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# YUKON EXPLORATION 1987

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Canada

On the Cover: A highlight of the 1987 mineral exploration season in Yukon was underground exploration of the Kuhn and Rainbow Zones on Omni Resources' Skukum Creek property in the Wheaton River District. Current reserves stand at approximately 546 000 tonnes grading 13.4 g/t Au equivalent (8.4 g/t Au and 274.0 g/t Ag).

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Programme des Affaires du Nord  
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200 Range Road  
Whitehorse, Yukon  
Y1A 3V1

**YUKON EXPLORATION 1987**

Exploration and Geological Services Division  
Mineral Resources Directorate  
Northern Affairs Program  
Yukon Region  
Indian and Northern Affairs Canada

Whitehorse, Yukon

Minister of Supply and Services Canada 1987.  
Available by mail from Canadian Government  
Publishing Centre, Supply and Services  
Canada, Ottawa, K1A 0S9, or through other  
booksellers.

Catalogue No. R71-41/1987E  
ISBN 0-660-13032-7

Price Canada: \$15.00  
Price other countries: \$18.00  
Price subject to change without notice.

Published under the authority of the Hon.  
Bill McKnight, P.C., M.P.,  
Minister of Indian Affairs and Northern  
Development, Whitehorse, 1987.  
QS-Y047-000-EE-A1

It is recommended that reference to this report be made in the  
following form:

INAC, (1988). Yukon Exploration 1987; Exploration and Geological  
Services Division, Yukon, Indian and Northern Affairs Canada.

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MINIÈRES AU YUKON EN 1987

DIRECTION DES RESSOURCES MINÉRALES  
PROGRAMME DES AFFAIRES DU NORD, YUKON  
MINISTÈRE DES AFFAIRES INDIENNES ET DU NORD CANADIEN

EXPLOITATION ET MISE EN VALEUR DE FILONS DE MINÉRAI

Avec la hausse des prix des métaux, trois mines du Yukon ont connu une année rentable. La Curragh Resources Corp. a exploité le zinc et le plomb de la mine à ciel ouvert Faro, la United Keno Hill Mines Ltd. a exploité des filons souterrains de minerai à haute teneur d'argent et de plomb et la Mount Skukum Gold Mining Corp. Ltd. a exploité des filons souterrains d'or. En outre, la Dawson Eldorado Mines Ltd. a amélioré la qualité de quelques tonnes de roches minéralisées provenant de la propriété PLATA-INCA. La mise en valeur souterraine et la construction d'un camp sur la propriété aurifère de la rivière KETZA, de la Canamax Resources Inc. et de la Pacific Trans-Ocean Resources Ltd. progressent rapidement; la production doit commencer en juin 1988.

La mine de zinc et de plomb (et d'argent) de FARO

La mine, qui a été rouverte en janvier 1986 après une fermeture de trois ans, employait presque 500 personnes en 1987 (mis à part les exploitants). La production de la Curragh Resources Corp. de 1987 dépassait 4,5 millions de tonnes de minerai titrant 3,31 % g/t de plomb, 4,93 g/t de zinc et 39,46 g/t d'argent qui provenaient du gisement de classe mondiale Faro. Par rapport à 1981, sa production a augmenté de 50 %, atteignant jusqu'à 12 300 tonnes par jour. Les coûts de production sont d'environ 65,60 \$ la tonne de concentré, soit près de la moitié des coûts de 1981. La production de concentré est d'environ 500 tonnes de plomb et 1 100 tonnes de zinc par jour, avec des teneurs de 62 % et de 50 % respectivement.

La Curragh Resources Corp. a un nouveau partenaire australien depuis le 1<sup>er</sup> juin. La société Giant Resources Ltd., la branche des ressources naturelles de la société Ariadne Australia Ltd., possède maintenant 46 % des intérêts de la Curragh (la Curragh détient les autres 54 %). Ceci comprend la mine Faro, les gisements du plateau de Vangorda et le gisement de zinc et de plomb de Cirque dans le nord de la Colombie-Britannique. Selon M. Clifford Frame, directeur des Services généraux de la société Curragh, cette nouvelle relation avec l'important groupe australien a accru la latitude financière et la stabilité de la société par l'apport d'un capital de roulement supplémentaire et par une importante réduction de sa dette à long terme. Ainsi, la société Curragh a pu rembourser sa dette de 130 millions de dollars à la Cyprus Anvil Mining Corporation et son emprunt de 15 millions aux banques. Pour les trois à quatre prochaines années, on a prévu une somme de quatre-vingt-dix millions de dollars pour mettre en valeur les gisements minéraux de GRUM et de VANGORDA sur le plateau de Vangorda. Ces gisements remplaceront celui de Faro qui sera épuisé d'ici quatre ans. La mine injectera 1,4 milliard de dollars dans l'économie du Yukon au cours des onze prochaines années. Les activités actuelles sur les gisements de VANGORDA et de GRUM comprennent des travaux importants d'exploration et de forage

géotechnique. Le gisement de GRUM qui a des réserves d'environ 40 millions de tonnes de minerai titrant 9 % de plomb et de zinc combinés, doit produire en 1989. Celui de VANGORDA contient environ 6,3 millions de tonnes de minerai d'une teneur semblable.

Les mines de plomb, d'argent et de zinc de la UNITED KENO HILL

À la fin de 1986, les réserves de roches minéralisées étaient de 173 100 tonnes titrant 953 g/t d'argent et 4,3 % de plomb (rapport annuel de la UKHM Ltd.). Vers la fin de 1987, la United Keno Hill Mines Ltd. avait traité plus de 78 000 tonnes de roches minéralisées contenant approximativement 43 millions de grammes d'argent, 1,3 million de kilogrammes de plomb et 227 000 kg de zinc. Les roches minéralisées provenaient principalement de cinq exploitations souterraines, soit HUSKY, HUSKY SW, ELSA, NO CASH et KENO 700, et des deux mines à ciel ouvert BLACK CAP et ONEK. Le travail de mise en valeur a continué dans les galeries d'accès de SILVER KING, de BELLEKENO et de LUCKY QUEEN. Les travaux de mise en valeur et d'exploration comprenaient du forage à percussion sous terre et en surface, du forage au diamant et le percement de tunnels verticaux et horizontaux. La production de la mine SILVER KING a commencé en octobre. La United Keno Hill Mines Ltd. emploie approximativement 200 personnes, et cette année, ses mineurs syndiqués ont signé un contrat de trois ans.

La mine d'or du mont SKUKUM

En 1987, la Mount Skukum Gold Mining Corp. a produit, dans la zone de Cirque, plus de 95 000 tonnes de minerai traité recelant plus de 1,5 million de grammes d'or. Une galerie d'accès a été percée jusqu'aux zones Brandy et Lake, qui ont été explorées par forage au diamant souterrain et à partir de la surface. Les zones Brandy et Lake ont des réserves combinées de 94 900 tonnes de minerai titrant 16 g/t d'or. La mine emploie 90 personnes.

La mine de plomb et d'argent de PLATA-INCA

La Dawson Eldorado Mines Ltd. a exploité 114 tonnes de roches minéralisées d'une teneur de près de 6 900 g/t d'argent. Environ 74 tonnes provenaient du filon n° 6 de Plata et 40 tonnes du filon n° 4. L'entreprise a employé en moyenne 10 personnes de juillet à octobre.

Le gisement d'or de la rivière KETZA

À la fin de 1986, les réserves de minerai oxydé des zones Peel et Ridge s'élevaient à 500 000 tonnes titrant 18 g/t d'or. Il est possible qu'il y ait aussi 75 000 autres tonnes d'une teneur de 13 g/t d'or dans la zone Break, qui est située à 400 m à l'est des zones Peel et Ridge. Des intersections de forage, atteignant jusqu'à 7 m, présentaient du minerai qui titrait 34 g/t d'or.

La Canamax Resources Inc. et la Pacific Trans-Ocean Resources Ltd. ont approuvé la construction d'une mine à la fin de mars. Le permis d'utilisation de l'eau a été octroyé le 12 mai par le Conseil des eaux territoriales du Yukon. Les coûts en capital sont estimés à 21,5 millions de dollars, dont 18,5 millions pour la construction et l'achat d'équipement, et 3 millions pour les frais de démarrage. L'exploitation sera faite par havage au mur et par remplissage. Le taux de production de l'usine sera de 320 tonnes par jour au début, puis passera à 450 tonnes avec des modifications mineures. Le taux



annuel de production est estimé à 1,5 million de grammes ou 112 000 tonnes. La construction de la mine doit être achevée au début de 1988, et la mine est sensée commencer à produire en juin 1988. La société emploie au total 115 personnes, dont 15 employés de la Canamax et 100 contractants.

#### CHARBON

La mine de charbon de WHISKEY LAKE

Selon les estimations, la Nadshini Mining Corp., de Ross River, a produit 20 000 tonnes de charbon bitumineux pour alimenter le sécheur de concentré de l'usine de Faro. Plus de 730 m de forage à injection inverse a été fait en septembre pour prouver l'existence des réserves pour la saison suivante.

#### EXPLOITATION DES PLACERS

L'industrie de l'exploitation des placers a été saine et très active en 1987. Selon les registres des redevances, la production d'or de placers jusqu'au 31 décembre 1987 a été de 4 130 450 g (132 797 oz brutes), la plus forte production enregistrée depuis 1917 (selon M. G. Gilbert). Les chiffres de production sont établis d'après les redevances déclarées sur tout l'or exporté du territoire, qui sont calculées à 37,5 cents l'once brute. Les chiffres de production sont donc des valeurs minimales, étant donné que tout l'or de placer du Yukon n'est pas exporté. Le jalonnement a aussi augmenté : 1 958 nouveaux claims et 380 nouvelles concessions (de 1 à 5 milles de long) avaient été jalonnés au 31 décembre 1987. Il est intéressant de noter que le total des terrains jalonnés contenant des placers (incluant des concessions pour de la prospection) équivalent à peu près à 25 186 claims. Ce chiffre est comparable au total approximatif de 18 000 claims de placers enregistrés pendant la fiévreuse ruée vers l'or de 1898 (selon B. Baxter).

Toutes les zones traditionnelles d'exploitation minière de placers produisaient en 1987 (voir carte), et la majeure partie de la production provenait des régions du Klondike, d'Indian River et de Sixtymile River. Le nombre de mines de placers en production est estimé à 200. La liste qui suit décrit les aspects de certaines des entreprises minières actives les plus importantes.

L'entreprise en participation de Granville, qui est dirigée par la Teck Corporation, a commencé à produire au ruisseau Gold Run dans la région du Klondike. Elle a récupéré 208 200 g (6 695 oz brutes) d'or, décapé 317 540 m<sup>3</sup> (415 090 v<sup>3</sup>) de gravier résiduel, et lavé à grande eau 101 700 m<sup>3</sup> (132 900 v<sup>3</sup>) de gravier exploitable (d'après G. Klein).

La White Channel Underground Mining Ltd. a exploité 65 000 m<sup>3</sup> (85 000 v<sup>3</sup>) de gravier exploitable du front de taille des opérations souterraines de la Jackson Cut (colline Lovett) dans la région du Klondike. Le sous-sol a été exploité de novembre 1986 à février 1987, avec un maximum de 16 employés (selon J. Simcox).

