, 11-15, 17, 19, 21, 23-28, 30-44, 197-207, Tag 1 Fraction; induced polarization survey, 8.6 line-kilometres, covering Poplar 68-71, 80, 82, 83; trenching, 450 metres on Poplar 82 and Pine 11, 12; surface diamond drilling, 19 NQ holes totalling 4 334 metres on Poplar 3, 5, 7, 9, 13, 15 and Poplar 1 Fraction; road construction, approximately 2.3 kilometres on Poplar 3, 7, 9, 15, 17, 54, 55, 57, 80-82, Poplar 1 Fraction, and Pine 11, 12.

REFERENCES: Mineral Inventory 93L-239; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 256; 1975, p. E 138; Assessment Reports 3665, 5360, 5361, 5586, 5679, 6065, 6136.

FENTON (Fig. E-1, NTS 93, No. 45)

LOCATION: Lat. 54° 09' Long. 126° 55' (93L/2W)
OMINECA M.D. On Fenton Creek, 5 kilometres south-southwest of its junction with the Morice River.

CLAIMS: FENTON 1 to 14, 15 (2 units), 16 (1 unit), 27 (1 unit), 28 (4 units), 29 (2 units), 30 (1 unit).

OWNER: R. B. Stokes.

OPERATOR: BRITISH NEWFOUNDLAND EXPLORATION LIMITED, 704, 602 West Hastings Street, Vancouver.

METALS: Copper, silver, zinc.

DESCRIPTION: Bedrock exposures are scarce as the property is mostly covered with drift. The claims are underlain by a variety of lithologies which include: basalts, massive and agglomeratic andesites, acid tuffs and tuff breccias, massive and brecciated rhyolites, and sedimentary rocks. Pyrite and vein chalcopyrite are found in and near a trench.

1976

(93L/2W)

WORK DONE: Surface geological mapping, 1:4800; induced polarization and VLF EM surveys, 6.6 kilometres each; and geochemical survey, 577 soil samples, covering all claims; percussion drilling, 12 holes totalling 550 metres; trenching (bulldozer and backhoe), 375 metres.

REFERENCES: Mineral Inventory 93L-248; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 138; Assessment Report 5684.

RED (Fig. E-1, NTS 93, No. 29)

LOCATION: Lat. 54° 10' Long. 126° 58' (93L/2W)
OMINECA M.D. Thirty-three kilometres southwest of Houston, on Code Creek about 4 kilometres south of Morice River.

CLAIMS: RED 1 (16 units), RED 2 (9 units).

OWNER: VITAL MINES LTD., Box 10150, Pacific Centre, Vancouver V7Y 1C6.

DESCRIPTION: The property covers part of a window of Hazelton Group rocks in younger volcanic rocks. Hazelton tuffs and agglomerates are chloritized and hematitized. In places, overburden is 20 metres thick. There are extensive anomalous geochemical values in soils but their source remains undiscovered.

WORK DONE: Induced polarization and VLF EM survey, 30 kilometres, covering Red 1 (units 1-16); surface diamond drilling, two BQ holes totalling 310 metres on Red 1 (units 3 and 24); road construction (drill access), approximately 3 000 metres on Red 1 (units 1, 13, 14, 20).

REFERENCE: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, pp. 373-379 (Code, Fen).

DOME (Fig. E-1, NTS 93, No. 31)

LOCATION: Lat. 54° 26' Long. 127° 10' (93L/6E)
OMINECA M.D. Twenty-eight kilometres south-southwest of Telkwa, at the headwaters of Denys Creek.

CLAIMS: DOME 8 to 17, DOMINION GROUP 1 and 2, WOW I, EMOD I.

OWNER: Maharaja Minerals, Limited.

OPERATOR: CUSTOMER MINING SERVICES LIMITED, Box 533, Station A, Vancouver V6C 2N3.

METALS: Copper, silver.

DESCRIPTION: Hazelton Group andesite has been altered to epidote. Mineralization consists of bornite, chalcopyrite, and chalcocite with local zones rich in specularite, moderate chlorite alteration, and some calcite stringer.

WORK DONE: 1975 — surface diamond drilling, nine holes totalling approximately 300 metres on Dome, Dominion and/or Wow.

REFERENCES: Mineral Inventory 93L-49; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 383; 1973, p. 341.

STAR, KLONDIKE (Fig. E-1, NTS 93, No. 33)

LOCATION: Lat. 54° 22' Long. 126° 34' (93L/7E)
OMINECA M.D. Seven kilometres southeast of Houston, on the north side of Dungate Creek.

CLAIMS: HOT 1 to 14, HOT 1 to 6 Fractions, CU 2, 4, 6, 8 to 16, 18, 19, 21, 25, 27, 29, CU 1 and 2 Fractions.

OWNER: R. Blusson.

OPERATOR: CITIES SERVICE MINERALS CORPORATION, 405, 1200 West Pender Street, Vancouver V6E 2S9.

METALS: Copper, minor molybdenum.

DESCRIPTION: A biotite-quartz feldspar porphyry stock intrudes Hazelton tuffs and argillite. Mineralization, consisting of pyrite, chalcopyrite, and minor molybdenite, is scattered throughout the stock.

WORK DONE: Percussion drilling, 10 holes totalling 870 metres on Hot 1, 2, 4, 9, 11 and Hot 1 Fraction.

REFERENCES: Mineral Inventory 93L-10; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, pp. 384-390; 1974, p. 259; 1975, p. E 140; Assessment Reports 909, 1157, 1181, 4954, 5759, 5935.

CHIEF (Fig. E-1, NTS 93, No. 32)

LOCATION: Lat. 54° 22' Long. 126° 34' (93L/7E)
OMINECA M.D. Six kilometres southeast of Houston, on the north side of Dungate Creek.

CLAIMS: CHIEF 1, 3, 5 to 8.

OWNER: MOUNTAIN PASS MINES LTD., 711, 850 West Hastings Street, Vancouver V6C 1E2.

DESCRIPTION: Dominant rocks in the area are volcanic rocks of the Jurassic Hazelton Group with lesser amounts of interstratified sedimentary rock. Outcrops on the property are rare.

WORK DONE: Eighty-eight core specimens from six drill holes examined; 19 thin sections petrographically examined (Chief 6).

REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, pp. 384-390; Assessment Report 5882.

JACK RABBIT (Fig. E-1, NTS 93, No. 34)

LOCATION: Lat. 54° 34' Long. 126° 24' (93L/9W)
OMINECA M.D. Six kilometres north-northeast of Perow, 1 kilometre east of Johnny David Creek.

CLAIM: JACK RABBIT (1 unit).

OWNER: A. MESICH, Box 267, Smithers.

METALS: Copper, gold, silver.

DESCRIPTION: Chalcopyrite, pyrite, and minor magnetite occur in a northwest-trending quartz feldspar porphyry dyke and in an adjacent fault cutting epidotized Hazelton Group volcanic rocks. The area is one of very limited outcrop.

1976

(93L/9W)

WORK DONE: Hand trenching, approximately 10 cubic metres on Jack Rabbit.

REFERENCES: Mineral Inventory 93L-19; *Minister of Mines, B.C.*, Ann. Rept., 1937, pp. 342, 343; Assessment Report 4760.

JACOB (Fig. E-1, NTS 93, No. 59)

LOCATION: Lat. 54° 43' Long. 126° 17' (93L/9W)
OMINECA M.D. Fifteen kilometres southwest of Topley Landing, 2 kilometres north of Baboon Lake.

CLAIMS: JACOB 1 to 16, JACOB 1 to 6 Fractions.

OWNER: R. Woolverton.

OPERATOR: BRITISH NEWFOUNDLAND EXPLORATION LIMITED, 704, 602 West Hastings Street, Vancouver V6B 1P2.

METALS: Copper, minor molybdenum.

DESCRIPTION: Pyrite, minor chalcopyrite, molybdenite, and traces of bornite occur in altered volcanic rocks and biotite feldspar porphyry.

WORK DONE: Percussion drilling, 11 holes totalling 450 metres.

REFERENCES: Mineral Inventory 93L-243; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 260.

TERESA (Fig. E-1, NTS 93, No. 58)

LOCATION: Lat. 54° 44' Long. 126° 16' (93L/9W)
OMINECA M.D. Immediately southwest of Mile 41 on the Northwood Road, 10 kilometres southwest of Topley Landing.

CLAIM: TERESA (20 units).

OWNER: Evergreen Explorations Ltd.

OPERATOR: BRITISH NEWFOUNDLAND EXPLORATION LIMITED, 704, 602 West Hastings Street, Vancouver V6B 1P2.

DESCRIPTION: A buried, hydrothermally altered, biotite feldspar porphyry stock is suggested by a concentration of angular float specimens and pyritized wallrock revealed by backhoe pits. Although no strong biotitization was noted, six short percussion holes were drilled which confirmed the presence of a very weak porphyry centre.

WORK DONE: Percussion drilling, six holes totalling 250 metres.

REFERENCE: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 140, E 141.

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, Fishpan Lake lying at the southeast part of the property.

CLAIMS: MINERAL HILL (16 units), MINERAL HILL A (2 units), MINERAL HILL B (2 units).

OWNER: GRANBY MINING CORPORATION, Box 2519, Smithers.

1976

(93L/10E)

METALS: Molybdenum, copper, (silver, lead, zinc).
DESCRIPTION: Molybdenite occurs with minor amounts of copper, silver, lead, and zinc within a small granitic intrusion and 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: Reconnaissance magnetometer survey, 10.2 kilometres; percussion drilling, 12 holes totalling 672 metres; and road construction, 3.2 kilometres, on Mineral Hill.
REFERENCES: Mineral Inventory 93L-27, 28; *Minister of Mines, B.C.*, Ann. Rept., 1965, p. 75; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 142; Assessment Reports 509, 510, 757, 2285, 2517, 6152.

DEEP CREEK, DEL SANTO (Fig. E-1, NTS 93, No. 36)

LOCATION: Lat. 54° 39' Long. 126° 42' (93L/10E)
OMINECA M.D. Twenty-eight kilometres north of Houston, on the north side of Deep Creek.
CLAIMS: DEL SANTO 1 to 6.
OWNER: M. Chapman.
OPERATOR: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.
METALS: Copper, silver, zinc.
DESCRIPTION: A thin band of pyrite, pyrrhotite, chalcopyrite, and magnetite is intermittently exposed over a 100-metre strike (?) in Hazelton Group sedimentary and volcanic rocks.
WORK DONE: Four bulldozer trenches, each approximately 3 by 20 metres and 0.3 metre deep (one did not reach bedrock), on Del Santo 2 and 6.
REFERENCES: Mineral Inventory 93L-25; *Minister of Mines, B.C.*, Ann. Rept., 1928, p. 168 (Deep Creek); *B.C. Dept. of Mines & Pet. Res.*, GEM, 1969, p. 120 (Del Santo); 1970, p. 158 (Del Santo); Assessment Report 2238.

SUMMIT (Fig. E-1, NTS 93, No. 55)

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 4, 6, 21 to 23, HB 1 to 4 Fractions, CS 1 to 19.
OWNER: M. Chapman.
OPERATOR: AMERICAN SMELTING AND REFINING COMPANY, 504, 535 Thurlow Street, Vancouver V6E 3L2.
METALS: Copper, molybdenum.
DESCRIPTION: A foliated diorite intrudes intermediate to felsic volcanic rocks of the Jurassic Hazelton Group. Sulphide mineralization is spatially associated with the diorite occurring as disseminations and fracture fillings within and peripheral to the intrusion. Mineralization comprises pyrite, chalcopyrite, malachite, molybdenite (trace), and magnetite.

1976

(93L/11E)

WORK DONE: Surface geological mapping, 1:2500, covering Summit 1-4, 7, 8; geochemical survey, 35 soil samples analysed for copper, molybdenum, zinc, and silver, covering CS 12-15.

REFERENCES: Mineral Inventory 93L-223; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 345; 1975, p. E 141, Assessment Report 5422.

CRATER (Fig. E-1, NTS 93, No. 35)

LOCATION: Lat. 54° 31' Long. 127° 07' (93L/11E)
OMINECA M.D. Nineteen kilometres south of Telkwa, east of and on Webster Creek.

CLAIMS: CRATER 1 to 8, HANKIN A1 to H8, MARMOT 1 to 14.

OWNER: Maharaja Minerals, Limited.

OPERATOR: CUSTOMER MINING SERVICES LIMITED, Box 533, Station A, Vancouver V6C 2N3.

METALS: Copper, silver.

DESCRIPTION: Hazelton Group andesites and rhyodacites are broadly folded about an anticlinal axis through Crater Lake. Mineralization consists of chalcocite, bornite, and chalcopyrite, with some specularite in andesite.

WORK DONE: 1975 — surface diamond drilling, three holes totalling approximately 50 metres on Crater 2 and 3.

REFERENCES: Mineral Inventory 93L-39; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 345.

LOU (Fig. E-1, NTS 93, No. 37)

LOCATION: Lat. 54° 51' Long. 127° 41' (93L/13E)
OMINECA M.D. Thirty-four kilometres west of Smithers, surrounding Louise Lake.

CLAIMS: LOUISE (18 units), LOUISE 2 (2 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. Very low-grade copper mineralization (with traces of molybdenum) is present. Copper minerals are seldom visible in hand specimens; chalcopyrite and chalcocite have been identified.

WORK DONE: Magnetometer survey, 16.8 line-kilometres and geochemical survey, 251 soil samples analysed for copper, covering all claims.

REFERENCES: Mineral Inventory 93L-79; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1970, p. 161; 1971, p. 176; Assessment Report 6105.

1976

(93L/14)

A (Fig. E-1, NTS 93, No. 50)

LOCATION: Lat. 54° 50.5' Long. 127° 15' (93L/14)
OMINECA M.D. Eight kilometres northwest of Smithers at the base of the northeast slope of Hudson Bay Mountain.

CLAIMS: JAY 2, 4, 6, 8, 14 to 19, 21 to 32, H 20, K 1 to 10, 12, 13, K 14 Fraction.

OWNER: CLIMAX MOLYBDENUM CORPORATION OF BRITISH COLUMBIA, LIMITED, Box 696, Smithers V0J 2N0.

WORK DONE: Surface diamond drilling, two holes totalling 183 metres on Jay 4, 19.

REFERENCES: Assessment Reports 5041, 5928.

BIG ONION (Fig. E-1, NTS 93, No. 38)

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, RED 1 and 2, GB, totalling approximately 111 units).

OWNER: CANADIAN SUPERIOR EXPLORATION LIMITED, 2201, 1177 West Hastings Street, Vancouver V6E 2K3.

METALS: Copper, molybdenum.

DESCRIPTION: Two highly altered dyke-like masses of quartz diorite porphyry are enveloped by a quartz feldspar porphyry cutting Hazelton Jurassic andesites. Chalcopyrite, bornite, chalcocite, and molybdenite are associated with pyrite.

WORK DONE: Linecutting, 10 kilometres; surface geological mapping, 1:24 000; and geochemical survey, 14 rock samples, covering Red 1, 2 and GB; surface diamond drilling, 15 holes totalling 2 293.5 metres and percussion drilling, nine holes totalling 783 metres on JB, JC, and JF; road construction (for drill sites), 0.6 kilometre on JB, JG, JF, and JD.

REFERENCES: Mineral Inventory 93L-124; *B.C. Dept. of Mines & Pet. Res.*, 1974, p. 263; 1975, pp. E 143, E 144; Assessment Reports 5966, 6088, 6089.

RAINBOW (DRIFTWOOD CREEK) (Fig. E-1, NTS 93, No. 46)

LOCATION: Lat. 45° 53' Long. 126° 58' (93L/15W)
OMINECA M.D. Seventeen kilometres northeast of Smithers on Driftwood Creek.

CLAIMS: DRIFTWOOD CREEK (Lot 6779), ANNIE D (Lot 3674), PL 1.

OWNERS: P. J. HUBER, Box 153, Telkwa, and L. B. WARREN, Box 662, Smithers.

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

DESCRIPTION: The showings occur within green and mixed green and purple andesitic tuffs and breccias of the Hazelton Group which have been subjected to either siliceous, or talc-carbonate-chlorite alteration. Single to multiple

1976

(93L/16W)

fracture, shear fracture, and shear breccia zones occur in a west-northwest fracture panel over a width of at least 75 metres, a length of 360 metres, and a vertical range of 180 metres. Chalcopyrite-bornite and tetrahedrite (minor galena-sphalerite-barite) occur in a quartz-siderite gangue.

WORK DONE: Six hand trenches totalling 100 square metres on Driftwood Creek (Lot 6779) and PL 1.

REFERENCES: Mineral Inventory 93L-132; *Minister of Mines, B.C.*, Ann. Rept., 1921, p. 102; 1923, p. 111; 1924, p. 97; 1925, p. 138; 1927, p. 481; 1929, p. 165; 1930, p. 140; 1931, p. 73; 1937, p. C33; 1938, p. C49; 1939, p. 59; *Geol. Surv., Canada*, Summ. Rept., 1924, Pt. A, p. 34.

DET (Fig. E-1, NTS 93, No. 53)

LOCATION: Lat. 54° 51' Long. 126° 17' (93L/16W)
OMINECA M.D. Eleven kilometres west-northwest of Topley Landing, 3 kilometres north of the east end of Fulton Lake.

CLAIMS: DET (20 units).

OWNER: CITIES SERVICE MINERALS CORPORATION, 405, 1200 West Pender Street, Vancouver V6E 2S9.

DESCRIPTION: Interbedded andesite, chert, and trachyte are exposed in widely spaced outcrops.

WORK DONE: Induced polarization survey, 6 kilometres covering DET (20 units).

HAZELTON 93M

HATCH (Fig. E-1, NTS 93, No. 54)

LOCATION: Lat. 55° 08' Long. 126° 19' (93M/1W)
OMINECA M.D. Ten kilometres north of Old Fort, which is at the north end of Babine Lake.

CLAIMS: HATCH 1 (20 units).

OWNER: CITIES SERVICE MINERALS CORPORATION, 405, 1200 West Pender Street, Vancouver V6E 2S9.

DESCRIPTION: Intermediate to basic volcanic rocks, with some porphyritic phases, and sections of siltstone and arkose are exposed on the property.

WORK DONE: Surface geological mapping, 1:5000; induced polarization survey, 2 kilometres; and geochemical survey, 50 soil samples analysed for copper, zinc, and silver, covering Hatch 1 (20 units).

WOLF (Fig. E-1, NTS 93, No. 39)

LOCATION: Lat. 55° 13' Long. 126° 23' (93M/1W)
OMINECA M.D. Nineteen kilometres north-northwest of the community of Smithers Landing and on the west side of Morrison Lake.

1976

(93M/3E)

CLAIMS: WW (20 units), EW (15 units).
OWNER: CITIES SERVICE MINERALS CORPORATION, 405, 1200 West Pender Street, Vancouver V6E 2S9.
METALS: Copper, molybdenum.
DESCRIPTION: A granodiorite stock intrudes Hazelton sedimentary rocks. Hornblende-biotite feldspar porphyry dykes cut both intrusive and sedimentary rocks. Mineralization consisting of pyrite, chalcopryite, and minor molybdenite is confined to one area of stock.
WORK DONE: Linecutting, 19 kilometres; induced polarization survey, 19 kilometres; magnetic survey, 19 kilometres; and geochemical survey, 465 soil and 83 rock samples, covering all claims.
REFERENCES: Mineral Inventory 93M-8; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 107; 1968, p. 136; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1969, pp. 113, 114; Assessment Reports 761, 1240, 1808, 1854, 2047, 5941.

MARY (Fig. E-1, NTS 93, No. 40)

LOCATION: Lat. 55° 11' Long. 127° 13' (93M/3E)
OMINECA M.D. Seventeen kilometres north-northeast of Moricetown at the head of Luno Creek.
CLAIMS: WOLF 1 (4 units), WOLF 2 (6 units), WOLF 3 (6 units), WOLF 4 (1 unit).
OWNER: AMAX POTASH LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.
METALS: Molybdenum, copper.
DESCRIPTION: Mineralization is localized in a fractured portion of the 64-square-kilometre Late Cretaceous Blunt Mountain granodiorite stock. Mineralization consists of chalcopryite-molybdenite seams which may also contain biotite, K-feldspar, and pyrite or 2 to 5-millimetre quartz-molybdenite-chalcopryite veins.
WORK DONE: Linecutting, 29 kilometres; magnetometer survey, 29 kilometres; induced polarization survey, 20 kilometres; surface geological mapping; and geochemical survey, 436 soil samples analysed for molybdenum, copper, lead, and zinc, covering all claims.
REFERENCES: Mineral Inventory 93M-25; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, p. 188; 1975, p. E 146 (Rob, Blunt); Assessment Reports 2529, 3360, 5994.

TETRA (MORICETOWN) (Fig. E-1, NTS 93, No. 48)

LOCATION: Lat. 55° 02' Long. 127° 14' (93M/3W)
OMINECA M.D. Six kilometres east of Moricetown on Causqua Creek.
CLAIMS: TETRA 1 to 4, HARRY 1 and 2.
OWNER: Virginia Silver Mines Ltd.
OPERATOR: PAUL KINDRAT, RR 2, Adams Road, Smithers.
METALS: Silver, lead, zinc.

1976

(93M/4E)

DESCRIPTION: The property is underlain by Bowser Group sedimentary rocks compressed into an anticline/syncline pair striking north 20 degrees east, and overturned east. The main mineralization is contained in a shear-like vein zone which varies from a series of thin veinlets to a discrete 1-metre mass. The main ore minerals are sphalerite, galena, pyrite, tetrahedrite, and arsenopyrite.

WORK DONE: Drifting, 28.5 metres on Tetra 1 and 2; road repairs, 1.6 kilometres on Tetra 1 and 3.

REFERENCES: Mineral Inventory 93M-21; *Minister of Mines, B.C.*, Ann. Rept., 1968, pp. 124-126; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1969, p. 99; 1970, p. 172.

VICTORIA (Fig. E-1, NTS 93, No. 41)

LOCATION: Lat. 55° 10' Long. 127° 39' (93M/4E)
OMINECA M.D. Eight kilometres south-southeast of Hazelton, south-west of Hagwilget Peak.

CLAIMS: VICTORIA (Lot 3303), BELLE (Lot 3304), HOMESTAKE (Lot 3309), MONOPLANE (Lot 3313), MASCOT (Lot 3314).

