

1987
YUKON MINING
AND EXPLORATION OVERVIEW

MINERAL RESOURCES DIRECTORATE
NORTHERN AFFAIRS PROGRAM, YUKON
DEPARTMENT OF INDIAN AFFAIRS
AND NORTHERN DEVELOPMENT

November 1987

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LODE MINING AND DEVELOPMENT

With higher metal prices, Yukon's three mines enjoyed a profitable year (see Table). Curragh Resources Inc. mined zinc and lead from the Faro open pit, United Keno Hill Mines Ltd. mined high grade silver and lead veins underground, and Mount Skukum Gold Mining Corp. mined gold veins underground. Dawson Eldorado Mines Ltd. high graded a few tonnes of ore from the PLATA-INCA property. Underground development and camp construction at Canamax Resources Inc. and Pacific Trans-Ocean Resources Ltd.'s KETZA RIVER gold property is swiftly progressing, and production is expected by June, 1988.

FARO Zinc-Lead (-Silver) Mine

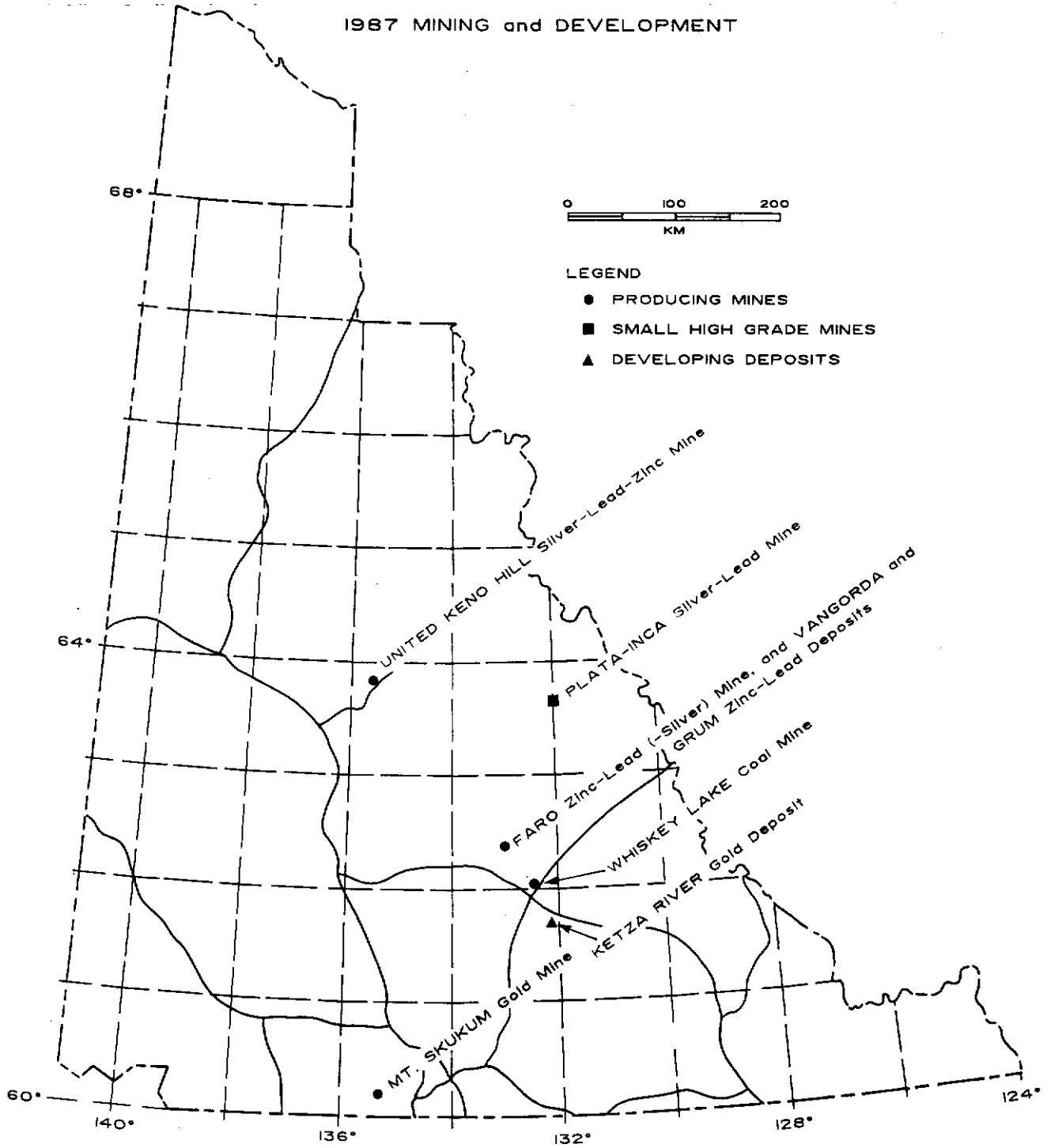
The mine which reopened in January, 1986 after a three year closure employed almost five hundred people in 1987 (not including contractors). Curragh Resources Inc. estimates production for 1987 is over 4.5 million tonnes with over 177 million grams silver, 149 million kilograms lead and 226 million kilograms zinc. Curragh Resources is mining the world class FARO deposit at 12 300 tonnes per day, up 50% from production levels in 1981. Production costs are approximately \$65.60 per tonne of concentrate, about half of 1981 costs. Concentrate production is approximately 500 tonnes lead and 1100 tonnes zinc per day with grades at 62% lead and 50% zinc.

Curragh Resources Inc. gained a new Australian partner on June 1. Giant Resources Ltd., the natural resources arm of Ariadne Australia Ltd. now own 46% interest in Curragh's properties (Curragh has the remaining 54%). This includes the Faro mine, Vangorda Plateau deposits, and the Cirque lead-zinc deposit in northern B.C. According to Mr. Clifford Frame, Curragh's Chief Executive Officer, this new relationship with the large Australian group has added significant financial breadth and stability to Curragh through the introduction of additional working capital and a significant reduction in its long-term debt load. This has enabled Curragh to pay its \$130 million debt to Cyprus Anvil Mines Ltd. and its \$15 million loan to the banks. Ninety million dollars is planned over the next three to four years for development of GRUM and VANGORDA orebodies on the Vangorda Plateau. These orebodies will replace the FARO orebody which will be exhausted within four years. The mine will introduce \$1.4 billion to Yukon's economy over the next eleven years. Current work on the VANGORDA and GRUM deposits includes extensive development and geotechnical drilling. GRUM, with reserves of about 40 million tonnes grading 9% combined lead-zinc, is slated for production in 1989. VANGORDA contains approximately 6.3 million tonnes of similar grade.

UNITED KENO HILL Silver-Lead-Zinc Mines

Ore reserves at the end of 1986 were 173 100 tonnes grading 953 g/t silver and 4.3% lead (U.K.H.M. Ltd. Annual Report). United Keno Hill Mines Ltd. expects to have milled over 77 thousand tonnes of ore containing approximately 70 million grams silver, 1.6 million kilograms lead and 380 thousand kilograms zinc by the end of 1987. Ore was extracted mainly from five underground operations, HUSKY, HUSKY SW, ELSA, NO CASH and KENO 700, and two open pits,

1987 MINING and DEVELOPMENT



1987 YUKON MINING AND DEVELOPMENT SUMMARY

MINE/ PROPERTY	OPERATOR	EMPLOYEES (No.)	PRODUCTION (tonnes)	MILLED				Coal (kg)	STRIPPING (tonnes)	SURFACE DRILLING (m)		UNDERGROUND DRILLING (m)		UNDERGROUND DEVELOPMENT (m)	
				Gold (g)	Silver (g)	Lead (kg)	Zinc (kg)			Diamond	Percussion	Diamond	Percussion	Horizontal	Vertical
FARO Mine	Curragh Resources Ltd.	490	4 579 985	0	177 024 673	149 285 465	226 265 698	0	26 079 772	1287					
VANGORDA Property			0	0	0	0	0	0	0	2042					
GRUM Property			0	0	0	0	0	0	0	2194 (est. to year end)					
UNITED KENO HILL Mines	United Keno Hill Mines Ltd.	200	77 456		70 858 832	1 604 744	385 294		9072		693 (to Nov. 1)	830 (to Nov. 1)	538 (est. to year end)	254	
MT. SKUKUM Mine	Mt. Skukum Gold Mining Corp.	90	101 965	1 613 546	1 112 405 (est.)	0	0	0	0	10 840	0	1783	0	2343	486
WHISKEY LAKE Mine	Nadahini Mining Corp.	8	20 000	0	0	0	0	20 000 000	100 000 m ³	730					
PLATA-INCA Property	Dawson Eldorado Gold Exploration Co. Ltd.	10	114		857 120					672					
KETZA RIVER Property	Canamax Resources Inc.	115	0	0	0	0	0	0	0	0	0	0	0	430.9	33.4

Production figures represent an estimate for the full year based on first six months of production

BLACK CAP and ONEK. Development work continued on the RUBY underground mine and exploration continued on the SILVER KING, BELLEKENO and LUCKY QUEEN adits. Development and exploration work included surface and underground percussion drilling, and vertical and horizontal tunnelling. Production began from the SILVER KING vein in October. The mine employs approximately 200 people and the union organized mine workers signed a three-year contract this year.

MT. SKUKUM Gold Mine

Mt. Skukum Gold Mining Corp. estimate year end production from the Cirque Zone to be over 101 thousand milled tonnes containing over 1.6 million grams gold and 1.1 million grams silver. A development adit was driven to the Brandy and Lake Zones which were explored by surface and underground diamond drilling. The Brandy and Lake Zones have combined reserves of 94 990 tonnes grading 16 g/t gold. The mine employs 90 people.

PLATA-INCA Silver-Lead Mine

Dawson Eldorado Mines Ltd. mined 114 tonnes of ore grading approximately 6900 g/t silver. About 74 tonnes came from the Plata #6 vein and 40 tonnes came from the Plata #4 vein. An average of 10 people were employed from July to October.

KETZA RIVER Gold Deposit

At the end of 1986, oxide reserves from the Peel and Ridge zone were 500 000 tonnes grading 18 g/t gold. Another 75 000 tonnes grading 13 g/t gold are possible on the Break Zone which is located 400 m east of the Peel and Ridge Zones. Drill intersections were as high as 7 m grading 34 g/t gold.

Canamax Resources Inc. and Pacific Trans-Ocean Resources Ltd. approved mine construction at the end of March. The water license was approved by the Yukon Territorial Water Board on May 12. Capital costs are estimated at \$21.5 million which includes \$18.5 million for construction and equipment purchase and \$3 million for start up costs. Mining will be done by undercut and fill. The mill rate will be 320 tonnes per day initially, expanding to 450 tonnes with minor modifications. Annual rate of production is estimated at 1.5 million grams or 112 thousand tonnes. Mine construction is scheduled for completion in early 1988 with production expected by June, 1988. A total of 115 people, including 15 Canamax employees and 100 contractors, are presently employed.

COAL

WHISKEY LAKE Coal Mine

Nadahini Mining Corp. at Ross River produced an estimated 20 000 tonnes of bituminous coal to feed the concentrate drier at the Faro mill. Over 730 m of reverse circulation drilling was performed in September in order to prove reserves for next season.

PLACER MINING

The placer mining industry was healthy and very active during 1987. According to royalty records, placer gold production in 1987 to November 20 was 4 099 876 g (131,814 crude ounces), the highest recorded production since 1917 (G. Gilbert, pers. comm.). Production figures are based on a 37.5 cents per crude ounce royalty declared on all gold exported from the Territory. Production figures are thus minimum values as not all Yukon placer gold is exported. Staking also increased with 1817 new claims and 340 new leases (from 1 to 5 miles long) staked as of October 31, 1987. It is of interest to note that total staked placer ground (including leases to prospect) is roughly equivalent to 25 186 claims. This compares to an approximate total of 18 000 placer claims which were recorded during the hectic activity of the 1898 gold rush (B. Baxter, pers. comm.).

All of the traditional placer mining areas were producing during 1987 (see map) with most production coming from the Klondike, Indian River and Sixtymile River areas. The number of producing placer mines is estimated to be 200. The following list reviews aspects of some of the larger active mining operations.

Granville Joint Venture operated by Teck Corporation began production on Gold Run Creek in the Klondike area. They recovered 208 200 g (6,695 crude ounces) gold, stripped 317 540 m³ (415,090 cubic yards) of waste gravel, and sluiced 101 700 m³ (132,900 cubic yards) of pay gravel (G. Klein, pers. comm.).

White Channel Underground Mining Ltd. mined 65 000 m³ (85,000 cubic yards) of bank pay gravel from their underground operation at Jackson Cut (Lovett Hill) in the Klondike area. They mined underground from November, 1986 to February, 1987 and employed a maximum of 16 people (J. Simcox, pers. comm.).

Miben Mining on the south side of Dago Hill in the Klondike area processed a total of 126 000 m³ (165,000 cubic yards) of loose pay gravel. They mined the lower 5 to 6 m of gravel above bedrock and approximately 0.5 m into bedrock (M. Stutter, pers. comm.).

The Indian River area downstream from the mouth of Quartz Creek had a level of activity similar to 1986. It continues to be an important producing drainage basin in the Klondike area.

Queenstake Resources Ltd. operated the dredge on Clear Creek, however due to low gold grades, the dredge program has ended and demobilization started this fall. The reclamation program is expected to be completed in 1988.

At Black Hills Creek, a trommel-sluice box configuration was used for the first time with a feed volume of 92 m³ (120 cubic yards) per hour. Production is expected to increase in 1988 as higher grade reserves will be mined. A bulk sampling program will be done downstream on lower grade reserves as part of the overall mining strategy for this property.

At Maisy May Creek, the grade continued to improve. A trommel-sluice box configuration with a feed capacity of 115 m³ (150 cubic yards) per hour will likely be used in 1988.

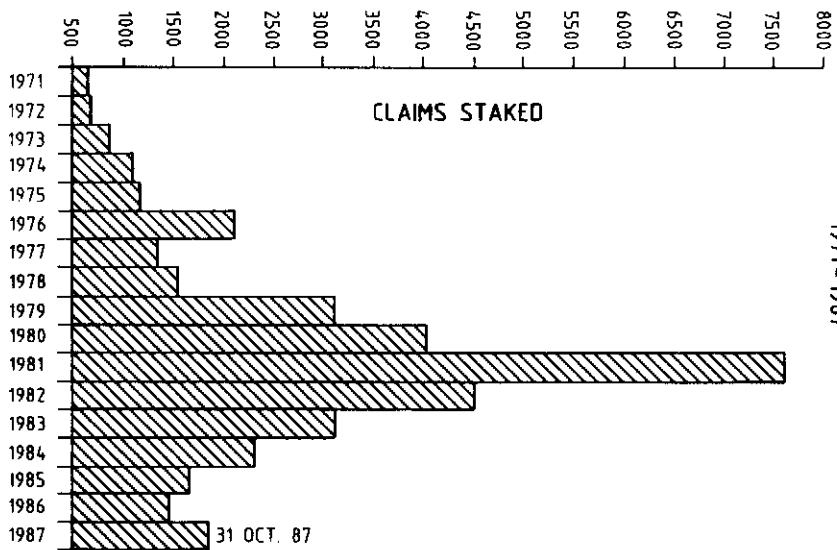
The following table is a summary of production statistics for the 1987 mining season (G. Gutrath, pers. comm.):

Creek	Volume (cu. yd.)	Grade (fine oz./ cu.yd.)	Recovered (fine ounces)	Approx. Cost (per cu. yd.)	Stripping Ratio
Clear	191,415	0.004	673	\$2.30	_____
Black Hills	254,850	0.007	1770	\$2.80	2.5:1
Maisy May	170,016	0.014	2335	\$4.70	3.5:1

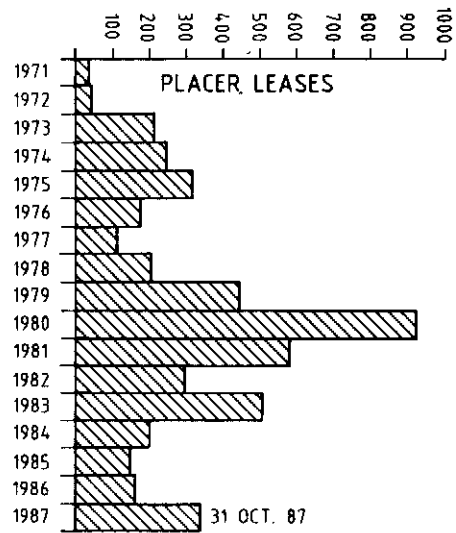
Ross Mining Services on lower Dominion Creek moved an estimated 570 000 m³ (750,000 cubic yards) of both waste and pay gravel using two caterpillar 769-35 ton rock trucks and employed up to maximum of nine people (N. Ross, pers. comm.).