La Miben Mining, sur le côté sud de la colline Dago, dans la région du Klondike, a traité au total 126 000 m<sup>3</sup> (165 000 v<sup>3</sup>) de gravier exploitable non consolidé. Elle a exploité les 5 à 6 mètres inférieurs des graviers se trouvant au-dessus de la roche de fond et environ 0,5 m dans la roche de fond (d'après M. Stutter).

La région de la rivière Indian, en aval de l'embouchure du ruisseau Quartz, a un niveau d'activité semblable à celui de 1986. Elle continue d'être un important bassin de drainage producteur dans la région du Klondike.

La Queenstake Resources Ltd. a utilisé la dragueuse sur le ruisseau Clear. Toutefois, à cause des faibles teneurs en or du minerai, on a mis fin au programme de dragage, et le démantèlement des installations a commencé cet automne. Le programme de remise en état doit être achevé en 1988.

Au ruisseau Black Hill, on a utilisé pour la première fois un appareil en forme d'auge à crible rotatif avec un volume d'alimentation de 92 m<sup>3</sup> (120 v<sup>3</sup>) l'heure. On s'attend à ce qu'en 1988, la production augmente au fur et à mesure que seront exploitées des réserves d'une teneur plus élevée. Un programme d'échantillonnage en vrac sera fait en aval sur les réserves de minerai de teneurs plus faibles dans le cadre d'une stratégie d'exploitation minière complète établie pour cette propriété.

Au ruisseau Maisy May, la teneur continue à s'améliorer. Un appareil en forme d'auge à crible rotatif avec une capacité d'alimentation de 115 m<sup>3</sup> (150 v<sup>3</sup>) l'heure sera probablement utilisé en 1988.

Le tableau suivant est un sommaire des statistiques sur la production de la saison d'exploitation minière de 1987 (selon, G. Gutrath).

Ruisseau	Volume (en v <sup>3</sup> )	Teneur (oz fine/v <sup>3</sup> )	Récupéré (oz fine)	Coût approx. (la v <sup>3</sup> )	Découverteure 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

La Ross Mining Services, au bas du ruisseau Dominion, a déplacé 570 000 m<sup>3</sup> estimatifs (750 000 v<sup>3</sup>) à la fois de gravier exploitable et de gravier stérile en utilisant deux camions à chenilles de 769-35 tonnes de roches, et a employé un maximum de 9 personnes (selon N. Ross).

La société Eldorado Placers sur la rivière Sixtymile a dragué 240 000 m<sup>3</sup> (310 000 v<sup>3</sup>) et extrait jusqu'à 210 000 m<sup>3</sup> (280 000 v<sup>3</sup>) de gravier. Elle a exploité 2,0 m d'épaisseur de la zone exploitable dans le gravier et jusqu'à 10 m de la roche de fond (selon G. Hakonson).

La Société Klondike Underground Mining, au ruisseau Miller dans la région de Sixtymile, a passé la majeure partie de l'hiver de 1986-1987 à creuser une nouvelle galerie d'accès. Elle a exploité approximativement 5 000 m<sup>3</sup> (6 500 v<sup>3</sup>) à la fois de gravier exploitable et de gravier stérile; elle avait 6 employés pendant les mois d'hiver et 4 pendant les mois d'été (selon J. Jansen).

#### TRAVAUX DE PROSPECTION

En 1987, l'attrait combiné du financement par actions accréditives et de la hausse des prix des métaux s'est traduit au Yukon, par une dépense d'un

montant jamais atteint de 40 à 45 millions de dollars en prospection (voir tableau). On cherchait à déceler la présence d'or, d'argent, de platine et de zinc. Presque tous les travaux avancés ont été faits sur des gisements connus, et la prospection des couches superficielles a été minime. On a pu délimiter d'importantes nouvelles réserves dans les filons d'or et d'argent de SKUKUM CREEK (mont REID) du district de Wheaton, dans le gisement de zinc de LOGAN près de Rancheria, dans le filon d'or et d'argent de PLATA n° 4 au nord de la rivière Ross, dans le gisement de platine, de cuivre et de nickel de WELLGREEN dans les chaînons de Klouane, dans la zone aurifère de BREAK de la rivière Ketzka et dans la mine BELLEKENO de la colline Keno (voir carte). Des résultats encourageants proviennent d'un certain nombre d'autres gîtes possibles.

La plupart des gîtes d'or, d'argent et de zinc visés sont associés à des intrusions neutres et felsiques du crétacé et du début du tertiaire, qui sont éparpillées dans tout le sud du Yukon. La plus grande partie de la platine est associée à des filons-couches ultramafiques du trias qui parcourent les chaînons de Klouane situés dans le sud-ouest du Yukon.

#### RIVIÈRE WHEATON - DISTRICT DE LA MONTAGNE MONTANA

La prospection a continué pour la recherche de filons épithermaux de carbonate et de quartz aurifères et argentifères et de brèches, ainsi que de filons de quartz riches en sulfures mésothermaux. Les filons sont associés à des dykes felsiques et se trouvent le long de failles qui coupent à la fois des complexes volcaniques felsiques et des complexes neutres de l'éocène, des roches du crétacé moyen et du soubassement plus ancien dans le district de Wheaton et des andésites du crétacé supérieur, dans la montagne Montana. La plupart des travaux, qui comprennent au total 18 500 m de forage au diamant, ont été faits sur trois propriétés au mont Skukum ou près de celui-ci (MINE DU MONT SKUKUM, RUISSEAU SKUKUM [MONT REID], MONT STEVENS). Le percement des galeries d'exploration et le forage souterrain et de surface fait par la Omni, sur la propriété du ruisseau SKUKUM (mont REID), a augmenté les réserves dans les zones de Rainbow et de Kuhn jusqu'à un montant estimatif de 546 000 tonnes de minerai d'une teneur équivalente de 13,4 g/t d'or. Les réserves sont potentiellement plus importantes. La société prévoit travailler tout l'hiver et faire deux forages pendant la saison et elle espère achever cette année une étude de faisabilité. Au moins treize autres gîtes possibles du district ont été explorés par les sociétés Omni Resources Inc., Berglynn Resources Ltd., United Keno Hill Mines Ltd., All North Resources Ltd., Kerr Addison Mines Ltd., Pacific Trans-Ocean Resources Ltd. et Sirius Resources Ltd.

#### CHAÎNONS DE DAWSON

Des filons mésothermaux et épithermaux aurifères et argentifères sont associés à de l'altération d'argile, à des failles et à de la bréchification d'intrusions porphyriques feldspathiques cuprifères du crétacé. La région a été très active, ayant cinq programmes de forage et plusieurs tranchées près du mont Nansen, sur le mont Freegold et le long du ruisseau Big. Les filons sont oxydés de façon variable jusqu'à des profondeurs atteignant 115 m au mont Nansen, et 244 m à Casino. Il en résulte que l'enrichissement supergène est fréquent et que les lixiviations cyanurées en tas et en bacs sont possibles.

Les sociétés Chevron Resources et BYG Resources ont fait d'autres travaux au mont Nansen, près de la zone de Brown-McDade où les réserves sont actuellement

estimées à 727 000 tonnes d'une teneur de 7,9 g/t d'or et de 62 à 103 g/t d'argent. Au total, 1 048 m ont été forés dans les zones proches de FLEX et de WEBBER, où la meilleure intersection contenait du minerai d'une teneur de 20,6 g/t d'or sur 1,8 m. De même, dans la région du mont Nansen, la Chesbar Resources Inc. et la States Exploration ont déclaré avoir découvert une intersection de forage de 1,6 m, dont tout le minerai était d'une teneur de 14,7 g/t d'or, sur la propriété VIC. La Aurchem Exploration a foré une série de filons minces de quartz et de calcite aurifères, sur la propriété GOULTER.

Sur le mont Freegold, la Nordac a creusé des tranchées sur les propriétés ANTONIUK et GOLDSTAR. Sur la propriété GOLDSTAR, une tranchée recoupant le filon MARGARETTE a révélé des teneurs de 9,8 g/t d'or et de 96 g/t d'argent sur 22 m. Une tranchée de 850 m de long, près de l'ancienne manifestation AUGUSTA, a révélé un prolongement possible du filon MARGARETTE dont la teneur est de 366 g/t d'or sur 5 m. Toutefois, le forage sous la tranchée n'a permis de rencontrer que des teneurs atteignant 18,8 g/t d'or et 98,0 g/t d'argent sur 1,1 m. En outre, près du mont Freegold, la Noranda a creusé des tranchées et foré sur la EMMONS'S HILL; elle a aussi creusé des tranchées sur leur option PINESOL. La Dominion Explorers a creusé des tranchées sur la manifestation de GOLDY, et la Shakwak a foré le prolongement faillé du filon de LAFORMA.

Le long du côté ouest du ruisseau Big, la Nordac a ouvert près de 12 km de tranchées, au bulldozer et à l'excavateur, sur les propriétés NUCLEUS et REVENUE. La propriété REVENUE couvre des zones d'intense altération de l'argile et de silicification en direction ENE, qui contiennent des filons aurifères et de petits filons de sulfures massifs contenant localement de fortes teneurs d'or atteignant jusqu'à 90 g/t. Dans une tranchée, on a obtenu des teneurs atteignant 1,6 g/t d'or sur 70 m. Les zones d'altération sont localisées le long de la marge d'un bloc de tuf hétérolithique, qui est faillé au contact d'une granodiorite crétacée plus ancienne contenant du porphyre à cuivre et à molybdène. Au nord-ouest du ruisseau Big, la Noranda a exploré la propriété TAD par forage et par prospection géophysique.

#### DISTRICT DU KLONDIKE

Dans les champs aurifères du Klondike, près de Dawson, la Mark Management a exploré la propriété LONE STAR pour la Arbor Resources et la Dawson Eldorado Mines Ltd. Des teneurs en or atteignant 242,9 g/t ont été obtenues d'un horizon de schiste interprété comme étant une unité volcanogène stratiforme simple. Le forage et les tranchées ont permis de délimiter de très gros tonnages de matériaux à faible teneur qui entourent des couches titrant de 6,9 à 14,7 g/t d'or. Sur la propriété HUNK, la United Keno Hill Mines Ltd. a remis en état, cartographié et échantillonné la galerie d'accès de BEN LEVY, fait un vaste levé géochimique et géophysique et creusé 18 tranchées jusqu'au socle. Les tranchées ont dégagé une série de filons de quartz en échelons contenant de l'or sur une longueur de 1 100 m. Les meilleures teneurs en or étaient en moyenne de 32,2 g/t d'or sur 4 m. Les autres sociétés actives de la région ont été la Volcano Resources Ltd., la Cominco Ltd. et la All North Resources Ltd.