OWNERS: W. F. McGowan and J. M. Hutter.

OPERATOR: J. M. HUTTER, RR 1, Telkwa V0J 2X0.

METALS: Gold, cobalt, molybdenum, copper, uranium.

DESCRIPTION: A westerly striking vein cuts granodiorite of the Rocher Deboile stock. Cobalt-nickel-iron sulpharsenides containing gold with molybdenite are found in streaks and lenses within a gangue which is primarily actinolite.

WORK DONE: Construction of access road, 2 kilometres in length.

REFERENCES: Mineral Inventory 93M-72; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 146, E 147.

BURN (Fig. E-1, NTS 93, No. 61)

LOCATION: Lat. 55° 22.5' Long. 127° 45' (93M/5)
OMINECA M.D. Fourteen kilometres north-northwest of Hazelton, between Date Creek and the Kispiox River.

CLAIMS: BURN 16 (16 units), BURN D8 (8 units).

OWNERS: John Sargent and Earl Sargent.

OPERATOR: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B 3T5.

METALS: Copper, molybdenum.

DESCRIPTION: The property is underlain by sedimentary rocks of the Bowser Group which have been intruded by stocks and dyke-like bodies of granodiorite and biotite feldspar porphyry. Mineralization consists of disseminated and fracture-filling pyrite with minor chalcopyrite and molybdenite.

1976

(93M/6E, 7W)

WORK DONE: Surface geological mapping, 1:5000, covering Burn 16 and Burn D8.

REFERENCES: Mineral Inventory 93M-147; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 147.

NAT (ACE) (Fig. E-1, NTS 93, No. 43)

LOCATION: Lat. 55° 16' Long. 127° 00' (93M/6E, 7W)
OMINECA M.D. Thirty kilometres east of the community of Bulkley Canyon and west of Natalzul Mountain.

CLAIMS: NAT A (2 units), NAT B (6 units), NAT C (6 units).

OWNERS: W. H. MORRIS and R. D. GILBERT, RR 2, Smithers V0J 2N0.

METALS: Silver, copper, molybdenum, tungsten, lead, zinc.

DESCRIPTION: Copper and tungsten are found disseminated in granite. On Nat A there is a 10-centimetre-wide galena and sphalerite vein in greenstone.

WORK DONE: Test pits and trenching, 268 cubic metres, covering all claims.

REFERENCE: Mineral Inventory 93M-148.

RIO (UTE) (Fig. E-1, NTS 93, No. 44)

LOCATION: Lat. 55° 21' Long. 126° 48' (93M/7W)
OMINECA M.D. Ten kilometres west of the north end of Babine Lake, on the east side of French Peak.

CLAIMS: UTE 5 to 8, SILVERADO (9 units), ELDORADO (9 units), MAG HI (6 units), SILVER IRON (6 units).

OWNERS: S. Homenuke and J. Sargent.

OPERATOR: AALENIAN RESOURCES LTD., 213, 475 Howe Street, Vancouver V6C 2B3.

METALS: Silver, copper, gold, lead, zinc, antimony, arsenic.

DESCRIPTION:

The property is underlain by a flow-tuff complex belonging to the Hazelton Group. The rock units were deposited in a shallow marine environment and consist of at least two sequences of felsic to intermediate tuffs underlain by andesite flows. In general the tuffs are fine to coarse-grained felsic ash flows with lapilli-sized fragments being present locally. Crystals are also common. The rocks are much lighter coloured next to the vein structure due to alteration.

The westerly andesite flow is a dense, dark green chloritic rock with appreciable magnetite content. The easterly flow is also chloritic, contains some epidote and locally some magnetite, but not as much as above. The chlorite appears to be an alteration of augite. Near the top of the unit the vesicles contain calcite, specularite, and occasionally chalcopryrite.

The only intrusive rock noted to date is a group of felsite dykes which occur in drill core in the areas of both vein systems. This rock is pale green, highly altered with feldspar phenocrysts up to a few millimetres in size. The known mineralization in the area of detailed investigations is contained in the Ute and Rio systems. The mineral assemblages are two types: a chalcopryrite-tetrahedrite assemblage with minor galena and sphalerite

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(93M/10)

and galena-tetrahedrite assemblage with minor chalcopyrite and sphalerite. The former occurs in the Rio vein system and a portion of the Ute vein system, while the latter appears to be restricted to the Ute vein system.

WORK DONE: Prospecting; control surveys (air photograph interpretation and topographic preparation); surface geological mapping, 1:600, 1:1200, and 1:240; geochemical survey, 132 soil samples analysed for copper and silver, covering all claims; geochemical survey, 45 stream sediment samples analysed for copper and silver, covering all claims except Mag Hi; geophysical survey, approximately 6 kilometres, covering Ute 5-8, Silverado, Silver Iron; surface diamond drilling, 28 holes (12 NQ and 16 BQ) totalling 750 metres on Ute 6 and 8 and one BQ hole totalling 43 metres on Silver Iron; trenching, approximately 40 metres (Rio vein system) on Ute 8; road construction, 5 kilometres on Silver Iron, Silverado, and Ute 8; linecutting, 6 kilometres covering all claims except Eldorado, Mag, and Hi.

REFERENCES: Mineral Inventory 93M-15; *Minister of Mines, B.C.*, Ann. Rept., 1956, p. 29; 1964, p. 50; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 272; Assessment Report 6014.

ELLEN (Fig. E-1, NTS 93, No. 60)

LOCATION: Lat. 55° 35' Long. 126° 45' (93M/10)

OMINECA M.D. About 5 kilometres west of the Nilkitkwa Bridge and about 7 kilometres southeast from the peak of Mount Horetzky.

CLAIM: ELLEN (1 to 20 units).

OWNER: R. Woolverton.

OPERATOR: BRITISH NEWFOUNDLAND EXPLORATION LIMITED, 704, 602 West Hastings Street, Vancouver V6B 1P2.

METALS: Copper, molybdenum (float).

DESCRIPTION: A 600-metre-wide area was outlined in which up to 10 per cent of the angular float consisted of mineralized biotite feldspar porphyry. Percussion drilling revealed an unmineralized tuff bedrock so it is assumed that the float was derived from Mount Horetzky some 5 kilometres up-ice.

WORK DONE: Percussion drilling, 14 holes totalling 850 metres.

REFERENCE: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 148, E 149.

MANSON RIVER 93N

BURN (Fig. E-1, NTS 93, No. 14)

LOCATION: Lat. 55° 30' Long. 125° 14' (93N/6E, 11E)

OMINECA M.D. Ten kilometres northeast of the east end of Tsayta Lake and 6 kilometres east of Kwanika Creek.

CLAIMS: BURN 1 to 16, 19 to 26, 31, 37, 39 to 54, 56 to 74.

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(93N/14W)

OWNER: W. R. Bacon.
OPERATOR: DOME EXPLORATION (CANADA) LIMITED, 600, 365 Bay Street,
Toronto, Ontario M5H 2V4.
METALS: Molybdenum, copper.
DESCRIPTION: Fracture systems in monzonite and alaskite are sparsely mineralized
with pyrite, molybdenite, and chalcopyrite.
WORK DONE: Surface diamond drilling, three BQ holes totalling 858 metres on Burn
15, 43, 45.
REFERENCES: Mineral Inventory 93N-107; *B.C. Dept. of Mines & Pet. Res.*, GEM,
1972, p. 452; 1973, p. 369; 1975, p. E 151; Assessment Report 5619.

ND, TAM (Fig. E-1, NTS 94, No. 7)

LOCATION: Lat. 56° 01' Long. 125° 34' (94C/3W, 4E; 93N/14W, 13E)
Report on this property in NTS 94C.

JO ANN (Fig. E-1, NTS 93, No. 24)

LOCATION: Lat. 55° 57' Long. 125° 29' (93N/14W)
OMINECA M.D. Sixteen kilometres due north of Old Hogem.
CLAIMS: JO ANN 1 to 10, 18, 20 to 48, JO ANN 1 and 2 Fractions.
OWNER: Douglas B. Stelling.
OPERATOR: MERIN MANAGEMENT LTD., 906, 675 West Hastings Street,
Vancouver V6B 1N2.
METAL: Copper.
DESCRIPTION: The property covers the contact between the Duckling Creek syenites
and K-feldspar hybrid monzonites and some irregularly shaped pods of
feldspathic pyroxenites. Chalcopyrite and bornite occur in monzo-
diorite and syenite and are accompanied by pink K-feldspar alteration.
WORK DONE: Linecutting, 24 kilometres on Jo Ann 7-10, 27-32, 38, 41-44, 46.
REFERENCES: Mineral Inventory 93N-166, 177; *B.C. Dept. of Mines & Pet. Res.*,
GEM, 1975, p. E 152; Assessment Reports 4273, 4676, 5649, 5993.

HAL (Fig. E-1, NTS 93, No. 19)

LOCATION: Lat. 55° 55' Long. 124° 45' (93N/15E)
OMINECA M.D. Seventeen kilometres north of Germansen Landing,
immediately east of Echo Lake.
CLAIM: HAL (1 to 12 units).
OWNER: IMPERIAL OIL LIMITED, 314, 1281 West Georgia Street, Vancouver
V6E 3J7.
METALS: Zinc, lead, silver.
DESCRIPTION: The property is underlain by a gently dipping, bedded sequence of
Middle Devonian limestones. Algal laminate structures have been
observed.

1976

(93N/15)

WORK DONE: Surface geological mapping, 1:1200 and geochemical survey, 137 soil and 32 rock chip samples analysed for lead, zinc, and silver, covering Hal (units 2-5, 8, 9).

REFERENCE: Assessment Report 6055.

CRY (Fig. E-1, NTS 93, No. 13)

LOCATION: Lat. 55° 56' Long. 124° 44' (93N/15)
OMINECA M.D. Twenty kilometres north of Germansen Landing, at approximately 1 300 metres elevation.

CLAIMS: CRY 1 to 9, CRIN 1 to 56, CAB 1, 2, 3, 8, 9, 11, 13, 16 to 22.

OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver V6C 2R2.

METALS: Zinc, lead, barite.

DESCRIPTION: This region is underlain by progressively younger rocks from east to west. The Lower Cambrian Wolverine metasedimentary complex is overlain by: (1) Lower Cambrian limestone, phyllites, and quartzites, (2) Ordovician and Middle Devonian carbonates, (3) Permo-Pennsylvanian argillaceous sedimentary rocks, and (4) Permian or later volcanic rocks. Mineralization consists primarily of sphalerite with local galena in fault zones and associated traps in Middle Devonian arenaceous sedimentary rocks.

WORK DONE: Prospecting covering most of the claims; surface geological mapping, 1:480 covering all trenches and 1:1200 covering trench areas; geochemical survey, 299 soil samples analysed for lead and zinc, covering Crin 4, 12-15, 26-28, 37, 39, 41, 45, 47, 56 and Cab 1, 2, 8; trenching, 27 493 cubic metres on Crin 4, 14, 15, 23, 25-27, 39, 41, 45, 47, 56 and Cab 18, 20; road construction, 8.8 kilometres on Cab 1, 2, 8 and Crin 26-29, 31, 33-35, 37, 39, 41, 45, 47, 56.

REFERENCES: Mineral Inventory 93N-158; *Minister of Mines, B.C.*, Ann. Rept., 1952, pp. 98, 106, 107; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 153; Assessment Report 5729.

PINE PASS 930

JET (Fig. E-1, NTS 93, No. 15)

LOCATION: Lat. 55° 59' Long. 123° 35' (93O/13E)
OMINECA M.D. Three kilometres southeast of Mount Selwyn, on Selwyn Creek.

CLAIMS: JET 1 to 10, 24, 26, 28, 37, 40, 57 to 62, 66, 68, 70, 72, 74, 76 to 78, 80, 82 to 88.

OWNER: AQUITAINE COMPANY OF CANADA LTD., 540 Fifth Avenue, Calgary, Alberta T2P 0M4.

METALS: Lead, zinc.

1976

(93O/13E)

DESCRIPTION: Mineralization occurs at the contact of a dolomite horizon (Upper Stone Formation) and overlying light grey to white limestone (Dunedin Formation). Minerals present include galena, sphalerite, smithsonite, and anglesite.

WORK DONE: Surface diamond drilling, 22 holes totalling 595 metres on Jet 1, 2, 84.

REFERENCES: Mineral Inventory 93O-15; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 153; Assessment Reports 5643, 6028.

WEST — CENTRAL BRITISH COLUMBIA
(NTS Division 103)

MORESBY ISLAND 103B, C

SWEDE (LAST CHANCE) (Fig. E-1, NTS 103, No. 1)

LOCATION: Lat. 52° 43' Long. 131° 48' (103B/12W)
SKEENA M.D. East coast of Moresby Island, near the northwest end of Darwin Sound, immediately south of Klunkwoi Bay.

CLAIMS: MERRY K 1 (4 units), MERRY K 2 (20 units), MERRY K 3 (20 units), MERRY K 4 (20 units).

OWNER: Raymond R. Strandbridge.

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

METAL: Copper.

DESCRIPTION: Most of the property is underlain by basalts and andesite, the predominant rock being chlorite-spotted andesite. A small area of Kunga limestone was found near the south end of Anna Inlet. Chalcopyrite, chalcocite, bornite, and native copper mineralization occurs as disseminations and as fracture fillings in andesitic flows of the Karmutsen Formation.

WORK DONE: Geological mapping, 1:5000, covering Merry K 1, 4, 5; magnetometer survey, 1.6 line-kilometres, covering Merry K 1; geochemical survey, 49 soil and silt samples analysed for copper lead and zinc, covering Merry K 1, 4, 5, and 12 chip samples analysed for copper, covering Merry K 1.

REFERENCES: Mineral Inventory 103B-C-9; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 58 (D); Assessment Reports 598 (Pogomohom), 6005.

QP (Fig. E-1, NTS 103, No. 2)

LOCATION: Lat. 52° 59' Long. 132° 09' (103C/16E)
SKEENA M.D. Moresby Island, 32 kilometres south-southwest of Skidegate on the south side of Peel Inlet.

CLAIMS: QP (units 1 to 8).

OWNER: Falconbridge Nickel Mines Limited.

OPERATORS: FALCONBRIDGE NICKEL MINES LIMITED and WESFROB MINES LIMITED, 700, 1112 West Pender Street, Vancouver V6E 2S1.

METAL: Copper.

DESCRIPTION: The claims are underlain by a folded complex sequence of light and dark grey limestone, andesite, and volcanoclastic rocks with minor post-deformation intrusions of quartz feldspar porphyry. Minor copper mineralization (bornite and malachite) occurs in quartz veinlets in a small fault-bounded silicified shale wedge.

1976

(103G/8E)

WORK DONE: Linecutting, 1.4 line-kilometres; surface geological mapping, 1:600 and 1:4800; geochemical survey, 52 silt samples assayed for copper; magnetometer survey, 3.2 line-kilometres; and prospecting, covering all claims.

REFERENCE: Assessment Report 6121.

DOUGLAS CHANNEL 103H and part of 103G

BANK (BANKER) (Fig. E-1, NTS 103, No. 5)

LOCATION: Lat. 53° 21' Long. 130° 09' (103G/8E)
SKEENA M.D. On the west coast of Banks Island, about 2 kilometres northeast of Foul Bay.

CLAIMS: BANK 1 to 4, BANKER 5 to 50, 65 to 72, 74 to 87, 127 to 129, 134 to 153, 164 to 166, 167B, 168B, 200 to 227.

OWNER: Falconbridge Nickel Mines Limited.

OPERATOR: WESFROB MINES LIMITED, 700, 1112 West Pender Street, Vancouver V6E 2S1.

METALS: Gold, silver.

DESCRIPTION: Auriferous and argentiferous pyrite, arsenopyrite, galena, sphalerite, and pyrrhotite occur as fracture fillings and replacements in granitic and sedimentary rocks.

WORK DONE: Surface diamond drilling, 11 BQ holes totalling 1 102.4 metres on Banker 141, 147, 210-211 and Bank 1, 2, 4, 141; packsack drilling, nine holes totalling 112.2 metres on Bank 2, 141, 147; surface geological mapping, 1:600 covering Bank 1, 2, 4 and Banker 141, 147.

REFERENCES: Mineral Inventory 103H-G-38; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 323; 1975, p. E 174; Assessment Reports 5518, 5720.

BLUE JAY (Fig. E-1, NTS 103, No. 3)

LOCATION: Lat. 53° 57.5' Long. 130° 20' (103G/16W)
SKEENA M.D. On Porcher Island at the head of Porcher Inlet, approximately 5 kilometres west of the community of Oona River.

CLAIMS: FAY 1 to 7.

OWNER: P. E. Page.

OPERATORS: P. E. PAGE and SILVER CHIEF MINERALS LTD., 3401 Edmonton Towers, Edmonton, Alberta.

METAL: Molybdenum.

DESCRIPTION: An old shaft exposes molybdenite along the contact between meta-sedimentary and granitic rocks of the Coast Plutonic Complex. Molybdenite occurs in quartz veins in granitic sills.

1976

(103I/9W)

WORK DONE: 1975 — five trenches extended or developed on Fay 1 and 2; electromagnetic survey, approximately 500 metres on Fay 2.

REFERENCES: Mineral Inventory 103H-G-37; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, pp. 323, 324; Assessment Reports 3838 (Blue Jay), 5045, 5817.

PRINCE RUPERT — TERRACE 103I and part of 103J

ANNETTE (Fig. E-1, NTS 103, No. 6)

LOCATION: Lat. 54° 34' Long. 128° 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, Alberta.

METAL: Copper.

DESCRIPTION: The property appears to be entirely underlain by Mesozoic sedimentary rocks (namely argillite and greywacke), and volcanic and pyroclastic rocks. There is a weathered fracture zone which contains pyrite and some chalcopryrite.

WORK DONE: Surface geological mapping, 1:50 000 and prospecting (assaying rock and sand samples), covering all claims.

REFERENCES: Mineral Inventory 103I-J-175; Assessment Report 5962.

KOKANEE (Fig. E-1, NTS 103, No. 15)

LOCATION: Lat. 54° 40' Long. 128° 27' (103I/9W)
OMINECA M.D. Nineteen kilometres north-northeast of Terrace and 3 kilometres north-northwest of Usk, between Shannon and Lowrie Creeks.

CLAIMS: PAULA 1 to 10, PAULA 21 (20 units).

OWNER: INTERNATIONAL SHASTA RESOURCES LTD., 3751 Bayridge Avenue, West Vancouver.

METALS: Copper, molybdenum.

DESCRIPTION: Volcanic rocks consisting of tuff, breccia and minor andesite, rhyolite and dacite, greywacke, etc., of the Hazelton Group are underlain and intruded by granodiorite and alaskite (?) of the Coast Plutonic Complex. Mineralization consists of chalcopryrite and molybdenite.

WORK DONE: Magnetometer survey, 34 line-kilometres and geochemical survey, 35 silt samples analysed for molybdenum and copper, covering all claims.

REFERENCES: Mineral Inventory 103I-J-114; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 487; 1975, p. E 176; Assessment Reports 4298, 5722, 6032.

1976

(103P/3W)

NASS RIVER 103P and part of 103O

KAY (Fig. E-1, NTS 103, No. 9)

LOCATION: Lat. 55° 08' Long. 129° 20' (103P/3W)
SKEENA M.D. Twenty-one kilometres northeast of Greenville, south of and adjacent to the Nass River.

CLAIM: KWINYARH (12 units)

OWNER: GRANBY MINING CORPORATION, Box 2519, Smithers.

METAL: Molybdenum.

DESCRIPTION: Molybdenite occurs within a small quartz feldspar porphyry stock which intrudes Bowser sedimentary rocks.

WORK DONE: One hand trench, 52.9 square metres on Kwinyarh (unit 18).

REFERENCES: Mineral Inventory 103O-P-225; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 51; 1967, pp. 50-52; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1969, pp. 69, 70.

VALLEY (Fig. E-1, NTS 103, No. 10)

LOCATION: Lat. 55° 10' Long. 129° 16' (103P/3W)
SKEENA M.D. Immediately south of Indian Reserve 29, 25 kilometres northeast of Greenville.

CLAIM: ZOLZAP (2 units).

OWNER: GRANBY MINING CORPORATION, Box 2519, Smithers.

METAL: Molybdenum.

DESCRIPTION: Molybdenite occurs in a quartz stockwork within a small granitic intrusion.

WORK DONE: Geochemical survey, 67 samples, 3.2 line-kilometres; magnetometer survey, 3.2 line-kilometres; and prospecting, covering Zolzap (2 units).

REFERENCES: Mineral Inventory 103O-P-231; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 51; 1967, pp. 50-52.

ANYOX (Fig. E-1, NTS 103, No. 14)

LOCATION: Lat. 55° 25' Long. 129° 51' (103P/5W)
SKEENA M.D. The property extends from 5 kilometres north to 6 kilometres south-southwest of Anyox.

CLAIMS: The Anyox property consists of 57 located claims including AHW, DOUBLE ED, and FRONT plus 65 Crown-granted claims.

OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver.

METAL: Copper.

DESCRIPTION: The Anyox area is underlain by an assemblage of northerly trending basic volcanic and sedimentary rocks which forms a large roof pendant (14.4 by 9.6 kilometres) in the Coast Plutonic Complex. The Anyox lies on the east side of the pendant. Chalcopyrite, pyrrhotite, pyrite, and sphalerite mineralization is found under a variety of conditions.

1976

(103P/6W)

WORK DONE: Surface geological mapping, 1:12 000 and geochemical survey, 712 rock samples analysed for copper, lead, and zinc, covering Double Ed 2-16, AHW/ 1-6, and Lots 481, 1667, 1668, 1671, 2223, 2230, 2331, 3348 to 3352.

REFERENCES: Mineral Inventory 103P-21, 23, 25, 26, 222, 226, 244; *Minister of Mines, B.C.*, Ann. Rept., 1961, p. 10; 1963, p. 13; Assessment Report 6137.

FAST (LIME) (Fig. E-1, NTS 103, No. 8)

LOCATION: Lat. 55° 25.5' Long. 129° 27.5' (103P/6W)
SKEENA M.D. Six kilometres south of Alice Arm, on Mohawk Mountain, between 60 and 96 metres elevation.