Eldorado Placers on the Sixtymile River sluiced 240 000 m³ (310 000 cubic yards) and stripped up to 210 000 m³ (280,000 cubic yards) of gravel. They mined a 2.0 m thick pay zone in the gravel and also up to 10 m of bedrock (G. Hakonson, pers. comm.).

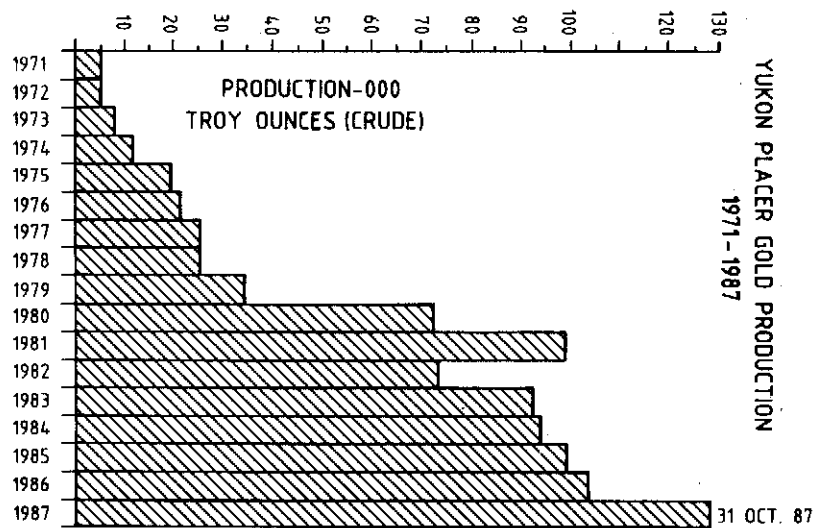
Klondike Underground Mining at Miller Creek in the Sixtymile area spent most of the 1986/87 winter season driving a new adit. They mined approximately 5000 m³ (6,500 cubic yards) of both waste and pay gravel and had six employees during the winter months and four employees during the summer months (J. Jansen, pers. comm.).



PLACER CLAIMS STAKED
1971-1987



PLACER LEASES STAKED
1971-1987



EXPLORATION ACTIVITY

In 1987, the combined attraction of flow through share funding and higher metal prices resulted in a record \$40 to \$45 million being spent in Yukon on mineral exploration (see Table). Gold, silver, platinum, and zinc were the targets. Almost all work was advanced exploration of known occurrences, with little grass roots exploration. Significant new reserves have been outlined on the SKUKUM CREEK (MT. REID) gold-silver veins in the Wheaton District, the LOGAN zinc deposit near Rancheria, the PLATA #4 gold-silver vein north of Ross River, the WELLGREEN platinum-copper-nickel deposit in the Kluane Ranges, the BREAK gold zone at Ketzia River, and in the BELLKENO mine at Keno Hill (see Map). Results from a number of other prospects are encouraging.

Most of the gold, silver, and zinc targets are associated with Cretaceous and early Tertiary intermediate to felsic intrusions that are scattered across southern Yukon. Most platinum is associated with Triassic ultramafic sills in the Kluane Ranges of southwest Yukon.

WHEATON RIVER - MONTANA MOUNTAIN DISTRICT

Exploration continued for epithermal gold- and silver-bearing quartz-carbonate veins and breccias, and mesothermal sulphide-rich quartz veins. The veins are associated with felsic dykes, and occur along faults which cut both Eocene felsic to intermediate volcanic complexes, and mid-Cretaceous and older basement rocks in the Wheaton District, and Late Cretaceous andesites on Montana Mountain. Most work, including a total of 18 500 m of diamond drilling, was done on three properties on and near Mt. Skukum (MT. SKUKUM MINE, SKUKUM CREEK (MT. REID), POP). Exploration drifting, and surface and underground drilling by Omni on the SKUKUM CREEK (MT. REID) property increased reserves in the Rainbow and Kuhn Zones to an estimated 546 000 tonnes grading 13.4 g/t gold equivalent. The potential to increase reserves is excellent. The company expects to work through the winter with two drills and hopes to have a pre-feasibility study completed this year. At least 13 other prospects in the district were explored by Omni Resources Inc., Berglynn Resources Ltd., United Keno Hill Mines Ltd., All North Resources Ltd., Kerr Addison Mines Ltd., Pacific Trans-Ocean Resources Ltd., and Sirius Resources Ltd.

DAWSON RANGE

Mesothermal and epithermal gold- and silver-bearing veins are associated with clay alteration, faulting and brecciation of Cretaceous copper-bearing feldspar porphyry intrusions. The region was very active with five drill programs and extensive trenching near Mt. Nansen, on Mt. Freegold and along Big Creek. Veins are variably oxidized to depths of up to 115 m at Mt. Nansen and 244 m at Casino. As a result, supergene enrichment is common, and cyanide heap and vat leaching are possible.

Mt. Nansen was again worked by Chevron Resources and BYG Resources, near the Brown-McDade Zone where reserves are currently estimated at 727 000 tonnes grading 7.9 g/t gold and 62-103 g/t silver. A total of 1048 m was drilled on the nearby FLEX and WEBBER zones where the best intersection was 20.6 g/t gold over 1.8 m. Also in the Mt. Nansen area, Chesbar Resources Inc. and States Exploration reported a drill intersection of 14.7 g/t gold over 1.6 m from the VIC property. Aurchem Exploration drilled a series of thin, gold-bearing quartz-calcite veins on the GOULTER property.

On Mt. Freegold, Nordac trenched the ANTONIUK and GOLDSTAR properties. On the GOLDSTAR, a trench cutting the MARGARETE vein yielded assays of 9.8 g/t gold and 96 g/t silver across 22 m. A trench 850 m along strike, near the old

AUGUSTA showing, revealed a possible extension of the MARGARETE vein which assayed 366 g/t gold over 5 m. However, drilling beneath the trench only encountered grades up to 18.8 g/t gold and 98.0 g/t silver over 1.1 m. Also near Mt. Freegold, Noranda trenched and drilled on EMMON'S HILL, and trenched on their PINESOL option. Dominion Explorers trenched the GOLDY occurrence, and Shakwak drilled the faulted extension of the LAFORMA vein.

Along the west side of Big Creek, Nordac cut almost 12 km of bulldozer and excavator trenches on the NUCLEUS and REVENUE properties. The REVENUE property covers ENE-trending zones of intense clay alteration and silicification which host gold-bearing veins and small massive sulphide veins, locally containing high grades of gold (up to 90 g/t). Values up to 1.6 g/t gold over 70 m were obtained in one trench. The alteration zones are localized along the margin of a faulted block of heterolithic tuff which is faulted against older Cretaceous granodiorite containing a copper-molybdenum porphyry. Northwest of Big Creek, Noranda explored the TAD property with drilling and geophysics.

KLONDIKE DISTRICT

In the Klondike gold fields, near Dawson, gold-bearing quartz veins in the Klondike Schist were explored along Bonanza and Hunker Creeks. Mark Management explored the LONE STAR property with approximately 9296 m of rotary and diamond drilling, 25 trenches and extensive bulk soil and chip sampling. On the HUNK property, United Keno Hill Mines Ltd. rehabilitated, mapped, and sampled the BEN LEVY adit, carried out an extensive geochemical and geophysical survey, and excavated 18 trenches to bedrock. Trenching exposed a series of en echelon quartz veins containing gold over a strike length of 1100 m. The best gold values averaged 32.2 g/t gold across 4 m. Other companies active in the area included Volcano Resources Ltd., Cominco Ltd., and All North Resources Ltd.

KETZA-SEAGULL DISTRICT

Gold and silver occur in sulphide-oxide replacement of limestone and dolomite, and in fissure veins and breccia zones. The deposits are zoned about the Ketza and Seagull Uplifts, two domal structures thought to reflect two buried mid-Cretaceous intrusions. In the Ketza Uplift, Canamax carried out extensive airborne and ground geophysical surveys, detailed mapping, geochemistry, and almost 11 000 m of drilling over eight gold-silver targets. Drill-indicated geological reserves were delineated in five zones. The most spectacular results were obtained from the Break zone, located 1300 m east of the Peel and Ridge orebodies, where one of the higher grade intersections assayed 23.56 g/t gold across 5.9 m. In the QB vein which is part of the Shamrock zone, 18 of 28 holes cut significant gold values including 10.97 g/t gold across 7.6 m. Golden Pavilion Resources Ltd. and Mountain Province Mining Inc. were also active in the Ketza Uplift. In the Seagull Uplift, Fairfield Minerals Ltd. continued to explore the large RAM property with mapping, geochemistry and geophysics. Numerous, polymetallic quartz veins and massive sulphide lenses, some of which are gold-bearing, underlie the property. Yukon Minerals Corp. conducted extensive road building and bulldozer trenching of numerous small high grade silver veins at the head of Groundhog Creek. Cominco Ltd. drilled 11 holes on the TAY (LP) property where gold occurs with pyrrhotite and pyrite in schist and skarn.

KENO HILL DISTRICT

United Keno Hill Mines Ltd. explored the READY CASH, CHIEF, CHANCE, KLONDIKE KENO, ANTHONY, and KENO #6 high grade silver veins with rotary drilling from surface, and the BELLEKENO, LUCKY QUEEN, and SILVER KING veins

with exploration adits, drifts, raises and underground diamond drilling. A significant new high grade ore deposit is indicated in the BELLEKENO mine where the drift was advanced 29 m in ore grading 2002 g/t silver across 2 m. The No. 5 vein in the SILVER KING mine assayed between 342.8 and 3428.5 g/t silver across 0.3 to 0.61 m over a strike length of 63.4 m. Northeast of Keno-Hill, on the CLARK property, NDU Resources and Archer Cathro and Associates drilled a silver-lead-zinc-bearing manto in Lower Cambrian limestone. Mineralization was encountered in five of the six drill holes, with a weighted average grade of 273 g/t silver, 6.5% lead, and 9.3% zinc over 1.8 m.

HESS RIVER

Dawson Eldorado Mines Ltd. and Pacific Trans Ocean Resources Ltd. drilled the PLATA #4 vein and outlined possible reserves of 450 000 tonnes grading 4 to 8 g/t gold and 340 to 690 g/t silver at a depth of less than 60 m. The vein ranges from 0.5 to 4.0 m thick and averages about 1.5 m.

SOUTHEAST YUKON

North and east of Watson Lake, drilling by Novamin increased ore reserves on the MEL stratabound barite-lead-zinc deposit to 5.5 million tonnes of 8.5% combined lead and zinc. At MT. HUNDERE, where sphalerite- and galena-rich mantos replace Lower Cambrian limestone, Canamax intersected a new zone of high grade lead-zinc-silver mineralization over significant widths in 6 of 14 widely spaced drill holes. The zone is located about 500 m northwest of the south showing, where 2 200 000 tonnes grading 14.1% zinc, 8.7% lead and 72 g/t silver have previously been outlined. Near Quartz Lake, Novamin and NDU Resources, under option from Silverquest, trenched gold geochemical anomalies in an 2000 m x 300 m area on the PORKER property. Heavily oxidized breccia zones, stockwork and veins contain siderite and quartz with pyrite, arsenopyrite and locally, jamesonite. These are localized along faults and replace Lower Cambrian limestones. One oxidized zone returned assays as high as 4.1 g/t Au over 6.1 m.

RANCHERIA DISTRICT

Silver-bearing veins and mantos are associated with northeast-trending faults, and early Tertiary mafic and felsic dykes that are thought to be secondary features of large scale strike-slip faults such as the Tintina. On the LOGAN property, a fault zone which cuts a highly altered Cretaceous intrusion contains veins and breccia zones of quartz, carbonate, sphalerite and lesser pyrite, pyrrhotite, arsenopyrite, chalcopyrite, and tetrahedrite. Fairfield Minerals Ltd. and Getty Resources Ltd., substantially increased reserves in the Main Zone from last years estimated 2 700 000 tonnes grading 10% zinc and 34.3 g/t silver. Silver Hart Mines continued drilling the TM zone on the CMC property, and expect to increase reserves from the present 60 000 tonnes grading 1371 g/t silver. Pak-Man Resources Ltd. and 2001 Resources Industries Ltd. trenched several other prospects in the district.

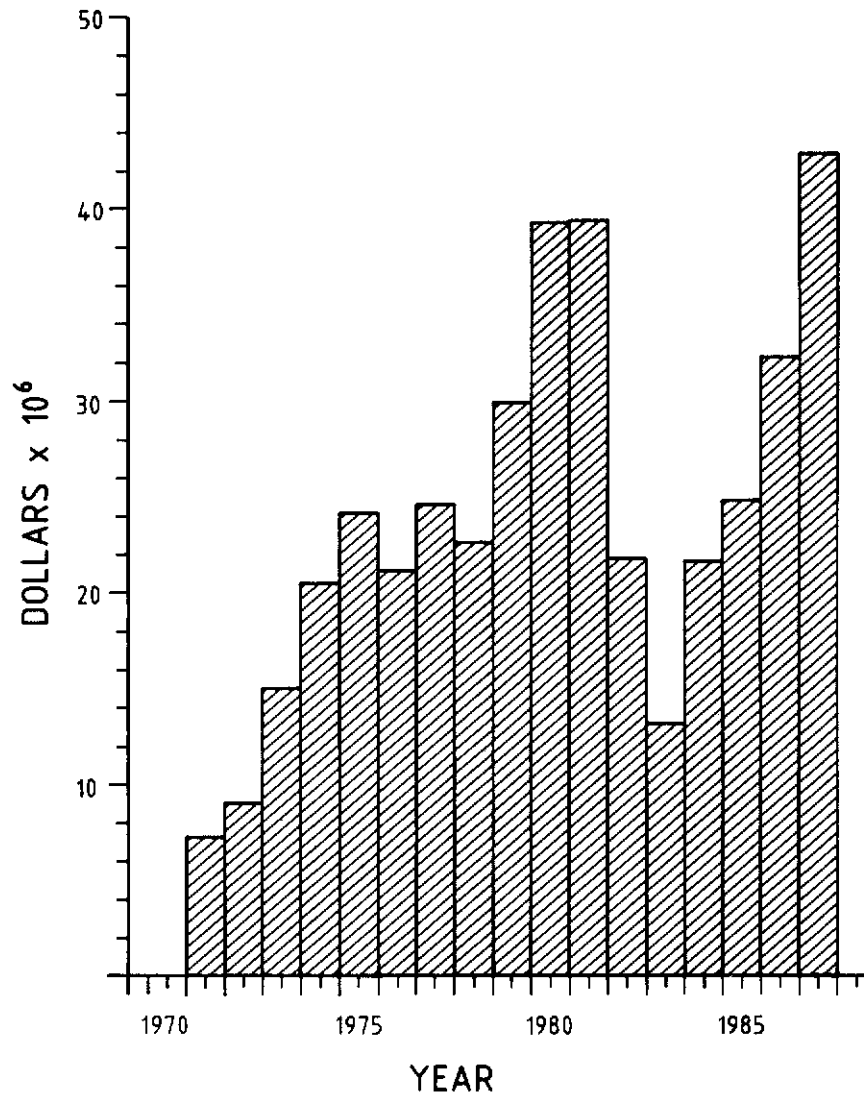
TINTINA TRENCH

Near Ross River, Golden Nevada and Noranda conducted extensive geochemical and airborne geophysical surveys over the GREW CREEK property where epithermal gold-bearing veins cut early Tertiary bimodal volcanic rocks. The main deposit which had previously been explored with reverse circulation and diamond drilling, was retested by diamond drilling. Core recovery and assays proved to be much better during the second attempt. The best drill intersection assayed 11.1 g/t gold across 17 m.