## DISTRICT DE KETZA-SEAGULL

On trouve de l'or et de l'argent dans les minéraux de remplacement de l'oxyde sulfuré du calcaire et de la dolomite et dans des filons fissurés et des zones de brèche. Les gisements sont divisés en zones près des soulèvements de Ketza et de Seagull, deux structures en forme de dômes qui révéleraient deux intrusions enterrées du crétacé moyen. Dans le soulèvement de Ketza, la Canamax a fait de vastes levés géophysiques aériens et au sol, dressé des cartes détaillées, effectué des travaux de géochimie et des travaux de forage sur une longueur de près de 11 000 m, sur 8 cibles d'or et d'argent. Les réserves géologiques indiquées par forage ont été délimitées dans cinq zones. Les résultats les plus spectaculaires ont été obtenus dans la zone Break, située à 1 300 m à l'est des gisements de Peel et de Ridge, où une des intersections à teneur des plus élevées a produit 23,56 g/t d'or sur 5,9 m. Dans le filon QB, qui fait partie de la zone Shamrock, 18 des 28 trous ont recoupé d'importantes teneurs en or, dont 10,97 g/t d'or sur 7,6 m. La Golden Pavillion Resources Ltd. et la Mountain Province Mining Inc. ont aussi effectué des travaux dans le soulèvement de Ketza. Dans le soulèvement de Seagull, la Fairfield Minerals Ltd. a continué à explorer la grande propriété RAM en la cartographiant et en faisant des études géochimiques et géophysiques. De nombreux filons de quartz polymétalliques et des lentilles sulfurées massives, dont quelques-unes sont aurifères, se trouvent sous la propriété. La Yukon Minerals Corp. a dirigé d'importants travaux de construction de routes et de creusement de tranchées au bulldozer sur de nombreux petits filons à forte teneur en argent, à la source du ruisseau Groundhog. La Cominco Ltd. a foré 11 trous sur la propriété TAY (LP) où l'on trouve de l'or avec de la pyrrhotine et de la pyrite dans un schiste et un skarn.

## DISTRICT DE LA COLLINE KENO

La United Keno Hill Mines Ltd. a exploré les propriétés READY CASH, CHIEF, TARGET O (CHANCE), KLONDIKE KENO, ANTHONY et KENO n° 6 et KENO n° 14 par forage rotary à partir de la surface, et les propriétés BELLEKENO, LUCKY QUEEN et SILVER KING, par des galeries d'accès d'exploration, des galeries horizontales, des montages et du forage au diamant souterrain. Une autre nouvelle zone minéralisée importante de haute teneur est indiquée dans la mine BELLEKENO, où la galerie horizontale, au niveau 600, a pénétré dans 41 m qui présentaient une teneur vraie moyenne, prise sur une largeur d'exploitation minière minimale, de 1910 g/t d'argent, sur 1,9 m. Dans la mine SILVER KING, le forage au diamant et le percement des galeries ont indiqué d'importants nouveaux minerais ayant en moyenne une teneur vraie, prise par rapport à une largeur d'exploitation minière minimale, de 1 750 g/t d'argent, sur 1,5 m. Au nord-est de la colline Keno, sur la propriété CLARK, la NDU Resources and Archer Cathro and Associates ont foré un gisement horizontal contenant de l'argent, du plomb et du zinc dans un calcaire du cambrien inférieur. Une minéralisation a été constatée dans cinq des six forages; elle présentait une teneur moyenne pondérée de 273 g/t d'argent, de 6,5 % de plomb et de 9,3 % de zinc, sur 1,8 m.

## RIVIÈRE HESS

La Dawson Eldorado Mines Ltd. et la Pacific Trans Ocean Resources Ltd. ont foré le filon PLATA n° 4 et délimité des réserves possibles de 450 000 tonnes de minerai d'une teneur de 4 à 8 g/t d'or et de 340 à 690 g/t d'argent à une

profondeur inférieure à 60 m. L'épaisseur du filon varie de 0,5 à 4,0 m, et sa longueur moyenne est d'environ 1,5 m.

#### SUD-EST DU YUKON

Au nord et à l'est de Watson Lake, à MEL, le forage par la Novamin a augmenté les réserves de roches minéralisées du gisement stratiforme simple de baryte, de plomb et de zinc à 5,5 millions de tonnes d'une teneur de 8,5 % de plomb et de zinc combinés. Au mont HUNDERE, où le gisement horizontal riche en sphalérite et en galène remplace le calcaire du cambrien inférieur, la Canamax a recoupé une nouvelle zone de minéralisation à forte teneur de plomb, de zinc et d'argent, sur des largeurs significatives dans 6 des 14 forages très espacés. La zone est située à environ 500 m au nord-ouest de la manifestation sud, où 2 200 000 tonnes de minerai d'une teneur de 14,1 % de zinc, de 8,7 % de plomb et de 72 g/t d'argent avaient été auparavant délimitées. Près de Quartz Lake, la Novamin et la NDU Resources, sous option de la Silverquest, ont creusé des tranchées sur des anomalies géochimiques d'or dans une zone de 2 000 m x 300 m, sur la propriété PORKER. Des zones de brèches fortement oxydées, un stockwork et des filons contiennent de la sidérite et du quartz avec de la pyrite, de l'arsénopyrite et, localement, de la jamesonite. Elles sont localisées le long des failles et remplacent des calcaires du cambrien inférieur. Une zone oxydée avait des teneurs aussi élevées que 4,1 g/t d'or sur 6,1 m.

#### DISTRICT DE RANCHERIA

Des filons et des gisements minéralisés horizontaux argentifères sont associés à des failles orientées vers le nord-est et à des dykes felsiques et mafiques du début du tertiaire, que l'on pense être des éléments secondaires de décrochements horizontaux de grande envergure comme le Tintina. Sur la propriété LOGAN, une zone faillée qui coupe une intrusion très altérée du crétacé contient des filons et des zones de brèche de quartz, de carbonate, de sphalérite et, en moindre quantité, de pyrite, de pyrrhotine, d'arsénopyrite, de chalcopryrite et de tétraédrite. La Fairfield Minerals Ltd. et la Getty Resources Ltd. ont augmenté substantiellement les réserves dans la zone principale par rapport à l'année dernière, où elles étaient d'environ 2 700 000 tonnes de minerai d'une teneur de 10 % de zinc et de 34,3 g/t d'argent. La Silver Hart Mines a continué le forage de la zone TM sur la propriété CMC et s'attend à augmenter les réserves actuelles de 60 000 tonnes d'une teneur de 1 371 g/t d'argent. La Pak-Man Resources Ltd. et la 2001 Resources Industries Ltd. ont creusé des tranchées sur plusieurs autres gîtes possibles, dans le district.

#### SILLON DE TINTINA

Près de Ross River, la Golden Nevada et la Noranda ont dirigé de vastes levés géochimiques et géophysiques aériens sur la propriété GREW CREEK où se trouvent un filon ainsi que de l'or et de l'argent, dans un tuf felsique stratiforme simple de l'éocène. Dix-sept forages au diamant ont délimité une zone de roches minéralisées potentielles d'au moins 140 m de long. Neuf des forages ont pénétré une importante minéralisation en or et en argent. La meilleure intersection d'après les rapports faits jusque là est de 11,7 g/t d'or et de 150,9 g/t d'argent, sur 31,4 m. La zone minéralisée est encore inexplorée à l'est.

## CHAÎNONS DE KLOUANE

Les travaux ont été centrés sur la propriété WEEELGREEN, où l'entreprise en participation Kluane a évalué le potentiel en platine d'un filon-couche de péridotite lité qui avait été auparavant exploité pour le nickel et le cuivre. Des levés géophysiques et la cartographie détaillée, le creusement de 10 km de tranchées et le forage au diamant sur 4 932 m ont confirmé que des sulfures massifs et disséminés contenant du platine montraient une distribution bien étendue, mais irrégulière, sur une longueur de 2 km. Une intersection typique dans la zone ouest, située à 1 km à l'ouest des travaux d'exploitation de l'ancienne mine, recelait de minerai d'une teneur de 1,2 g/t de platine, de 0,61 g/t de palladium, de 0,83 % de cuivre, de 0,32 % de nickel, de 0,03 % de cobalt et de 0,27 g/t d'or sur une largeur vraie de 15 m. Des essais minéralogiques et métallurgiques sont actuellement en cours. Les réserves potentielles sont estimées à plus de 14,6 millions de tonnes d'une teneur de plus de 1,54 g/t de Pt/Pd, avec des zones présentant des teneurs plus élevées, en aval-pendage. Des gîtes ultra-mafiques semblables, ailleurs dans les chaînons de Kluane, ont été explorés par la All-North Resources Ltd., la Hudson-Yukon Mining Co. Ltd. et la Pak-Man Resources Ltd.





## YUKON EXPLORATION

### INTRODUCTION

The Government of Canada manages mineral resources in Yukon and Northwest Territories through the Northern Affairs Program of the Department of Indian Affairs and Northern Development. Within the Program three mineral resource directorates exist based in Yellowknife, Northwest Territories, Ottawa-Hull and Whitehorse, Yukon. This volume is prepared by the Exploration and Geological Services Division of the Mineral Resources Directorate, Yukon.

Yukon Exploration 1987 discusses the geology of Yukon mineral deposits and mineral districts under active investigation. The reports are summaries of exploration work done in Yukon mainly during 1986 and 1987 by mineral exploration companies. Some previously undocumented work is also included. This volume follows earlier annual Mineral Industry Reports for Yukon published by the Geological Survey of Canada and by the Department of Indian Affairs and Northern Development, and Yukon Exploration and Geology reports also published by the latter.

Summaries of exploration work in this volume are based on reports submitted to the department for assessment credit by exploration companies. Some of these are amplified by replies to questionnaires sent to exploration companies by the Geology Division, and/or by responses to enquiries of the staff. Each summary has been edited and approved for publication by the company that filed the work. The emphasis in the summaries is on the nature and the results of work done. References to published descriptions of the geology are included.

The geological, geochemical and geophysical reports accepted for credit as assessment work by the Department of Indian Affairs and Northern Development may be of interest to exploration geologists. An index to mining assessment reports, including those that are confidential and those available for inspection, is published by the department. Assessment reports are released for public inspection six months after the claims (on which the work was carried out) have lapsed.

### EXPLORATION AND GEOLOGICAL SERVICES DIVISION

#### SERVICES

The Geology Division sells topographic, geological, aeronautical and land use maps, as well as Geological Survey of Canada publications covering Yukon, adjacent parts of British Columbia and the Northwest Territories. A library of geological texts and journals and G.S.C., B.C. Department of Mines, U.S. federal and Alaska state government geological publications available for consultation. Geological Survey of Canada Open File reports that concern Yukon are available for viewing. Partial air photo coverage of the Yukon from latitude 60° to 65°N is available for consultation in the office. For those wishing more information or to order air photos, a complete set of air photo microfiche as well as the most recent National Air Photo Library catalogue (Yukon) is available for viewing at Energy, Mines and Resources, Surveys and Mapping, Room 208, 204 Range Road (the building next door).

The H.S. Bostock Core Library, across the street from the Geology Division, contains drill core from Yukon mining properties. Some core is available for inspection and some is confidential (an up-to-date listing is included in this report). The core library contains working quarters equipped with diamond saws, a core splitter, rock staining facilities and fume hood. A

petrographic microscope with capability for transmitted and reflected light, and a binocular microscope are also situated in the Core Library. The equipment and instruments are available for use by industry personnel in the Core Library by arrangement with the Map Sales supervisor.

The Mineral Rights Division of Northern Affairs, located in the Federal Building, 4th Ave and Main St, Whitehorse have a complete set of assessment reports for Yukon and Northwest Territories on microfiche available for viewing (and copying).