CLAIMS: FAST 1 to 22.

OWNER: AMAX POTASH LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.

METAL: Molybdenum (float).

DESCRIPTION: The claims are underlain by Upper Jurassic to Lower Cretaceous Bowser assemblage sedimentary rocks. Greywacke is the most common rock type followed by argillite. Diabase dykes cut the argillites near the eastern edge of the property. Molybdenum-bearing boulders of granodiorite cut by quartz stockworks are noted in the central part of the claim block.

WORK DONE: 1975 — airborne magnetometer survey, 27.5 line-kilometres covering all claims.

REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 326; 1975, p. E 178; Assessment Reports 5447, 5814.

MOLY (BELL MOLY) (Fig. E-1, NTS 103, No. 7)

LOCATION: Lat. 55° 28' Long. 129° 20' (103P/6W)
SKEENA M.D. On Clary Creek about 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 area of interest centres about a thermally metamorphosed aureole in Bowser sedimentary rocks protruding from one side of a Tertiary lava flow capping. A leucocratic mineralized intrusion was encountered within the hornfelsed sedimentary rocks at depth beneath the lava. Mineralization consists mainly of molybdenite selvages in quartz veins, and occurs in both hornfelsed sedimentary and intrusive rocks.

1976 (103P/6W)

WORK DONE: Surface diamond drilling, seven holes totalling 2 550 metres on R 4; one hole totalling 280 metres on R 2.

REFERENCES: Mineral Inventory 103O-P-234; *Minister of Mines, B.C., Ann. Rept.*, 1966, p. 48; 1967, pp. 44-47; Assessment Reports 5949, 6082.

ESPERANZA (Fig. E-1, NTS 103, No. 11)

LOCATION: Lat. 55° 29' Long. 129° 29' (103P/6W)
SKEENA M.D. Between 1 and 2 kilometres north of Alice Arm on the west side of the Kitsault River.

CLAIMS: BLACK BEAR (Lot 1071), ALDEBARAN (Lot 1072), I'LL CHANCE IT (Lot 1073).

OWNER: Angelo Lorinde.

OPERATORS: A. LORINDE, 208 Seafield Road, Victoria, R. A. BROWN, 798 Langham Court, Victoria, and G. S. BROWN, 777 Blanshard Street, Victoria.

METALS: Silver, lead, copper.

DESCRIPTION: Argillite is intruded by narrow lamprophyre dykes. The mineral deposits are silver-bearing quartz veins that also contain lead and copper minerals.

WORK DONE: 1975 — sampling of trenches and dumps to determine silver values on Aldebaran.

REFERENCES: Mineral Inventory 103O-P-126; *B.C. Dept. of Mines & Pet. Res., GEM*, 1969, pp. 64-67; Assessment Report 5794.

VICTORY (Fig. E-1, NTS 103, No. 12)

LOCATION: Lat. 55° 43.5' Long. 129° 31' (103P/12E)
SKEENA M.D. Approximately 28 kilometres north of Alice Arm, 1 kilometre east of the Kitsault River and 1 kilometre west of Trout Lake.

CLAIMS: VICTORY, VICTORY 1, D DAY 1 and 2, MOOSE 1, 2, 5, 6 (Lots 1241, 1242, 1244, 1243 respectively), ROBIN (16 units).

OPERATOR: THUNDERWOOD EXPLORATIONS LTD. (formerly Northern Homestake Mines Ltd.), 1155, 555 Burrard Street, Vancouver V7X 1M8.

METALS: Silver, lead, zinc.

DESCRIPTION: 1975 — surface diamond drilling, two holes totalling 45 metres on D Day 1 and Victory; trenching on Robin, Victory, and Moose.

REFERENCES: Mineral Inventory 103O-P-206; *Minister of Mines, B.C., Ann. Rept.*, 1964, pp. 43, 44; Assessment Reports 5833, 6112.

LUCKY STRIKE (Fig. E-1, NTS 103, No. 13)

LOCATION: Lat. 55° 44' Long. 129° 35' (103P/12E)
SKEENA M.D. This property is 28 kilometres north-northwest of the community of Alice Arm on the ridge between West Kitsault River and Homestake Creek.

1976

(103P/12E)

CLAIMS: LUCKY STRIKE, CASCADE FALLS, E&D, TED, COPPER QUEEN,
totalling approximately 26 claims.

OWNER: DWIGHT COLLISON, Alice Arm.

METALS: Copper, zinc.

DESCRIPTION: Feldspar porphyries, pyritic in part and of quartz diorite composition,
underlie most of the area covered by the claims. Enlongate roof
pendants of sedimentary rocks are present. Mineralization occurs in two
forms: as veins and replacements in bedding shears in the sedimentary
rocks and as veins in east-northeast fractures and shear zones in the
feldspar porphyries.

WORK DONE: 1975 and 1976 — surface diamond drilling, seven holes totalling 64.4
metres on Lucky Strike 2 and Cascade Falls 1.

REFERENCES: Mineral Inventory 1030-P-214; *Minister of Mines, B.C.*, Ann. Rept.,
1965, p. 65; Assessment Report 6049.

NORTHEAST BRITISH COLUMBIA
(NTS Division 94)

HALFWAY RIVER 94B

POCO (Fig. E-1, NTS 94, No. 1)

LOCATION: Lat. $56^{\circ} 12'$ Long. $123^{\circ} 23'$ (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 8.

OWNER: BRITISH NEWFOUNDLAND EXPLORATIONS LIMITED, 704, 602 West Hastings Street, Vancouver V6B 1P2.

METALS: Lead, zinc, (silver).

DESCRIPTION: Sphalerite occurs in a brecciated zone at the base of the Pine Point Formation and in irregular patches in dolomite of the Stone Formation.

WORK DONE: 1975 – surface diamond drilling, four IEX holes totalling 269 metres.

REFERENCES: Mineral Inventory 94B-7 and 8; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 154; Assessment Report 5754.

FORT GRAHAME 94C

ELIZABETH, MOLLY, GWYNN (Fig. E-1, NTS 94, No. 3)

LOCATION: Lat. $56^{\circ} 08.5'$ Long. $124^{\circ} 55'$ (94C/2W)
OMINECA M.D. One and a half kilometres south of the Osilinka River, 2 kilometres due east of End Lake.

CLAIMS: DONNA 19, 21, 23 to 26.

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

METALS: Zinc, lead, barite, silver.

DESCRIPTION: Sphalerite and barite, with minor galena, are disseminated through and in irregular patches replacing limestone.

WORK DONE: Surface geological mapping, 1:12 000, covering Donna claims plus outside area.

REFERENCES: Mineral Inventory 94C-30, 31, 32; *Minister of Mines, B.C.*, Ann. Rept., 1958, p. 74; Assessment Report 5937.

WEBER (Fig. E-1, NTS 94, No. 4)

LOCATION: Lat. $56^{\circ} 07'$ Long. $125^{\circ} 02'$ (94C/3E)
OMINECA M.D. Two kilometres northeast of Wasi Lake, approximately 32 kilometres north of Germansen Landing.

CLAIMS: CARIE 1 to 10, 12, 14 to 32.

OWNER: SUSIE GOLD MINES LTD., 906, 675 West Hastings Street, Vancouver V6B 1N2.

1976

(94C/3E)

METALS: Lead, zinc.

DESCRIPTION: The property geology is included in a regional setting of a sedimentary sequence which comprises metavolcanic rocks, argillite, and limestone. This sequence has been correlated with the Cache Creek Group of Permian age. More recent work has shown the Carie property lies along the eastern edge of a belt of Middle Devonian carbonate rocks. An argillite-carbonate contact is exposed within the Carie claims both north and south of Wasi Creek, where significant lead/zinc mineralization occurs. A number of types of secondary dolomite are present and disseminated and massive galena has been located in a 6 by 12-metre outcrop of dolomite near the initial post of Carie claims 3 and 4 where the mineralization is within 3-metres of the argillite contact. A small galena showing was found in silicified dolomite adjacent to the contact where a 15-centimetre vein of pyrite was also noted.

WORK DONE: Surface geological mapping, 1:2400, covering Carie 1-8, 14, 17, 19, 20, 26, 28, 30; geochemical survey, approximately 300 samples analysed for lead and zinc, covering Carie 4, 7-10, 12, 14-18, 20, 26, 28-32; geophysical survey, 4.32 line-kilometres (167 stations) and control surveys (for elevation map), 4.32 line-kilometres, covering Carie 1-4.

REFERENCES: Mineral Inventory 94C-24; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 157; Assessment Reports 5803, 6072.

BEVELEY (Fig. E-1, NTS 94, No. 25)

LOCATION: Lat. 56° 10' Long. 125° 03' (94C/3E)
OMINECA M.D. Approximately 5 kilometres east of the junction of Tenakihi Creek, 0.8 kilometre north of the Osilinka River.

CLAIMS: GAEL 4 to 11.

OWNER: RALPH HALL, 1595 Sheridan Avenue, Victoria V8P 3B2.

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

DESCRIPTION: Gael 6 and 7 claims cover a shear zone striking through sericite schist in a north 55-degree east direction. This zone has been mineralized by quartz and carries several sulphides, argentite being the most important. As well, galena is present in faulted dolomite, and some areas of barite.

WORK DONE: Hand drilling and blasting (10 chip samples of vein area) on Gael 6 and 7; hand trenching, approximately 55 metres in length (133 samples assayed for silver, lead, zinc; some assayed for copper and barite also) covering Gael 4, 5, 8-11.

REFERENCES: Mineral Inventory 94C-23; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, pp. 390-395.

VEGA, DAVE (Fig. E-1, NTS 94, No. 5)

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.

1976

(94C/3W, 4E)

CLAIMS: BEG 1 to 100, BEG 102 (15 units), BEG 103 (15 units), BEG 104 (6 units); RON 1 and 2.

OWNER: BP MINERALS LIMITED, 405, 1199 West Pender Street, Vancouver V6E 2R1.

METALS: Copper, silver.

DESCRIPTION: Pyrite and minor chalcopyrite occur as disseminations and as fracture fillings in Takla Group volcanoclastic rocks which are intruded by diorite and monzonite dykes of Late Triassic age.

WORK DONE: Surface diamond drilling, three holes totalling 500 metres on Ron 2 and Beg 42, 44.

REFERENCES: Mineral Inventory 94C-21, 43, 76; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 157; Assessment Reports 5896, 5930, 5940.

ND, TAM (Fig. E-1, NTS 94, No. 7)

LOCATION: Lat. 56° 01' Long. 125° 34' (94C/3W, 4E; 93N/14W, 13E)

OMINECA M.D. Approximately 65 kilometres northwest of Germansen Landing, at the westerly headwaters of Haha Creek.

CLAIMS: ND 1, 2, 4, 7, 8, TAM 1 to 6, 11 to 14, HAM 1 to 8, 47 to 50, REM 4, 6, 11 to 58, 63, 66, 68, 70, 72, 74, 76, 78, 80, 82, AMP 1 to 13, RAM (15 units), PAW (4 units), TEM (15 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.

METALS: Copper, silver.

DESCRIPTION: Chalcopyrite occurs as disseminations in Duckling Creek syenite.

WORK DONE: Geochemical survey, 89 soil and 16 rock samples, covering ND 1, 2, 4, 7; road construction, 17 kilometres on Rem claims.

REFERENCES: Mineral Inventory 94C-77 and 93N-93; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 151, E 152; Assessment Reports 5602, 5957.

JUPITER, POLARIS (Fig. E-1, NTS 94, No. 9)

LOCATION: Lat. 56° 28' Long. 125° 44' (94C/5W)

OMINECA M.D. Three kilometres north of Aiken Lake, straddling Lay Creek and two of its southerly flowing tributaries.

CLAIMS: SARA WEST (20 units), SARA EAST (16 units), SUE (12 units).

OWNER: SUSIE GOLD MINES LTD., 906, 675 West Hastings Street, Vancouver V6B 1N2.

METALS: Copper, molybdenum, zinc.

DESCRIPTION: Southwest of Polaris Creek, the rocks include a unit of black pyritic argillite approximately 1 000 metres thick. Further southwest there is a thick sequence of andesites which include flows and tuffaceous rocks which for the most part are strongly propylitized and sheared and are part of the Takla Group of Upper Triassic volcanic rocks. On the northeast of Polaris Creek there is an irregular body of quartz monzonite over a 600-metre stretch which intrudes a highly deformed

1976

(94C/5W)

sequence of impure limestone, black slate, and fragmental basic volcanic rocks. Alteration is in the form of sericitization and argillization. The southerly part of the quartz monzonite is somewhat porphyritic where fracture-controlled pyrite varies from a trace to 5 per cent. Numerous occurrences of pyrite with traces of chalcopyrite are found within zones of shearing and fracturing within the sedimentary and volcanic rocks.

WORK DONE: Surface geological mapping, 1:5000, covering Sara West (20 units) and Sara East (16 units); geochemical survey, 876 samples analysed for copper, molybdenum, zinc, silver, and gold, covering Sara West (6 units) and Sara East (16 units).

REFERENCES: Mineral Inventory 94C-12, 13; Assessment Reports 5843, 6037.

GRANITE BASIN (Fig. E-1, NTS 94, No. 10)

LOCATION: Lat. 56° 29' Long. 125° 52' (94C/5W)
OMINECA M.D. Approximately 9.5 kilometres northeast of Aiken Lake, on the south side of Lay Creek valley.

CLAIMS: SUSIE 1 to 6, 8, 17, 19, SUSIE 21 to 23 Fractions.

OWNER: SUSIE GOLD MINES LTD., 906, 675, West Hastings Street, Vancouver V6B 1N2.

METALS: Gold, silver.

DESCRIPTION: The property lies near the eastern edge of the Intermontane Belt which in the Omineca district is dominated by andesitic flows and fragmental rocks of the Upper Triassic Takla Group and by granitic rocks of the Jurassic to Cretaceous Omineca intrusive complex. Mineralization including copper, molybdenum, and gold is commonly associated with small masses of intrusive rocks which are related to the Omineca system. The geology of the property is highly complex assemblage of andesites and dioritic intrusive rocks which has suffered numerous structural dislocations. Alteration and pervasive pyritization coupled with inaccessibility of much of the exposed ground makes it difficult to define the form of many of the lithologic units.

WORK DONE: Sampling (139 chip and channel samples assayed for gold), prospecting, control surveys (transit and stadia to provide control for geological mapping), and surface geological mapping, 1:600, covering Susie 2-6, 17 and Susie 21, 22 Fractions; trenching, approximately 750 metres (in an area 120 metres by 45 metres), covering Susie 3, 5, 6, and Susie 22 Fraction.

REFERENCES: Mineral Inventory 94C-9; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 158; Assessment Report 5843.

1976

(94C/5E)

MES (Fig. E-1, NTS 94, No. 8)

LOCATION: Lat. $56^{\circ} 25.5'$ Long. $125^{\circ} 37'$ (94C/5E)
OMINECA M.D. Three kilometres east of Aiken Lake, at approximately 1 000 metres elevation.

CLAIMS: MES 1 (20 units), MES 2 (8 units), MES 3 (8 units), MES 4 (2 units).

OWNER: BP MINERALS LIMITED, 405, 1199 West Pender Street, Vancouver V5E 2R1.

METAL: Copper.

DESCRIPTION: Pyrite and minor chalcopyrite occur in fractures in Takla Group volcanic rocks in proximity to quartz monzonite intrusive rocks of the Omineca Intrusions.

WORK DONE: Induced polarization and resistivity survey, 11 line-kilometres covering all claims.

REFERENCES: Mineral Inventory 94C-81; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 159; Assessment Report 5977.

McCONNELL CREEK 94D

RED (Fig. E-1, NTS 94, No. 11)

LOCATION: Lat. $56^{\circ} 13'$ Long. $127^{\circ} 09'$ (94D/3E)
OMINECA M.D. Nineteen kilometres west-northwest of Bear Lake, adjacent to the Squingula River, at 1 300 metres elevation.

CLAIMS: RED 1 to 20, 31 to 38, 44 to 53, 63 to 95, 149 to 155, 166, 168, and 212 to 215.

OWNER: CANADIAN SUPERIOR EXPLORATION LIMITED, 2201, 1177 West Hastings Street, Vancouver V6E 2K3.

METALS: Copper, silver.

DESCRIPTION: Chalcopyrite, bornite, and chalcocite occur as disseminations and stringers in limestone lying within an epiclastic unit of tuffs and conglomerates.

WORK DONE: Induced polarization survey, 10.56 line-kilometres; linecutting, 10.4 line-kilometres; surface diamond drilling, three BQ holes totalling 346.8 metres on Red 7, 41, and 43.

REFERENCES: Mineral Inventory 94D-104; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 160.

MOTASE A (Fig. E-1, NTS 94, No. 12)

LOCATION: Lat. $56^{\circ} 14'$ Long. $127^{\circ} 18'$ (94D/3W)
OMINECA M.D. Twenty-eight kilometres west-northwest of Motase Lake, 8 kilometres west-southwest of the main fork of the Squingula River.

CLAIMS: IN 1 to 28, 62 to 66 Fractions, IN 29 and 30, CON 28 to 32.

1976

(94D/8W)

OWNER: CANADIAN SUPERIOR EXPLORATION LIMITED, 2201, 1177 West Hastings Street, Vancouver V6E 2K3.

METALS: Copper, silver.

DESCRIPTION: The geology of the property is a northerly elongate fractured and pyritized zone developed within the Jurassic/Cretaceous epieugeo-synclinal Hazelton Group intruded by essentially two generations of feldspar porphyry. Chalcopyrite occurs as disseminations and micro-veinlets in both rock units.

WORK DONE: Surface diamond drilling, two BQ holes totalling 302 metres on In 6 and 24 Fractions.

REFERENCES: Mineral Inventory 94D-61; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 405; Assessment Report 5947.

LAKE (Fig. E-1, NTS 94, No. 16)

LOCATION: Lat. 56° 16.5' Long. 126° 21' (94D/8W)
OMINECA M.D. Sikanni Range, 3 kilometres northwest of Mount Carruthers.

CLAIMS: LAKE (1 unit), NORTH (1 unit).

OWNER: ROBERT M. TAIT, 1214 Eastview Road, North Vancouver.

METALS: Copper, silver.

DESCRIPTION: Chalcocite with minor bornite occurs in a grey-black shale unit.

WORK DONE: Prospecting covering both claims.

REFERENCES: Mineral Inventory 94D-108; Assessment Report 5927.

BANDY (Fig. E-1, NTS 94, No. 13)

LOCATION: Lat. 56° 21' Long. 126° 27' (94D/8W)
OMINECA M.D. In the northern Sikanni Range, 5 kilometres south-southwest of the junction of the Asitka River and Quenada Creek.

CLAIM: BANDY (6 units).

OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver.

METAL: Copper.

DESCRIPTION: Disseminated or laminated chalcocite and bornite occur in grey-black siltstone and in quartz, calcite, and epidote veins. The siltstones occur as lenses in maroon volcanoclastic rocks.

WORK DONE: Geological survey; geochemical survey, 17 silt samples; trenching, 12.8 cubic metres (5 trenches), covering Bandy (6 units).

REFERENCE: Mineral Inventory 94D-107.

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, SOUP Fraction.

1976

(94D/8E)

OWNER: E. V. WHITE, 311, 888 No. 1 Road, Richmond.
METALS: Copper, iron, gold.
DESCRIPTION: A conformable magnetite skarn in Upper Takla rocks contains oxidized zones in which are found pyrite and chalcopyrite.
WORK DONE: Magnetometer survey, 1 line-kilometre, covering Soup 5-8, Soup Fraction.
REFERENCES: Mineral Inventory 94D-105; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 161; Assessment Reports 5562, 5985.

BAP (Fig. E-1, NTS 94, No. 15)

LOCATION: Lat. 56° 29.5' Long. 126° 05' (94D/8E)
OMINECA M.D. On Kliyul Creek, 11 kilometres south-southeast of Johanson Lake, at 1 800 metres elevation.
CLAIMS: BAP 5, 8, 9 to 19, 21 to 23, 25, 26, 30, 34.
OWNER: BP MINERALS LIMITED, 405, 1199 West Pender Street, Vancouver V6E 2R1.
METALS: Copper, zinc, lead.
DESCRIPTION: Pyrite, with minor amounts of base metal sulphides, occurs disseminated and as fracture fillings in Takla Group ash tuffs.
WORK DONE: Linecutting, 4.6 kilometres; electromagnetic survey, 6.5 line-kilometres, covering Bap 9-11, 13-15, 18, 19, 21-23.
REFERENCES: Mineral Inventory 94D-92; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 161, E 162; Assessment Reports 5135, 5600, 5976.

NIK (Fig. E-1, NTS 94, No. 17)

LOCATION: Lat. 56° 40' Long. 126° 09' (94D/9E)
OMINECA M.D. Seven kilometres northeast of Johanson Lake.
CLAIMS: NIK 1 (12 units), NIK 2 (18 units), NIK 3 (18 units), NIK 4 (12 units), NIK 5 (12 units).
OWNER: BP MINERALS LIMITED, 405, 1199 West Pender Street, Vancouver V6E 2R1.
METAL: Copper.
DESCRIPTION: Disseminated pyrite and chalcopyrite occur in silicified and chloritized zones in peridotite, in drill holes 76-2 and 76-4.
WORK DONE: Surface geological mapping, 1:5000 and 1:10 000; geochemical survey, 2 000 soil, talus, and bedrock samples analysed for copper, molybdenum, zinc, and pH; magnetometer survey, 50 line-kilometres; induced polarization survey, 50 line-kilometres; linecutting, 55 kilometres (150 by 100-metre grid), covering all claims; surface diamond drilling, six BQ holes totalling 800 metres on Nik 1 and 2.
REFERENCES: Mineral Inventory 94D-109; Assessment Report 6015.

1976

(94D/9W)

DS (Fig. E-1, NTS 94, No. 18)

LOCATION: Lat. $56^{\circ} 40'$ Long. $126^{\circ} 27'$ (94D/9W)
OMINECA M.D. Twelve kilometres north of Asitka Peak, at 1 800 metres elevation.

CLAIMS: Z 1 to 60.

OWNER: Canadian Superior Exploration Limited.

OPERATOR: BP MINERALS LIMITED, 405, 1199 West Pender Street, Vancouver V6E 2R1.