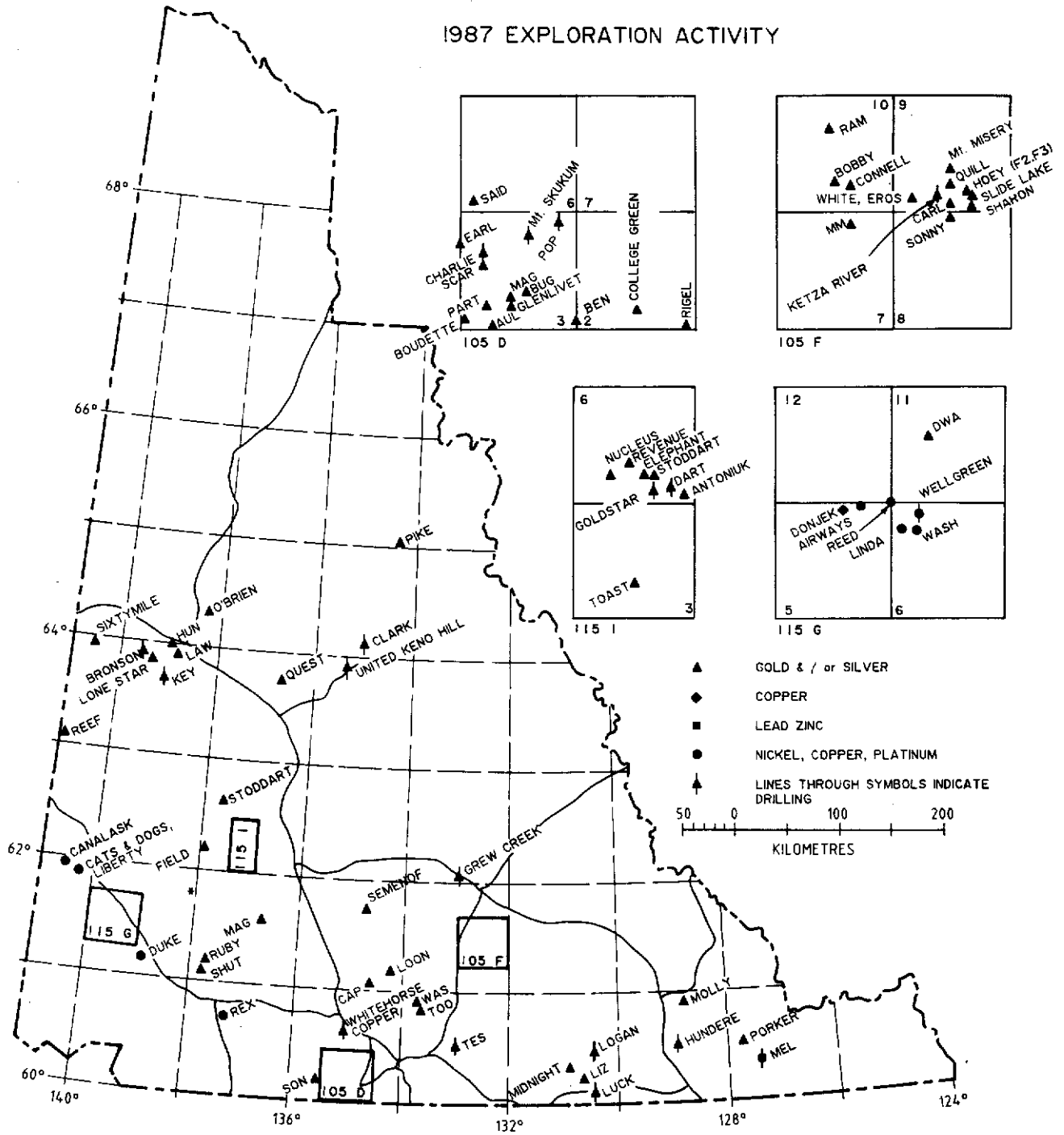
KLUANE RANGES

Activity centred on the WELLGREEN property where Kluane Joint Venture evaluated the platinum potential of a layered peridotite sill that had previously been mined for nickel and copper. Detailed mapping and geophysical surveys, the excavation of 10 000 m³ of trenches, and 4932 m of diamond drilling confirmed that platinum-bearing disseminated and massive sulphides show widespread, but erratic distribution over a strike length of 2 km. A typical intersection through the West Zone which is located 1 km west of the old mine workings assayed 1.2 g/t platinum, 0.61 g/t palladium, 0.83% copper, 0.32% nickel, 0.03% cobalt and 0.27 g/t gold across a true width of 15 m. Mineralogical and metallurgical tests are currently underway. Similar ultramafic bodies elsewhere in the Kluane Ranges were explored by All North Resources Ltd., Rockridge Mining Corp. Ltd., Chevron Minerals Ltd., Silverquest Resources Ltd., Hudson-Yukon Mining Co., Ltd., and Pak-Man Resources Ltd.

EXPLORATION EXPENDITURES / YEAR



1987 EXPLORATION ACTIVITY



1987 EXPLORATION ACTIVITY IN YUKON

MEL (JEAN)	Novamin Resources Inc.	95 D 6	Barite, galena and sphalerite are found in a concordant lens 800 m long and 21.7 m thick in cryptocrystalline Cambro-Ordovician limestone overlain by laminated calcareous shale and phyllite. The strata have been folded into an overturned syncline which trends north-south. Drilling: JEAN 1,14,19: 7 DDH (BQ) total 2012 m. Ore reserves have been increased to 5 581 030 tonnes grading 6.63% Zn, 1.92% Pb, 49.6% barite.
PORKER (PIGLET)	Novamin Resources Inc., NDU Resources Ltd option from Silverquest Resources Ltd	95 D 12	Breccia zones, stockwork and veins of siderite and quartz with pyrite, arsenopyrite and locally jamesonite occur along faults and replace Lower Cambrian limestone. Geology: PIGLET (68 claims), 1:5000 mapping. Geochemistry: 1000 x 300 m grid, soil samples of 100 x 50 m spacing were analysed for Au. Trenching: 22 bulldozer trenches were excavated over a 2000 x 3000 m area. One oxidized zone returned assays as high as 4.1 g/t over 6.1 m width.
HUNDERE (HUN CIMA, MICA)	Canamax Resources Inc.	105 A 10	Sphalerite and silver-bearing galena occur in skarn mantos in Cambrian limestone and phyllite. Geophysics: CIMA 21,23,79-85,89-90: ground magnetometer survey, 11.5 line km with 12.5 x 100 or 200 m spacing. Trenching: MICA 2: 1000 m ² bulldozer trenching extended previously discovered showings. Drilling: CIM 13,15,28, MICA 7: 14 wireline drill holes (NQ) total 3889.9 m. The drilling intersected a new zone of high-grade lead-zinc-silver mineralization in 6 of 14 widely-spaced holes. The new zone is located 500 m northwest of the south showing.
MOLLY (JACK)	Tarmachan Exploration Services Ltd for A. Black	105 A 15	Gold and molybdenite occur in a quartz stockwork within an intensely altered part of the Billings Batholith. Geophysics: JACK (8 claims): mag. & VLF-EM surveys, 1150 m base-line and 4 cross lines up to 1400 m. Magnetic anomalies appear to extend the stockwork zone along strike.
LUCK (A&B, PIGGY, BNA)	Goldex Resources Inc.	105 B 1	Silver-bearing galena occurs with sphalerite in saddle reefs in folded Lower Cambrian marble and phyllite. Stripping: Bulldozer stripping over geophysical and geochemical anomalies failed to reach bedrock due to permafrost. Trenching: Additional trenching of original showing was followed by blasting of other showings and mapping of new exposures.
LIZ	Pak-Man Resources Ltd; 2001 Resource Industries Ltd	105 B 2	Oxidized veins containing lead, zinc and silver occupy two parallel fault zones (azimuth 050°) and cut and replace Cambrian limestone. One vein is exposed over a length of 300 m. Geology: LIZ 1-16: mapping. Surveying of previous backhoe trenches. Geochemistry: As above, some rocks samples analysed. Results reported to warrant drill testing of vein system of depth.
MIDNIGHT (CMC)	Silver Hart Mines Ltd	105 B 7	Lead and silver occur in quartz veins and mantos at the eastern margin of the Cretaceous Cassiar Batholith. The veins follow east-striking faults which crosscut quartz monzonite, skarn and Lower Cambrian schist and limestone. Two mantos about 50 m long and 5 m wide occur within the limestone. Geology: CMC 1-104: Regional mapping. Geochemistry: As above. Trenching: Bulldozer trenching, unspecified. Drilling: TM zone: 8 DDH total 914.4 m expected to increase reserves from present 60 000 tonnes grading 1371 g/t Ag.
LOGAN	Fairfield Minerals Ltd	105 B 7 105 B 8 105 B 9 105 B 10	Sphalerite and tetrahedrite are found in quartz-carbonate veins, stockwork and breccia zones that are localized along a fault cutting a highly altered Cretaceous intrusion. Geology: LOGAN 107-16: 1:10 000 mapping. Geochemistry: As above, 1258 soil samples 50 m apart, analysed for Zn,Ag,Sn. Geophysics: LOGAN 1-168: IP survey, 20 km, defined 1988 drill targets. Drilling: LOGAN 2,3,5,7,10,47: 44 holes total 7770 m. Several of the better intersections included 68 m of 5% Zn and 24.3 g/t Ag, 57 m of 5.01% Zn and 33.6 g/t Ag, and 5 m of 15.18% Zn and 103.2 g/t Ag. The 1987 drilling further defined the main zinc-silver orebody. Two holes were drilled on a separate mineralized structure 213 m east of the main orebody, with good results reported. Construction: Roads 10 km, airstrip 701 x 21 m.
TES	Noranda Exploration Co. Ltd	105 C 11	Quartz stockwork in silicified Upper Triassic basic tuff. Geology: TES 1-49: 1:5000 mapping. Trenching: 4 trenches Drilling: 2 DDH (BQ) total 180 m.
TOO	All North Resources Ltd	105 C 13	Metasedimentary and metavolcanic rocks (Mississippian or older) are intruded by the Late Cretaceous Quiet Lake Batholith. Geology: TOO 1-10: 1:10 000 mapping, prospecting. No veins or mineralized samples were found. Geochemistry: As above, 13 silt, 32 soil and 2 rock samples were taken.
WAS	All North Resources Ltd	105 C 13	Mississippian and earlier metavolcanic rocks and related intrusions underlie the property. Geology: WAS 1-6: 1:10 000 mapping. No mineralization was found. Geochemistry: As above, 12 soil, 10 silt, 4 rock samples were taken.

COLLEGE GREEN (GRAY) (AFI)	Omni Resources Inc.	105 D 2	Triassic Lewes River Group volcanic and sedimentary rocks are intruded by Cretaceous granodiorite and several Tertiary rhyolite plugs. Geochemistry: Samples were analysed for Au and Ag, several anomalous targets were outlined.
RIGEL	United Keno Hill Mines Ltd	105 D 2	Property is underlain by Triassic Lewes River Group and Jurassic Laberge Group sedimentary rocks. Geology: RIGEL 1-10, 1:30 000 mapping. Geochemistry: As above, soil samples at 100 m intervals, analysed for 30 elements.
COLLEGE GREEN (GRAY) (AFI)	Omni Resources Inc.	105 D 2	Triassic volcanic and sedimentary rocks are intruded by Cretaceous granodiorite and several rhyolite plugs. Quartz-carbonate veins and breccias cut both the Triassic rocks and the granodiorite. Geology: AFI 37-64,84-92,99-106,113-118,121-125: 1:10 000 mapping. Geochemistry: As above: soil, silt, talus & rock samples were analysed for Pb, Zn, Ag, Au, As, Sb. Several anomalous samples Geophysics: AFI 45,46,57-60: VLF-EM 16 survey, 25 x 50 m stations.
BEN	All North Resources Ltd	105 D 2	Altered, brecciated fault zones with quartz veining cut rocks of the Coast Plutonic Complex. Geology: BEN 1-33: 1:5000 mapping. Geochemistry: BEN 1-33: 48 soil, 16 silt and 33 rock samples were analysed for Au, Ag. Assay values up to 6.5 g/t and 78.2 g/t Ag were obtained from mineralized east-west shears.
SCAR	Omni Resources Inc. option from Noranda Exploration Co. Ltd	105 D 3	Gold and silver occur in quartz veins and shear zones. Geology: SCAR 1-34: 1:5000 mapping. Geochemistry: As above: soil and talus fine samples taken at 20 m intervals intervals, and rock outcrop samples were analysed for Au, Ag. Several mineralized zones and two diamond drill targets were outlined. Geophysics: As above: mag. survey 18.2 km, VLF-EM survey 17.3 km, readings every 12.5 m. Construction: 2 drill sites (12 x 12 m) were blasted from cliff face. 2 helicopter pads were blasted & levelled.
BOUDETTE (MAJI)	Kerr Addison Mines Ltd	105 D 3	Quartz veins and breccias cut Eocene rhyolite and andesite dykes and Cretaceous granodiorite. Geology: MAJI 1-18,20-27,29-30: 1:25 000 mapping. Gold and minor silver mineralization occurs in quartz veins, stringers and breccia zones, along north to northeast-trending shears and faults. Geochemistry: As above, rock samples were analysed for Au,Ag,As,Sb.
BUG	Kerr Addison Mines Ltd	105 D 3	Abundant rhyolite porphyry dykes and sills cut Cretaceous granodiorite. Prospecting: BUG (19 claims): Found traces of mineralization only.
PART	Mine Quest Exploration Associates Ltd for Sirius Resource Corp. Under option from L. Allen and R. Bilquist	105 D 3	Quartz veins with pyrite and galena intrude quartz monzonite, breccia and lithic tuff in the Bennett Lake area. Geology: BOUD 1-28, CRD 1-10, 18-22, 33-38: 1:10 000 mapping. Geochemistry: BOUD 3-20, 120 rock samples were assayed for Au, Ag. 43 rock samples were analysed for 30 elements. Anomalous values were reported from quartz veins, quartz breccia and silicified wall rock. CRD 1-10,18-22,33-38: 39 rock samples were assayed for Au & Ag. Anomalous values were reported from quartz vein float.
AUL	Mine Quest Exploration Associates Ltd for Sirius Resource Corp. under option from R.J. Bilquist	105 D 3	Anomalous gold & silver values are reported from quartz veins in major fractures cutting conglomerate, andesite, pyroclastic and altered felsic volcanic rocks of the Bennett Lake complex. Geology: AUL 10,12,14,16,17,23,24: 1:10 000 mapping. Geochemistry: AUL 12,14,16: 30 rock samples were analysed for Au, Ag.
MT SKUKUM MINE (GLEE, MOE, KUKU BUTTE, WOOF, PUP CHIEF)	Mt Skukum Gold Mining Corp. (AGIP Canada Ltd), Total Erickson Resources Ltd	105 D 3	Gold and silver-bearing quartz-carbonate veins and hydrothermal breccias crosscut rocks of the Eocene Skukum Volcanic Complex. Geology: GLEE, MOE, KUKU, BUTTE, WOOF, CHIEF, PUP: 1:10 000 mapping. Parts of KUKU, CHIEF & BUTTE claims: 1:5 000, 1:1 000 1:500, 1:200 scale mapping. Geochemistry: All claims: contour soil samples were taken 20 m apart, 304.8 m vertical spacing between sample lines. Spacing was locally decreased to 25 x 25 m over prospective areas. Geophysics: East half of property: airborne mag., VLF, EM surveys; CHIEF & KUKU: ground max-min, VLF, mag. surveys. CHIEF: IP only. Trenching: CHIEF & KUKU: hand trenching 50 m; KUKU only: backhoe/excavator/bulldozer trenching 200 x 10 x 3 m. Drilling: CHIEF: 2 DDH (BQ), total 320 m; KUKU: 75 DDH (HQ, BQ, NQ) average length 100 m per hole, resulted in increased drill-indicated reserves in the BRANDY and LAKE zones.