#### **ACKNOWLEDGEMENTS**

This report stems from the Geology, Drafting and Communications sections of the Northern Affairs Program in Whitehorse. It is an annual publication which owes its existence to the cooperation and support of the mining and exploration industry who supply most of the information. The willing assistance of the contributing companies and individual prospectors in compiling this book is gratefully acknowledged.

Drafting Services personnel provided the mineral occurrence maps, photographic reductions of the tables and lists, and prepared the figures for this publication. The high quality of the maps and figures and the timely release of this volume are due to their efforts, which are also much appreciated. Layout, data transfer and other publication details were coordinated by Communication Services.

## 1987 YUKON MINING AND EXPLORATION OVERVIEW

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

### 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

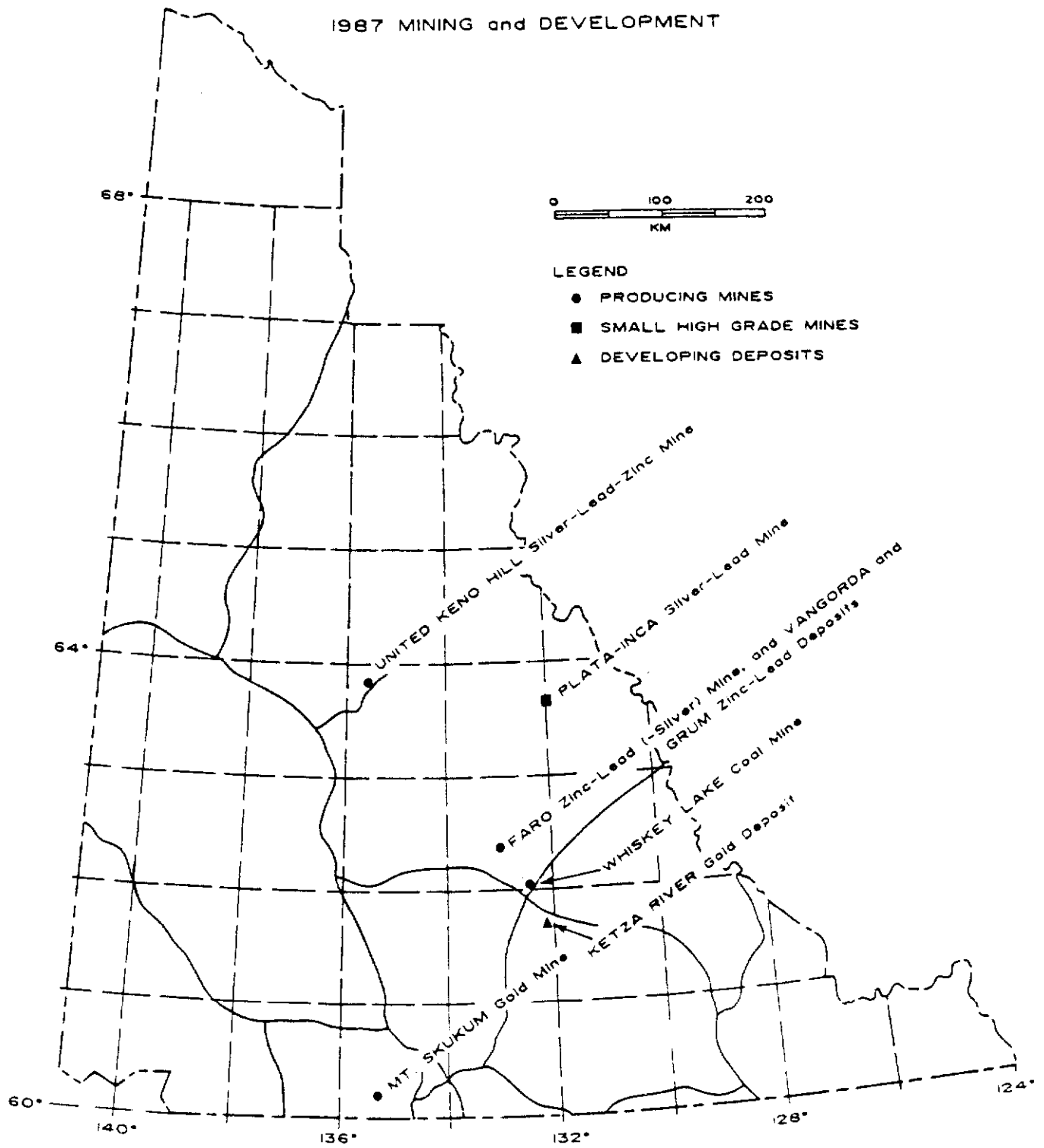
The mine which reopened in January, 1986 after a three year closure employed almost five hundred people in 1987 (not including contractors). Curragh Resources Inc. production for 1987 was over 4.5 million tonnes grading 3.31% g/t lead, 4.93 g/t zinc and 39.46 g/t silver from the world class FARO deposit. Production was up 50% from 1981 levels to 12 300 tonnes per day. 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). By the end of 1987, United Keno Mines Ltd. had milled over 78 thousand tonnes of ore containing approximately 48 million grams silver, 1.3 million kilograms lead and 227 thousand kilograms zinc. Ore was extracted mainly from five underground operations, HUSKY, HUSKY SW, ELSA, NO CASH and KENO 700, and two open pits, BLACK CAP and ONEK. Development work continued on the RUBY underground mine and exploration

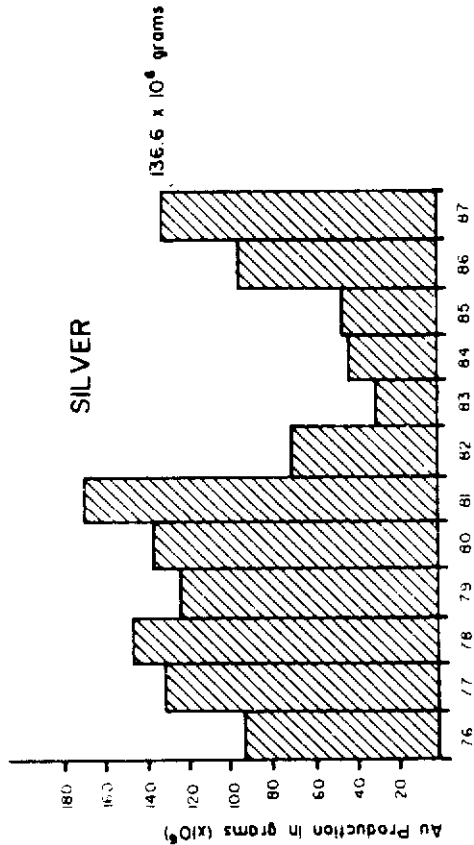
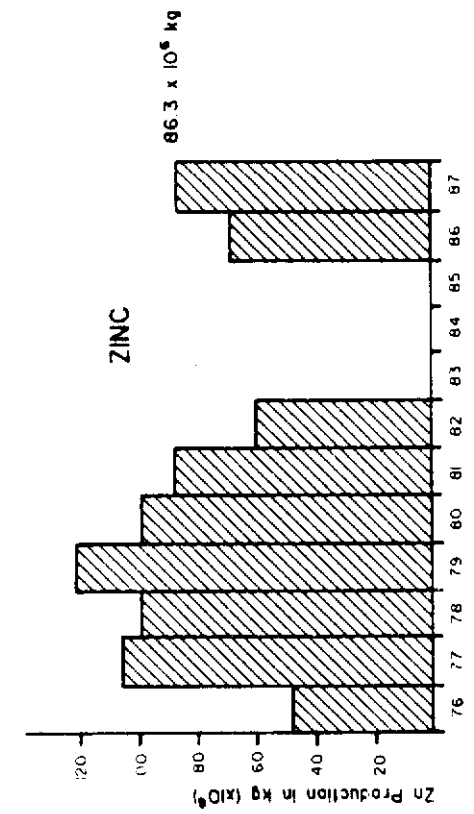
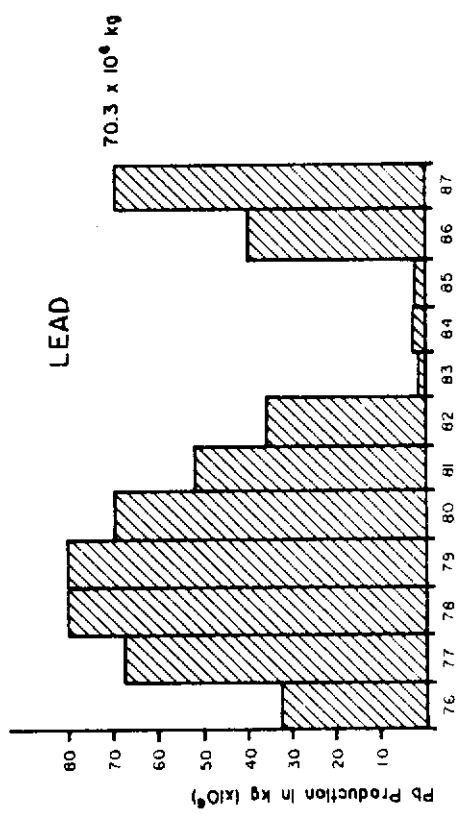
# 1987 MINING and DEVELOPMENT



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	Horiz.	Vert.	Ramping
FARO Mine	Curragh Resources Ltd.	429	4 539 394	0	38 545 000	111 406 000	172 149 000	0	29 334 620	1357						
YANGORDA Property			0	0	0	0	0	0	0	2042						
GRUM Property			0	0	0	0	0	0	0	2194 (est.)						
UNITED KENO HILL Mines	United Keno Hill Mines Ltd.	200	78 791		48 062 560	1 314 645	227 514		9072		8798	846	1219	832	376	1250
Mt. SKUKUM Mine	Mt. Skukum Gold Mining Corp.	90	95 134	1 535 448	not reported	0	0	0	0	11143	0	2513	0	413	420	
WHISKEY LAKE Mine	Nadahini Mining Corp.	8	20 000	0	0	0	0	20 000 000	100 000 m <sup>3</sup>	730						
PLATA-INCA Property	Dawson Eldorado Gold Exploration Co. Ltd.	10	114		857 120					672	0	0	0	430.9	33.4	
KETZA RIVER Property	Canamax Resources Inc.	115	0	0	0	0	0	0	0							

# YUKON METAL PRODUCTION



continued on the SILVER KING, BELLEKENO and LUCKY QUEEN adits. Development and exploration work included surface and underground percussion drilling, underground diamond drilling and vertical and horizontal tunnelling. Production began from the SILVER KING mine in October. United Keno Hill Mines employs approximately 200 people and the unionized mine workers signed a three-year contract this year.

#### MT. SKUKUM Gold Mine

Mt. Skukum Gold Mining Corp. produced over 95 thousand milled tonnes from the Cirque Zone in 1987 containing over 1.5 million grams gold. 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 December 31 was 4 130 450 g (132,797 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 1958 new claims and 380 new leases (from 1 to 5 miles long) staked as of December 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 m<sup>3</sup> (415,090 cubic yards) of waste gravel, and sluiced 101 700 m<sup>3</sup> (132,900 cubic yards) of pay gravel (G. Klein, pers. comm.).