METAL: Copper.

DESCRIPTION: Scattered blebs of bornite and secondary malachite occur in a small stock of medium-grained porphyritic diorite or quartz diorite.

WORK DONE: Surface diamond drilling, two BQ holes totalling 124.7 metres on Z 8, 11.

REFERENCES: Mineral Inventory 94D-4; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 162.

TOODOGGONE RIVER 94E

KEMESS (Fig. E-1, NTS 94, No. 19)

LOCATION: Lat. $57^{\circ} 04'$ Long. $126^{\circ} 45'$ (94E/2)
OMINECA M.D. Eight kilometres east of Thutade Lake, 3 kilometres due east of the centre of Duncan Lake, between 1 800 and 2 000 metres elevation.

CLAIMS: NEW KEMESS 1 (18 units), NEW KEMESS 2 (20 units).

OWNER: Kennco Explorations, (Western) Limited.

OPERATOR: GETTY MINING PACIFIC, LIMITED, 622, 510 West Hastings Street, Vancouver V6B 1L8.

METALS: Copper, molybdenum, gold, silver.

DESCRIPTION: Mineralization occurs as fracture fillings and disseminations in andesitic rocks of the Takla Group which have been intruded by granodiorite and diorite of the Omineca-Cassiar batholiths.

WORK DONE: Surface diamond drilling, seven BQ and NQ holes totalling 1 452.6 metres on New Kemess 1 (units 12 and 13) and New Kemess 1 (units 17 and 18).

REFERENCES: Mineral Inventory 94E-21; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 164; Assessment Report 6069.

CHAPPELLE (Fig. E-1, NTS 94, No. 20)

LOCATION: Lat. $57^{\circ} 17'$ Long. $127^{\circ} 07'$ (94E/6E)
OMINECA M.D. Thirty kilometres northwest of Thutade Lake.

CLAIMS: CHAPPELLE 1 to 22, 25 to 30, 33 to 57, 59 to 70, 79 to 90, 94 to 121, 138, 139, 146, 147, 156 to 168, 171, 172, 174 to 178, 184, 186,

1976

(94E/9W)

188, 190, 192, 194 to 199, 201, 203 to 209, 217 to 221, 245 to 250, 256 to 263, CW 1 Fraction.

OWNER: Kennco Explorations, (Western) Limited.

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

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: Underground geological mapping, 1:240, covering adit, crosscut, main drift, and two raises; drifting, 46 metres; raising, 141 metres; underground diamond drilling, seven IEX holes totalling 59 metres; surface diamond drilling, 13 NQWL holes totalling 760.8 metres; road construction (drill access), 1 000 metres.

REFERENCES: Mineral Inventory 94E-26; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 165.

ERN (Fig. E-1, NTS 94, No. 21)

LOCATION: Lat. 57° 43' Long. 126° 22.5' (94E/9W)
LIARD M.D. Fifty-eight kilometres northwest of the community of Ware, approximately 10 kilometres southwest of Fox Peak.

CLAIMS: ERN 1 to 4.

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.

METALS: Lead, zinc.

DESCRIPTION: Sphalerite and minor galena occur in coarse thin calcite veins in shaly dolomites and black shale.

WORK DONE: Surface diamond drilling, one hole totalling 56 metres, on Ern 2 and 3.

REFERENCE: Mineral Inventory 94E-55.

CLAW (Fig. E-1, NTS 94, No. 22)

LOCATION: Lat. 57° 37' Long. 127° 19' (94E/11)
LIARD M.D. Nineteen kilometres west of Chukachida Lake, 5.6 kilometres northwest of Moosehorn Lake, at approximately 2 000 metres elevation.

CLAIMS: CLAW 1 to 20, 25 to 36, 44, 46, 52, 61, 63, 66, 68, 70, 72, 75 to 77.

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, 200, 4299 Canada Way, Burnaby V5G 1H4.

METALS: Copper, silver.

DESCRIPTION: Triassic porphyritic andesite flows with minor tuffs are intruded by small monzonite intrusive rocks. Volcanic rocks are folded and faulted. Copper mineralization is widespread but erratic and probably fault controlled.

1976

(94E/14W)

WORK DONE: Drilling, two holes totalling 200 metres on Claw 6; surface geological mapping, 1:2400, covering Claw 26-30, 49-52.

REFERENCES: Mineral Inventory 94E-46; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 314; 1975, p. E 166; Assessment Reports 1974, 1975.

WEST (Fig. E-1, NTS 94, No. 23)

LOCATION: Lat. 57° 56' Long. 127° 26' (94E/14W)

LIARD M.D. On a small tributary of the Pitman River, about 28 kilometres north of the junction of Lunar Creek with Chuckachida River.

CLAIMS: WEST 5 to 17, 20 to 22, 25 to 30, MACK 10, 12, 14, MACK 1 Fraction.

OWNER: EL PASO MINING AND MILLING COMPANY, c/o G. A. Noel and Associates, 1127, 510 West Hastings Street, Vancouver V6B 1L8.

METAL: Copper.

DESCRIPTION: Chalcopyrite occurs in shears in quartz monzonite.

WORK DONE: Surface geological mapping, 1:2000 and geochemical survey, 233 soil, two silt, and five rock samples, covering West 25-30.

REFERENCES: Mineral Inventory 94E-10; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 485.

WARE 94F

PORK (Fig. E-1, NTS 94, No. 24)

LOCATION: Lat. 57° 09' Long. 124° 23.5' (94F/1W)

OMINECA M.D. Forty-eight kilometres northwest of Robb Lake, on the Ospika River.

CLAIMS: PORK, BEAN, SUE, TIM (totalling 16 units).

OWNER: BILL McCONECHY, 3474 Sefton Street, Port Coquitlam.

DESCRIPTION: Tufa noted near a cold mineral spring.

WORK DONE: 1975 — prospecting (40 soil samples analysed for zinc) covering Tim, Sue, Pork, Bean (16 units).

REFERENCE: Assessment Report 5861.

TRUTCH 94G

KEI (Fig. E-1, NTS 94, No. 26)

LOCATION: Lat. 57° 25' Long. 123° 50' (94G/5W)

LIARD M.D. Eleven kilometres north-northwest of the east end of Redfern Lake, on Petrie Creek, at approximately 1 650 metres elevation.

1976

(94L/4W)

CLAIMS: KEI 2 to 4, 8 to 10, 15 to 17, 19 to 24, 29 to 40, 45 to 56, 61 to 70, 79 to 86, 91 to 95, 97 to 98, 103 to 154.

OWNER: AQUITAINE COMPANY OF CANADA LTD., 540 Fifth Avenue SW., Calgary, Alberta T2P 0M4.

METALS: Lead, zinc.

DESCRIPTION: Mineralization lies in elongated lenses within a back-reef, siliceous facies of the Dunedin Formation (Upper Middle Devonian). Sphalerite is epigenetic and replaces fossils and voids; galena is finely and widely dispersed in matrix.

WORK DONE: Surface diamond drilling, one EX hole totalling 29 metres on Kei 125 and four AQ holes totalling 537 metres on Kei 124 and 125.

REFERENCES: Mineral Inventory 94G-9; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 469; 1974, p. 316; 1975, p. E 170.

KECHIKA 94L

MacDUCK (Fig. E-1, NTS 94, No. 27)

LOCATION: Lat. 58° 01' Long. 127° 53' (94L/4W)
LIARD M.D. One hundred and twenty kilometres east-southeast of the town of Dease Lake and 1 kilometre south of Pitman River.

CLAIM: MacDUCK (12 units).

OWNER: FALCONBRIDGE NICKEL MINES LIMITED, 700, 1112 West Pender Street, Vancouver V6E 2S1.

METAL: Zinc.

DESCRIPTION: Pyrite and sphalerite occur in pyritic sericite schists within greenstones.

WORK DONE: Prospecting; EM 16 survey, 10.8 line-kilometres; and geochemical survey, 350 soil samples analysed for copper, zinc, lead, and silver, covering MacDuck (12 units).

REFERENCE: Mineral Inventory 94L-10.

NORTHWEST BRITISH COLUMBIA
(NTS Division 104 and part of 114)

ISKUT RIVER 104B

BIG MISSOURI, UNICORN (Fig. E-1, NTS 104, No. 1)

LOCATION: Lat. 56° 07' Long. 130° 01' (104B/1E)
SKEENA M.D. Nine and one-half kilometres north of the town of Premier, on Big Missouri Ridge.

CLAIMS: BUENA VISTA (Lot 3207), PROVINCE (Lot 3208), JAIN (Lot 3209), WIN FR. (Lot 3224), RAMBLER (Lot 3206), CORNELIUS (Lot 1523), EMPIRE (Lot 1524), GLACIER (Lot 1522), MARTHA ELLEN (Lot 1521), LECKIE FR. (Lot 1525), TIP TOP (Lot 3205), SILVER CREEK FR. (Lot 4540), UNICORN 3 (Lot 4536), UNICORN 2 (Lot 4535), UNICORN (Lot 4534), UNITY (Lot 4537), GOOD HOPE (Lot 4538), SNOW KING (Lot 4539), H&W FR. (Lot 4541), UNITY FR. (Lot 4542), V FR. (Lot 4543), TIP TOP FR. (Lot 4180), UNION FR. (Lot 3215), TIGER (Lot 4152), PYRARGYRITE (Lot 4155), SILVERCREST FR. (Lot 4162), LION 1 (Lot 4166), LION 2 (Lot 4167), MONTANA 1 FR. (Lot 4178), MONTANA 2 FR. (Lot 4179), MONTANA 3 (Lot 5095), YELLOWSTONE FR. (Lot 4025), BOSTON (Lot 4026), DARVIN (Lot 4028), DUMAS (Lot 4029), DICKENS (Lot 4030), OCCIDENTAL FR. (Lot 4035), LION 3 (Lot 4268), LION FR. (Lot 4169), HIGH GRADE 2 (Lot 4603), HIGH GRADE 1 (Lot 4604), HIGH GRADE (Lot 4605), GALENA (Lot 4615), GALENA 1 (Lot 4616), GALENA FR. (Lot 4617), MONTANA 1 (Lot 5093), MONTANA 2 (Lot 5094), LAURA (Lot 3214), MONTANA (Lot 5092), GOOD HOPE (Lot 4037).

OWNER: Tournigan Mining Explorations Ltd.

OPERATOR: TAPIN COPPER MINES LIMITED, 307, 475 Howe Street, Vancouver.

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

DESCRIPTION: Several zones, mineralized with galena, sphalerite, chalcopyrite, pyrite, and arsenopyrite, lie within the Cascade Creek cataclasite band which consists of highly deformed fanglomerates predominantly volcanic rocks of the Hazelton Group. The sequence is intruded by dykes and many faults. The underground workings of the Big Missouri mine lie on the Province, Jain, and Buena Vista claims.

WORK DONE: Linecutting, 16.4 line-kilometres and induced polarization survey, 14.40 line-kilometres, covering Big Missouri and Unicorn; diamond drilling, eight holes totalling 176.8 metres on Creek and S-1 zones; underground mapping and sampling, 1:1000, 49 samples assayed for gold, silver, copper, zinc, and lead, covering Buena Vista, Province, and Jain; transit survey, 1:1000, covering Province; reconnaissance mapping, 1:5000, covering all claims; detailed mapping, 1:1000, covering Province East and West zones, S-1 zone, and Creek zone; road

1976

(104B/1E)

construction, 1 kilometre on Tip Top and Martha Ellen; test pitting (approximately 50 pits).

REFERENCES: Mineral Inventory 104B-46, 44; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 179; Assessment Reports 5988, 6009, 6080.

OUTLAND SILVER BAR (Fig. E-1, NTS 104, No. 40)

LOCATION: Lat. 56° 09' Long. 130° 05' (104B/1E)

SKEENA M.D. On the west side of the Salmon Glacier, south of its west arm, approximately 3 kilometres north-northeast of Mount Bayard.

CLAIMS: ELDORADO, ALMO, SILVER THOUGHT FR., ELDORADO 2, ELDORADO 3, ALMO FR., SILVER THOUGHT 2, BAR SILVER, RUBY SILVER FR., MONS, VIMY 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., Box 10011, 1130, 700 West Georgia Street, Vancouver.

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

DESCRIPTION: The property is underlain by fine-grained grey, banded, hornfelsed rocks of indeterminate origin, and in the northern area, by black limy siltstone. Lenses of tuff appear to be interbedded. These sedimentary rocks are strongly banded trending 265 to 290 degrees. The Portland Canal dyke swarm cuts the sedimentary rocks but parallel to the banding in the sedimentary rocks. The replacement-type mineralization in altered siltstones is massive sulphide mineralization with typical massive sulphide textures. Disseminated sphalerite occurs throughout the siltstone sequence in minor amounts.

WORK DONE: Reconnaissance geological mapping, 1:50, covering Lens (Lot 3624), Mineral Zone (Lot 4189), Vimy 1 (Lot 3623), Idaho (Lot 4602), Mountain Girl (Lot 4190), Bar Silver (Lot 4193), and Mons (Lot 3625).

REFERENCES: Mineral Inventory 104B-30; *Minister of Mines, B.C.*, Ann. Rept., 1929, pp. 49, 109; Assessment Report 6198.

PN (Fig. E-1, NTS 104, No. 28)

LOCATION: Lat. 56° 28' Long. 130° 38' (104B/7E)

LIARD M.D. Two kilometres west of Hawilson Lake, on the north-west spur of Mount Dunn.

CLAIMS: VV 1 to 6, ERIC 1 and 2 (40 units), BOOT 1 (9 units), FRANK 1 (20 units), CAN 1 (20 units), NON 1 (20 units).

OWNER: GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD., 715 Fifth Avenue SW., Calgary, Alberta.

METALS: Copper, molybdenum.

1976

(104B/8W)

DESCRIPTION: A diorite intrusive block is faulted into a Triassic volcanic and sedimentary pile. Chalcopyrite with occasional molybdenite is associated with quartz veining.

WORK DONE: Surface geological mapping, 1:2400; linecutting, 16 kilometres; induced polarization survey, 16 line-kilometres; and geochemical survey, 35 soil samples, covering VV 1-6 and Eric 1, 2.

REFERENCES: Mineral Inventory 104B-79; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 181.

UP (Fig. E-1, NTS 104, No. 2)

LOCATION: Lat. 56° 18' Long. 130° 21' (104B/8W)
SKEENA M.D. Five kilometres northwest of Mount Pearson, 50 kilometres north-northwest of Stewart.

CLAIMS: UP 1 to 8.

OWNER: G. A. NOEL AND ASSOCIATES, 1127, 510 West Hastings Street, Vancouver V6B 1L8.

METAL: Copper.

DESCRIPTION: Pyrite and chalcopyrite occur disseminated and along fractures in silicified dacite tuffs.

WORK DONE: Surface geological mapping, 1:2000 and petrographic study of three rock samples, covering Up 1 to 6.

REFERENCES: Mineral Inventory 104B-87; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, p. 35; Assessment Reports 3344, 6047.

RED RIVER (Fig. E-1, NTS 104, No. 41)

LOCATION: Lat. 56° 28' Long. 130° 13' (104B/8E)
SKEENA M.D. Two kilometres due 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 V6E 2K3.

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: Reconnaissance geological mapping, 1:5000, covering all units; geochemical survey, 21 rock samples analysed for gold, silver, copper, lead, molybdenum, covering two units and 296 soil samples analysed for silver, gold, and arsenic, covering 1 unit; trenching, 13.5 metres covering 1 unit.

REFERENCE: Mineral Inventory 104B-118.

1976

(104B/9)

BIG SHOWING (MITCHELL) (Fig. E-1, NTS 104, No. 3)

LOCATION: Lat. 56° 32' Long. 130° 15' (104B/9)
SKEENA M.D. On the ridge between Sulphurets Glacier and Mitchell Glacier.

CLAIMS: IRON CAP 1 (2 units), IRON CAP 2 (1 unit), IRON CAP 3 (2 units) plus TEDRAY 1 to 13, ED 1 and 2, and GRACE, totalling 92 units.

OWNER: GRANDUC MINES, LIMITED, 2009, 1177 West Hastings Street, Vancouver V6E 2K3.

METALS: Copper, molybdenum, silver, gold.

DESCRIPTION: Copper and molybdenum sulphides occur in broken and altered zones in syenitic and granitic intrusive rocks and in strongly altered arenaceous sedimentary rocks. Silicification, pyritization, and sericitization are the major alteration types.

WORK DONE: Prospecting and reconnaissance geological mapping, 1:5000; geochemical survey, 56 rock samples analysed for copper, molybdenum, lead, silver, and gold; and trenching, 30 metres (seven trenches), covering Tedray 1 (2 units), Iron Cap 1 (2 units), Iron Cap 2 (1 unit), and Iron Cap 3 (2 units); geochemical survey, 14 rock samples analysed for molybdenum, lead, and silver, covering Grace (2 units); trenching, 14 metres (two trenches) on Tedray 13; petrographic study of 40 rock thin sections.

REFERENCES: Mineral Inventory 104B-12, 103, 104, 105; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 182 [Big (Ran)]; Assessment Reports 348, 499, 569, 1006, 3170, 5416, 5921, 5958, 6066.

MacKAY (Fig. E-1, NTS 104, No. 4)

LOCATION: Lat. 56° 37' Long. 130° 29' (104B/9W)
SKEENA M.D. Four kilometres east of Tom Mackay Lake, between Unuk and Iskut Rivers.

CLAIMS: TOK 1 to 22, KAY 11 to 18, SIB 1 to 16.

OWNERS: Stikine Silver Ltd. (Tok and Kay) and Consolidated Silver Butte Mines Ltd. (Sib).

OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Silver, zinc, lead, gold.

DESCRIPTION: Acid volcanic and associated pyroclastic rocks and erosional products, intercalated with major units of fossiliferous marine clastic sedimentary rocks, are overlain by basaltic pillow lavas, hyaloclastites, and associated mudstones. Mineralization consists of stockwork veining with pyrite, tetrahedrite, sphalerite, galena, chalcopyrite, and some arsenopyrite, and of small lenses of massive, banded pyrite, sphalerite, and galena.

WORK DONE: Surface diamond drilling, seven BQ holes totalling 380 metres, on Kay 11, 15, 16.

REFERENCES: Mineral Inventory 104B-8; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 182; Assessment Report 6075.

1976

(104B/10W)

TAMI, KIM (Fig. E-1, NTS 104, No. 5)

LOCATION: Lat. 56° 34' Long. 130° 46' (104B/10W)
LIARD M.D. Fifteen kilometres south-southeast of the confluence of Snippaker Creek and the Iskut River.

CLAIMS: TAMI 1 to 37, KIM (totalling approximately 30), PONCHO 1 to 6.

OWNER: GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.,
715 Fifth Avenue SW., Calgary, Alberta.

METALS: Copper, molybdenum.

DESCRIPTION: A multiphase intrusive body, ranging from quartz monzonite through diorite to felsitized altered intrusive, intrudes Triassic volcanic rocks.

WORK DONE: Geochemical survey, 16 soil and eight rock samples, covering Kim 13-30.

REFERENCES: Mineral Inventory 104B-116, 117; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 183; Assessment Reports 3981, 5142, 5752, 6030.

TELEGRAPH CREEK 104G

STIKINE COPPER (HAB) (Fig. E-1, NTS 104, No. 11)

LOCATION: Lat. 57° 08' Long. 131° 28' (104G/3W)
LIARD M.D. Three kilometres east-southeast of Saddlehorn Mountain, on the east flowing tributary of Galore Creek.

CLAIMS: HAB 1, 3, 18, 20, 47 to 52, HAB 1 Fraction, BUY 4 to 8, 11, 13 to 16, GC 1 to 29, 31, 34 to 68, 70, 72, 74 to 109, 111 to 171, 210 to 237, XGC 30, 32, 33, 69, 71, 73, 110, XGC 1 Fraction, GC 2 to 10, 16, 36 Fractions, KENNCO GC 11 to 15 Fractions, KENNCO GC 172 to 209, SK 1 to 3 Fractions.

OWNER: Stikine Copper Limited.

OPERATOR: HUDSON BAY MINING AND SMELTING CO., LIMITED, Box 28, Toronto-Dominion Centre, Toronto, Ontario M5K 1B8.

METALS: Copper, minor gold and silver.

DESCRIPTION: The property is underlain by a complex belt of intrusive syenite porphyry and Triassic metavolcanic flows, breccias, tuffs, agglomerate, and minor sedimentary rocks. Disseminated pyrite, chalcopyrite, and minor bornite occur mainly in metavolcanic rocks and in syenite porphyry.

WORK DONE: Surface diamond drilling, 24 NQ holes totalling 5 233.2 metres on GC 1, XGC 110, GC 2 Fraction, GC 117, GC 101, Hab 3.

REFERENCES: Mineral Inventory 104G-16; *Minister of Mines, B.C.*, Ann. Rept., 1965; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972; 1973, pp. 501-505; 1974, p. 336.

1976

(104G/4E)

ANN (SO, SPLIT CREEK) (Fig. E-1, NTS 104, No. 6)

LOCATION: Lat. 57° 03' Long. 131° 33' (104G/4E)
LIARD M.D. Eleven kilometres east-southeast of the junction of Anuk and Stikine Rivers.

CLAIMS: AS 1 to 12.

OWNER: GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.,
715 Fifth Avenue SW., Calgary, Alberta.

METAL: Copper.

DESCRIPTION: Diorite intrusive into Triassic volcanic rocks.

WORK DONE: Linecutting, 10.7 kilometres and geochemical survey, 143 soil samples, covering all claims.

REFERENCES: Mineral Inventory 104G-23; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 183; Assessment Reports 5615 (not 5614), 6022.

JW (Fig. E-1, NTS 104, No. 8)

LOCATION: Lat. 57° 11' Long. 131° 35' (104G/4E)
LIARD M.D. On the north fork of Jack Wilson Creek, 11 kilometres south of the Scud River.

CLAIM: LORI 1 (6 units).

OWNER: GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.,
715 Fifth Avenue SW., Calgary, Alberta T2P 2X7.

METAL: Copper.

DESCRIPTION: Chalcopyrite occurs along a north-trending shear zone in quartz monzonite.

WORK DONE: Geological evaluation, Lori 1 (6 units).

REFERENCES: Mineral Inventory 104G-21; *Minister of Mines, B.C.*, Ann. Rept., 1965, pp. 32-34.