MT. REID (SKUKUM CK) Resources (WH,ERN TEX,SKAR KID)	Omni Resources Ltd.	105 D 3	Gold and silver-bearing sulphide-rich mesothermal veins are localized along the ENE-trending Berney Creek fracture. Geology: SKAR, 1:500 mapping, WH & ERN, 1:200 mapping. Geochemistry: SKAR: soil, chip, rock and talus samples, reconnaissance & detail grids, analysed for Au,Ag,As,Sb,Hg,Pb,An. ERN & WH, detail rock sampling, analysed as above. Geophysics: SKAR: mag. & VLF surveys over detail grid. Underground: ERN, WH: Exploration drifting 826 m. Two crosscuts off the main adit intersected the RAINBOW zone which had a width of 5.1 m in crosscut #1 and 8.22 m in crosscut #2. Channel sampling in crosscut #2 returned values of 6.5 g/t Au and 428.5 g/t Ag over a true width of 7.92 m. The KUHN zone was cut by the main drift, 305 m below surface. Drilling: ERN & WH: 56 DDH (NQ, surface and underground), total 6400.8 m approx. Widely-spaced step-out holes extended the RAINBOW zone 152 m to the north and the same distance down dip, doubling the known strike length. The zone is still open in all directions. Intersections of 25.4 g/t Au and 630.8 g/t Ag over 9.5 m and 13.4 g/t Au and 1714 g/t Ag over 1.7 m were reported in two of the drill holes. Drill-indicated reserves were increased to approximately 546 000 tonnes grading 13.4 g/t Au equivalent (8.4 g/t Au, 274 g/t Ag). Other: Bulk sampling was begun. Preliminary metallurgical testing yielded encouraging results. Tailings sites were evaluated, environmental studies were begun. Underground drilling is planned to continue through the winter.
GLENLIVET	Pacific Trans-Ocean Resources Ltd, AGIP Canada Ltd	105 D 3	Volcanic rocks of the Bennett Lake Caldera complex are cut by fault zones with clay-jarosite-pyrite alteration and quartz-galena-fluorite-calcite-malachite veins. Geochemistry: GLENLIVET: soil, rock & chip samples were analysed for Au,Ag,As,Sb,Hg. Four zones of interest were identified. Trenching: 6 trenches, total 99.8 m ³ .
MAC	All North Resources Ltd	105 D 3	Rhyolite ring dykes of the Bennett Lake Caldera Complex intrude Cretaceous granodiorite of the Coast Plutonic Complex. Geology: MAC 1-14: Reconnaissance prospecting only. Geochemistry: As above: 43 soil, 115 silt, 8 rock samples were taken. One small quartz vein assayed up to 0.16 g/t Au and 6.2 g/t Ag over 0.2 m.
MT STEVENS (POP, MOM, CHARLIE, TECH, AND OTHER, TOTAL >650 CLAIMS)	Berglynn Resources Ltd, Skukum Ventures Ltd, Waihalla Exploration Ltd	105 D 3 105 D 6	Epithermal gold and silver-bearing veins occur within rocks of the Eocene Skukum Volcanic Complex. Geology: TECH, WAL, CHARLIE, RIDGE claim groups: 1:5000 mapping. POP claims: 1:5000, 1:1000 mapping. STEN claims: 1:12 500 mapping. Geochemistry: HAVI, RIDGE, BRIDGE, ROAD, BANK, TECH claim groups covered by 50 x 100 m grid; MOM claims covered by partial grid. Geophysics: POP, MOM claim groups: VLF-EM 16 survey. Trenching: POP claims: bulldozer trenching. Drilling: POP claims: 16 DDH (HQ & NQ) exceeding 4267 m.
EARL	Pacific Trans-Ocean Resources Ltd, AGIP Canada Ltd	105 D 3 105 D 4	Gold and silver-bearing quartz-pyrite-galena-sphalerite-tetrahedrite-malachite veins and stockwork cut Cretaceous granodiorite and Paleozoic metasedimentary rocks. Geology: EARL 1-32: 1:10 000 mapping shows Charleston vein may extend onto east end of property. Geochemistry: EARL 1-32: soil, rock and chip samples were analysed for Au, Ag, As, Sb, Pb. Grab samples yielded values up to 6.3 g/t Au, 3659 g/t Ag. Geophysics: EARL 1-32: mag., VLF surveys, readings at 25 x 25 m intervals.
SAID (SAID, THE)	Pacific Trans-Ocean Resources Ltd, AGIP Canada Ltd	105 D 3 105 D 6	Epithermal gold and silver-bearing chalcedony veins & stockwork occur along a 3 km fault zone cutting rocks of the Eocene Skukum volcanic complex. Deposits are characterized by opaline sinter and extensive clay alteration. Geology: SAID, THE (83 claims): 1:1000, 1:500 mapping. Geochemistry: As above: soil, rock & chip samples analysed for Au, Ag, Hg, As, Sb. Chip samples yielded up to 19.9 g/t Au, 24.3 g/t Ag. Trenching: 4 trenches, total 62 m ³ Construction: 2 drill sites, 252 m ³ .
SON	All North Resources Ltd	105 D 4	Bull quartz veins occur in Paleozoic? quartz-biotite schist, quartzite and marble intruded by rocks of the Coast Plutonic Complex. Geology: SON 1-10: 1:10 000 mapping. Geochemistry: As above: 88 soil, 40 rock and 5 stream samples were taken. The only anomalous soil sample assayed up to 424 ppb Au.
WHITE- HORSE COPPER (BONZO, GEM)	Whitehorse Copper Mines Ltd (Hudson Bay Mining & Smelting)	105 D 11	Gold-bearing copper-magnetite skarns occur in pendants of Upper Triassic limestone intruded by mid Cretaceous granodiorite of the Whitehorse Batholith. Drilling: BONZO FR., GEM 2: 2 DDH (NQ), total 261.5 m, extended skarn zone mineralization on the Grafter & Kodiak Cub zones.
CAP	United Keno Hill Mines Ltd	105 D 15	Property is underlain by Paleozoic volcanic rocks and minor Triassic Lewes River Group sedimentary rocks. Geology: CAP 1-40, 1:5000 mapping. Geochemistry: 20 claims, 50 x 25 m soil sample grid, 20 claims, contour soil samples every 100 m. Samples analysed for 30 elements.
LOON	Aurich Resources Ltd under option from Silverquest Resources Ltd	105 E 1	Triassic-Jurassic quartz-sericite schist and cherty quartzite host silica replacement deposits containing auriferous chalcopryrite and pyrite. Geology: LOON 1-16: Old showings were examined and sampled. Geophysics: As above: 31 km line cut to prepare for 1988 VLF-EM & mag. surveys.

SEMENOF	Noranda Exploration Co. Ltd option from O. Davis	105 E 15	Copper and minor gold are associated with altered basic tuff of Upper Triassic age. Geology: SEM, DAVE (38 claims): 1:5000 mapping. Geochemistry: As above: soil samples over a 100 x 50 m grid (11.6 km), analysed for Cu, Pb, Zn, Ag, Au, As. Geophysics: IP 5 km, mag. 10.8 km. Trenching: Minor blast trenching.
MM	Curragh Mining Properties Inc.	105 F 7	Silver, lead, zinc and copper occur in massive sulphide lenses in Lower Cambrian to Mississippian metavolcanic and metasedimentary rocks. Trenching: MM 38: some hand trenching was done.
SONNY (SUSAN, ST. PETER, REGAN, JESSICA)	Golden Pavilion Resources Ltd	105 F 8	Geology: Mapping Geochemistry: Details of survey not given. Geophysics: Mag. & VLF surveys. Trenching: Blast trenching, details not given.
WHITE, EROS (WHITE, EVE)	Mountain Province Mining Inc.	105 F 8 105 F 9	Gold, silver and lead occur in Lower Cambrian and Silurian carbonates. Geology: EVE 1-138, WHITE 1-123: 1:5000 mapping. Two gold occurrences in Lower Cambrian limestone, two lead-silver occurrences in Lower Cambrian & Silurian carbonate reported. Values up to 41.8 g/t Au were obtained from Lower Cambrian limestone. Geochemistry: Selected areas: talus & soil samples at 50 m intervals over 30 km, analysed for Au and 30 elements. A strong Ag-Pb anomaly was defined overlying Mississippian sedimentary and volcanic rocks. Several other Au, As, Ag, Pb anomalies were defined.
MT MISERY (KETZA, MIS, KON)	Canamax Resources Inc. under option from High River Resources Ltd, Quillo Resources Ltd	105 F 9	Gold and silver occur in quartz-arsenopyrite and siderite-galena veins cutting Lower Cambrian and Devonian carbonate rocks. Geology: KON 240-241: 1:1000 mapping. Geochemistry: KON 240-241, KETZA 1-4,12,14: soil samples at 50 x 100 m spacing, analysed for Au, Ag, As, Pb, Zn, Cu. Geophysics: KETZA 1-20,106-116, MIS 1-2, KON 240-245: airborne mag., VLF-EM survey, 200 m line spacing. Trenching: KON 240: 265 x 5 m bulldozer trenches uncovered oxidized arsenopyrite along the margin of a large quartz vein.
WHITE, CARL (KETZA, HR)	Canamax Resources Inc., under option from High River Resources Ltd and Quillo Resources Ltd	105 F 9	Gold and silver occur in oxide mantos and quartz-sulphide veins in Lower Cambrian limestone and phyllite. Geology: KETZA 21-44F,101-105, HR1-14: 1:5000 mapping. Numerous oxide mantos discovered on the claims are related to thrust and northwest-trending normal faults. Geophysics: KETZA 21-36,37F,38,39F,40,41F,42-72,101-105, HR1-14: airborne mag., VLF-EM survey, 200 m line spacing.
SHARON (KETZA, KEY)	Canamax Resources Inc. under option from High River Resources Ltd and Quillo Resources Ltd	105 F 9	Silver-bearing galena veins occur along north-trending fissures in Upper Cambrian phyllite. Geochemistry: KETZA 1-97: soil samples at 25 x 50 m spacing analysed for Au, As, Ag, Pb, Zn. Lead and zinc anomalies extend 200 m north, along strike of trended silver-bearing galena veins. Geophysics: KETZA 73-100, KET 1-4: airborne mag.-VLF-EM survey with 200 m line spacing.
QUILL	Canamax Resources Inc. under option from High River Resources and Quillo Resources Ltd	105 F 9	Quartz-scorodite-arsenopyrite veins occur in hornfelsed Lower Cambrian phyllite. Geology: QUILL 4,6,17,18F,19,20F,21,22F: 1:1000 mapping. Numerous subparallel quartz-scorodite veins were outlined. Geochemistry: As above, soil and talus samples at 25 x 100 m spacing analysed for Au, As, Ag, Pb, Zn, Cu. Geophysics: As above, ground mag. survey, 12.5 x 50 m stations.
HOEY (F2,F3) (A-D, CAMP, DUB, GEM, AL, OK, BUD, RAIN, SADDLE, SNOW, HOPE, PETE)	Canamax Resources Ltd, option from Aigner Holdings Ltd	105 F 9	Silver and gold occur in sulphide-oxide replacements and fissure veins in Devonian limestone and dolomite. Geology: CAMP 5-8, DUB 1-2, CEM 3-6, AL 1-2, SADDLE 1-6, OK 6,7, 11,12: 1:1000 mapping. Oxidized auriferous mantos were discovered on the SADDLE and GEM claims. Geochemistry: SADDLE, GEM, AL claims, soil samples at 25 x 50 m spacing, analysed for Au, Ag, As, Pb, Zn, Cu. Geophysics: OK 6,7,11,12: mag., EM, max-min surveys, 12.5 x 50 m stations. Trenching: SADDLE 4: 445 X 4 m, GEM 6: 50 x 3.65 m, CAMP 5: 400 x 3.65 m bulldozer trenching. Drilling: CAMP 5,7: 4 DDH (NQ) total 446.5 m. OK 11: 2 DDH (NQ), total 139.2 m. GEM 6: 4 DDH (NQ) total 384.4 m. SADDLE 4: 9 DDH (NQ), total 786.1 m.

KETZA RIVER (KON,FURY, PENGUIN, PEG, PEEL PIONEER)	Canamax Resources Ltd, Pacific Trans-Ocean Resources Ltd	105 F 9	<p>Gold occurs in limestone-hosted sulphide deposits and argillite-hosted fissure veins.</p> <p>Geology: KON 6-12, PENGUIN 4,7,10, FURY 29,30,32,1F: 1:2000 mapping. Several new oxide and sulphide showings were discovered. Channel samples were taken which assayed up to 41.1 g/t Au over 6.1 m.</p> <p>Geochemistry: KON 6-23, PENGUIN 4,7,10, FURY 29,30,32,1F, PEEL 1, 3, KON 1-2, KON 23-30, 131F, 138F, PEG 17,18: soil samples at 25 x 50 m spacing, analysed for Au.</p> <p>Geophysics: As above: mag. & HEM at 12.5 x 50 m spacing. A number of strong geophysical anomalies were defined.</p> <p>Trenching: FURY 32, KON 19,137F,98F,30,25, PEG 18: 1500 m² bulldozer trenching.</p> <p>Drilling: PENGUIN 10, FURY 30, PEEL 2,3,5,6, KON 30: 61 DDH (NQ) total 5000 m. KON 19,137F,98F, FURY 27, KON 30: 95 reverse circulation drill holes (11.4 cm) total 4962.8 m. The drilling established geological drill-indicated reserves in 5 zones. Of 28 holes cutting the QB vein in the SHAMROCK zone, 18 intersected significant gold values up to 11 g/t over 7.62 m.</p>
SLIDE LAKE (KON)	Canamax Resources Inc.	105 F 9	<p>Gold and silver occur in quartz-sulphide veins, breccia zones and replacements in Lower Cambrian limestone and dolomite.</p> <p>Geology: KON 177,179,202-207: 1:5000 mapping, KON 237-239, 1:1000 mapping.</p> <p>Geochemistry: KON 175,177,179,194-207,216-223,234-237, soil samples at 125 x 50 and 50 x 100 m spacing analysed for Au, Ag, As, Pb, Zn, Cu. Several areas of auriferous sulphides were outlined.</p> <p>Geophysics: KON 148-153,166-173,177,179-239,246-261: airborne mag.-VLF-EM survey, 200 m line spacing.</p> <p>Trenching: KON 238-239: 420 x 5 m, KON 196,198: 400 x 5 m bulldozer trenches.</p>
RAM (RAM,MAT)	Fairfield Minerals Ltd	105 F 9 105 F 10	<p>Mississippian volcanic & sedimentary rocks & syenite host massive sulphide veins & bodies.</p> <p>Geology: RAM, MAT (701 claims): 1:10 000 mapping.</p> <p>Geochemistry: RAM, MAT (333 claims): 7200 soil samples on 200 x 50 m grid. Additional massive & disseminated sulphide orebodies were discovered.</p> <p>Geophysics: (33 claims): IP, VLF, mag. surveys; (1 claim), max-min. Future drill targets were identified.</p>
BOBBY (MAC, BOB)	Canamax Resources Inc.	105 F 10	<p>Gold and silver occur in quartz-sulphide veins in Lower Cambrian limestone, dolomite and phyllite.</p> <p>Geology: MAC 1-56, BOB 1-44, 1:5000 mapping. Areas of quartz veining with significant gold and silver values were outlined.</p> <p>Geochemistry: MAC 13-20, 23-28,35-38,46,48,49-54: soil samples at 25 x 100 and 50 x 100 m spacing, analysed for Au, As, Ag, Pb, Zn, Cu.</p> <p>Geophysics: MAC 1-56, BOB 1-44, airborne mag.-VLF-EM survey with 200 m line spacing.</p> <p>Trenching: MAC 21, 40 m² hand trenching.</p>
TAY (LP)	Cominco Ltd, Cinnabar Resources Ltd	105 F 10	<p>Gold and minor chalcopyrite occur in quartz-pyrrhotite veins and replacements of schist and limestone.</p> <p>Drilling: LP 13, TAY 8,14,19,20: 11 DDH (NQ) total 961 m.</p>
GREW CREEK (CANYON, GRAND)	Noranda Exploration Co. Ltd, Golden Nevada Resources Ltd	105 K 2	<p>Gold and silver occur in hydrothermal veins and Eocene felsic tuff occupying a graben within the Tintina Trench. The mineralized tuff has been traced over a distance of 366 m and is open to the north, east and west. It contains 1-2% pyrite and traces of Hg and As.</p> <p>Geochemistry: CANYON, GRAND (220 claims): till & humus sampling over all claims.</p> <p>Geophysics: As above: airborne Dig/EM, readings every 400 m. Minor ground IP & mag.</p> <p>Drilling: CANYON 1,2,5,6: 10 DDH (HQ) total 1840 m. Two of the best intersections were in holes # 87-17 and 87-19, with 11.3 g/t Au over 6.2 m and 9.5 g/t Au over 22.9 m respectively. High-grade zones within these intervals ran as high as 85.7 g/t Au.</p>
UNITED KENO HILL (>900 GRANTS & LEASES)	United Keno Hill Mines Ltd.	105 M 13 105 M 14	<p>Silver, lead and zinc occur in hydrothermal veins emplaced along faults cutting metasedimentary rocks.</p> <p>Trenching: CHIEF: 300 m³ backhoe trenching.</p> <p>Drilling (surface): READY CASH, CHIEF, TARGET O (CHANCE), KLONDIKE KENO, ANTHONY, KENO NO. 6, KENO, VEINS: 185 rotary-percussion drill holes (5 cm diameter), total 8104.6 m.</p> <p>Drilling (underground): BELLEKENO, SILVER KING exploration adits, diamond drilling total 846 m.</p> <p>Underground: BELLEKENO, LUCKY QUEEN, SILVER KING exploration adits, 397 m drifting, 163 m raising, 1250 m sampling. In the BELLEKENO mine, 29 m at the 600 level penetrated ore grading 2002.2 g/t Ag over a 2 m average width. Drifting in the ore is planned to continue into the winter. An exploration ramp in the SILVER KING mine intersected the #5 vein 50 m below the adit. A total of 63.4 m drifting was done on the vein which grades 342.8 to 3428 g/t Ag over a width of 0.3 to 0.6 m. At HUSKY SW a 190 m shaft was begun to explore an ore zone indicated by surface drilling. Possible reserves of 42 770 tonnes grading 102.9 g/t Ag and 2.7 g/t Au are estimated and the zone is open at depth.</p>
MT HINTON	Orex Resources Ltd	105 M 14	<p>High-grade veins carry up to 3361 g/t Ag and 6.45 g/t Au.</p> <p>Drilling: Approx. 900 m diamond drilling.</p>