White Channel Underground Mining Ltd. mined 65 000 m<sup>3</sup> (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 m<sup>3</sup> (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-slucice box configuration was used for the first time with a feed volume of 92 m<sup>3</sup> (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-slucice box configuration with a feed capacity of 115 m<sup>3</sup> (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.):

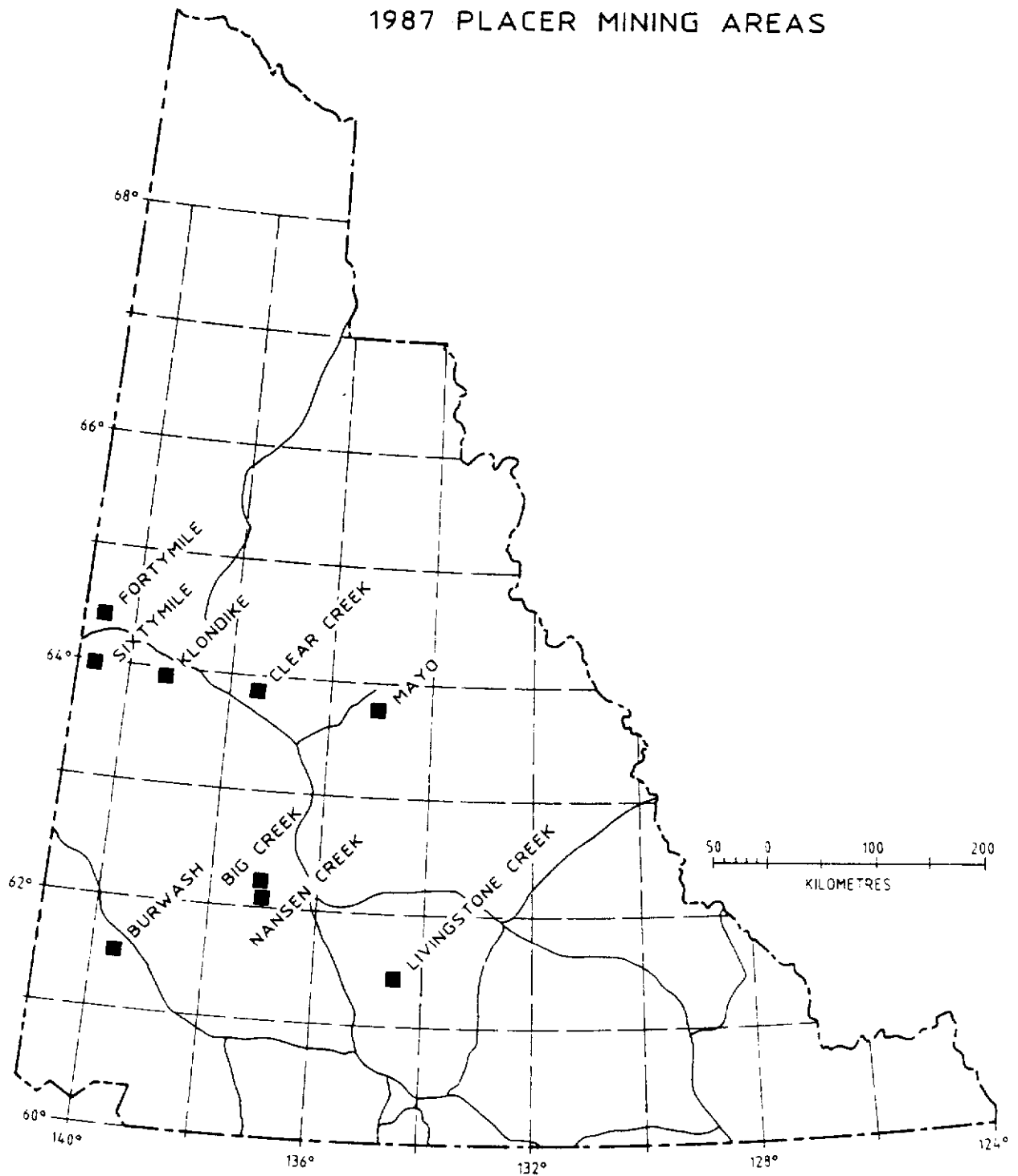
Creek	Volume (cu. yd.)	Grade (fine oz./ cu.yd.)	Recovered (fine ounces)	Approx. Cost (per cu. yd.)	Stripping Ratio
Clear	191,415	0.004	673	\$2.30	-----
Black Hills	254,850	0.007	1770	\$2.80	2.5:1
Maisy May	170,016	0.014	2335	\$4.70	3.5:1

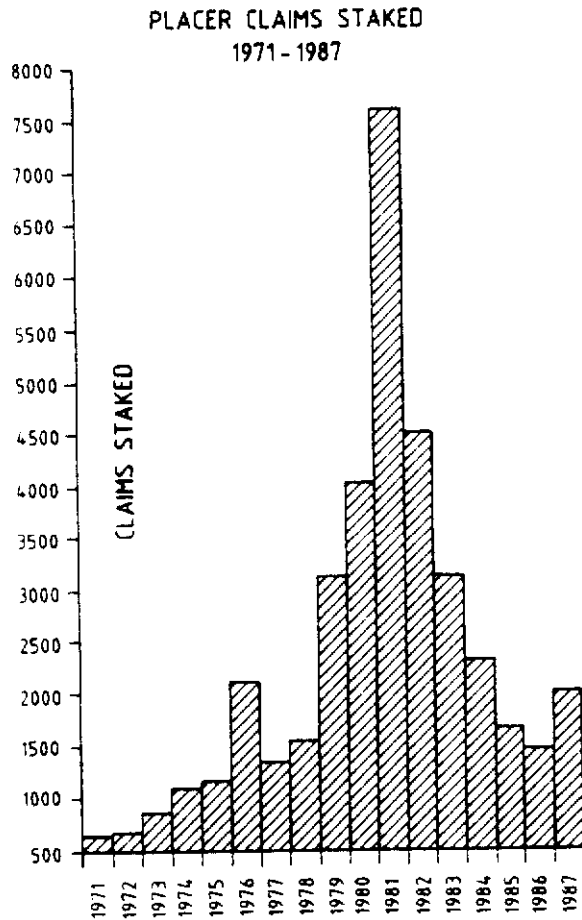
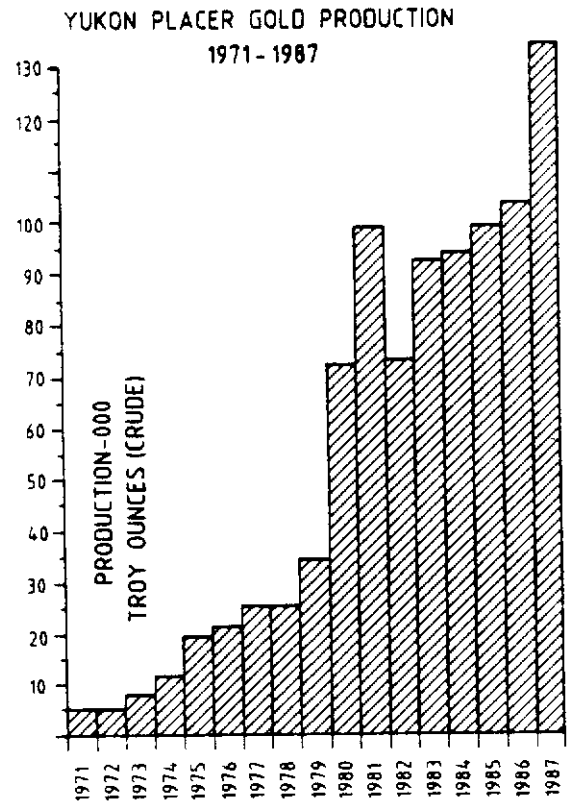
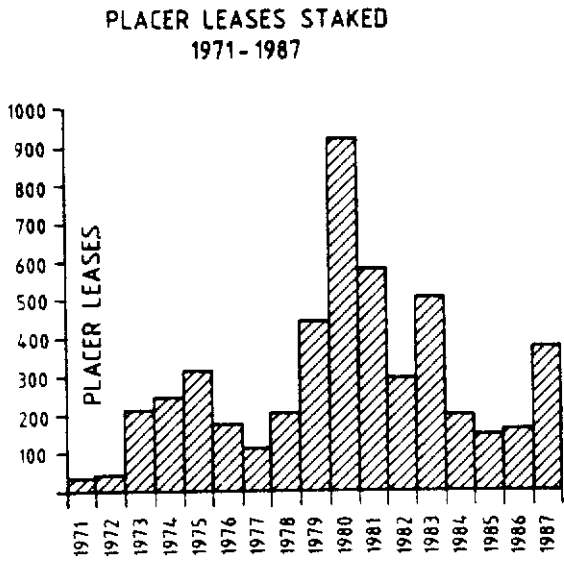
Ross Mining Services on lower Dominion Creek moved an estimated 570 000 m<sup>3</sup> (750,000 cubic yards) of both waste and pay gravel using two caterpillar 769-35 ton rock trucks and employed up to maximum of nine people (N. Ross, pers. comm.).

Eldorado Placers on the Sixtymile River sluiced 240 000 m<sup>3</sup> (310 000 cubic yards) and stripped up to 210 000 m<sup>3</sup> (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 m<sup>3</sup> (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.).

# 1987 PLACER MINING AREAS





## 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), MT STEVENS). 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, Mark Management explored the LONE STAR property for Arbor Resources and Dawson Eldorado Mines Ltd. Gold values up to 242.9 g/t were obtained from a schist horizon which is interpreted as a stratabound volcanogenic unit. Drilling and trenching outlined very large tonnages of low-grade material surrounding layers with 6.9 to 14.7 g/t Au. 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, TARGET 0 (CHANCE), KLONDIKE KENO, ANTHONY, and KENO #6 and KENO #14 targets with rotary

drilling from surface, and the BELLEKENO, LUCKY QUEEN, and SILVER KING veins with exploration adits, drifts, raises and underground diamond drilling. Another significant new high-grade ore zone is indicated in the BELLEKENO Mine, where the 600 Level drift advanced through 41 m averaging a cut grade, taken to a minimum mining width, of 1901 g/t Ag over 1.9 m. In the SILVER KING Mine, diamond drilling and drifting indicated significant new ore averaging a cut grade, taken to a minimum mining width, of 1750 g/t Ag over 1.5 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, chalcopryrite, and tetrahedrite. Fairfield Minerals Ltd. and Getty Resources Ltd., substantially increased reserves in the Main Zone from last year's 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 vein and stratabound gold and silver occur in Eocene felsic tuff. Seventeen diamond drill holes have outlined a zone of potential ore at least 140 m long. Nine of the drillholes penetrated significant gold and silver mineralization. The