LIARD COPPER (BIRD, SNO) (Fig. E-1, NTS 104, No. 42)

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, RUM, SUE, VON, WIN, IMP, A, MU, JACK, LL, 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: Valuable sulphides occur in strongly fractured Upper Triassic pyroclastic rocks which are intruded by quartz feldspar porphyry dykes and breccias in a structurally complex zone with dimensions approximately 3 kilometres by 2 kilometres.

1976

(104G/7W)

WORK DONE: Surface geology and drill core examinations; comprehensive petrographic descriptions based on core data prepared; geological sections redrawn to and in structural interpretation.

REFERENCES: Mineral Inventory 104G-15; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 184.

RUN (Fig. E-1, NTS 104, No. 49)

LOCATION: Lat. 57° 18' Long. 130° 54' (104G/7W)

LIARD M.D. Sixteen kilometres south of Mess Lake, on Mess Creek.

CLAIMS: MAY 1 to 6 (20 units each).

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver.

METALS: Copper, molybdenum, (lead, zinc).

DESCRIPTION: Finely disseminated chalcopyrite, and some altered areas containing veinlets and blebs of chalcopyrite, quartz, and carbonate occur in syenite porphyry.

WORK DONE: Linecutting, 17.2 kilometres; geological mapping of central portion of property (24.2 kilometres), 1:2500; geochemical survey, 618 soil and 36 rock samples; preparation of orthophoto mosaic, 1:2500, covering May 1 to 6.

REFERENCES: Mineral Inventory 104G-40; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, p. 39; Assessment Reports 3093, 3577, 3989, 4100, 4755, 6162.

GJ (Fig. E-1, NTS 104, No. 9)

LOCATION: Lat. 57° 39' Long. 130° 14' (104G/9E)

LIARD M.D. Seven and a half kilometres west-southwest of the north end of Kinaskan Lake.

CLAIM: GJ (12 units).

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

METAL: Copper.

DESCRIPTION: Chalcopyrite occurs in a quartz stockwork within a dioritic intrusion.

WORK DONE: Geochemical survey, 600 soil samples, covering GJ (12 units).

REFERENCES: Mineral Inventory 104G-34; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, pp. 40, 41; Assessment Reports 700, 6095.

GOAT HORN, MISTY MOUNTAINS (Fig. E-1, NTS 104, No. 7)

LOCATION: Lat. 57° 40' Long. 130° 13' (104G/9E)

LIARD M.D. Approximately 10 kilometres west of Kinaskan Lake.

CLAIMS: GOAT (16 units), GOAT HORN (12 units), MISTY MOUNTAINS (9 units), GOAT HIDE (12 units), LITTLE GOAT (9 units), NOODLE (9 units), MIRKWOOD (9 units), RIVENDELL (9 units), BILLY GOAT (3 units), NANNY GOAT (3 units).

1976

(104G/14W)

OWNER: Texasgulf Canada Ltd.
OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver V6E 3J7.
METAL: Copper.
DESCRIPTION: Mesozoic volcanic and volcano-sedimentary rocks have been intruded by an elongate hornblende monzonite to locally diorite pluton, probably of Late Triassic age. Strong quartz vein stockworks with pyrite and chalcopyrite are locally developed, both within the intrusive rocks and in sedimentary rocks near intrusive contacts.
WORK DONE: Surface geological mapping, 1:10 000, covering all claims; geochemical survey (spot locations); linecutting and induced polarization and magnetometer surveys, 10.6 line-kilometres each, covering Goat and Goat Hide; trenching, 51 metres on Goat and Goat Horn; legal corner post control survey.
REFERENCES: Mineral Inventory 104G-86; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1970, pp. 58-60 (GJ); Assessment Reports 6073, 6090.

GLENORA — KING (Fig. E-1, NTS 104, No. 10)

LOCATION: Lat. 57° 55' Long. 131° 25' (104G/14W)
LIARD M.D. Sixteen kilometres west of Telegraph Creek, on the north side of Winter Creek.
CLAIMS: KIT 1 to 26.
OWNER: Texasgulf Canada Ltd.
OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver V6E 3J7.
METALS: Copper, gold.
DESCRIPTION: Steeply dipping Mesozoic lavas and pyroclastic rocks, cut by felsic dykes and lying near a monzonite pluton, are locally pyritized and iron stained. Chalcopyrite, pyrite, and pyrrhotite occur in small shears and replacement lenses in intermediate volcanic rocks.
WORK DONE: Surface geological mapping, 1:4800; four trenches totalling 37 metres (17 samples assayed for copper, molybdenum, gold, and silver) on Kit 6, 15.
REFERENCES: Mineral Inventory 104G-3; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 184; Assessment Reports 5509, 6010.

SPATSIZI RIVER 104H

BONANZA, ELDORADO (Fig. E-1, NTS 104, No. 13)

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, at approximately 1 000 metres elevation.

1976

(104H/12W)

CLAIMS: BONANZA (20 units), ELDORADO (20 units).
OWNER: Texasgulf Canada Ltd.
OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver V6E 3J7.
METAL: Copper.
DESCRIPTION: Mesozoic volcanic and volcano-sedimentary rocks have apparently been intruded by feldspar porphyry which has locally well-developed phyllic alteration and contains some weak pyrite and chalcopyrite mineralization.
WORK DONE: Surface geological mapping, 1:2500; geochemical survey, 235 soil and 18 rock chip samples; induced polarization and magnetometer surveys and linecutting, approximately 8 kilometres each, covering both claims.
REFERENCES: Mineral Inventory 104H-13; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 187; Assessment Report 6016.

RED, CHRIS, SUS, WINDY (Fig. E-1, NTS 104, No. 12)

LOCATION: Lat. 57° 42' Long. 129° 48' (104H/12W)
LIARD M.D. Nine kilometres south of Eddontenajon Lake, at approximately 1 500 metres elevation.
CLAIMS: Texasgulf Canada Ltd. — 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); Silver Standard Mines Limited — RED 4 to 34, SUS 79, 81, 83; Great Plains Development Company of Canada, Ltd. — CHRIS 1 to 24, MONEY 1 to 30, 32, 34, 36, 38, 40 to 59, 61, 63.
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, and is in fault contact with Cretaceous terrigenous clastic rocks. Chalcopyrite, pyrite, and rare bornite occur in quartz vein stockworks and as fine disseminations in the intrusion.
WORK DONE: Surface geological mapping, 1:4800 and 1:12 000, covering all claims; geochemical survey, 1 523 soil samples analysed for copper, covering Red 8-11, 20-23, 25, 26, Chris 1, 2, 9-14, 34, Cougar 2, 4, 5 Fractions; induced polarization survey, 5.7 line-kilometres, covering Red 9, 25 and Chris 2; linecutting, 8 kilometres, covering Chris 7, 9-16, 19, 20, Cougar 4, 5, 7, 8 Fractions; control surveying, legal corner posts and drill holes;

surface diamond drilling, 19 BQ holes totalling 2 912 metres on Red 9, 10, 25 and Crhis 2, 9.

REFERENCES: Mineral Inventory 104H-2, 4, 5, 6; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 185, 186; Assessment Report 6111.

HI (Fig. E-1, NTS 104, No. 15)

LOCATION: Lat. 57° 47' Long. 129° 50' (104H/13W)
 LIARD M.D. One kilometre north of Ealue Lake, between 1 150 and 1 200 metres elevation.

CLAIMS: HI 1 to 4, CHANCE (1 unit), SHORE (3 units), CORE (4 units), LOW (1 unit).

OWNER: J. SCHUSSLER, 13135 20th Avenue, Surrey V4A 1Z1.

METAL: Copper.

DESCRIPTION: Pyrite and chalcopyrite occur in Triassic (Takla Group) volcanic and volcanoclastic rocks with limy metasedimentary horizons. These are intruded by a feldspar porphyry dyke or sill.

WORK DONE: Surface diamond drilling, three holes totalling 200.9 metres, on Low and Hi 2.

REFERENCES: Mineral Inventory 104H-14; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 188; Assessment Reports 5703, 6124, 6203.

ROSE (Fig. E-1, NTS 104, No. 14)

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), ORGE (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 VII (6 units), TUDOR (6 units), CHECK (8 units), ROGER (3 units), OKAY (2 units), YACU (4 units).

OWNER: Texasgulf Canada Ltd.

OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver V6E 3J7.

METAL: Copper.

DESCRIPTION: Several small stocks or irregular bodies of hornblende monzonite have intruded a thick pile of Mesozoic volcanic and related volcanoclastic sedimentary rocks. Some intrusive bodies show strong quartz-sericite-pyrite alteration. Copper mineralization occurs in quartz vein stockworks in monzonite, carrying chalcopyrite, with some pyrite, and to a lesser degree, in the non-intrusive rocks.

WORK DONE: Surface geological mapping, 1:10 000, covering all claims; geochemical survey, 902 soil samples analysed for copper and molybdenum; induced polarization survey, 25 line-kilometres; magnetometer survey, 40

1976

(104H/13W)

line-kilometres; control survey of legal corner posts and drill holes; surface diamond drilling, nine BQ holes totalling 437 metres on Rose of Klappan; hand trenching, 99 metres on Rose of Klappan and Last Rose of Summer.

REFERENCES: Mineral Inventory 104H-1; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 187; Assessment Reports 3128, 6093.

CB (Fig. E-1, NTS 104, No. 16)

LOCATION: Lat. $57^{\circ} 57'$ Long. $129^{\circ} 52'$ (104H/13W)
LIARD M.D. On the Klastline Plateau, approximately 18 kilometres north-northeast of the community of Eddontenajon.

CLAIM: CB 1 (20 units).

OWNER: United Mineral Services Ltd.

OPERATOR: NORCEN ENERGY RESOURCES LIMITED, 715 Fifth Avenue SW., Calgary, Alberta T2P 2X7.

DESCRIPTION: The property encompasses andesite and dacite volcanic rocks and argillaceous sedimentary rocks of Permian and/or Triassic age. Mineralization consists of minor hematite and pyrite associated with isolated quartz-carbonate veins.

WORK DONE: Surface geological mapping, 1:12 000 and geochemical survey, 19 silt and 40 soil samples, covering all claims.

REFERENCE: Assessment Report 6077.

CRY LAKE 104I

TUCHO (Fig. E-1, NTS 104, No. 19)

LOCATION: Lat. $58^{\circ} 11'$ Long. $128^{\circ} 13'$ (104I/1E)
LIARD M.D. On Tucho River, 15 kilometres south of Hottah Lake.

CLAIMS: TUCHO 1 (15 units), TUCHO 2 (20 units).

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B 3T5.

WORK DONE: Prospecting, covering Tucho 2 (units 1-5, 12-21, 23-27); geochemical survey, 15 soil and eight silt samples analysed for copper, zinc, lead, and molybdenum, covering Tucho 1 (units 1-3, 14-19, 25-30).

JEFF (Fig. E-1, NTS 104, No. 17)

LOCATION: Lat. $58^{\circ} 12'$ Long. $128^{\circ} 22'$ (104I/1W)
LIARD M.D. Twenty-one kilometres southeast of the south end of Rainbow Lake, at approximately 1 600 metres elevation.

CLAIMS: JEFF 1 to 9, 13 to 22, 24 to 138, KRIS 1 to 9, 11 to 16, JENN 1 to 9, JET 1 to 3, LIN 11, 39, 40, TUC 1 to 8, CHO 1 to 8, BOW 1 to 40, PY

1976

(1041/1W)

1 to 52, REX 1 to 4 Fractions, MOE 1 (6 units), CROSS 1 (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: Massive sulphides, including chalcopyrite, sphalerite, bornite, and chalcocite, occur in a pyritic horizon within sericite schists derived from rhyolitic lapilli tuffs and quartz feldspar porphyry.
WORK DONE: Surface geological mapping, 1:4800 and 1:12 000 and geochemical survey, 700 soil and silt samples analysed for copper and zinc, covering most of the claims; surface diamond drilling, 24 BQ holes totalling 3 633 metres on Bow 34, Py 7, Jeff 2, 4, 5, 6, 43, 64.
REFERENCES: Mineral Inventory 1041-61; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 188, E 189; Assessment Reports 5986, 5987.

SMRB (Fig. E-1, NTS 104, No. 18)

LOCATION: Lat. 58° 12' Long. 128° 23' (1041/1W)
LIARD M.D. Twenty-one kilometres south-southeast of Rainbow Lake, near the headwaters of an eastern tributary of Kutcho Creek.
CLAIMS: SMRB 1 to 16, KC 1 to 8, 12 to 33, 60, 90 to 92, 97 to 99, 106, KC 62, 64, 66, 68, 70, 81 to 89, 102 to 105, 108 to 121, 122.
OWNER: SUMAC MINES LTD., Box 10150, Pacific Centre, Vancouver V7Y 1C6.
METALS: Copper, zinc.
DESCRIPTION: A stratabound and massive (Kieslager-type) deposit of pyrite, chalcopyrite, bornite, and sphalerite occurs in schistose rocks.
WORK DONE: Surface diamond drilling, 11 BQ holes totalling 3 260 metres.
REFERENCES: Mineral Inventory 1041-60; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 510; 1974, p. 348; 1975, p. E 189; Assessment Reports 5778, 6025, 6026, 6038, 6039.

BOW (Fig. E-1, NTS 104, No. 20)

LOCATION: Lat. 58° 09' Long. 128° 32' (1041/2E)
LIARD M.D. Twenty-five kilometres south of Rainbow Lake, at the headwaters of Kutcho Creek, at 1 600 metres elevation.
CLAIMS: BOW 1 to 40.
OWNER: IMPERIAL OIL LIMITED, 314, 1281 West Georgia Street, Vancouver.
METAL: Copper.
DESCRIPTION: Minor bornite and chalcopyrite were noted in one quartz vein in quartzite.
WORK DONE: Surface diamond drilling, one BQ hole totalling 114 metres on Bow 34.
REFERENCES: Mineral Inventory 1041-71; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 189; Assessment Reports 5508, 5911.

1976

(104I/2E)

KUTCHO (Fig. E-1, NTS 104, No. 22)

LOCATION: Lat. 58° 12' Long. 128° 31' (104I/2E)
LIARD M.D. Twenty-two kilometres south of Rainbow Lake, at the easterly flowing headwaters of Kutcho Creek.

CLAIMS: KUTCHO 1 to 10 (174 units).

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B 3T5.

METAL: Copper.

DESCRIPTION: The claims area is partly underlain by schistose acid volcanic flows and tuffs. Some quartz sericite schists and quartz-eye sericite schists are extensively mineralized with pyrite. A few small lenses of pyrite-chalcocopyrite were observed within this unit.

WORK DONE: Surface geological mapping, 1:50 000, covering all claims and 1:10 000, covering Kutcho 2, 4, 6; geochemical survey, 1 857 soil samples analysed for copper, lead, zinc, and molybdenum; linecutting, 80 kilometres; electromagnetic survey (horizontal and vertical loop), 72 kilometres; and induced polarization survey, 20 kilometres, covering Kutcho 2, 4, 6.

REFERENCES: Mineral Inventory 104I-72; Assessment Report 6210.

LETAIN, KEHLECHOA (Fig. E-1, NTS 104, No. 21)

LOCATION: Lat. 58° 14' Long. 128° 45' (104I/2)
LIARD M.D. Extending from 4 kilometres due south of Letain Lake to 6 kilometres southeast of Provencher Lake.

CLAIMS: LETAIN 1 (20 units), LETAIN 2 (12 units), LETAIN 3 (20 units), LETAIN 4 (20 units), LETAIN 5 (20 units), LETAIN 6 (20 units), LETAIN 7 (18 units), LETAIN 8 (20 units), KEHLECHOA 1 to 4 (20 units each).

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B 3T5.

DESCRIPTION: The claims are underlain by northwesterly trending black slates and grey to green greywacke. No significant mineralization was observed. A number of large serpentinite bodies occur through the central part of the property.

WORK DONE: Surface geological mapping, 1:50 000, covering most of the claims.

NUP (Fig. E-1, NTS 104, No. 23)

LOCATION: Lat. 58° 18' Long. 129° 38' (104I/5E)
LIARD M.D. Thirty kilometres east of Dease Lake, at the headwaters of the northwest fork of Snowdrift Creek.

CLAIMS: KEN (20 units), TOM (20 units), ITS (20 units), HERE (20 units).

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver.

METALS: Copper, molybdenum.

1976

(104I/6E)

DESCRIPTION: Triassic andesites are intruded by a biotite-granodiorite stock or outlier of the Cassiar batholith. A quartz stockwork, containing low concentrations of chalcopyrite, molybdenite, and pyrite, occurs within the stock. A highly altered and silicified zone, thought to be a greisen is found within the andesitic unit. This zone contains pyrite with minor sphalerite and galena.

WORK DONE: Surface geological mapping, 1:10 000, covering all claims; surface diamond drilling, three BQ holes totalling 274.3 metres on Tom, Its.

REFERENCES: Mineral Inventory 104I-59; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 190.

JOY (EAGLE) (Fig. E-1, NTS 104, No. 24)

LOCATION: Lat. 58° 29' Long. 129° 07' (104I/6E)
LIARD M.D. Twenty-two kilometres south of the south end of Cry Lake, 3.5 kilometres southeast of Eaglehead Lake.

CLAIMS: EAGLE (totalling 145), SEE (12 units).

OWNER: IMPERIAL OIL LIMITED, 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, molybdenum.

DESCRIPTION: Fracture-controlled zones of porphyry-type mineralization occur in a dyke-like body of foliated biotite quartz diorite, located within two other intrusive units. Mineralization is particularly concentrated at crosscutting structures.

WORK DONE: Surface geological mapping, 1:12 000, covering Eagle 51-58, 83, 85, 87, 89 and 1:5000, covering See (12 units); induced polarization survey, 16 line-kilometres, covering See (12 units); surface diamond drilling, five BQ holes totalling 1 045 metres on Eagle 53, 98, 121, 124.

REFERENCES: Mineral Inventory 104I-8; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 190, E 191; Assessment Reports 6086, 6192.

LET (Fig. E-1, NTS 104, No. 25)

LOCATION: Lat. 58° 18' Long. 128° 37' (104I/7E)
LIARD M.D. Four kilometres west of Kutcho Creek, 86 kilometres east-southeast of Dease Lake community.

CLAIMS: LET (16 units), CREEK (8 units).

OWNER: FALCONBRIDGE NICKEL MINES LIMITED, 700, 1112 West Pender Street, Vancouver V6E 2S1.

METAL: Copper.

DESCRIPTION: Minor disseminated pyrite and chalcopyrite occur in dacitic chlorite schists.

WORK DONE: Prospecting and linecutting, 36.9 kilometres, covering both claims.

REFERENCE: Mineral Inventory 104I-74.

1976

(104I/12E)

MAC (Fig. E-1, NTS 104, No. 26)

LOCATION: Lat. 58° 35' Long. 129° 41' (104I/12E)
LIARD M.D. Between Eagle and Little Eagle Rivers, 23 kilometres west-northwest of Eaglehead Lake, at 1 700 metres elevation.

CLAIM: EAGLE 1 (4 units).

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B 3T5.

METALS: Copper, tungsten.

DESCRIPTION: Massive sulphides comprising pyrrhotite, chalcopyrite, pyrite, and scheelite occur along a skarn zone near the contact between limestones and a granodiorite-quartz monzonite intrusion.

WORK DONE: Surface geological mapping, 1:5000; magnetometer survey, 8.4 kilometres; and geochemical survey, 175 soil samples analysed for copper, lead, zinc, and molybdenum, covering Eagle 1 (4 units).

REFERENCES: Mineral Inventory 104I-20; *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 38; Assessment Report 1105.

DEASE LAKE 104J

STAR (Fig. E-1, NTS 104, No. 27)

LOCATION: Lat. 58° 13' Long. 131° 43' (104J/4E)
ATLIN M.D. On Dick Creek, a northeasterly flowing tributary of the Hackett River, 5 kilometres northeast of Kaketsa Mountain.

CLAIMS: STAR 1 to 13 (94 units).

OWNER: UNITED CAMBRIDGE MINES LIMITED, 211, 543 Granville Street, Vancouver V6C 1X8.

METALS: Copper, gold, silver.

DESCRIPTION: Diorite of the Kaketsa stock has intruded an assemblage of Triassic volcanic and related sedimentary rocks. Copper mineralization is locally concentrated along margins of intrusive rock. Copper minerals within the stock are mainly malachite and azurite after chalcopyrite. Chalcopyrite, with magnetite and pyrite, occurs in the intruded volcanic rocks.

WORK DONE: Reconnaissance geological mapping and sampling over entire group plus preliminary work on Dick Creek grid.

REFERENCES: Mineral Inventory 104J-35; *B.C. Dept. of Mines & Pet. Res.*, Geological Fieldwork, 1974, pp. 63-68; 1975, p. 77.

1976

(104K/8E)

TULSEQUAH 104K

NORM (Fig. E-1, NTS 104, No. 29)

LOCATION: Lat. 58° 17' Long. 132° 02' (104K/8E)
ATLIN M.D. Six kilometres east of the Samotua River, due east of the south end of Tatsamenie Lake.

CLAIMS: FAE 6, 8, 10, 19.

OWNER: KENNCO EXPLORATIONS, (WESTERN) LIMITED, 730, 505 Burrard Street, Vancouver.

METAL: Copper.

DESCRIPTION: Low-grade pockets of disseminated copper minerals occur in fractures in a stock of quartz monzonite.

WORK DONE: Geochemical survey, 24 soil, 7 silt, and 15 rock samples re-analysed for molybdenum, copper, silver, tungsten, and fluorite, covering Fae 6, 8, 10, 19.

REFERENCES: Mineral Inventory 104K-14; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, p. 50; Assessment Reports 476, 5924.

MC (Fig. E-1, NTS 104, No. 30)

LOCATION: Lat. 58° 22.5' Long. 132° 13' (104K/8E)
ATLIN M.D. Six kilometres due east of the central 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: A prominent gossan outlines an area containing 3 to 5 per cent pyrite. Within and extending beyond the gossan for several hundred metres is a propylitic altered zone. Semiconcentric zones of argillic and phyllic alteration with associated stockwork-type chalcopyrite-molybdenite mineralization were found within the gossan. The alteration zones are centred about a biotite-quartz feldspar porphyry that has intruded Triassic volcanic rocks (mainly andesite) and Triassic diorite, monzonite, and granodiorite.