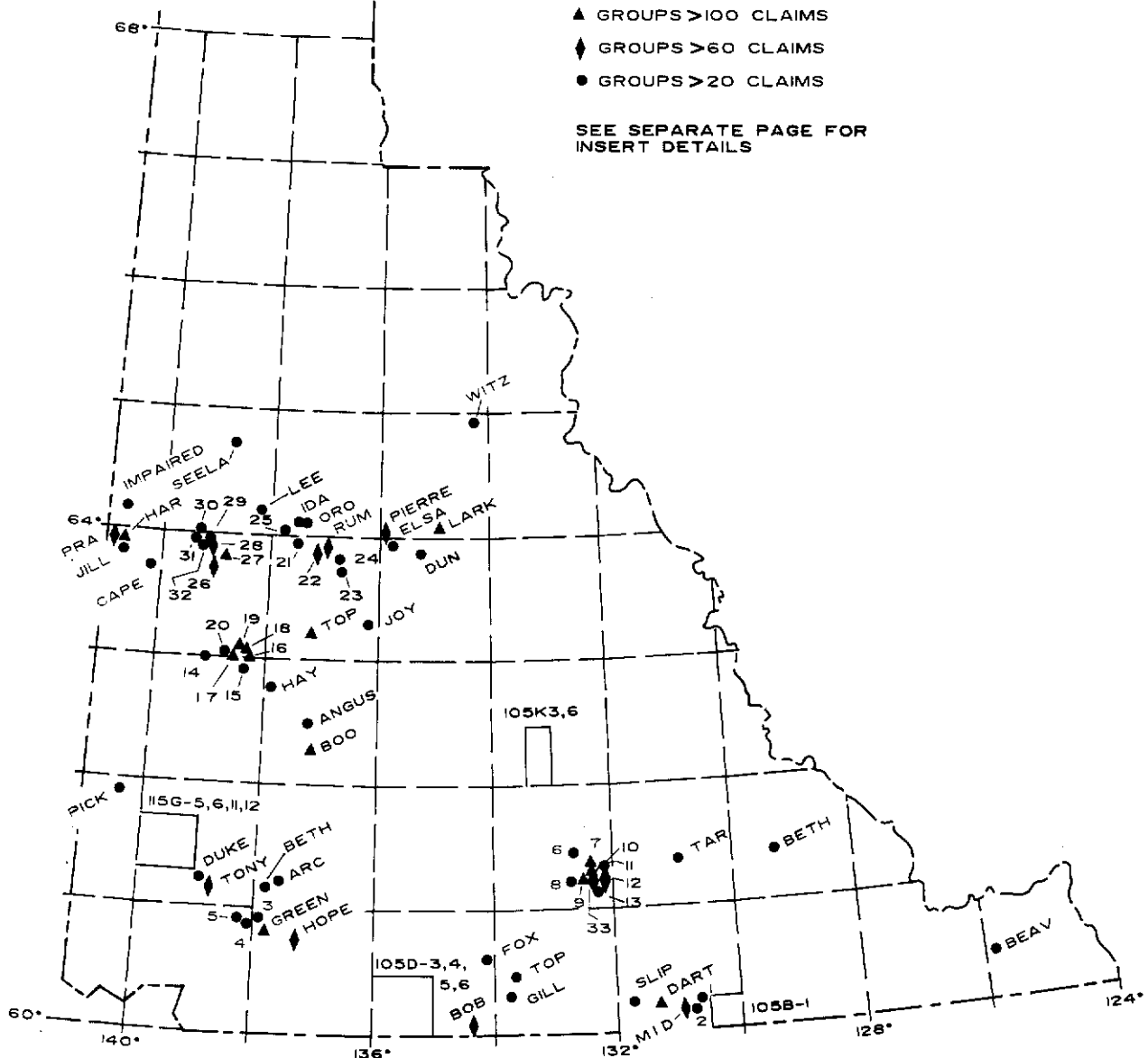
CLARK (CLARK, ESS, LARK)	Archer, Cathro & Associates (1981) Ltd for NDU Resources Ltd option from W. Ram- age and S. Van Bibber	106 D 2	Silver, lead and zinc occur in a manto within brecciated Lower Cambrian limestone. Geochemistry: Small area only: soil samples at 100 x 100 m spacing, analysed for Ag, Pb, Zn. Drilling: 6 DDH (HQ) total 448.4 m. Five of the six holes intersected significant mineralization, with weighted average values of 273 g/t Ag, 6.57% Pb and 9.30% Zn across 1.8 m.
PIKE	Silverquest Resources Ltd option from Chevron Minerals Ltd	106 E 2	Gold-rich quartz vein float occurs in talus near the contact between Quartet Group argillite and a small heteroclastic breccia body. Trenching: hand trenching and stripping exposed 70 m ² bedrock. Additional float and gold-bearing soil was found, but no bedrock source.
REX (HOPE)	All North Resources Ltd Chevron Minerals Ltd	115 A 11	The property covers an ultramafic exposure and adjoining aeromag. anomaly beneath thick glacial drift. Geochemistry: HOPE 1-72: reconnaissance soil sampling. Geophysics: As above, ground VLF-EM & mag. surveys.
CANALASK (MICRO, WENG)	Rockridge Mining Corp., Chevron Minerals Ltd, All North Resources Ltd option from P. Versluce and C. Gibbons	115 F 15	Nickel and platinum group elements occur in a stockwork cutting the footwall of an ultramafic sill. Geology: Remapping of existing outcrop along White River and old trenches. Geochemistry: MICRO, WENG (22 claims): reconnaissance samples analysed for Pt, Pd, Cu, Ni, Au. Geophysics: As above: VLF-EM and proton mag. surveys Drilling: 5 DDH (NQ) total 603.2 m, tested footage 11 contact of ultramafic sill over a 304.8 m strike length. No significant mineralization was reported. Sampling of DDH VQ7 drilled in 1972 gave values of 0.45 g/t Pt, 1.37 g/t Pd, 0.33% Cu and 0.94% Ni across 3 m.
CATS AND DOGS, LIBERTY	Silverquest Resources Ltd	115 F 16	A narrow ultramafic sill contains several small copper and nickel occurrences. Geology: CATS, DOGS, LIBERTY (48 claims): 1:10 000 mapping. Geochemistry: Samples of 100 m intervals along creek cuts were analysed for Pt, Pd, & ICP. Weak to moderate PGE anomalies reported from several creeks.
DUKE	Rockridge Mining Corp., option from Chevron Minerals Ltd & All North Resources Ltd	115 G 2	Nickel, copper and platinum group elements occur near the base of an ultramafic sill. Geology: DUKE 1-44: 1:50 000 mapping. Geochemistry: As above, reconnaissance silt, rock and soil samples.
WELL- GREEN (QUILL)	Hudson-Yukon Mining Co. Ltd, All North Re- sources Ltd, Chevron Minerals Ltd	115 G 5	Platinum, palladium, rhodium, copper, nickel, and cobalt occur in disseminated, massive and fracture-filling sulphide minerals at the contact between a Triassic differentiated mafic-ultramafic sill and underlying quartzite and volcanic breccia of the Pennsylvanian Station Creek Formation. Massive sulphides occur within footwall quartzite, at the contact between quartzite and marginal facies gabbro, within gabbro, and as lenses in overlying pyroxenite and pyroxene-rich peridotite. Disseminated sulphides occur in diopside-garnet skarn formed in calcareous footwall rocks, in gabbro and in overlying pyroxene-rich peridotite. Fracture-filling mineralization is generally restricted to quartzite. Geology: QUILL etc., 709 claims (80% of property): 1:2500 mapping. Geochemistry: As above: soil samples at 50 x 100 m spacing analysed for Pt, Pd, Cu, Ni, Au. Erratic, widespread mineralization extends over a 2 km strike length, including 1 km explored during 1973-74 underground mining operations. Geophysics: As above: VLF-EM, gradiometer mag. and total field mag. surveys, 100 x 20 m stations. Trenching: 15 bulldozer and excavator trenches in main showing area, total 10 000 m ³ . Drilling: 45 DDH (HQ, NQ, BQ) total 4931.7 m in main showing area.
AIRWAYS (BARNY, MUS, AMP, ORO EUGENE)	Pak-Man Resources Ltd, Rock- ridge Mining Corp. option from Chevron Minerals Ltd, All North Resources Ltd	115 G 5 115 G 12	Nickel, copper and platinum group elements occur as disseminations and fracture fillings in and adjacent to an ultramafic sill. Geology: BARNY, MUS, AMP (73 claims): 1:10 000 mapping. Two new gold showings were found on the north side. Geochemistry: As above: samples analysed for Pt, Pd, Cu, Ni, Au. Geophysics: As above, VLF and proton mag. survey. The old showing was relocated and traced under overburden. Trenching: Bulldozer trenching and road building, 50 hr.
DONJEK (JEK)	Silverquest Resources Ltd	115 G 5 115 G 12	Copper occurs as scattered disseminations and fracture fillings in Triassic volcanic rocks. Geochemistry: Reconnaissance rock samples were taken.

LINDA (KLU)	2001 Resources Ltd, Rock- ridge Mining Corp. option from Chevron Minerals Ltd & All North Resources Ltd	115 G 6	Nickel, copper and platinum group elements occur in massive sulphide lenses and disseminations within and adjacent to ultramafic sills. Geology: KLU 1-71: 1:10 000 mapping. Old showings were relocated and an important extension of the mineralized zone was discovered to the east. Geochemistry: As above: samples analysed for Pt, Pd, Cu, Ni, Au. Geophysics: As above: VLF & proton mag. surveys. Construction: A road was built to the new showings.
WASH	Silverquest Resources Ltd	115 G 6	Nickel, copper and platinum group elements occur as disseminations & fracture fillings within an ultramafic sill. Geology: WASH 1-51: 1:10 000 mapping. Geochemistry: As above: reconnaissance soil, silt & rock samples analysed for Pt, Pd, Au, Ni and Cu.
DWA (DWA, TAL)	United Keno Hill Mines Ltd	115 G 9	Rhyolite dykes cut Paleozoic quartz-biotite schist. Geochemistry: DWA 1-12, TAL 1-4: contour soils every 50 m, analysed for 30 elements.
RUBY	United Keno Hill Mines Ltd	115 H 4	Property is underlain by Triassic Ruby Range granodiorite, Paleozoic schist and hornfels. Geology: RUBY 1-34: 1:12 500 mapping. Geochemistry: As above: contour soil samples every 50 m, analysed for 30 elements.
SHUT	Silverquest Resources Ltd	115 H 4	Geochemistry: SHUT 1-20: reconnaissance soil and rock samples analysed for Au and 32 element ICP. Soils and one rock sample returned moderate to strong Au and As anomalies.
MAG	Kerr Addison Mines Ltd	115 H 10	Vertical quartz veins striking north to northwest cut Triassic granodiorite. Prospecting: MAG (30 claims): No mineralization was found.
FIELD	Nordac Mining Corp., Rexford Minerals Ltd option from Chevron Minerals Ltd	115 I 2	The Granite Mountain batholith underlies the property. Geochemistry: FIELD 1-30: 60 soil, 12 silt samples were analysed for Au. No anomalous results reported. Trenching: One bulldozer trench 150 m long.
TOAST	Nordac Mining Corp., Rexford Minerals Ltd option from Chevron Minerals Ltd.	115 I 3	A 750 m plug of feldspar porphyry cuts Cretaceous granodiorite. Geochemistry: TOAST 1-36: 62 soil, 14 silt samples. No anomalous gold values were reported.
VIC	Chesbar Resources Inc., States Exploration Ltd option from Kerr Addison Mines Ltd	115 I 3	Gold-bearing quartz veins cut Jurassic syenite. Geochemistry: Some soil sampling. Geophysics: Test EM survey. Drilling: Approximately 1219 m diamond drilling. Best intersection reported was 14.7 g/t over 1.6 m.
GOULTER	Aurchem Exploration Ltd, option from Goulter family and G. Dickson	115 I 3	Gold and silver-bearing veins cut Cretaceous granodiorite and diorite and Paleozoic? metamorphic rocks. Discontinuous high-grade quartz-calcite-sulphide lenses and veins up to 1 m wide occur within broad north-west-trending low-grade zones. Drilling: Approximately 1524 diamond drilling reported.
MT NANSEN	Chevron Minerals Ltd, BYG Resources Ltd	115 I 3	Gold and silver occur in northeast-trending quartz veins which cut Paleozoic? schist and altered feldspar porphyry plugs of probable Cretaceous age. The veins contain a number of different minerals including arsenopyrite, pyrite, sphalerite, galena, stibnite, native gold and silver tetrahedrite and several other silver minerals. The veins are oxidized to depths of up to 115 m and all show supergene enrichment. A current estimate by BYG assigns reserves of 727 000 tonnes of 7.9 g/t Au and 62-103 g/t Ag to the Brown-McDade zone. Trenching: Bulldozer and backhoe trenches. Drilling: FLEX and WEBBER zones: 17 DDH total 1048 m. The best intersection reported was 20.6 g/t over 1.8 m.
RUSK	Chevron Minerals Ltd, BYG Resources Ltd option from G. Dickson	115 I 3	Gold, silver and lead geochemical anomalies are associated with a strong airphoto lineament cutting Upper Cretaceous Mt Nansen volcanic rocks. Trenching: Bulldozer and backhoe trenching was done with generally poor results reported.
TAWA	Chevron Minerals Ltd, option from Consolidated BRX Mining & Petroleum Corp.	115 I 3	Gold and silver-bearing veins associated with northwest-trending porphyry dykes cut Cretaceous granodiorite. Trenching: Excavator trenches and preparatory stripping for 1988 bulldozer trenches. Construction: 1.7 km road was made from the MT NANSEN property.