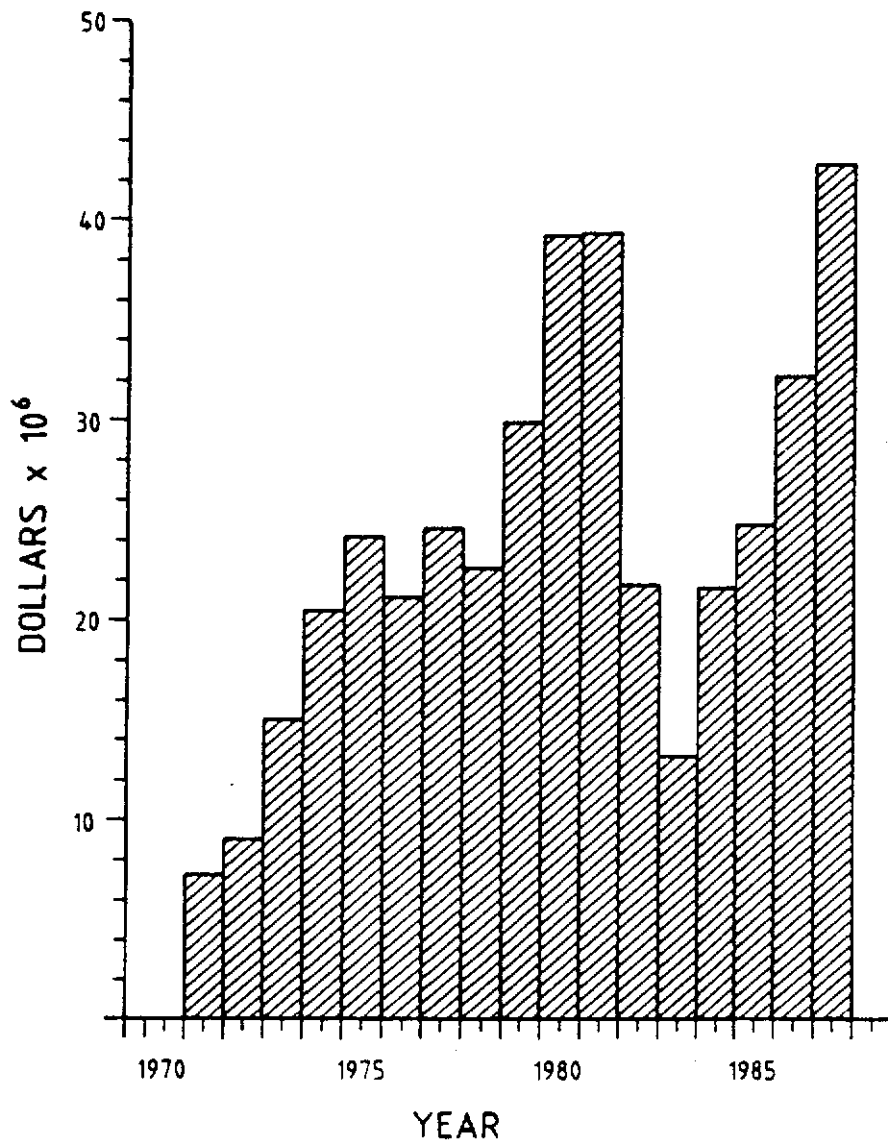
best intersection reported so far is 11.7 g/t Au and 150.9 g/t Ag over 31.4 m. The mineralized zone is still open to the east.

#### KLUANE RANGE

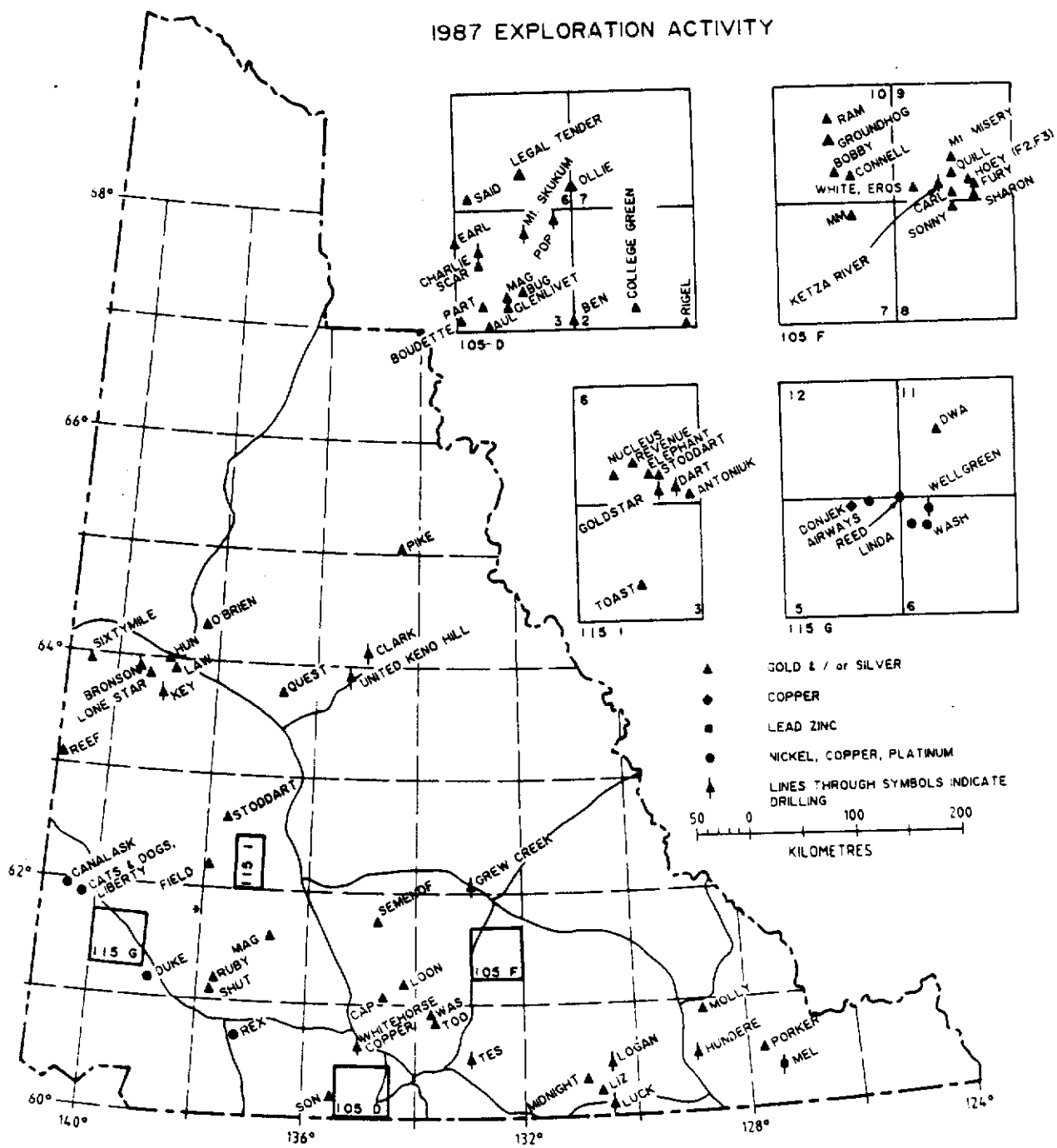
Activity centred on the WELLGREEN property where Kluane Joint Venture evaluated the platinum potential of a layered peridotite sill that had previously been mined for nickel and copper. Detailed mapping and geophysical surveys, 10 km of trenching and 4932 m of diamond drilling confirmed that platinum-bearing 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. Potential reserves are estimated at more than 14.6 million tonnes grading better than 1.54 g/t Pt/Pd with higher-grade zones occurring downdip. Similar ultramafic bodies elsewhere in the Kluane Range 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. In 1987 seven 80 holes were drilled totalling 2012 m. This increased the reserves on the property 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. Work in 1987 consisted of geological mapping, geochemistry and 22 bulldozer trenches over a 6 km <sup>2</sup> area. One oxidized zone returned assays as high as 4.1 g/t Au over a 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. Work in 1987 consisted of a ground magnetometer survey, bulldozer trenching and 14 widely-spaced diamond drill holes totalling 3889.9 m. Six of the holes intersected a new zone of high-grade lead-zinc-silver mineralization 500 m northwest of the main 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. Magnetometer and VLF-EM surveys done in 1987 produced anomalies which indicate a strike extension of the stockwork zone.
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. Bulldozer stripping over geophysical and geochemical anomalies failed to reach bedrock due to permafrost. Additional trenching of the original showing was followed by blasting of other showings and mapping of new exposures.
HARDTACK (ORO)	Yukon Minerals Corp.	105 B 1	Silver-bearing galena veins occur in Lower Paleozoic sedimentary rocks. Geological mapping was done on all claims in 1987. No new showings were discovered.
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. Work in 1987 consisted of geological mapping, geochemistry and surveying of previous backhoe trenches. The results are reported to warrant drill testing of the vein system at 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. In 1987, regional mapping and geochemistry were carried out over the entire property. Following the drilling of 8 holes (total 914.4 m) in the TM zone, proven and probable reserves were increased by 50% to a total of 97 370 tonnes grading 1025.1 g/t Ag. Trenching of the H zone exposed mineralization grading up to 2969.3 g/t Ag over a width of 1.34 m. The strike extent of the H zone has not yet been determined.
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 along a fault zone which cuts a highly altered Cretaceous intrusion. To date the fault zone has been explored over only one third of its length. In 1987, detailed mapping and soil geochemistry were done in the vicinity of the LOGAN 107-116 claims, and an IP survey was conducted over the whole property to define 1988 drill targets. An airstrip and 10 km of roads were constructed. An extensive drill program of 44 holes totalling 7770 m resulted in better definition of the main zinc-silver orebody. 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 102.2 g/t Ag. Current reserve estimates total 14.0 million tonnes grading 5.13% Zn and 20.3 g/t Ag. Two holes were drilled on a separate mineralized structure 213 m east of the main orebody, with good results reported.
TES	Noranda Exploration Co. Ltd	105 C 11	Quartz stockwork cuts silicified Upper Triassic basic tuff. Exploration in 1987 consisted of 1:5000 mapping of the whole property, four trenches and two diamond drillholes totalling 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. Mapping, prospecting and reconnaissance geochemistry were done on the property. No veins or mineralized samples were found.