WORK DONE: Surface geological mapping, 1:5000, covering Peach (units 1, 4, 5), Orange (units 1-6), Apple (units 1-6), Plum (units 1-8), Pomegranite (unit 1); geochemical survey, 298 soil samples analysed for copper, molybdenum, silver, and zinc, covering Peach (units 1, 2, 4), Orange (unit 1), Apple (unit 6), Plum (units 1-3, 6-11).

REFERENCES: Mineral Inventory 104K-32; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1971, pp. 50, 51; Assessment Report 6019.

1976

(104M/9W)

SKAGWAY 104M

GOLD CUP (Fig. E-1, NTS 104, No. 31)

LOCATION: Lat. 59° 32.5' Long. 134° 27' (104M/9W)
ATLIN M.D. Three kilometres east of Mount Lawson, on the west side of Bighorn Creek.

CLAIMS: LAWSON 1 to 3.

OWNER: M. J. Cooper.

OPERATOR: LOBELL OIL & GAS LTD., 1230 — 10th Avenue SW., Calgary, Alberta.

METALS: Gold, (zinc, silver, lead).

DESCRIPTION: A vein occurs in a fissure zone in hornblende schist rock. The vein filling is white quartz, mineralized with fine crystals of pyrite, small amounts of sphalerite and galena, and indications of gold and silver values.

WORK DONE: 1975 — surface geological mapping, 1:2400 and trenching (assays included), covering all claims.

REFERENCES: Mineral Inventory 104M-6; *Minister of Mines, B.C.*, Ann. Rept., 1934, p. B 34; Assessment Report 5910.

ATLIN 104N

NEW YEAR (Fig. E-1, NTS 104, No. 32)

LOCATION: Lat. 59° 29' Long. 133° 33' (104N/5E)
ATLIN M.D. East of Atlin Lake, on McKee Creek, at the junction of Eldorado Creek.

CLAIMS: NEW YEAR, CHRISTMAS.

OWNER: JOHN R. HARVEY, General Delivery, Atlin.

WORK DONE: 1975 — electromagnetic survey covering New Year.

BOOT (Fig. E-1, NTS 104, No. 51)

LOCATION: Lat. 59° 32' Long. 132° 49' (104N/10W)
ATLIN M.D. Two kilometres east of Gladys River, midway between Line and Angel Lakes.

CLAIMS: WIND 3 to 6, STORM 1 and 2, JENNIFER 1 to 8, LINE 43, 45, 90.

OWNER: CANADIAN JOHNS-MANVILLE COMPANY LIMITED, Box 1500, Asbestos, Quebec J1T 3N2.

METALS: Copper, lead, zinc, silver, (tungsten, tin, molybdenum, fluorite).

DESCRIPTION: Massive sulphides occur in lenses and pods within a chloritic zone. Mineralization consists of nearly massive pyrrhotite containing pyrite and chalcopyrite.

1976

(104O/6W)

WORK DONE: Surface geological mapping and topographic survey, 1:2400; geochemical survey, 179 soil samples analysed for copper, lead, zinc, and silver, 194 soil samples analysed for tin, tungsten, and fluorite, 29 soil samples analysed for manganese, 23 rock samples analysed for copper, lead, zinc, silver, molybdenum, and tungsten, 29 rock samples analysed for arsenic, bismuth, antimony, and fluorite, 25 rock samples analysed for tin, and 4 rock samples analysed for uranium, beryllium, and bismuth; magnetometer and electromagnetic surveys, covering all claims.

REFERENCES: Mineral Inventory 104N-78; Assessment Reports 6127, 6128.

JENNINGS RIVER 104O

SWAN (Fig. E-1, NTS 104, No. 33)

LOCATION: Lat. 59° 17' Long. 131° 18' (104O/6W)

ATLIN M.D. South of Jennings River, 1 kilometre north of the headwaters of the east branch of Tahoots Creek.

CLAIMS: WINDY 1 (20 units), WINDY 2 (20 units).

OWNER: AMAX POTASH LIMITED, 601, 535 Thurlow Street, Vancouver V6E 3L6.

METAL: Molybdenum.

DESCRIPTION: The property is located in the northern portion of the Glundebery batholith, a complex intrusion of diorite, alaskite, granite, and porphyries. Two types of mineralization occur on the property: coarse rosettes of molybdenite in quartz veins and fine-grained molybdenite in quartz breccia veins. Both types of mineralization are in a 4 by 1.5-kilometre stock of quartz-K-feldspar plagioclase porphyry.

WORK DONE: Linecutting, 27.2 kilometres; induced polarization survey, 19.2 line-kilometres; magnetometer survey, 27.2 line-kilometres; surface geological mapping; geochemical survey, 350 soil samples analysed for molybdenum, copper, lead, and zinc, covering both claims.

REFERENCES: Mineral Inventory 104O-10; B.C. Dept. of Mines & Pet. Res., GEM, 1975, p. E 192; Assessment Report 6012.

McDAME 104P

ATAN, SKI, ADAIR (Fig. E-1, NTS 104, No. 35)

LOCATION: Lat. 59° 12' Long. 129° 12' (104P/3E)

LIARD M.D. Two and one-half kilometres east of McDame Post, surrounding Atan Lake.

CLAIMS: ATAN 1 to 4, SKI 1 to 18, ADAIR 1 to 8, FOX 1, WOLF 1, 3, 5, 7, AUGUST 1 to 6, A, B, and C Fractions.

1976

(104P/4E)

OWNER: Tournigan Mining Explorations Ltd.
OPERATOR: IMPERIAL OIL LIMITED, 314, 1281 West Georgia Street, Vancouver.
METALS: Lead, barite, minor zinc, copper.
DESCRIPTION: Lower Cambrian carbonates and interbedded siltstones host veins of barite, with minor galena, sphalerite, and copper minerals. The veins occur in brecciated sections of crystalline dolomite.
WORK DONE: Surface geological mapping, 1:24000, covering Adair 1-8 and Atan 1-4; surface diamond drilling, two BQ holes totalling 294.6 metres on Atan 3 and 4.
REFERENCES: Mineral Inventory 104P-47; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 540; Assessment Report 5945.

JENNIE (Fig. E-1, NTS 104, No. 50)

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: FG 1 and 2 (2 units), UP (5 units), SUN (8 units), KAT (4 units), SNO (6 units).
OWNER: Agnes & Jennie Mining Company Ltd.
OPERATOR: NU-ENERGY DEVELOPMENT CORP. LTD., 203, 1209 East Fourth Street, North Vancouver.
METAL: Copper.
DESCRIPTION: Pyrite, with values in gold, occurs in quartz veins in Sylvester volcanic rocks.
WORK DONE: Surface diamond drilling, 19 EX holes totalling 398 metres on FG 1 and 2.
REFERENCES: Mineral Inventory 104P-29; *Minister of Mines, B.C.*, Ann. Rept., 1939, p. 64; Assessment Reports 5628, 5887, 6125.

ROCKY RIDGE (VAN) (Fig. E-1, NTS 104, No. 43)

LOCATION: Lat. 59° 15' Long. 129° 39' (104P/4E, 5E)
LIARD M.D. Ten kilometres east of Cassiar, adjoining McDame Lake on the northwest.
CLAIMS: VAN 84 (9 units).
OWNER: NEWCOAST SILVER MINES LTD., 1155, 555 Burrard Street, Vancouver.
METALS: Gold, silver, copper, zinc.
DESCRIPTION: The Sylvester Group is of Late Devonian and Early Mississippian age and consists of a complex of sedimentary and volcanic rocks such as chert, slate, greywacke, limestone, argillite, quartzite, and andesite. This geological unit contains various mineral occurrences of which the most numerous are auriferous quartz veins and quartz veins with tetrahedrite.

1976

(104P/4W)

WORK DONE: Linecutting, 8 kilometres; magnetometer survey, 8 line-kilometres; electromagnetic survey, 8 line-kilometres; geochemical survey, 159 soil samples; and horizontal loop survey over five lines, covering Van (9 units).

REFERENCES: Mineral Inventory 104P-16; Assessment Report 6020.

CASSIAR MOLY (Fig. E-1, NTS 104, No. 38)

LOCATION: Lat. $59^{\circ} 12'$ Long. $129^{\circ} 51'$ (104P/4W)

LIARD M.D. Nine kilometres due south of the townsite of Cassiar.

CLAIMS: VINES 1 (units 1 to 4, 13 to 20, 24 to 31).

OWNER: NORANDA EXPLORATION COMPANY, LIMITED, Box 2380, Vancouver V6B 3T5.

METALS: Molybdenum, copper.

DESCRIPTION: A quartz latite stock intruding quartz monzonite contains blebs and rosettes of molybdenite and chalcopyrite.

WORK DONE: Prospecting (5 days), covering Vines 1 (all units).

REFERENCES: Mineral Inventory 104P-35; B.C. Dept. of Mines & Pet. Res., GEM, 1969, p. 41 (Eloise, X, Rusty).

GRAHAM (Fig. E-1, NTS 104, No. 36)

LOCATION: Lat. $59^{\circ} 16'$ Long. $129^{\circ} 50'$ (104P/5W)

LIARD M.D. Two kilometres southeast of Cassiar, at 1 600 metres elevation.

CLAIMS: MAGNO 1 to 4, JEAN 1 and 2.

OWNER: BALFOUR MINING LTD., 1155, 555 Burrard Street, Vancouver.

METALS: Silver, lead, zinc, iron.

DESCRIPTION: Several magnetite-silver-lead-zinc fissure veins are known on the property. The most prominent one, crossing the full width of the Magno claims, extends from the Kechika contact toward the contact with the Lower Atan quartzites. It is known to be almost 1 200 metres long striking east-west. Along the structure magnetite-bearing mineralization is irregularly distributed, forming shoots of up to 60 to 90 metres long and up to approximately 8 metres wide.

WORK DONE: Surface diamond drilling, 18 holes totalling 1 390.2 metres; electromagnetic survey (re-established Magno grid); and metallurgical testing, covering all claims.

REFERENCES: Mineral Inventory 104P-6; B.C. Dept. of Mines & Pet. Res., GEM, 1975, p. E 194; Assessment Report 6084.

SNOW CREEK (Fig. E-1, NTS 104, No. 37)

LOCATION: Lat. $59^{\circ} 16'$ Long. $129^{\circ} 38'$ (104P/5E)

LIARD M.D. North and east of the main bend in Snowy Creek, 9 kilometres east of Cassiar.

1976 (104P/5E, 6W)

CLAIMS: YUP 1 to 6, KNOLL 1 to 4, ENDUR 1 to 3, CHA 1 and 2.

OWNER: DAVID RATTRAY, Box 100, Cassair.

METAL: Gold.

DESCRIPTION: A quartz vein, containing free gold, occurs in fractures in Sylvester volcanic rocks.

WORK DONE: 1975 — prospecting and trenching on Yup and Cha.

REFERENCES: Mineral Inventory 104P-14; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1970, p. 35; Assessment Report 5783.

JOEM, RAIN (Fig. E-1, NTS 104, No. 34)

LOCATION: Lat. 59° 21' Long. 129° 30.5' (104P/5E, 6W)
LIARD M.D. On the western slope of Mount Haskin.

CLAIMS: RAIN, MOM, TRI, MACK, BOB, ANDY, DAVE, totalling approximately 40.

OWNER: DELLA MINES LTD., Box 11107, Royal Centre, 1400, 1055 West Georgia Street, Vancouver V6E 3P3.

METALS: Silver, copper, lead, zinc.

DESCRIPTION: The local geology is an assemblage of sedimentary rocks consisting of limestone, thinly bedded cherts, and argillites, intruded by a sill-like body of granite porphyry, the chilled edge of which is aplitic. Sphalerite, galena, and chalcopyrite occur both in argillites and skarn zones.

WORK DONE: Surface diamond drilling, four BQ holes totalling 119 metres on Rain 2; road repair (two culverts installed and washout filled), on Mom 14 and Rain 2.

REFERENCES: Mineral Inventory 104P-38, 59; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, pp. 561, 562; 1974, pp. 354, 355; Assessment Report 6033.

PIP (Fig. E-1, NTS 104, No. 39)

LOCATION: Lat. 59° 44' Long. 129° 42' (104P/12E)
LIARD M.D. Northwest of Blue River, 2 kilometres southwest of the large peninsula in Captain Lake.

CLAIMS: PIP 1 (18 units), PIP 2 (18 units), PIP 3 (18 units).

OWNER: CRAIGMONT MINES LIMITED, 270, 180 Seymour Street, Kamloops V2C 2E2.

METAL: Copper.

DESCRIPTION: Chalcopyrite occurs in a heavily silicified zone which appears to be conformable with the enclosing limestone and shale.

WORK DONE: Linecutting, 15 kilometres; surface geological mapping, 1:5000; magnetic survey, 15 kilometres; electromagnetic survey, 15 kilometres; geochemical survey, 385 samples, covering Pip 1 and 2.

REFERENCES: Mineral Inventory 104P-60; Assessment Report 6087.

TATSHENSHINI RIVER 114P

LUNAR (Fig. E-1, NTS 114, No. 44)

LOCATION: Lat. 59° 42' Long. 136° 38' (114P/10E)
ATLIN M.D. Fifteen kilometres south of Mile 70 on the Haines Road,
on Stonehouse Creek, between 1 050 and 1 350 metres elevation.

CLAIMS: LUNAR 1 to 5, 7, 10, 12, 14, MAG 1, 2, 5, 6.

OWNERS: Erwin Kreft and Mary Kreft.

OPERATOR: KREFT EXPLORATION, 13 Tutshi Road, Whitehorse, Yukon Territory.

METALS: Silver, lead, zinc, iron.

DESCRIPTION: Galena, sphalerite, magnetite, and pyrrhotite mineralization occurs at a granite contact with limestone and quartzite.

WORK DONE: Drilling, two holes (each approximately 20 metres), on Lunar 1.

REFERENCES: Mineral Inventory 114P-27; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 195.

HUM BIRD (Fig. E-1, NTS 114, No. 45)

LOCATION: Lat. 59° 43' Long. 136° 58' (114P/10W)
ATLIN M.D. Fourteen kilometres east of Tatshenshini River, on an eastern tributary of Shini Creek.

CLAIMS: HUM BIRD 1 to 40.

OWNER: YUKANDA MINES LIMITED, 404, 1550 Richmond Avenue, Victoria V8R 4P6.

METALS: Silver, copper, lead, zinc.

DESCRIPTION: The property is underlain by a sequence of sedimentary rocks, mainly limestone, shale, and sandstone interbedded with volcanic rocks. Strike is generally north-south and dips are to the west. Mineralization appears to be confined to the limestone horizon. Economic minerals are silver, both native and in tetrahedrite, galena, sphalerite, and minor chalcopyrite.

WORK DONE: Trenching, 45 by 22.5 by 3 metres on Hum Bird 4; road construction (rehabilitation of access road), 33.6 kilometres by 3 metres.

REFERENCES: Mineral Inventory 114P-18, 24, 25, 26; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 196.

STRUCTURAL MATERIALS AND INDUSTRIAL MINERALS EXPLORATION

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REVIEW OF EXPLORATION ON NON-METALLIC MINERAL DEPOSITS

Exploration activity related to non-metallic minerals in 1976 was maintained at a moderate level similar to 1975.

The major exploration projects were related to jade, magnesite, and phosphate.

Development of jade properties continued in the Marshall Creek area northwest of Lillooet, the Mount Odgen area north of Takla Lake, and the Provencher Lake area of northern British Columbia.

Baymag Mines continued their investigation of the ROK magnesite deposit near Mount Brussilof, northeast of Radium Hotsprings.

Cominco conducted some exploration diamond drilling for phosphate on their Grave Lake property in the Elk River valley.

REPORTS ON EXPLORATION OF NON-METALLIC COMMODITIES

NOTE: For reports on producing properties, see *Mining in British Columbia, 1976*.

AGATE

HUXLEY (Fig. E-1, NTS 92I, No. 79)

LOCATION: Lat. 50° 37' Long. 120° 03' (92I/9E)
KAMLOOPS M.D. Twenty-one kilometres east-southeast of
Kamloops, south of Buse Lake.

CLAIM: HUXLEY.

OWNER: WILLIAM HUXLEY, 525 Huxley Place, Kamloops V2B 5E6.

DESCRIPTION: Blue agate occurs in veins and nodular form in andesitic volcanic rocks
of Tertiary age.

WORK DONE: Trenching and digging in overburden, approximately 40 square metres
on Huxley.

REFERENCE: Mineral Inventory 92I/NE-131.

FLUORITE

REDBIRD (Fig. E-1, NTS 92I, No. 80)

LOCATION: Lat. 50° 23' Long. 120° 23' (92I/8W)
KAMLOOPS M.D. Two kilometres north of Stump Lake, on the
southwest edge of Kullagh Lake.

CLAIM: REDBIRD.

OWNER: WILLIAM HUXLEY, 525 Huxley Place, Kamloops V2B 5E6.

DESCRIPTION: Zoned fluorite and quartz veins varying in width from 2 to 12
centimetres occur along a south-dipping fault zone in andesites of the
Nicola Group.

WORK DONE: Trenching, 6 square metres on Redbird.

REFERENCE: Mineral Inventory 92I/SE-179.

JADE

BLUE (GREENBAY) (Fig. E-1, NTS 92, No. 67)

LOCATION: Lat. 50° 56' Long. 122° 31' (92J/15E)
LILLOOET M.D. On the northeast side of Marshall Creek, extending
northwest from Brett Creek.

CLAIMS: BLUE, GREENBAY, JOHN, JIM, GB, totalling 32 plus Mineral Lease
M-51 (BLUE 1 and 2).

1976

Jade

OWNER: Greenbay Exploration and Mining Co. Ltd.
OPERATOR: JAYS JADE ENTERPRISES LTD., Box 167, Hope VOX 1L0.
DESCRIPTION: The deposits consist of serpentinite intruded into argillites and cherty argillite with later acidic intrusions in the immediate area. The jade occurs in a vein-like zone within the serpentinite.
WORK DONE: Stripping, approximately 425 square metres (approximate depth, 21 metres) and percussion drilling, approximately 180 metres, on Mineral Lease M-51.
REFERENCES: Mineral Inventory 92J/NE-100; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 199, E 200.

MARSHALL CREEK (4-TON) (Fig. E-1, NTS 92, No. 68)

LOCATION: Lat. 50° 54' Long. 122° 30' (92J/15E, 16W)
LILLOOET M.D. On the northeast side of Marshall Creek, between Brett and Hog Creeks.
CLAIMS: Mineral Lease M-52 (4-TON and JIM 1 FR.) plus approximately 80 claims including LANG, GB, ROYAL, LUCKY LEE, MONARCH, JIM, and VIKING.
OWNERS: Comaplex Resources International Ltd. and International Jade Limited.
OPERATOR: COMAPLEX RESOURCES INTERNATIONAL LTD., 810, 715 Fifth Avenue SW., Calgary, Alberta T2P 0N2.
DESCRIPTION: The claims are underlain by a sequence of argillites and andesite flows or sills which are intruded conformably by peridotite and probably later intermediate to basic intrusions.
WORK DONE: 1975 – petrographic study of 20 thin sections; 1976 – reconnaissance geological mapping, covering Royal 1, 2, Lang 11-21, and Jim 30, 31, 33 Fraction, 38-40.
REFERENCES: Mineral Inventory 92J/NE-99; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 200; Assessment Reports 5846, 5847, 5865, 5960, 6057.

FAR NORTH JADE (Fig. E-1, NTS 93, No. 8)

LOCATION: Lat. 55° 52' Long. 125° 52' (93N/13W)
OMINECA M.D. Approximately 5 kilometres west of Mount Ogden.
CLAIMS: OGDEN 1 to 8, LF 1 to 6, LCF 1 to 4, RALF 1 to 8, RALF 5, 9, and 10 Fractions, VANCOUVER 1 to 7, plus Placer Mining Leases 1909 to 1911 and 1956 to 1958 on Squawkbird Creek.
OWNER: FAR NORTH JADE LTD., 200, 3540 West 41st Avenue, Vancouver.
DESCRIPTION: Jade is present as boulder-like masses near or at contacts of serpentine with tectonic melange inclusions of silicified sedimentary and altered volcanic rocks, limestones, and altered granodiorite sills and dykes. *In situ* and glacially rafted boulders occur and placer boulders are found in Squawkbird Creek.

1976

Jade

WORK DONE: Stripping, 120 square metres and packsack drilling, 152 holes totalling 137 metres, on Ogden 5 and 7.

REFERENCES: Mineral Inventory 93N-165; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, p. 547; Assessment Reports 4523, 6068.

JW (Fig. E-1, NTS 104, No. 48)

LOCATION: Lat. 58° 13' Long. 128° 44' (104I/2E)
LIARD M.D. Three kilometres south-southwest of Provencher Lake.

CLAIM: JW.

OWNER: NEPHRO-JADE CANADA LTD., 200, 3540 West 41st Avenue, Vancouver V6N 3E6.

DESCRIPTION: Greyish green talc-coated jade occurs in talus boulders.

WORK DONE: Drilling, 25 XRPS holes totalling 12.6 metres in jade boulders on JW.

REFERENCES: Mineral Inventory 104I-66; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 381; Assessment Reports 5100, 6008.

BARB (Fig. E-1, NTS 104, No. 47)

LOCATION: Lat. 58° 15.5' Long. 128° 34' (104I/7E)
LIARD M.D. Approximately 80 air kilometres southeast of Dease Lake, 6.5 kilometres east-southeast of Provencher Lake.

CLAIMS: BARB 1 and 2, plus Placer Mining Lease 1711.

OWNER: Robert Schumacher.

OPERATORS: ROBERT SCHUMACHER, 2335 Palmerston Avenue, West Vancouver and H. KOMISH, Watson Lake, Yukon Territory.

DESCRIPTION: Jade occurs both as alluvial boulders and as lode showings.

WORK DONE: 1975 — general prospecting covering Barb 1 and 2.

REFERENCES: Mineral Inventory 104I-73; Assessment Report 5784.

JADE (Fig. E-1, NTS 104, No. 46)

LOCATION: Lat. 58° 17' Long. 128° 40' (104I/7E)
LIARD M.D. At the north end of Provencher Lake.