ANTONIUK (MAY- FLOWER etc)	Nordac Mining Corp., Permian Resources Ltd, Rexford Minerals Ltd option from Discovery Mines Ltd	115 I 6	Finely disseminated gold occurs with minor sulphides in or near an elliptical heterolithic breccia diatreme which intrudes Jurassic and Cretaceous syenite and granodiorite. Trenching: 2 bulldozer trenches, total 1300 m long (16 000 m ³) and 2 pits 8 m deep (300 m ³) were excavated. Zones with up to 1.9 g/t Au over 50 m and 1.7 g/t over 55 m were encountered in the trenches. Mapping delineated high-grade zones and increased known reserves.
EMMONS HILL (OART)	Noranda Exploration Co. Ltd	115 I 6	Gold and silver are associated with brecciated feldspar porphyry dykes and chalcadonic quartz veins. Drilling: 2 DDH (NQ) total 185 m. Core recovery poor.
GOLDSTAR	Nordac Mining Corp., Rexford Minerals Ltd option from E. Wienecke, G. Harris	115 I 6	Gold and silver occur in vein faults cutting Paleozoic? schist, Jurassic and Cretaceous syenite and granodiorite. Limy schist has formed skarns which carry minor silver values. Geophysics: GOLDSTAR, AUGUSTA, MARGARETE: VLF-EM, mag. & gradiometer mag. surveys, 72 km total. Trenching: AUGUSTA, MARGARETE: bulldozer 5565 m, excavator 1609 m. Three hundred metres of the MARGARETE vein was sampled, yielding assays of 9.77 g/t Au and 96.0 g/t Ag over 22 m. One vein in a trench near the old AUGUSTA showing assayed 366 g/t Au over 5 m. Drilling: AUGUSTA zone: 8 DDH (HQ) total 449 m. Best intersection in this zone was 18.8 g/t Au and 98 g/t Ag over 1.1 m. MARGARETE zone: 9 DDH (HQ) total 1292 m. Intercepts in four holes ranged from 4.8 g/t Au over 6 m to 5.1 g/t over 1.5 m.
NUCLEUS	Nordac Mining Corporation, Rexford Minerals Ltd option from Chevron Minerals Ltd	115 I 6	A swarm of northwest-trending porphyry dykes intrudes a pendant of Paleozoic? schist within Cretaceous granodiorite. Trenching: Bulldozer 770 m, excavator 385 m.
REVENUE	Nordac Mining Corp., Rexford Minerals Ltd option from Yukon Revenue Mines Ltd	115 I 6	Gold and copper occur in structure-controlled zones of clay alteration and silicification in Cretaceous monzonite and granodiorite. Faults probably post-date porphyry-style alteration and minor copper-molybdenum mineralization. A horst of heterolithic lapilli tuff is emplaced within the igneous complex. Minor veins carrying massive sulphides (chalcopyrite, pyrite) and occasionally high grade gold (up to 90.0 g/t Au) occur along the margin of the heterolithic tuff. Geology: Central part of property: 1:1000 mapping. The most intense alteration zones trend ENE. Geophysics: Entire property: (63 claims). VLF-EM, proton mag., and gradiometer mag. surveys. Trenching: Central part: bulldozer 6463 m, excavator 4048 m. Values up to 1.61 g/t Au over 70.0 m were obtained in one trench.
STODDART (EYM)	Nordac Mining Corp., Rexford Minerals Ltd option from Chevron Minerals Ltd	115 I 6	Paleozoic? metasedimentary rocks are intruded by Jurassic syenite and Cretaceous granodiorite. Geochemistry: ACK 14-19: 120 samples were analysed for Au, 30 element ICP. Minor anomalies ranging up to 530 ppb Au were reported. Construction: EYM 5-8, 17-22, 3 km new road.
TAD (TORO)	Noranda Exploration Co. Ltd option from D. Waugh	115 I 12	Lead, zinc, silver and gold occur in clay-altered and silicified quartz monzonite porphyry. Geochemistry: TORO (34 claims): 265 soil samples. Geophysics: As above: mag. 5.5 km, VLF 2.0 km. Trenching: Minor bulldozer trenching. Drilling: 4 DDH (NQ) total 372 m.
PINESOL (ELE- PHANT)	Noranda Exploration Co. Ltd option from G. Lee	115 I 3 115 I 6	Gold is associated with clay-altered Tertiary rhyolite. Gold-bearing magnetite boulders are found in creek. Geochemistry: ELEPHANT 1-20: 45 soil and 36 rock samples from trenches. Trenching: 6 trenches, total 252 m.
REEF	Moosehorn Exploration Ltd (I. Warwick, K. Robertson)	115 N 2	Gold occurs in hydrothermal quartz veins and in alluvial and eluvial placers. Trenching: REEF 1-20: bulldozer & backhoe excavations. Multiple high-grade veins reported. Bulk sampling: As above, samples processed by portable mill.
SIXTY MILE	Esso Minerals Canada Ltd	115 N 15	The property is underlain by strongly-fractured, locally clay-altered andesite flows and minor andesite breccia. Geology: SIXTYMILE 35,39,41, 1:1000 mapping. Geochemistry: As above, 23 rock samples analysed for Ag, Au and base metals. Low values were reported. Stripping: Some stripping of overburden was done by placer miners.
MCKINNON (KEY)	Volcano Resources Corp. (option)	115 O 11	Gold occurs in black McKinnon Creek conglomerate. Geology: KEY 3,5,7,8,11,19-24,27-30: 1:2000 mapping. Geophysics: KEY 1,3,5,6,10-16,10-63,76-95: fluxgate magnetometer & VLF-EM 16 survey, total 45.9 line km. Several EM-16 conductors were outlined. Trenching and stripping: KEY 3,5,22: 1700 m ³ stripping and bulldozer trenching. Drilling: KEY 3,5,9 DDH (NQ) total 469.7 m.

BRONSON	Cominco Ltd	115 0 14	Stringers of pyrite, chalcopyrite and galena are found in float boulders of Permian schist. Geophysics: BRONSON 1-10: IP, VLF, mag. survey, 10.5 km. Construction: Access road, 2 km.
LONE STAR (REX)	Dawson Eldorado Mines Ltd	115 0 14	Gold occurs in quartz veins in quartz-feldspar schist and micaceous or chloritic quartzite. Trenching: 21 trenches. Drilling: DDH total 1309 m. Percussion drilling total 4261 m. Bulk sampling.
LAW	All North Resources Ltd	115 0 15	The property lies upstream of a rich placer gold paystreak in a small Hunker Creek tributary. Bedrock consists of quartz-muscovite, quartz-chlorite and graphitic schist. Trenching: Bulldozer trenching, total 1100 m, allowed 47 chip samples to be taken at 20 m intervals. Very low gold assays were reported.
HUNK (HUN, KIN)	United Keno Hill Mines Ltd	115 0 15 116 B 3	Gold occurs in quartz veins in cutting schist. Geology: Ben Levy adit on Lower Hunker Creek was rehabilitated, mapped and sampled. Geochemistry: Lower Hunker Creek-King Solomon's Dome area: 6000 soil samples on a 100 x 30 m grid analysed for 30 elements. Anomalous gold values were reported in 5 separate areas. Geophysics: VLF-EM over geochemical grid. Trenching: KIN: 18 trenches to bedrock, total 1300 x 4 x 3 m, using TD25C with ripper. Trenching on one of the above anomalies exposed a series of an echelon quartz veins containing gold over a strike length of 1100 m. Values up to 32.2 g/t Au over 4 metres were reported from this zone.
QUEST (QUEST, AMINO)	Silverquest Resources Ltd	115 P 15	Gold, silver, lead and zinc occur in numerous siderite and siderite-quartz veins which cut Cambrian or Precambrian schist and quartzite. Geology: QUEST, AMINO (69 claims): 1:5000 mapping.
O'BRIEN (A.J.) (CON, JA)	Cody Hawk Resources Inc.	116 B 8	Massive arsenopyrite, marcasite, pyrite, native gold (in arsenopyrite) in steeply-dipping veins cutting basal Cambrian quartzite near Antimony Mountain intrusion.

1987 QUARTZ CLAIMS STAKED



- ▲ GROUPS >100 CLAIMS
- ◆ GROUPS >60 CLAIMS
- GROUPS >20 CLAIMS

SEE SEPARATE PAGE FOR
INSERT DETAILS

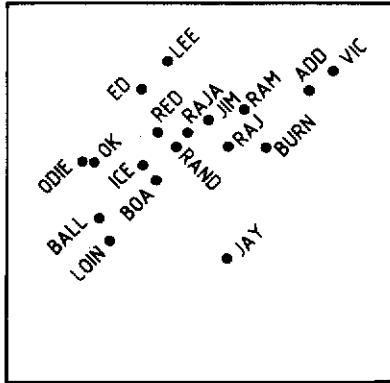
- 1 LAKE
- 2 NITE
- 3 HJ
- 4 SUGAR
- 5 ULTRA
- 6 SUSAN
- 7 EVE
- 8 JEF
- 9 MATHEW
- 10 WHITE

- 11 KON
- 12 COP
- 13 REGAN
- 14 RESORE
- 15 SG
- 16 REST
- 17 IRISH
- 18 BIT
- 19 MCFISH
- 20 FISH

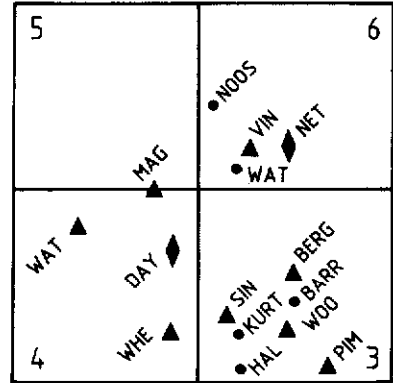
- 21 HOBO
- 22 SLEET
- 23 BOND
- 24 AMINO
- 25 AUS
- 26 KEY
- 27 KIN
- 28 TOM
- 29 FOX
- 30 LADY
- 31 BRO

- 32 WITH
- 33 BRAULT

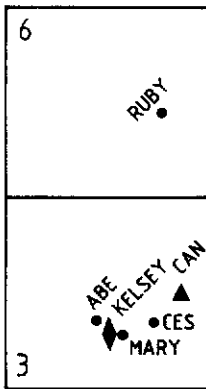
1987 QUARTZ CLAIMS STAKED
SEE MAP



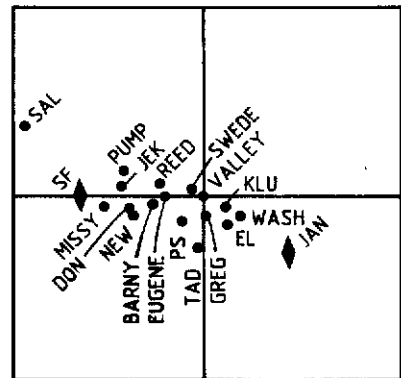
105 B - 1



105 D



105 K



115 G

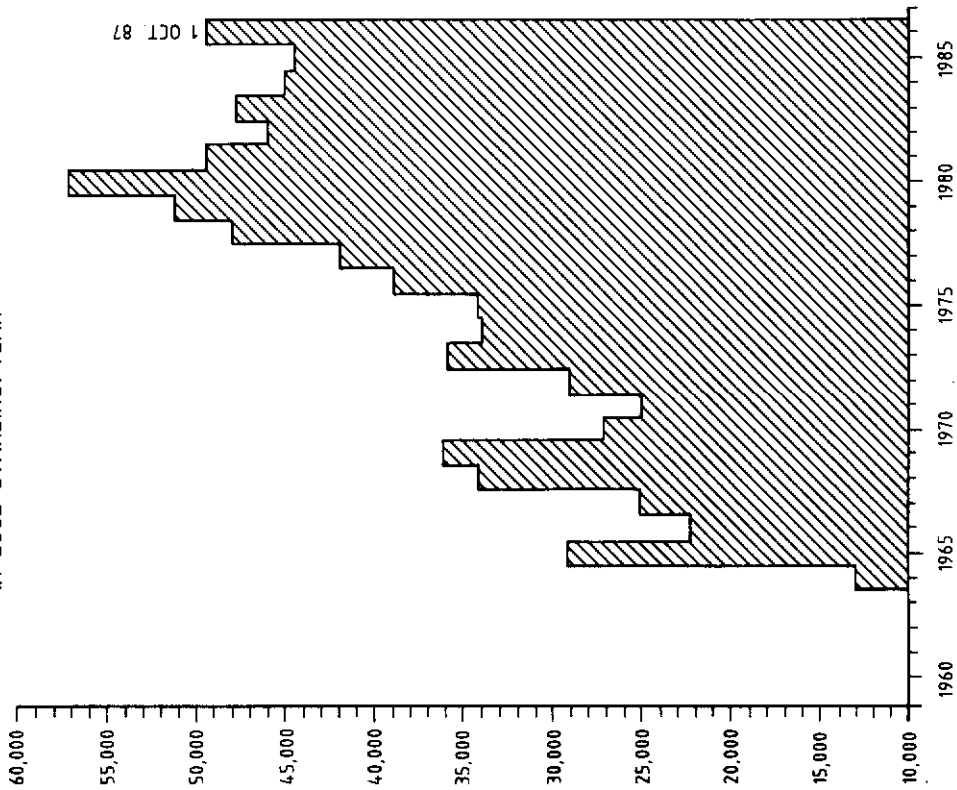
GROUPS OF GREATER THAN 20 CLAIMS STAKED IN 1987
(to October 31)

NTS	Claim Name	No.	Company/Staker
95 C 5	BEAN	20	C. Lammle, R. Quatermain
105 B 1	JAY	40	J. Sheldon
105 B 1	RAND	32	D. Schellenberg
105 B 1	ICE	32	D. Schellenberg
105 B 1	BALL	32	D. Schellenberg
105 B 1	RAJ	28	D. Schellenberg
105 B 1	ADD	42	D. Schellenberg
105 B 1	BURN	28	D. Schellenberg
105 B 1	RAM	28	D. Schellenberg
105 B 1	RAJA	32	D. Schellenberg
105 B 1	BOA	32	D. Schellenberg
105 B 1	LOIN	32	D. Schellenberg
105 B 1	HI	28	D. Schellenberg
105 B 1	ED	20	D. Schellenberg
105 B 1	RED	34	D. Schellenberg
105 B 1	VIC	24	D. Schellenberg
105 B 1	JIM	28	D. Schellenberg
105 B 1	ODIE	36	D. Schellenberg
105 B 1	LEE	48	D. Schellenberg
105 B 1	DK	44	T. McCrory, B. Preston, M. Nielsen
105 B 2	LAKE	44	D. Schellenberg
105 B 2	NITE	56	D. Schellenberg
105 B 2	MID	60	D. Schellenberg
105 B 3	DART	100	Apex Energy Corp.
105 B 4	SLIP	24	T. McCrory, A. & J. Perron, B. Preston
105 C 5	TOP	44	Dunvegan V.G. Syndicate
105 D 2	BOB	92	E. Bergvinson
105 D 3	KURT	52	E. Bergvinson
105 D 3	WOO	106	E. Bergvinson
105 D 3	HAL	42	E. Bergvinson
105 D 3	PIM	109	E. Bergvinson
105 D 3	SIN	139	D. Sufady, R. Quesnel, M. Ainsworth, M. Glynn
105 D 3	BERG	162	R. Quesnel, D. Sufady, R. Toohey, T. Mrozinski
105 D 3	BARR	28	Skukum Ventures Inc.
105 D 3, 4	WHE	302	T. Mrozinski, M. Ainsworth, R. Toohey, G. McLean, D. Sufady
105 D 4	WAT	140	D. Sufady, R. Toohey, M. Ainsworth, T. Mrozinski
105 D 4	MAG	205	M. Glynn, D. Sufady, R. Quesnel, M. Ainsworth, R. Toohey
105 D 4	DAY	83	T. Mrozinski, D. Sufady, R. Quesnel, R. Toohey, M. Glynn
105 D 6	NET	78	R. Toohey, M. Ainsworth, D. Sufady, T. Mrozinski
105 D 6	NOOS	48	T. Mrozinski, M. Ainsworth, R. Quesnel