NAS	All-North Resources Ltd	105 C 13	Mississippian and earlier metavolcanic rocks and related intrusions underlie the property. Work in 1987 consisted of mapping and reconnaissance geochemistry. No mineralization was found.
RIGEL	United Keno Hill Mines Ltd	105 D 2	The property is underlain by Triassic Lewes River Group and Jurassic Laberge Group sedimentary rocks. The claim group was mapped at a scale of 1:30 000 and soil samples taken every 100 m across the property were 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. Work in 1987 included 1:10 000 scale mapping and geochemistry in selected areas. Samples were analysed for Pb, Zn, Ag, Au, As and Sb. Several anomalous samples were reported. A detailed VLF-EM survey was done on the AFI 45-46 and 57-60 claims.
BEN	All-North Resources Ltd	105 D 2	Altered, brecciated fault zones with quartz veining cut rocks of the Coast Plutonic Complex. The entire property was mapped at a scale of 1:5000. Reconnaissance soil, silt and rock samples were analysed for Au and Ag. Assay values up to 6.5 g/t Au 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. Detailed mapping, geochemistry and geophysics (VLF-EM and mag.) over the whole property led to the discovery of several mineralized zones and identified two drill targets. Two helicopter pads and drill sites were blasted from the cliff face.
BOUDETTE (MAJI)	Kerr Addison Mines Ltd	105 D 3	Quartz veins and breccias cut Eocene rhyolite and andesite dykes and Cretaceous granodiorite. Mapping at a scale of 1:25 000 showed that gold and minor silver mineralization occurs in quartz veins, stringers and breccia zones along north to northeast-trending shears and faults. Samples were analysed for Au, Ag, As and Sb.
BUG	Kerr Addison Mines Ltd	105 D 3	Abundant rhyolite porphyry dykes and sills cut Cretaceous granodiorite. Prospecting on the BUG claims found traces of mineralization only.
PART (BOUD, CRO)	Mine Quest Exploration Associates Ltd for Sirius Resource Corp., under option from L. Allen & R. Bilquist	105 D 3	Quartz veins with pyrite and galena intrude quartz monzonite, breccia and lithic tuff in the Bennett Lake area. Mapping was done at a scale of 1:10 000 over most of the property. On the BOUD claims, 120 rock samples were assayed for Au and Ag. Anomalous values were reported from quartz veins, quartz breccia and silicified wall rock. On the CRO claims, 29 rock samples were assayed for Au and 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. In 1987, 1:10 000 mapping was done on parts of the property and 30 rock samples were analysed for Au and Ag.
MT SKUKUM MINE (GLEC, MOE, KUKU BUTTE, WOOD, 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. In 1987 close-spaced contour soil samples were taken over the entire property. Detailed geological maps were made of selected areas at various scales down to 1:200. Airborne magnetometer and VLF-EM surveys were flown over the east half of the property. Ground max-min, VLF-EM and magnetometer surveys were done on the CHIEF and KUKU groups and IP was done on the CHIEF claims. Limited machine and hand trenching was also carried out. Diamond drilling increased reserves in the BRANDY and LAKE zones to an estimated 94 990 tonnes grading 16 g/t Au. A total of 75 holes were drilled on the KUKU property with an average length of 100 m per hole. An additional two holes totalling 320 m were drilled on the CHIEF claims.
LEGAL TENDER (NH)	Havilah Gold Mines Ltd	105 D 6	Values of up to 25.0 g/t Au and 411.4 g/t Ag are reported as a result of current exploration on the LEGAL TENDER vein.
OLLIE (NEW)	Havilah Gold Mines Ltd	105 D 6	Trenching of a mineralized shear zone discovered in 1986 turned up grab samples containing up to 6171 g/t Ag. In 1987, a parallel shear zone was discovered which returned gold values up to 44.6 g/t Au.

MT. REID (SKUKUM CK) WH.ERN TEX,SKAR KID)	Omni Resources Ltd.	105 0 3	Gold and silver-bearing sulphide-rich mesothermal veins in granodiorite are localized along the ENE-trending Berney Creek fracture. An extensive program of soil and talus sampling was accompanied by detailed mapping on scales down to 1:200. Magnetometer and VLF surveys were made over the detailed geochemical grids. A total of 826 m of underground drifting proved the RAINBOW and KUHN zones to be connected. Two crosscuts off the main adit intersected the RAINBOW zone which had a width of 5.1 m in one crosscut and 8.22 m in the other. Channel sampling in crosscut #2 returned values of 6.5 g/t Au and 420.5 g/t Ag over a true width of 7.92 m. The main drift also cut the KUHN zone 305 m below surface. Encouraging results are reported from preliminary metallurgical tests. A pre-feasibility study is planned for early 1988. The 1987 drilling program increased drill-indicated reserves to approximately 546 000 tonnes grading 13.4 g/t Au equivalent (8.4 g/t Au, 274.0 g/t Ag). Fifty-six holes with a total length of 6400.8 m were drilled both on surface and underground. The 1987 drilling doubled the known strike length of the RAINBOW zone, extending it 152 m to the north and the same distance downdip. The zone now has a demonstrated length of 335 m and is still open in all directions. Two of the best drill intersections from the RAINBOW zone are 25.4 g/t Au and 630 g/t Ag over 9.5 m and 13.4 g/t Au and 1714 g/t Ag over 1.4. The best of three drillholes in the KUHN zone intersected 10.5 g/t Au and 203 g/t Ag over 8.63 m.
GLENLIVET	Pacific Trans-Ocean Resources Ltd, AGIP Canada Ltd	105 0 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. As a result of 1987 geochemical sampling on the GLENLIVET claims, four zones of interest were identified and six trenches were excavated.
MAC	All North Resources Ltd	105 0 3	Rhyolite ring dykes of the Bennett Lake Caldera Complex intrude Cretaceous granodiorite of the Coast Plutonic Complex. Reconnaissance prospecting and geochemistry on the MAC property turned up one quartz vein which 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, Walhalla Exploration Ltd	105 0 3 105 0 5	Epithermal gold and silver-bearing veins occur within rocks of the Eocene Skukum Volcanic Complex. Detailed mapping was done over the TECH, WAL, CHARLIE, RIDGE, POP and STEN claim groups. The HAVI, RIDGE, BRIDGE, ROAD, BANK, TECH and MOM claims were covered by a geochemical grid. A VLF-EM 16 survey was done on the POP and MOM groups. Bulldozer trenching and diamond drilling were confined to the POP claims, where 16 holes were drilled totalling 4267 m.
EARL	Pacific Trans-Ocean Resources Ltd, AGIP Canada Ltd	105 0 3 105 0 4	Gold and silver-bearing quartz-pyrite-galena-sphalerite-tetra-hedrite-malachite veins and stockwork cut Cretaceous granodiorite and Paleozoic metasedimentary rocks. Geological mapping at a scale of 1:10 000 showed that the CHARLESTON vein may extend onto the east end of the property. Soil and rock samples were assayed for Au, Ag, As, Sb and Pb. Grab samples yielded values up to 6.3 g/t Au, and 3659 g/t Ag. Magnetometer and VLF surveys were done on a close-spaced grid.
SAID (SAID, THE)	Pacific Trans-Ocean Resources Ltd, AGIP Canada Ltd	105 0 3 105 0 5	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. Detailed mapping (1:1000 and 1:500 scales) was done over the whole property. Soil and rock samples were analysed for Au, Ag, Hg, As and Sb. Chip samples yielded up to 19.9 g/t Au, and 24.3 g/t Ag. Four trenches were excavated and two drill sites were constructed.
SOK	All North Resources Ltd	105 0 4	Bull quartz veins occur in Paleozoic quartz-biotite schist, quartzite and marble intruded by rocks of the Coast Plutonic Complex. The property was mapped at 1:10 000 scale, and reconnaissance soil, rock and 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 & GEM)	105 0 11 Smelting)	Gold-bearing copper-magnetite skarns occur in pendants of Upper Triassic limestone intruded by mid Cretaceous granodiorite of the Whitehorse Batholith. Two diamond drillholes on the BONZO FR. and GEM 2 claims (total 261.5 m), extended the skarn zone mineralization on the Graftier & Kodiak Cub zones.
CAP	United Keno Hill Mines Ltd	105 0 15	The property is underlain by Paleozoic volcanic rocks and minor Triassic Lewes River Group sedimentary rocks. The property was mapped at 1:5000 scale. Half of the property was covered by a detailed soil grid, and reconnaissance contour samples were taken over the remainder. Samples were 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 chalcopyrite and pyrite. In 1987 old showings on the property were examined and sampled and 31 km of line were cut in preparation for VLF-EM and magnetometer surveys in 1988.
SEMEHOF	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. Work in 1987 included 1:5000 mapping and soil geochemistry over the whole property, IP and magnetometer surveys and minor blast trenching.
MM	Currnagh 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. Some hand trenching was done on the MM 38 claim.
SONNY (SUSAN, ST. PETER REGAN, JESSICA)	Golden Pavilion Resources Ltd	105 F 8	Work in 1987 consisted of mapping, geochemistry, magnetometer and VLF surveys and blast trenching.
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. Two gold occurrences are restricted to the Lower Cambrian, and two lead-silver occurrences are hosted by Lower Cambrian and Silurian rocks. Gold-bearing limestone carries values up to 41.8 g/t Au. In 1987, soil and talus samples from selected areas were analysed for Au and 30 elements. A strong Ag-Pb anomaly was defined overlying Mississippian sedimentary and volcanic rocks. Several other Au, As, Ag and 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. Detailed geological mapping, soil sampling and airborne magnetometer and VLF-EM surveys were done over selected claims. On the KON 240 claim bulldozer trenching 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. Geological mapping at a scale of 1:5000 showed that numerous oxide mantos discovered on the claims are related to thrust and northwest-trending normal faults. An airborne magnetometer-VLF-EM survey was flown over part of the KETZA claim block.
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. In 1987 soil samples were taken on a detailed grid covering most of the property. Lead and zinc anomalies extend 200 m north along strike from silver-bearing galena veins exposed by trenching. An airborne magnetometer-VLF-EM survey was flown over the KETZA 73-100 and KET 1-4 claims.
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. Detailed geological mapping on eight selected claims outlined numerous subparallel quartz-scorodite veins. Soil and talus samples were taken and a ground magnetometer survey was conducted over the same claims.