CLAIMS: JADE 1 to 6.

OWNER: NEPHRO-JADE CANADA LTD., 200, 3540 West 41st Avenue, Vancouver V6N 3E6.

WORK DONE: Packsack drilling, 140 boulders, total length 126.6 metres, on Jade 1-6.

REFERENCES: Mineral Inventory 104I-65; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1974, p. 381; Assessment Reports 5815, 6182.

LIMESTONE

FOX (Fig. E-1, NTS 92, No. 65)

LOCATION: Lat. 50° 37' Long. 127° 56' (92L/12W)
 Six kilometres southeast of the village of Holberg, at the mouth of Glerup Creek, south side of Holberg Inlet.

CLAIMS: FOX 1 to 20, HOL 1 to 6, JAY 1 and 2, JOY 1 (4 units), JOY 2 (2 units).

OWNER: HOLBERG MINES LTD., 915, 470 Granville Street, Vancouver.

WORK DONE: Surface diamond drilling, eight XRP holes totalling 365.8 metres on Fox 11 and 13.

REFERENCES: Mineral Inventory 92L-267; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 200; Assessment Reports 4908, 5413, 5414, 5666, 6053.

MAGNESITE

ROK (MAG) (Fig. E-1, NTS 82, No. 133)

LOCATION: Lat. 50° 47' Long. 115° 39' (82J/13E)
 GOLDEN M.D. Thirty-five kilometres northeast of Radium Hot-springs, at the confluence of Assiniboine Creek and Mitchell River.

OWNER: BAYMAG MINES CO. LIMITED, 100, One Calgary Place, 330 Fifth Avenue SW., Calgary, Alberta T2P 0L4.

CLAIMS: ROK 15, 17, 19 to 22, MAG 1 to 27, 29, 35, 36, ART 1 to 4, 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.

DESCRIPTION: Macrocrystalline magnesite, with dolomite, pyrite, and minor aluminium and silicon oxides, occurs in the Cathedral Formation of Middle Cambrian age. The deposit strikes northwest, dips to the west at about 45 degrees, and has an average of 3 metres of overburden. Over 19 million metric tonnes grading in excess of 90 per cent MgO on a dead burn basis are drill proven. Possible reserves are considerably in excess of this.

WORK DONE: Road work, 2 kilometres on Vano 1-6, 17, 19, 23, 60-62, Bill 17, 25, 26, 33, 34, 37-39, 41, 67, 68, and Mag 1-3, 19, 20.

REFERENCES: Mineral Inventory 82J/NW-1; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 201.

OPAL

OPAL (Fig. E-1, NTS 93, No. 22)

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, Box 4445, Williams Lake.

WORK DONE: Backhoe digging.

REFERENCE: Mineral Inventory 93A-122.

PERLITE

UNCHA LAKE (Fig. E-1, NTS 93, No. 25)

LOCATION: Lat. 53° 52' Long. 125° 39' (93F/13E)
OMINECA M.D. Forty-two kilometres south of the community of
Burns Lake, on the north slope of Dayeezcha Mountain.

CLAIMS: KIM (6 units).

OWNER: C. S. POWNEY, Box 189, Fort Fraser.

DESCRIPTION: Perlite seams, 2 to 20 metres wide, are interbedded with rhyolite.

WORK DONE: Trail construction, 8 kilometres; trenching, 2 by 2 by 6.1 metres;
cutting, 2 by 1.5 by 3 metres.

REFERENCES: Mineral Inventory 93F-26; *Geol. Surv., Canada*, Mem. 324, p. 54;
Minister of Mines, B.C., Ann. Rept., 1955, p. 97.

PHOSPHATE

GRAVE LAKE, ELK (Fig. E-1, NTS 82, No. 131)

LOCATION: Lat. 49° 53' Long. 114° 51' (82G/15W)
FORT STEELE M.D. In the Elk River valley, between Grave Lake and
the Elk River, extending north across Line Creek and the Fording
River.

CLAIMS: ELK 1 to 48.

OWNER: COMINCO LTD., 2200, 200 Granville Square, Vancouver.

DESCRIPTION: Phosphate occurs in black calcareous shales of the Fernie Formation.

WORK DONE: 1975 – surface diamond drilling, five NQ holes totalling 471.6 metres
(some assays included), on Elk 7, 14, 15, 16, 26, 28, 41.

REFERENCES: Mineral Inventory 82G/N-71; *B.C. Dept. of Mines & Pet. Res.*, GEM,
1975, p. E 202; Assessment Reports 5545, 5866, 5867.

RHODONITE

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

LOCATION: Lat. 49° 16' Long. 119° 42' (82E/5E)
OSOYOOS M.D. Eleven and one-half kilometres northeast of Keremeos, between the headwaters of Orofino Creek and the east side of Park Rill, on the north slope of Orofino Mountain.

CLAIMS: MO (2 units).

OWNER: GRANT CROOKER, Box 234, Keremeos V0X 1N0.

DESCRIPTION: Rhodonite occurs with quartz as an irregular lens in a schistose quartzite. The lens is approximately 75 metres long and up to 1 metre in width.

WORK DONE: Trenching, 40 square metres.

REFERENCE: Mineral Inventory 82E/SW-137.

SILICA

H&W (Fig. E-1, NTS 92, No. 66)

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.

DESCRIPTION: A siliceous alteration zone occurs in uppermost Bonanza flow rocks. A white silica formation was traced for approximately 300 metres from east to west and is open at both ends. In the north-south direction, the formation outcrops over a distance of about 150 metres, without geological limits. Application of conservative estimates to the obvious exposed dimensions suggests that in excess of 9 million tonnes of silica is present on the H&W 1 claim. Five samples were analysed. A bog iron deposit occurs on H&W 1. This is probably the Quatsino Iron Ore occurrence (Mineral Inventory 92L-87) described in the Annual Reports of the Minister of Mines for the years 1903, 1907, and 1916.

WORK DONE: Geological survey plus sampling (five analyses).

REFERENCES: Mineral Inventory 92L-269, 87; Assessment Report 6142.

SNOWDRIFT (Fig. E-1, NTS 82, No. 135)

LOCATION: Lat. 49° 35' Long. 117° 30' (82F/12E)
SLOCAN M.D. Five kilometres east of Winlaw, on Winlaw Creek.

CLAIMS: SNOWDRIFT 1 and 2.

OWNER: GEORGE A. SWANSON, Box 2, Winlaw.

1976

Silica-Talc

DESCRIPTION: Approximately 100,000 tonnes of high-grade silica rock showing assays up to 99.6 per cent pure is reported.

WORK DONE: Road repair, 8 kilometres.

REFERENCE: Mineral Inventory 82F/NW-218.

TALC

J&J (Fig. E-1, NTS 92H, No. 81)

LOCATION: Lat. 49° 59' Long. 121° 33' (92H/13E)
NEW WESTMINSTER M.D. Three and one-half kilometres northwest of the Fraser River, on the southwest side of Nahatlach River.

CLAIMS: J&J 1 to 10.

OWNER: PACIFIC TALC LTD., c/o John Massey, 13023 - 80th Avenue, Surrey.

WORK DONE: Percussion drilling (to remove bulk sample), 30 holes totalling 72 metres on J&J 1.

REFERENCES: Mineral Inventory 92H/NW-47; B.C. Dept. of Mines & Pet. Res., GEM, 1975, p. E 204.

COAL EXPLORATION

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GENERAL REVIEW OF COAL EXPLORATION

By A. H. Matheson

As a result of the renewed interest in coal and despite the strikes affecting activities in Southeastern British Columbia, a record of \$15 million was expended on coal exploration in the Province. A further limiting factor was the continuation of the moratorium on the issuance of new coal licences since 1972, other than the seven issued to Quintette Coal Ltd. to consolidate their holdings.

Thus coal exploration was confined to the 1 090 coal licences covering 248 992 hectares. Five licences held by Master Explorations Ltd. covering 516 hectares expired during the year.

Nine properties were worked on in the Peace River Coalfield during 1976. There are four properties in an advanced stage of exploration: Utah Mines Ltd. (Carbon Creek), Teck Corporation Ltd. (Bullmoose – Chamberlain), Denison Coal Limited (Quintette Project), and Brameda Resources Ltd. (Sukunka – Coalition). In the southeastern part of the Province, work was carried out on eight properties during the year. Four are in a preliminary or advanced feasibility stage; they are: Sage Creek Coal Limited, Elco Mining Ltd., Mitsui and Crows Nest Industries Limited (Line Creek), and Kaiser Resources Ltd. (Hosmer Wheeler). Large reserves of thermal coal have been delineated by British Columbia Hydro and Power Authority in the Hat Creek Coalfield. Some minor exploration was carried out by Bethlehem Copper Corporation on their Princeton property. No exploration was done by Weldwood of Canada Limited in the Comox Coalfield.

The distribution of the major coal-bearing formations in British Columbia is shown on Figure E-11.

REPORTS ON COAL EXPLORATION

CROWSNEST COALFIELD (Fig. E-12)

SAGE CREEK COAL LIMITED (Fig. E-1, NTS 82, No. 146)

LOCATION: Lat. 49° 06' Long. 114° 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.

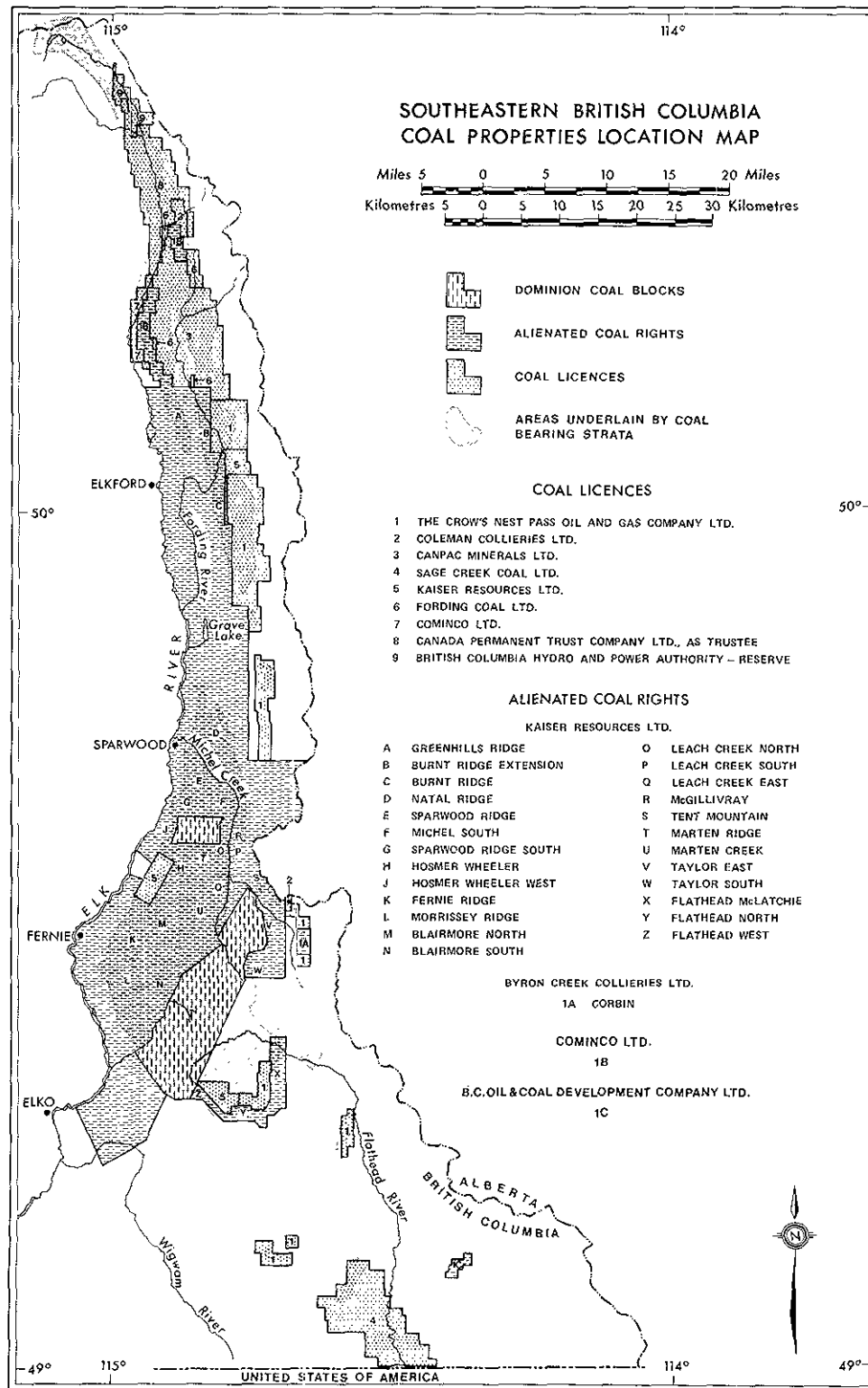


Figure E-12. Southeastern British Columbia, coal properties location map.

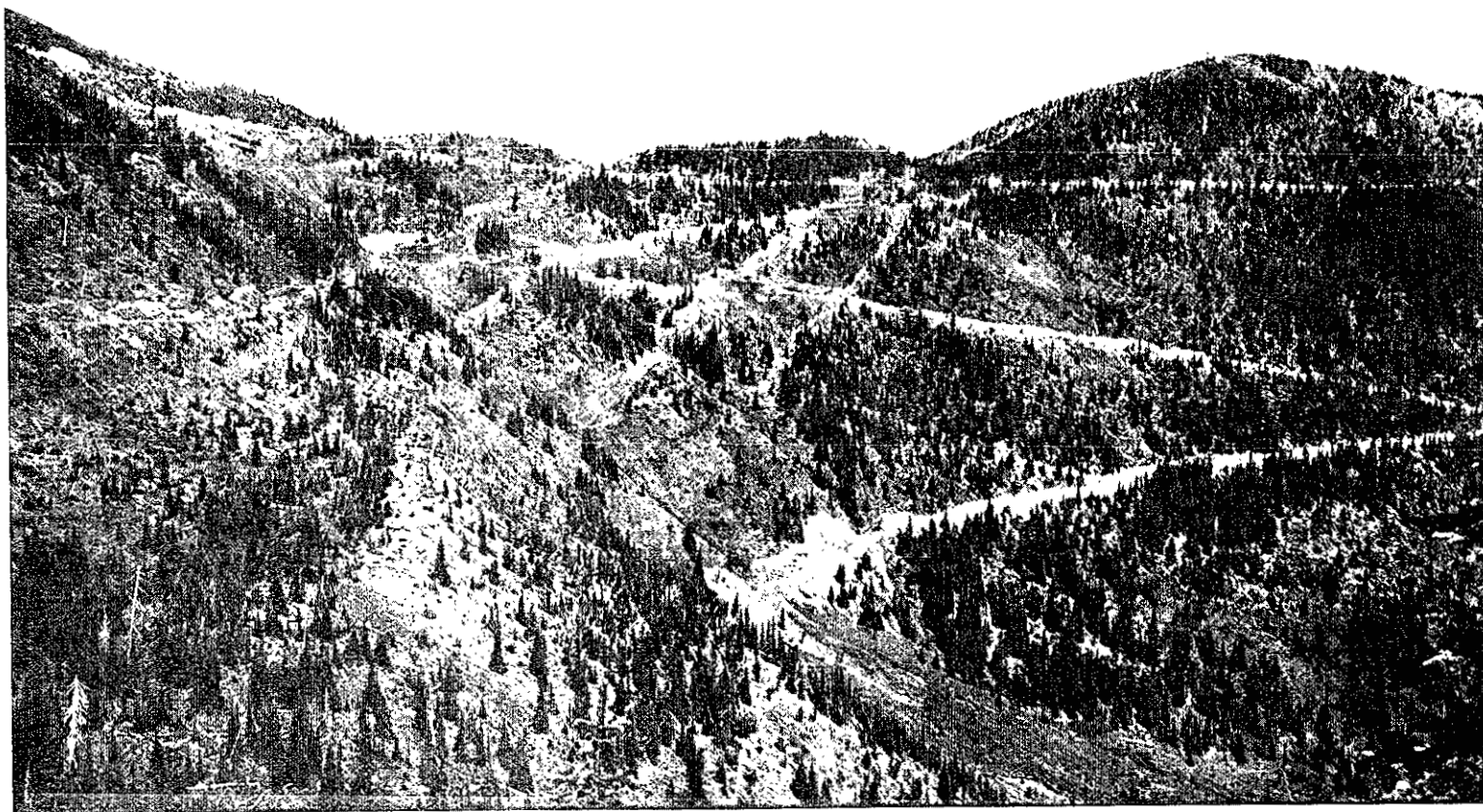


Plate I. East side of Marten Ridge, Crowsnest Coalfield, showing exploration roads and adits. This is an area of high volatile bituminous coals.

OWNER: Sage Creek Coal Limited.
 OPERATOR: RIO ALGOM LIMITED, 120 Adelaide Street West, Toronto, Ontario M5H 1W5.
 DESCRIPTION: In the Flathead Valley the coal measures of the Kootenay Formation occur on the east flank of a northwest-trending anticline. The deposit is split in two, North Hill and South Hill; the former is less complicated by normal faulting than the latter.
 WORK DONE: Six diamond-drill holes with the sum length of 907 metres were drilled and logged by gamma ray-neutron (903 metres), sidewall density log (899 metres), caliper (794 metres), and focused beam (646.5 metres) instruments. Lithologic logs were recorded. Three adits were re-entered and extended and a total of 66 tonnes were extracted for testing.
 REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, p. 195; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 210.

CROWS NEST INDUSTRIES LIMITED (LODGEPOLE — McLATCHIE)
 (Fig. E-1, NTS 82, No. 147)

LOCATION: Lat. 49° 20' Long. 114° 42' (82G/7)
 South of Flathead-McLatchie.
 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: Twenty-five trenches with the sum length of 708 metres.

BYRON CREEK COLLIERIES LIMITED (COAL MOUNTAIN)
 (Fig. E-1, NTS 82, No. 148)

LOCATION: Lat. 49° 20' Long. 114° 40' (82G/7, 10)
 South of Corbin.
 LICENCES: C.L. Nos. 6997 and 6999.
 OWNER: BYRON CREEK COLLIERIES LIMITED, Box 270, Blairmore, Alberta.
 DESCRIPTION: The coal seams of the Kootenay Formation occur here in complex multiple synclines controlled by folded reverse faults and imbricate slices. There are at least two seams of mineable thickness.
 WORK DONE: Fifteen diamond-drill holes, with total depths of 1 608 metres, were drilled and logged by neutron, gamma ray, and gamma density (sidewall) implements.
 REFERENCE: *B.C. Dept. of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, p. 197.

KAISER RESOURCES LTD. (NATAL RIDGE) (Fig. E-1, NTS 82, No. 149)

LOCATION: Lat. 49° 43' Long. 114° 48' (82G/10W, 15W)
Five kilometres northeast of Sparwood.

LICENCES: Freehold.

OWNER: KAISER RESOURCES LTD., Box 2000, Sparwood.

DESCRIPTION: The westerly dipping east limb of Sparwood syncline is locally complicated by thrust faulting. The coal measures attain a maximum thickness of 600 metres.

WORK DONE: Fourteen diamond-drill holes, totalling 6 553 metres, were logged by gamma ray-neutron and density devices. Lithologic logs were recorded. An old adit (No. 17) was extended for 8 metres. Detailed surface mapping of Natal Ridge was carried out at a scale of 1:2400.

REFERENCE: *B.C. Dept. of Mines & Pet. Res., Coal in B.C., A Technical Appraisal, 1976, p. 172.*

COLEMAN COLLIERIES LIMITED (TENT MOUNTAIN)*(Fig. E-1, NTS 82, No. 150)*

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 (Crows Nest Industries Limited – C.L. No. 412; Kaiser Resources Ltd. – part of C.L. No. 4589).

OWNER: COLEMAN COLLIERIES LIMITED, Box 640, Coleman, Alberta T0K 0M0.

DESCRIPTION: Thrust faulting makes correlation of the coal seams in the Kootenay Formation difficult. There appear to be five significant seams.

WORK DONE: Twelve diamond-drill holes with a total length of 3 598 metres were drilled, the cores were logged and the holes were logged by gamma ray-neutron and sidewall density instruments. Two test adits were driven with lengths of 56.7 and 74.7 metres into seams Nos. 2 and 4 respectively. Some geological mapping was done from the south end of Tent Mountain to Corbin Road. All cores were analysed for proximate analysis with approximately 7 tonnes of bulk samples taken from each adit.

REFERENCES: *B.C. Dept. of Mines & Pet. Res., Coal in B.C., A Technical Appraisal, 1976, p. 180; B.C. Dept. of Mines & Pet. Res., GEM, 1975, p. E 213.*

KAISER RESOURCES LTD. (HOSMER WHEELER) (Fig. E-1, NTS 82, No. 151)

LOCATION: Lat. 49° 36' Long. 114° 54' (82G/10W)
The property is in the west central part of the Fernie Basin some 17.6 kilometres southeast of Fernie.

LICENCES: Freehold.

OWNER: KAISER RESOURCES LTD., Box 2000, Sparwood.

- DESCRIPTION:** The regional structure is dominated by a broad syncline with a southwesterly plunge. The eastward-dipping homoclinal sequence of coal measures exposed on Fernie Ridge and Hosmer Ridge swing north across the centre of the property and dip westerly on Wheeler Ridge.
- WORK DONE:** Ten diamond-drill holes with total depth of 1 193 metres and 20 rotary holes amounting to 305 metres were drilled. Core lithologic logs, chip logs, and density logs were taken. A test adit with a total length of 33.5 metres was driven. Detailed geological surface mapping at a scale of 1:24 000 was carried out.
- REFERENCES:** *B.C. Dept. of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, p. 177; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 212, E 213.

FORDING COAL LIMITED (Fig. E-1, NTS 82, No. 152)

- 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 364, 419, 420, 507 to 511, 536 to 538, 554 to 560 (CanPac Minerals Limited); C.L. Nos. 801 to 804, 943, 944, 964 (Fording Coal Limited).
- OWNERS:** CanPac Minerals Limited and Cominco Ltd.
- OPERATOR:** FORDING OPERATIONS, COMINCO LTD., 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:** Twelve diamond-drill holes totalling 3 000 metres and 71 rotary holes totalling 8 400 metres were drilled and logged with gamma ray-neutron or gamma ray devices for a total of 11 400 metres. Nine trenches with a total length of 2 700 metres were dug. Field mapping at 1:1200 was carried out covering an area of 40 hectares.
- REFERENCES:** *B.C. Dept. of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, p. 191; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 214, E 215.