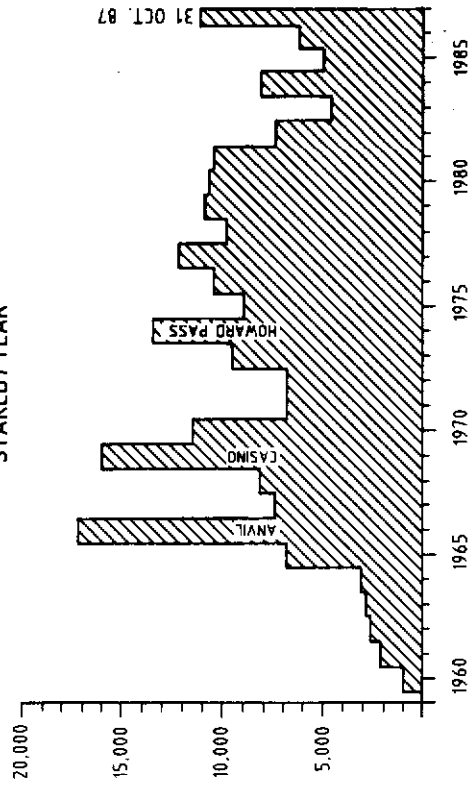
105 D 6	VIN	115	M. Ainsworth, R. Quesnel, D. Sufady, T. Mrozinski
105 D 6	WAT	27	Pacific Trans-Ocean Resources Inc.
105 D 7	GILL	32	Noranda Exploration Co. Ltd.
105 D 9	FOX	48	J. Jobin, L. Brault
105 F 7, 10	JEF	51	Cominco Ltd.
105 F 7, 8, 9, 10	MATHEW	146	M. Gray, C. Young, C. Ridley, B. Hall
105 F 8	REGAN	38	D. Ridley, C. Young
105 F 8	SUSAN	24	S. Case
105 F 8	EAGLE	28	H. Versluce
105 F 8, 9	BRAULT	61	R. Rivet
105 F 8, 9	WHITE	123	Mountain Province Mining Inc.
105 F 9	COP	41	G. Seybold, S. Case
105 F 9, 10	KON	37	Canamax Resources Ltd.
105 F 9	EVE	138	Mountain Province Mining Inc.
105 G 6	TAR	20	G. Clark
105 H 6	BETH	25	Pulse Resources Ltd.
105 K 2, 3	CAN	146	Noranda Exploration Co. Ltd.
105 K 3	CES	28	EZEE Golds Ltd.
105 K 3	MARY	57	Dominion Explorers Inc.
105 K 3	ABE	35	Dominion Explorers Inc.
105 K 3	KELSEY	95	Dominion Explorers Inc.
105 K 6	RUBY	20	B. Lueck
105 M 13	ELSA	36	M. Kilby, M. Bashford, L. Dionne
105 M 14	DUN	24	R. Quesnel, M. Glynn
106 D 2	LARK	113	Archer, Cathro and Assoc. (1981) Ltd.
106 D 4	PIERRE	74	J. Moreau, H. Boudreau
106 D 16	WITZ	40	697895 Ontario Ltd.
115 A 11, 14	HOPE	72	Archer, Cathro and Assoc. (1981) Ltd.
115 A 13	GREEN	154	B. Lueck
115 A 13	HJ	20	R. Stack
115 B 16	ULTRA	20	Archer, Cathro and Assoc. (1981) Ltd.
115 B 16	SUGAR	25	Archer, Cathro and Assoc. (1981) Ltd.
115 F 15	PICK	34	Walhalla Exploration Ltd.
115 G 2	DUKE	44	Archer, Cathro and Assoc. (1981) Ltd.
115 G 2	TONY	60	Walhalla Exploration Ltd.
115 G 5	DON	49	R. Quesnel, M. Glynn
115 G 5	PS	22	Walhalla Exploration Ltd.
115 G 5	PC	50	Avanti Minerals Ltd.
115 G 5, 12	EUGENE	44	Archer, Cathro and Assoc. (1981) Ltd.
115 G 5	BARNY	36	Archer, Cathro and Assoc. (1981) Ltd.
115 G 5	NEW	22	R. Stack, G. Harris
115 G 5	SF	84	Harjay Exploration Ltd.;
115 G 5	MISSY	28	Archer, Cathro and Assoc. (1981) Ltd.
115 G 5, 12	JEK	48	B. Harris
115 G 5, 6, 11, 12	VALLEY	57	Archer, Cathro and Assoc. (1981) Ltd.
115 G 6	EL	26	Archer, Cathro and Assoc. (1981) Ltd.
115 G 6	JAN	66	L. Halferdahl
115 G 6	GREG	36	L. Halferdahl
115 G 6	KLU	31	W. Zikos
115 G 6	WASH	51	Archer, Cathro and Assoc. (1981) Ltd.
			Silverquest Resources Ltd.

115 G 6	TAD	30	T. Mogenson
115 G 11, 12	SWEDE	27	Archer, Cathro and Assoc. (1981) Ltd.
115 G 12	SAL	36	Harjay Exploration Ltd.;
115 G 12	REED	42	Archer, Cathro and Assoc. (1981) Ltd.
115 G 12	PUMP	24	Archer, Cathro and Assoc. (1981) Ltd.
115 H 4	ARC	20	J. Ross
115 H 4	BETH	22	R. Dalbianco
115 I 3, 6	BOO	104	B. Harris, R. Stack
115 I 6	ANGUS	24	Archer, Cathro and Assoc. (1981) Ltd.
115 I 12	HAY	21	R. Copland
115 J 15,	RESORE	38	F. Spencer
115 O 2			
115 J 16	SG	32	S. Van Bibber
115 N 10	JILL	24	B. Sauer, G. Smith, S. Dudka
115 N 10	CAPE	22	B. Sauer, G. Smith, S. Dudka
115 N 15	HAR	134	Croesus Resources Ltd.
115 N 15	PRA	70	Croesus Resources Ltd.
115 O 1	BTT	100	B. Lueck
115 O 1	IRISH	150	R. McPhee, W. Genge
115 O 1	KIPS	102	R. McPhee, W. Genge
115 O 1	REST	104	R. McPhee, W. Genge
115 O 1, 2	MCFISH	30	R. McPhee, I. Anderson
115 O 1, 2	FISH	64	R. McPhee, I. Anderson
115 O 2	ROI	42	S. Cone
115 O 2	WINE	57	F. Paukner
115 O 2,	RESORE	38	F. Spencer
115 J 15			
115 O 11	KEY	87	D. Waugh
115 O 14	WITH	40	W. Dawson
115 O 14	FOX	50	G. Lee
115 O 14	BRO	50	Cominco Ltd.
115 O 14	TOM	64	W. Dawson
115 O 15	KIN	226	United Keno Hill Mines Ltd.
115 P 3	TOP	234	Wellington Financial Corp.
115 P 8	JOY	21	J. O'Neill
115 P 10, 15	BOND	25	Archer, Cathro and Assoc. (1981) Ltd.
115 P 14	SLEET	92	J. Muir, N. Harper
115 P 14	RUM	90	R. Robertson, K. McCrory
115 P 15	HOBO	52	Walhalla Exploration Ltd.
115 P 15	AMINO	27	Archer, Cathro and Assoc. (1981) Ltd.
116 A 4	AUS	32	G. Clark
116 A 4	IDA	23	Noranda Exploration Co. Ltd.
116 A 4	ORO	28	Noranda Exploration Co. Ltd.
116 B 1	LEE	32	G. Clark
116 B 3	LADY	22	W. Dawson
116 B 15, 16	SEELA	24	Dawson Eldorado Mines Ltd.
116 C 2	IMPAIRED	48	R. McPhee, M. Fraser

NUMBER OF LODE CLAIMS
IN GOOD STANDING/YEAR



NUMBER OF LODE CLAIMS
STAKED/YEAR



YUKON CLAIMS IN GOOD STANDING
(to October 31, 1987)

1987 CLAIM STATUS FOR WATSON LAKE MINING DISTRICT

	Quartz Claims	Quartz Leases	Iron & Mica Leases	Total Hardrock	Placer Claims	Placer Leases	Dredging Leases	Total Placer/ Dredging Claims & Leases
January	12 771	182	0	12 953	52	5	5	62
February	12 712	182	0	12 894	54	5	5	64
March	12 922	182	0	13 104	52	5	5	62
April	12 825	182	0	13 007	51	5	5	61
May	12 728	194	0	12 922	51	3	8	62
June	12 844	194	0	13 038	51	5	15	71
July	13 006	194	0	13 200	51	5	15	71
August	13 413	194	0	13 607	49	6	16	71
September	13 679	195	0	13 874	47	6	15	68
October	13 859	195	0	14 054	44	6	15	65

1987 CLAIM STATUS FOR WHITEHORSE MINING DISTRICT

	Quartz Claims	Quartz Leases	Coal Leases	Total Hardrock	Placer Claims	Placer Leases	Dredging Leases	Total Placer/ Dredging Claims & Leases
January	16 727	291	0	17 018	2783	69	0	2852
February	16 832	291	0	17 123	2756	68	0	2924
March	16 869	291	0	17 160	2781	69	0	2850
April	16 755	291	0	17 046	2773	78	0	2851
May	16 755	291	0	17 046	2766	78	0	2844
June	17 322	291	0	17 613	2828	81	0	2909
July	18 042	291	0	18 333	2831	92	0	2923
August	19 035	291	0	19 326	2796	87	0	2883
September	19 189	292	0	19 481	2880	88	0	2968
October	19 553	292	0	19 845	2930	96	0	3026

1987 CLAIM STATUS FOR MAYO DISTRICT

	Quartz Claims	Quartz Leases	Iron & Mica Leases	Total Hardrock	Placer Claims	Placer Leases	Dredging Leases	Total Placer/ Dredging Claims & Leases
January	7457	902	525	8884	1556	18	0	1574
February	7019	902	525	8446	1557	18	0	1575
March	6496	902	525	7923	1561	17	0	1578
April	6500	902	525	7927	1554	17	0	1571
May	6538	902	525	7965	1551	17	0	1568
June	6487	902	525	7914	1612	20	0	1632
July	6363	902	525	7790	1659	17	0	1676
August	6546	902	525	7973	1665	21	0	1686
September	6574	902	525	8001	1666	23	0	1689
October	6603	902	525	8030	1684	25	0	1709

1987 CLAIM STATUS FOR DAWSON DISTRICT

	Quartz Claims	Quartz Leases	Iron & Mica Leases	Total Hardrock	Placer Claims	Placer Leases	Dredging Leases	Total Placer/ Dredging Claims & Leases
January	6953	17	0	6970	10 013	143	4	10 160
February	7325	17	0	7342	10 022	143	4	10 169
March	7323	17	0	7340	10 030	163	4	10 197
April	7495	17	0	7512	10 222	163	4	10 389
May	7606	17	0	7623	10 388	198	4	10 590
June	7577	17	0	7594	10 631	239	4	10 874
July	7897	17	0	7914	10 653	265	4	10 922
August	8028	17	0	8045	10 704	266	4	10 974
September	8490	17	0	8507	10 767	266	4	11 037
October	8784	17	0	8801	10 776	268	4	11 048

1987 CLAIM STATUS FOR YUKON

	Quartz Claims	Quartz Leases	Iron & Mica Leases	Total Hardrock	Placer Claims	Placer Leases	Dredging Leases	Total Placer/ Dredging Claims & Leases
January	43 908	1392	525	45 825	14 404	235	9	14 648
February	43 888	1392	525	45 805	14 389	234	9	14 632
March	43 610	1392	525	45 527	14 424	254	9	14 687
April	43 575	1392	525	45 492	14 600	263	9	14 872
May	43 627	1404	525	45 556	14 756	296	12	15 064
June	44 230	1404	525	46 159	15 122	345	19	15 486
July	45 308	1404	525	47 237	15 194	379	19	15 592
August	47 022	1404	525	48 951	15 214	380	20	15 614
September	47 932	1406	525	49 863	15 360	383	19	15 762
October	48 799	1406	525	50 730	15 434	395	19	15 848

1987 ACTIVITY REPORT

YUKON EXPLORATION AND GEOLOGICAL SERVICES DIVISION INDIAN AND NORTHERN AFFAIRS CANADA

INTRODUCTION

Exploration and Geological Services Division (EGSD) consists of six geologists, an office manager, a map salesperson and a secretary. The Division is part of the Mineral Resources Directorate of the Northern Affairs Program (NAP) along with the Mineral Rights and Mining Engineering Divisions. NAP is one of five programs of Indian and Northern Affairs Canada, and in Yukon is responsible for mineral resources management in much the same way as any provincial department of mines. The projects described below were funded either by EGSD or through the Canada-Yukon Economic Development Agreement.

STAFF ACTIVITIES

1. Jim Morin - Chief Geologist
 - On change of work location in Vancouver from April 1 to March 31, 1988 to compile an inventory of Yukon gold and silver deposits.
 - Presented joint paper with R. Stroshein entitled "Disseminated precious metal targets in Yukon" at a symposium of the Geological Society of Nevada entitled "Bulk mineable precious metal deposits of the western United States"

Fieldwork

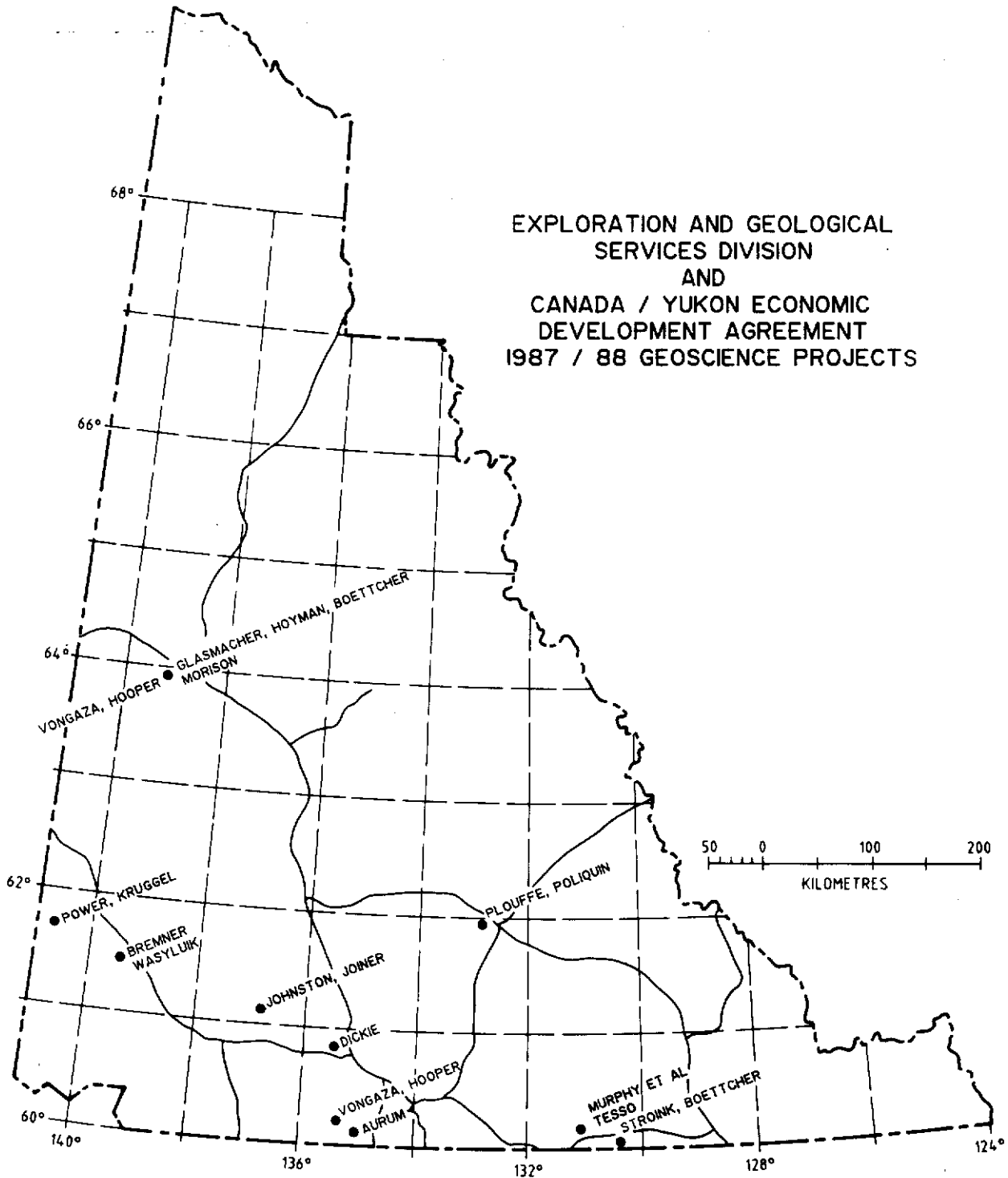
- Selected property visits to compile data for gold-silver inventory

2. Steve Morison - Placer Geologist
 - Acting Chief Geologist October 1 - March 31
 - Organized, with C.A.S. Smith (Agriculture Canada), a field excursion as part of the 12th Congress of the International Union for Quaternary Research (INQUA)
 - Co-edited and produced the INQUA field excursion guidebook. Copies of the guidebook entitled, "Quaternary Research in Yukon" are available through the Canada Map Office in Whitehorse
 - Presented a paper entitled "Regional Placer Deposit settings in Yukon Territory, Canada" at INQUA Congress in Ottawa, to be published through Geological Survey of Canada
 - Continuing work on the report and map of the geology of gravel deposits in the Klondike District
 - Contributed to the 1987 Yukon Mining and Exploration Overview

Fieldwork

- Mapping and property visits in the Klondike, Sixtymile, Mayo and Livingstone Creek areas
- Supervised summer student projects

EXPLORATION AND GEOLOGICAL
SERVICES DIVISION
AND
CANADA / YUKON ECONOMIC
DEVELOPMENT AGREEMENT
1987 / 88 GEOSCIENCE PROJECTS



3. Grant Abbott - Mineral Geologist
- Acting Chief Geologist April 1 - September 30
 - In August, presented a paper entitled "Devonian Extension and Wrench(?) Tectonics near Macmillan Pass, Yukon Territory, Canada" at the Second International Symposium on the Devonian System, Calgary
 - Led a field trip at Macmillan Pass for Canadian and Chinese geologists who are studying lead and zinc deposits in both countries under a Canada - China Scientific Exchange Agreement
 - Edited Yukon Exploration 1985/86, to be published in early December, 1987
 - Editing Yukon Geology Vol. 2 to be published by March 31, 1988
 - Preparing final report and maps on the geology of the Macmillan Pass area, to be completed 1988
 - Contributed to 1987 Yukon Mining and Exploration Overview

Fieldwork

- Supervised student and EDA projects
- Visited most properties under active exploration

4. Diane Emond - Staff Geologist
- Edited 1986/87 EDA reports
 - Contributed to the preparation of Yukon Exploration 1985/86 for publication
 - Approved exploration reports for assessment credit
 - Preparing report on tin and tungsten deposits of Mayo-McQuesten District, central Yukon
 - Contributed to 1987 Yukon Mining and Exploration Overview

Fieldwork

- Visited selected gold and silver occurrences in conjunction with Morin project

5. Trevor Bremner - Staff Geologist
- Responsible for core aquisition program
 - Contributed to preparation of Yukon Exploration 85/86
 - Contributed to 1987 Yukon Mining and Exploration Overview
 - Will be responsible for preparing the 1987 Yukon Exploration report

Fieldwork

- 1:50 000 mapping near Wellgreen platinum deposit
- Property scale mapping on Reed Creek (Kluane Ranges), Marsh Lake Whitehorse Coal properties

6. Bill LeBarge - Office Geologist (Temporary Trainee)
- Assisted preparation of Yukon Exploration 1985/86
 - Assisted with maintenance of core library and core aquisition program
 - Will assist with preparation of Yukon Exploration 1987

Fieldwork

- On secondment from June 1 - October 9 to Mark Management Ltd. to gain field experience in the exploration industry

7. Map Sales - Beth Phillips (temporary)
- Operates the Canada Map Office which distributes topographic maps, Geological Survey of Canada publications and EGSD maps and publications

The Division sponsored fieldwork for the following thesis projects.