ELCO MINING LTD. (Fig. E-1, NTS 82, No. 153)

- 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, 482, 515, 771, 772, 951 to 957.
- OWNERS:** Elco Mining Ltd., Steel Company of Canada Limited, Home Oil Company Limited, and Scurry-Rainbow Oil Limited.
- OPERATOR:** ELCO MINING LTD., 2800 Scotia Centre, 700 Second Street SW., Calgary, Alberta T2P 2W2.

DESCRIPTION: The coal-bearing Kootenay Formation and the locally overlying Blairmore conglomerate form a north-northwesterly trending asymmetrical syncline with its axial plane dipping to the west.

WORK DONE: Forty-two diamond-drill holes totalling 6 790 metres and three rotary holes totalling 310 metres were drilled and logged by deviation, gamma ray-neutron, sidewall density, focused beam, and caliper implements. Three trenches were dug approximately 500 metres in total. Approximately 100 tonnes of bulk samples were taken from two trenches. Aerial photography and triangulations for the preparation of metric topographic maps were done over approximately 8 000 hectares covering the area of the licences and parts of the southern access corridor.

REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, p. 189; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 215.

SIMILKAMEEN COALFIELD (Fig. E-11)

BETHLEHEM COPPER CORPORATION (PRINCETON PROJECT) (Fig. E-1, NTS 92H, No. 82)

LOCATION: Lat. 49° 24' Long. 120° 35' (92H/7E)
In the Similkameen River valley, approximately 2 to 10 kilometres south and southwest of Princeton.

LICENCES: C.L. Nos. 2019 to 2025, 2027 to 2042, 2222 to 2231.

OWNER: BETHLEHEM COPPER CORPORATION, 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

DESCRIPTION: The Tertiary coal-bearing formation occurs as a northeasterly trending elongated basin.

WORK DONE: One NQ diamond-drill hole was sunk with a total depth of 243.84 metres. The hole was logged by gamma ray-neutron and sidewall density log devices. Geological descriptive logging of the core was carried out.

REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 216, E 217; *B.C. Dept. of Mines & Pet. Res.*, Geological Fieldwork, 1975, pp. 99-103; McMechan, R. D., Princeton Basin, *B.C. Dept. of Mines & Pet. Res.*, Bull. 67, in press.

HAT CREEK COALFIELD (Fig. E-11)

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY (HAT CREEK PROJECT) (Fig. E-1, NTS 92I, No. 83)

LOCATION: Lat. 50° 45' Long. 121° 36' (92I/12, 13)
Twenty-four kilometres west-northwest of Ashcroft.

LICENCES: C.L. Nos. 12, 144, 2753 to 2762, 2991 to 3013, 3655.

1976

Coal

OWNER: BRITISH COLUMBIA HYDRO AND POWER AUTHORITY, 900 Burrard Street, Vancouver V6Z 1Y3; T. McCullough, geologist.

DESCRIPTION: A large deposit of low-ranking coal occurs in the Coldwater Formation in the Hat Creek Tertiary basin. In general the structure of the basin is simple. The central zone of the valley, underlain mainly by coal and sedimentary formations, has been down-dropped forming a graben. This is cut by easterly trending gravity faults of recent origin.

WORK DONE: Eighty-nine diamond-drill holes were completed with total depths of 20 422 metres, all of which were logged by gamma ray-density instruments and where possible, by caliper implements. All the core was logged. Fifteen auger holes were drilled with total depths of 265 metres, yielding 108 tonnes for sampling.

REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, p. 213; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 217, E 219.

PEACE RIVER COALFIELD (Fig. E-13)

DENISON COAL LIMITED (SAXON PROJECT) (Fig. E-1, NTS 93, No. 62)

LOCATION: Lat. 54° 20' Long. 120° 10' (931/8)
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.

OPERATOR: DENISON COAL LIMITED, 1500, 444 Fifth Avenue SW., Calgary, Alberta T2P 2T8.

DESCRIPTION: The area is underlain by a large and complex syncline trending northwest and plunging both from the southern and northern ends toward the centre. Four potentially economic coal seams occur in the Gates Member of the Commotion Formation.

WORK DONE: Twenty diamond-drill holes, totalling 4 421 metres, were drilled and logged by neutron, gamma ray, resistance, and density devices. Sixty trenches, totalling 180 metres in length, were dug. Four test adits were excavated. Detailed mapping was carried out over 13 592 hectares.

REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 639; 1975, p. E 219.

DENISON COAL LIMITED (BELCOURT PROJECT) (Fig. E-1, NTS 93, No. 63)

LOCATION: Lat. 54° 30' Long. 120° 15' (931/8, 9)
Rocky Mountain Foothills, Ptarmigan Mountain northwest to Little Prairie Creek.

LICENCES: C.L. Nos. 2822 to 2850.

OWNER: Belcourt Coal Limited.

1976

Coal

OPERATOR: DENISON COAL LIMITED, 1500, 444 Fifth Avenue SW., Calgary, Alberta T2P 2T8; A. A. Johnson, Chief Geologist; G. Jordan, Project Geologist.

DESCRIPTION: The structure varies greatly from the northwest to the southeast. A complete sequence occurs from the Minnes Group (Nikanassin Formation) to a portion of the Shaftsbury Formation, folded (to varying degrees of deformation) and faulted.

WORK DONE: Two diamond-drill holes, totalling 112 metres, were drilled and logged lithologically. Detailed geological mapping was carried out over 3 000 hectares.

REFERENCE: B.C. Dept. of Mines & Pet. Res., GEM, 1975, p. E 220.

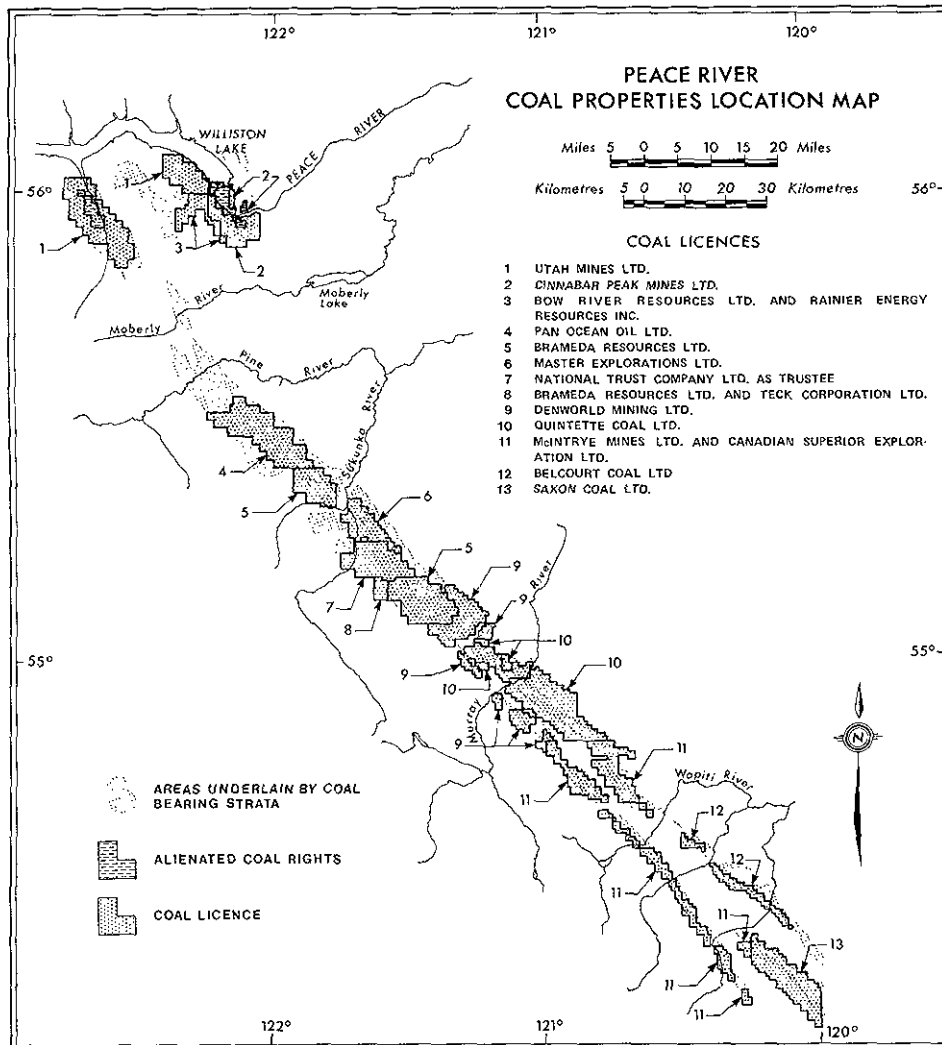


Figure E-13. Peace River, coal properties location map.

CANADIAN SUPERIOR OIL LTD. (BELCOURT-MONKMAN)

(Fig. E-1, NTS 93, No. 64)

- LOCATION:** Lat. 54° 45' Long. 120° 45' (93I/8, 10, 15)
South and east of Kinuseo Creek to Belcourt River, 140 kilometres due south of Dawson Creek.
- LICENCES:** C.L. Nos. 3131 to 3135, 3138, 3139, 3141 to 3149, 3151 to 3155, 3157 to 3164, 3166 to 3168, 3170 to 3174.
- OWNERS:** Canadian Superior Exploration Limited and McIntyre Mines Limited.
- OPERATOR:** CANADIAN SUPERIOR OIL LTD., Three Calgary Place, 355 Fourth Avenue SW., Calgary, Alberta.
- DESCRIPTION:** The areas are underlain by two narrow linear belts of the Lower Cretaceous Bullhead and Fort St. John Groups, along the limbs of a broad northwesterly trending anticlinal structure.
- WORK DONE:** Twelve diamond-drill holes, totalling 3 344 metres, were completed and logged by gamma ray-neutron, density caliper, and focused electric tools. Three trenches were dug totalling 52 metres and 26 484 hectares were mapped geologically.
- REFERENCES:** *B.C. Dept. of Mines & Pet. Res.*, GEM, 1973, pp. 583, 585; 1975, pp. E 220, E 221.

DENISON COAL LIMITED (QUINTETTE PROJECT)

(Fig. E-1, NTS 93, No. 65)

- LOCATION:** Lat. 55° 00' Long. 121° 00' (93I/14; 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 COAL LIMITED, 1500, 444 Fifth Avenue SW., Calgary, Alberta T2P 2T8.
- DESCRIPTION:** The Lower Cretaceous coal-bearing formations, the Gething and the Commotion, are bounded by large thrust faults to the northeast and southwest, between which the structure consists of broad synclines and sharp anticlines.
- WORK DONE:** Thirty-seven diamond-drill holes, totalling 4 102 metres, were drilled and logged (gamma ray-neutron, density, caliper, and temperature). Seven trenches were dug with a total length of 2 205 metres. Three adits were excavated totalling 222 metres. Approximately 4 902 hectares of regional geological mapping was carried out at a scale of 1:50 000 and 4 758 hectares of detailed geological mapping was done at a scale of 1:25 000.
- REFERENCE:** *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 221, E 222.

UTAH MINES LTD. (CARBON CREEK) (Fig. E-1, NTS 93, No. 66)

LOCATION: Lat. 55° 55' Long. 122° 40' (93O/15; 94B/2)
South of Williston Lake, along Carbon Creek.

LICENCES: C.L. Nos. 3445 to 3505.

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver
V6E 3S7; D. N. le Nobel, Geologist.

DESCRIPTION: The property is underlain by the Gething Formation in a broad relatively simple northwesterly trending syncline. The structure is more complex in the southern part.

WORK DONE: Seventeen diamond-drill holes, with a total depth of 3 288 metres, and 162 rotary drill holes, with the sum depth of 6 300 metres, were logged by gamma ray and the diamond-drill holes were logged lithologically and by bulk density sampling. Six test adits were driven with a total cumulative length of 515 metres and 14 625 hectares were mapped topographically.

REFERENCES: *B.C. Dept. of Mines & Pet. Res., Coal in B.C., A Technical Appraisal*, 1976, p. 198; *B.C. Dept. of Mines & Pet. Res., GEM*, 1975, pp. E 223, E 224.

CINNABAR PEAK MINES LTD. (PEACE RIVER CANYON)

(Fig. E-1, NTS 93, No. 67)

LOCATION: Lat. 55° 56' Long. 122° 08' (93O/16)
On Coalbed and Johnson Creeks, approximately 25 kilometres south-west of Hudson Hope.

LICENCES: C.L. Nos. 3407 to 3444.

OWNER: Cinnabar Peak Mines Ltd.

OPERATOR: DOUG RAGAN, Box 506, Dawson Creek V1G 4H4.

DESCRIPTION: Coal seams occur in the Gething Formation in both limbs and the southern end of a southerly plunging anticline.

WORK DONE: Nine diamond-drill holes, with a total length of 1 956 metres, were drilled of which seven holes were logged lithologically and six holes were logged with density, gamma ray, and resistivity implements.

REFERENCES: *B.C. Dept. of Mines & Pet. Res., Coal in B.C., A Technical Appraisal*, 1976, pp. 200, 201; *B.C. Dept. of Mines & Pet. Res., GEM*, 1972, p. 642; 1973, p. 588.

RAINIER ENERGY RESOURCES INC. (DOWLING CREEK)

(Fig. E-1, NTS 93, No. 68)

LOCATION: Lat. 55° 58' Long. 122° 15' (93O/16)
Approximately 5 kilometres southwest of Lake Williston Dam wall.

LICENCES: C.L. Nos. 3634 to 3654.

OWNERS: Rainier Energy Resources Inc. and Bow River Resources Ltd.

OPERATOR: BRI COAL MINING LIMITED, 1570, 777 Hornby Street, Vancouver.

1976

Coal

DESCRIPTION: Bullhead and Fort St. John Groups occur in the form of a broad, shallow, northerly trending syncline.

WORK DONE: Four drill holes, totalling 471 metres, were logged by gamma ray, neutron, and sidewall density devices.

REFERENCE: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1972, p. 642.

BRAMEDA – NICHIMEN (MOUNT SPIEKER) (Fig. E-1, NTS 93, No. 69)

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 3051.

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.

WORK DONE: Three diamond-drill holes, totalling 415 metres, were drilled and logged by gamma ray, neutron, and density instruments. Six trenches, totalling 800 metres in length, were excavated and logged. Approximately 2 040 hectares were geologically mapped.

REFERENCE: *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, p. E 224.

**TECK CORPORATION LTD. (BULLMOOSE – CHAMBERLAIN)
(Fig. E-1, NTS 93, No. 70)**

LOCATION: Lat. 55° 08' Long. 121° 31' (93P/3, 4)
Approximately 60 kilometres south of Chetwynd.

LICENCES: C.L. Nos. 3014 to 3026, 3028, 3029, 3033, 3038, 3043, 3048, 3554 to 3559.

OWNERS: Brameda Resources Ltd. and Teck Corporation Ltd.

OPERATOR: TECK CORPORATION LTD., 1199 West Hastings Street, Vancouver.

DESCRIPTION: A broad relatively shallow northwest-southeasterly trending syncline occupies the Bullmoose property. The western limb of the syncline forms the eastern limb of the anticline of the Chamberlain property. A complete section from the Gething Formation to the Boulder Creek Member of the Commotion Formation is exposed on the property.

WORK DONE: Forty-six holes, totalling 3 846 metres, were drilled and logged with gamma ray, neutron, and density devices. Three trenches were dug, totalling 60 metres in length. Two test adits were excavated, totalling 100 metres. Some geological mapping was carried out.

REFERENCES: *B.C. Dept. of Mines & Pet. Res.*, Coal in B.C., A Technical Appraisal, 1976, p. 198; *B.C. Dept. of Mines & Pet. Res.*, GEM, 1975, pp. E 224, E 225.

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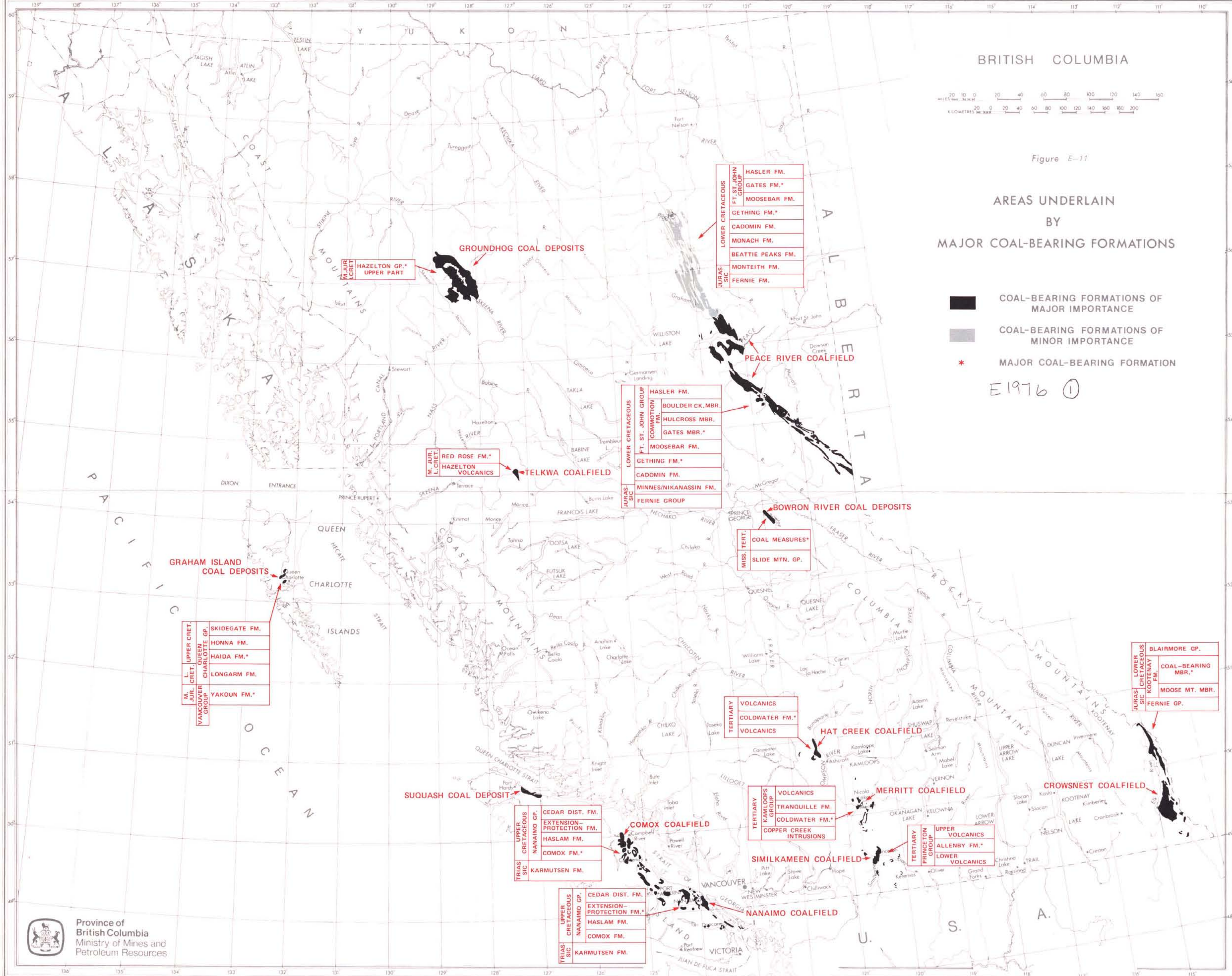
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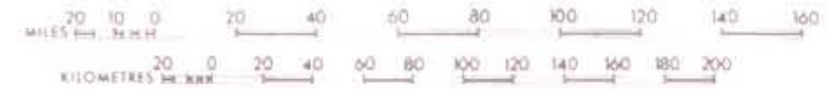


Figure E-11

AREAS UNDERLAIN
BY
MAJOR COAL-BEARING FORMATIONS

- COAL-BEARING FORMATIONS OF MAJOR IMPORTANCE
- COAL-BEARING FORMATIONS OF MINOR IMPORTANCE
- MAJOR COAL-BEARING FORMATION

E1976 ①

UPPER CRET.	SKIDEGATE FM.
L. CRET.	HONNA FM.
M. JUR. GROUP	HAIDA FM.*
	LONGARM FM.
	YAKOUN FM.*

HAZELTON GP.*
UPPER PART

RED ROSE FM.*
HAZELTON VOLCANICS

UPPER CRET.	CEDAR DIST. FM.
	EXTENSION-PROTECTION FM.
	HASLAM FM.
	COMOX FM.*
TRIASSIC	KARMUTSEN FM.

UPPER CRET.	CEDAR DIST. FM.
	EXTENSION-PROTECTION FM.*
	HASLAM FM.
	COMOX FM.
TRIASSIC	KARMUTSEN FM.

LOWER CRET.	HASLER FM.
	BOULDER CK. MBR.
	HULCROSS MBR.
	GATES MBR.*
	MOOSEBAR FM.
	GETHING FM.*
	CADOMIN FM.
JURASSIC	MINNES/NIKANASSIN FM.
	FERNIE GROUP

LOWER CRET.	HASLER FM.
	GATES FM.*
	MOOSEBAR FM.
	GETHING FM.*
	CADOMIN FM.
	MONACH FM.
	BEATTIE PEAKS FM.
	MONTEITH FM.
JURASSIC	FERNIE FM.

COAL MEASURES*
SLIDE MTN. GP.

TERTIARY	VOLCANICS
	COLDWATER FM.*
	VOLCANICS

TERTIARY	VOLCANICS
	TRANQUILLE FM.
	COLDWATER FM.*
	COPPER CREEK INTRUSIONS

UPPER CRET.	ALLENBY FM.*
LOWER CRET.	ALLENBY FM.*

LOWER CRET.	BLAIRMORE GP.
	COAL-BEARING MBR.*
	MOOSE MT. MBR.
JURASSIC	FERNIE GP.