1. Mike Power - University of Alberta
Microseismicity along the Duke River Fault System, southwest Yukon
2. Ken Wasyluk - University of Saskatchewan
Geology of the Wellgreen platinum deposit
3. Peter Von Gaza - University of Alberta
The application of remote sensing and digital landform modelling to mineral exploration in the Wheaton and Klondike Districts
4. Alain Plouffe - Carleton University
Feasibility of drift prospecting for gold in the Tintina Trench, near Ross River
5. John Dickie - Dalhousie University
Sedimentology of the Laberge Group near Whitehorse
6. Steve Johnson - University of Alberta
Structural setting of the Aishihik Batholith

Canada-Germany Science and Technology Exchange Program

7. Frank Boettcher - Technical University - Aachen, Germany
Mineralogy of placer gravels in the Klondike District
8. Karl-Heinz Hoyman - Technical University - Aachen, Germany
Lithogeochemistry of bedrock, mineralization & alteration in the Klondike District
9. Ludwig Stroink - Technical University - Aachen, Germany
Physicochemistry of sulphide deposits in the Rancheria District

Staff Publications

- Abbott, J.G., 1987. Epigenetic mineral deposits of the Ketzá-Seagull district, Yukon; in Yukon Geology Volume 1, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 56-66.
- Abbott, J.G., 1987. Geology of the Plata-Inca Property, Yukon; in Yukon Geology Volume 1, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 109-112.
- Gordey, S.P., Abbott, J.G., Tempelman-Kluit, D.J., and Gabrielse, H., 1987. "Antler" clastics in the Canadian Cordillera; Geology, Vol. 15, p. 103-107.
- Morin, J.A., editor, 1987. "Mineral Deposits of the Northern Cordillera"; CIM Special Vol. 37, 378 p.
- Morin, J.A. and Emond, D.S. editors. 1986. Yukon Geology, Volume 1; Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, 175 p.

Morison, S.R., 1987. Sedimentology of the White Channel Gravels, Klondike Area: Fluvial deposits of a confined valley; in Proceedings of the Third International Conference on Fluvial Sedimentology, Fort Collins Colorado, SEPM Spec. Pub., Recent Developments in Fluvial Sedimentology, p. 205-216.

Morison, S.R. and Smith, C.A.S., editors, 1987. Quaternary Research in Yukon, 12th Congress of the International Union for Quaternary Research (INQUA), Excursions A20a and A20b; 110 p.

CANADA/YUKON ECONOMIC DEVELOPMENT AGREEMENT (EDA) -
MINERAL RESOURCE SUBAGREEMENT

Program 1 - Geological Mapping

Reports Released

EGSD O.F. 1987-1 "Geology of Sab Lake (105 B 7) and Meister Lake (105 B 8) map areas" by S.G. Amukun and G.W. Lowey

EGSD O.F. 1987-2 "Geology of Mount Nansen (115 I 3) and Stoddart Creek (115 I 6) map areas, Dawson Range, central Yukon" by G. Carlson.

EGSD O.F. 1987-3 "Geology of Colorado Creek (115 J 10), Selwyn River (115 J 9), and Prospector Mountain (115 I 5) map areas, western Dawson Range, central Yukon" by J.G. Payne, R.A. Gonzales, K. Akhurst, and W.G. Sisson.

Fieldwork

Al Doherty and Craig Hart, Aurum Geological Consultants; Whitehorse Project (105 D 3, 6)

Don Murphy and Francoise Goutier, Tesso International Consulting Co.; Rancheria Project (105 B 7, 8)

Program 2 - Geochemical Surveys (Administered by Geological Survey of Canada

Released

GSC O.F. 1362 NTS 115 G&F (east half) Kluane Lake

GSC O.F. 1363 NTS 115 J&K (east half) Snag

GSC O.F. 1364 NTS 115 N&O (east half) Stewart River

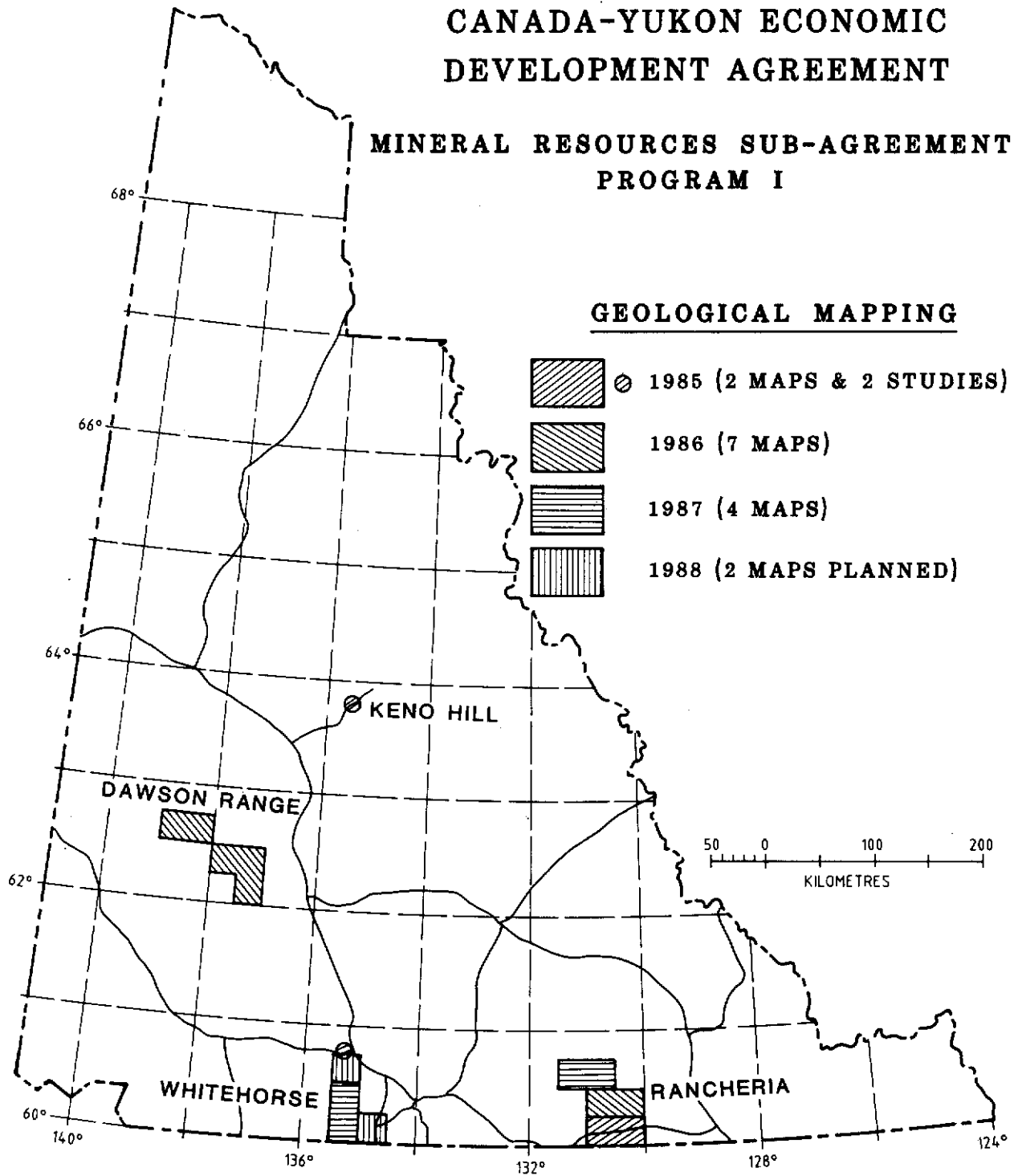
Fieldwork

Map sheets 105 G, 105 H, 105 M (north half), 115 P

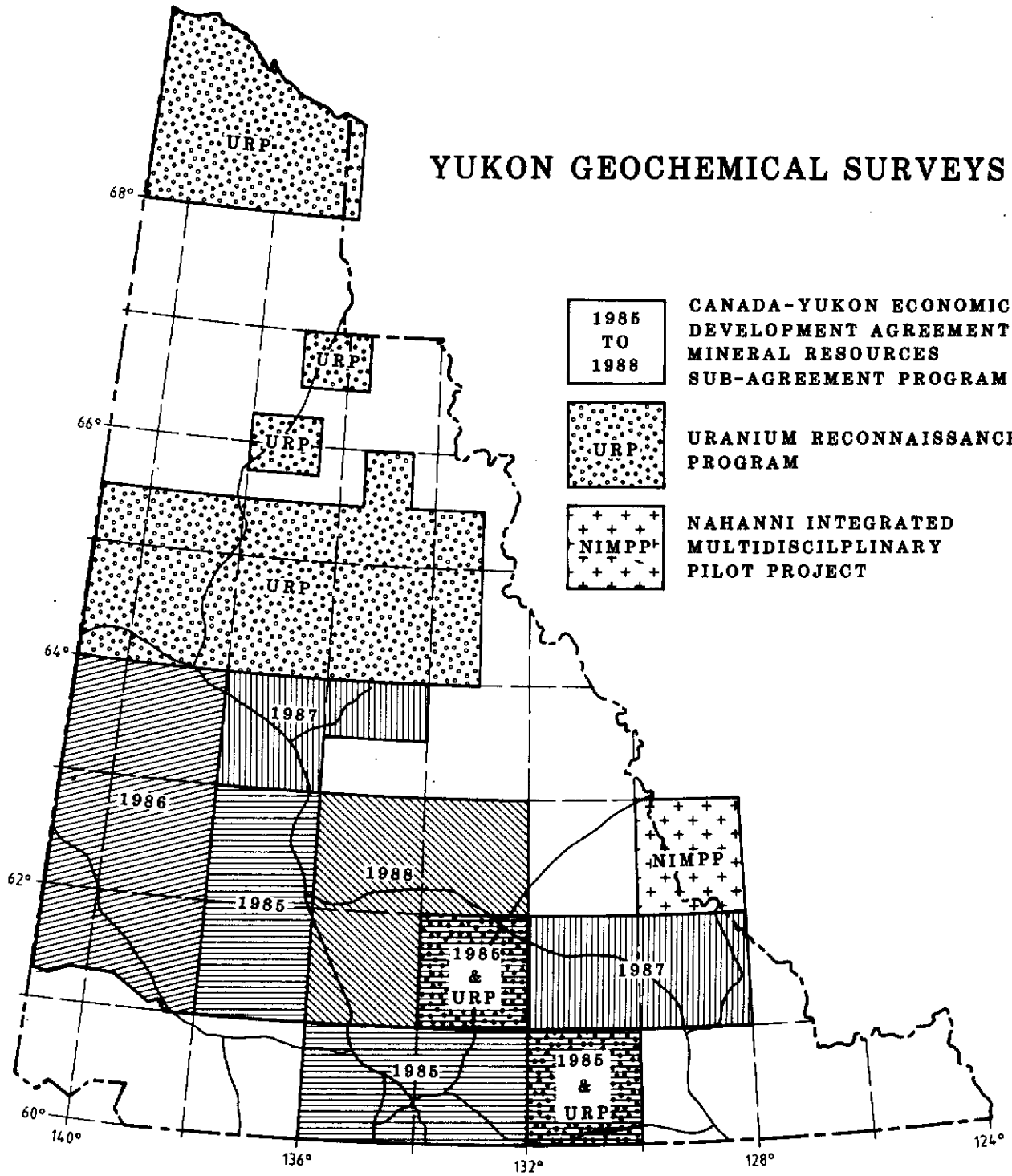
CANADA-YUKON ECONOMIC DEVELOPMENT AGREEMENT

MINERAL RESOURCES SUB-AGREEMENT PROGRAM I

GEOLOGICAL MAPPING



YUKON GEOCHEMICAL SURVEYS



**SUMMARY OF PROSPECTOR'S ASSISTANCE AND
EXPLORATION INCENTIVES PROGRAM,
YUKON GOVERNMENT**

During the last two years, the Yukon government has made \$2.25 million in incentive funding available to the mining industry, through two programs. The Prospectors' Assistance Program contributes up to \$5,500.00 toward the travelling and operational expenses of qualified individuals carrying out prospecting activities in the Yukon. The Exploration Incentives Program provides a 25 percent rebate of eligible expenditures for approved exploration projects carried out on valid mineral properties in Yukon. The contribution is limited to \$50,000 per year, to a maximum of \$100,000 per property. Applications are reviewed by a committee of Yukon government and DIAND representatives. A summary of the 1987 EIP projects is on the following page.

1987 EXPLORATION INCENTIVES PROGRAM SUMMARY

NAME	PROPERTY	NTS	COMMITMENT
COAL PROJECTS			
Whitehorse Coal Corporation	WHITEHORSE COAL	105D11	17,497.12
		Subtotal	\$17,497.12
PLACER PROJECTS			
Cal-Denver Resources Limited	DOMINION CREEK	116C07	50,000.00
Thirteen Mile Resources	THIRTEENMILE CK	115010	50,000.00
Forty-Mile	FORTYMILE RIVER	115N09	50,000.00
Berglynn	KLONDIKE	116B03	33,500.00
ICP Limited	INDEPENDENCE CK.	115014	30,000.00
Queenstake Resources Limited	MAISY MAY	115007	19,243.75
Konservative Placers	BEAR CREEK	115P09	15,250.00
Rivest Brothers Enterprises	MONTANA CREEK	115011	13,375.00
Moosehorn Exploration Program Limited Partnership	NORTH FORK	115N02	7,500.00
		Subtotal	\$268,868.75
HARDROCK(QUARTZ) PROJECTS			
Fairfield Minerals Limited	RAM	105F10	50,000.00
Springmount Operating Company Limited	THUNDERBIRD	95D12	50,000.00
Silverquest Resources Limited	PIKE	105F10	50,000.00
Omni	SKUKUM CREEK	115011	50,000.00
Nordac Mining Corporation	REVENUE	115I06	50,000.00
Yukon Minerals Corporation	JEFF	115I03	50,000.00
Island	CHARLESTON	105M14	50,000.00
All-North Resources Limited	WELLGREEN	115G05	50,000.00
Aurchem Exploration Limited	GOULTER	115I03	50,000.00
Volcano Resources Corporation	McKINNON CREEK	115011	50,000.00
N.D.U. Resources Limited	PIGLET	106E01	50,000.00
Pak-Man Resources Inc.	BARNY	115G05	42,500.00
Morengo Resources Inc.	QUEEN	105A15	38,275.00
Rockridge Mining Corporation	CANALASK	115F15	37,500.00
2001 Resource Industries Limited	KLU	115G06	37,500.00
Silver Sabre Resources Limited	BEE	105D14	18,125.00
Canada Tungsten Mining Corporation Limited	DUBLIN GULCH	106D04	10,890.00
Moosehorn Exploration Program Limited Partnership	REEF	115N02	10,000.00
Midas Exploration	MIDAS	105E11	7,500.00
Autec Resources Limited	DOWS	115I03	1,050.00
		Subtotal	\$753,340.00