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. Oxidized gold-bearing mantos were discovered during 1:1000 scale mapping on the SADDLE and GEM claims. On the SADDLE, GEM and AL claims, soil samples taken on a close-spaced grid were analysed for Au, Ag, As, Pb, Zn and Cu. On the OK claims, magnetometer, EM and max-min surveys were conducted. Bulldozer trenches were excavated on the SADDLE, GEM and CAMP claims. Diamond drilling in 1987 consisted of nineteen holes totalling 1756.2 m.
KETZA RIVER (KON, FURY, PENGUIN, PEG, PEEL PIONEER)	Canamax Resources Ltd, Pacific Trans-Ocean Resources Ltd	105 F 9	Gold occurs in limestone-hosted sulphide deposits and argillite-hosted fissure veins. Several new oxide and sulphide showings were discovered during detailed mapping on the KON 6-12, PENGUIN 4-10 and FURY 29-32 claims. Channel samples were taken which assayed up to 41.1 g/t Au over 6.1 m. Closely spaced soil samples were taken in selected areas. Magnetometer and HEM surveys over the geochem grids defined a number of strong geophysical anomalies. The anomalies were investigated by bulldozer trenching. Sixty one diamond holes totalling 5000 m and 95 reverse circulation holes totalling 4962.8 m were drilled on the property in 1987. The drilling established geological drill-indicated reserves in 5 zones. The PEEL and RIDGE zones are currently being developed for production at 318.5 tonnes per day. An average grade of 17.8 g/t Au is reported in the PEEL zone. The BREAK zone is 395 m east of the PEEL and RIDGE zones. Good intersections encountered during drilling of the BREAK zone include 23.2 g/t Au over 3.6 m in DDH 246 and 23.6 g/t Au over 5.9 m in DDH 262. DDH 251 penetrated three gold-bearing sections assaying 34.3 g/t Au over 6.9 m, 17.1 g/t Au over 4.4 m and 21.3 g/t Au over 4.5 m. Of 28 drillholes cutting the QB vein in the SHAMROCK zone, 18 intersected significant gold values up to 11 g/t over 7.62 m.
FURY SLIDE LAKE (KON)	Canamax Resources Inc.	105 F 9	Gold and silver occur in quartz-sulphide veins, breccia zones and replacements in Lower Cambrian limestone and dolomite. Mapping and geochemistry on selected claims outlined several areas of gold-bearing sulphides. An airborne magnetometer-VLF-EM survey was flown. Anomalous areas on the KON 238-239 and KON 196, 198 claims were explored by bulldozer trenching.
RAM (RAM, MAT)	Fairfield Minerals Ltd	105 F 9 105 F 10	Mississippian volcanic & sedimentary rocks & syenite host massive sulphide veins & bodies. The entire property (701 claims) was mapped at a scale of 1:10 000 and almost half the property was covered by a soil grid. Additional massive and disseminated sulphide orebodies were discovered. IP, VLF, and magnetometer surveys covering 33 claims and a max-min survey on one claim identified future drill targets.
BOBBY (MAC, BOB)	Canamax Resources Inc.	105 F 10	Gold and silver occur in quartz-sulphide veins in Lower Cambrian limestone, dolomite and phyllite. Geological mapping of the whole property at a scale of 1:5000 outlined areas of quartz veining with significant gold and silver values. Soil samples were taken over part of the MAC claim block, and a hand trench was excavated on the MAC 21 claim. An airborne magnetometer-VLF-EM survey was flown over the entire property.
TAY (LP)	Cominco Ltd, Cinnabar Resources Ltd	105 F 10	Gold and minor chalcopyrite occur in quartz-pyrrhotite veins and replacements of schist and limestone. Diamond drilling on the LP 13 and TAY 8, 14, 19, 20 claims consisted of eleven holes totalling 961 m.
GROUNDHOG (LORNE)	Yukon Minerals Corp., Perrex Resources Ltd	105 F 10	Cambro-Ordovician sedimentary rocks host veins containing galena, freibergite and tetrahedrite. In 1987, all of the property was mapped at a scale of 1:10 000 and bulldozer trenching uncovered 40 veins 0.6-15.2 m wide. Grab samples ranging from 342.8 g/t Ag to 17 142.4 g/t Ag are reported. A permanent camp was established and a 13 km access road was upgraded.
BREW CREEK (CANYON, GRAND)	Noranda Exploration Co. Ltd, Golden Nevada Re- sources Ltd, option from A. Carlos	105 K 2	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 740 m. It contains 1-2% pyrite and traces of Ag and As. Within the tuff a zone of potential ore 140 m long is still open to the east. In 1987, till and humus samples were taken over the whole property. Geophysical surveys included airborne Dig/EM over the whole property and minor ground IP & mag. Diamond drilling in 1987 consisted of 17 holes totalling 1840 m. Nine of the drillholes returned values ranging between 3.8 and 85.0 g/t Au over widths of 1.3 to 31.4 m. The best intersection to date was 11.7 g/t Au and 150.9 g/t Ag over 31.4 m in DDH 37-29. Further drilling is planned to determine the eastern extent of the orebody and test other targets such as the TARN zone 1.9 km to the east.

UNITED KENO HILL (>900 GRANTS & LEASES)	United Keno Hill Mines Ltd	105 M 13 105 M 14	Silver, lead and zinc occur in hydrothermal veins emplaced along faults cutting metasedimentary rocks. In 1987 backhoe trenching was done on the CHIEF property. Surface exploration also included the drilling of 185 rotary-percussion holes totalling 8104.6 m on the READY CASH, CHIEF, TARGET O (CHANCE), KLONDIKE KENO, ANTHONY, targets and the KENO No. 6 and KENO No. 14 veins. Underground exploration of the BELLEKENO, LUCKY QUEEN and SILVER KING adits included 397 m of drifting, 163 m of raising and 1250 m of ramping. A total of 846 m of diamond drilling was done from the BELLEKENO and SILVER KING adits. Another significant new high-grade ore zone is indicated in the BELLEKENO mine, where the 600 Level drift advanced through 41 m averaging a cut grade, taken to a minimum mining width, of 1901 g/t Ag over 1.9 m. In the SILVER KING mine, diamond drilling and drifting indicated significant new ore averaging a cut grade, taken to a minimum mining width, of 1750 g/t Ag over 1.5 m. At HUSKY SW a 190 m shaft was begun to explore an ore zone indicated by surface drilling. Possible reserves of 47 960 tonnes grading 1141.7 g/t Ag and 2.7 g/t Au are estimated and the zone is open at depth.
MT HINTON	Orex Resources Ltd	105 M 14	High-grade veins carry up to 3361 g/t Ag and 6.45 g/t Au. Approximately 900 m of diamond drilling was done on the property in 1987.
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. Soil samples were taken over a small area. Diamond drilling consisted of 6 holes totalling 448.4 m. Five of the six drillholes intersected significant mineralization, with weighted average values of 273 g/t Ag, 6.51% 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. Hand trenching and stripping exposed 70 square metres of 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 aeromagnetic anomaly beneath thick glacial drift. Work in 1987 included soil sampling and ground VLF-EM and magnetometer surveys over the whole property.
CANALASK (MICRO, WENG)	Rockridge Mining Corp., Chevron Minerals Ltd, All-North Resources Ltd, option from P. Versluis and C. Gibbons	115 F 15	Nickel and platinum group elements occur in a stockwork cutting the footwall of an ultramafic sill. Old trenches and existing outcrop along the White River were remapped. Reconnaissance soil samples were taken and VLF-EM and proton magnetometer surveys were done on the MICRO and WENG claims. Five diamond drillholes totalling 503.2 m tested the footwall contact of the ultramafic sill over a 304.3 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, across 3 m.
CATS AND DOGS, LIBERTY	Silverquest Resources Ltd	115 F 16	A narrow ultramafic sill contains several small copper and nickel occurrences. The property was mapped at a scale of 1:10 000. Samples taken along stream cuts were analysed for Pt, Pd and ICP. Weak to moderate PGE anomalies were 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. Work in 1987 consisted of reconnaissance mapping and geochemistry.



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. Eighty per cent of the property was mapped at a scale of 1:2500, and systematically soil sampled. VLF-EM and gradiometer and total field magnetic surveys were also done over most of the property. A total of 10 km of bulldozer and excavator trenching traced the mineralization over a 2 km strike length including 1 km explored by 1973-74 underground mining operations. Forty-five diamond holes totalling 4931.7 m were drilled in the main showing area. As a result of the drilling, potential ore reserves of more than 14.6 million tonnes are estimated, grading better than 1.54 g/t Pt/Pd. Total metal value including values for platinum, palladium, rhodium, ruthenium, osmium, iridium, nickel, copper, cobalt, gold and silver is estimated at 2.42 g/t platinum equivalent. The present reserves are reported to be open at depth. Parts of the deposit down dip are higher grade and underground exploration of these is currently underway.
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. The entire property was mapped, soil sampled and surveyed by VLF and proton magnetometer. Some road construction and bulldozer trenching was done. The old showing was relocated, hand trenched and traced along strike by geophysics. Two new gold showings were discovered on the north side of the property.
DONJEK (JEK)	Silverquest Resources Ltd	115 G 5 115 G 12	Copper occurs as scattered disseminations and fracture fillings in Triassic volcanic rocks. 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. In 1987 the property was mapped, soil sampled and surveyed by VLF and proton magnetometer. An important extension of the mineralized zone was discovered to the east. An access 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. Mapping and reconnaissance geochemistry was done over the whole property.
DWA (DWA, TAL)	United Keno Hill Mines Ltd	115 G 9	Rhyolite dykes cut Paleozoic quartz-biotite schist. Contour soils taken every 50 m were analysed for 30 elements.
RUBY	United Keno Hill Mines Ltd	115 H 4	The property is underlain by Triassic Ruby Range granodiorite, Paleozoic schist and hornfels. The property was mapped and contour soil samples were analysed for 30 elements.
SHUT	Silverquest Resources Ltd	115 H 4	Reconnaissance soil and rock samples were analysed for gold 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 on the property turned up no mineralization.
FIELD	Nordac Mining Corp., Rexford Minerals Ltd option from Chevron Minerals Ltd	115 I 2	The Granite Mountain batholith underlies the property. Soil and silt samples analysed for Au returned no anomalous results. One bulldozer trench was excavated.

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. Soil and silt samples were analysed for Au with no anomalous results.
VIC	Chesbar Resources Inc., States Exploration Ltd, option from Kerr Addison Mines Ltd	115 I 3	Gold-bearing quartz veins cut Jurassic syenite. Some soil sampling and a test EM survey were done along with approximately 1219 m of diamond drilling. The best drill intersection was 14.7 g/t Au 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. Approximately 1524 diamond drilling was done on the property.
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 oxide reserves of 727 000 tonnes of 7.9 g/t Au and 62-103 g/t Ag to the Brown-McDade zone. Exploration in 1987 consisted of bulldozer and backhoe trenches and diamond drilling. Seventeen holes totalling 1048 m were drilled in the FLEX and WEBBER zones. The best intersection reported was 20.6 g/t Au 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. 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. Trenches were cut with an excavator and preparatory stripping was done for 1988 bulldozer trenches. A 1.7 km access 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. Two bulldozer trenches exposed zones with up to 1.9 g/t Au over 50 m and 1.7 g/t Au over 55 m. Mapping delineated the high-grade zones and increased the known reserves over the 1986 estimate of 3.73 million tonnes grading 1.1 g/t Au.
EMMONS HILL (DART)	Noranda Exploration Co. Ltd	115 I 6	Gold and silver are associated with brecciated feldspar porphyry dykes and chalcedonic quartz veins. Two diamond holes were drilled totalling 185 m. Poor core recovery was reported.
GOLDSTAR	Nordac Mining Corp., Rexford Minerals Ltd, option from S. 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. Extensive geophysical work on this property in 1987 included VLF-EM, magnetometer and gradtometer mag. surveys. Over 7 km of bulldozer and excavator trenching was done on the AUGUSTA and MARGARETE showings. 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 due to supergene enrichment. The MARGARETE and AUGUSTA showings are now believed to lie on the same structure, which has a strike length of at least 914 m. Diamond drilling confirmed previous reserve estimates of 163 800 tonnes grading 3.8 g/t Au. Eight holes totalling 449 m were drilled in the AUGUSTA zone. The best intersection was 18.8 g/t Au and 98 g/t Ag over 1.1 m. In the MARGARETE zone, 9 holes were drilled totalling 1292 m. Intercepts in four holes ranged from 4.8 g/t Au over 6 m to 5.1 g/t Au 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. Over 1 km of bulldozer and excavator trenching was done on the property in 1987.
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. The central part of the property was mapped in detail. The most intense alteration zones were found to trend ENE. VLF-EM, proton magnetometer and gradiometer mag. surveys were done over the entire property. A total of 10.5 km of bulldozer and excavator trenching was done in the central part of the property. Values up to 1.51 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. Geochemical sampling on the ACK 14-19 claims outlined minor anomalies ranging up to 530 ppb Au. Three kilometres of new road was constructed.
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. Work on the TORO claims consisted of soil sampling, magnetometer and VLF surveys, minor bulldozer trenching and 4 diamond drillholes totalling 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. Soil and rock samples were taken from six trenches excavated on the property.
REEF	Moosehorn Exploration Ltd (I. Warwick, K. Robertson)	115 N 2	Gold occurs in hydrothermal quartz veins and in alluvial and eluvial placers. Multiple high-grade veins were exposed in bulldozer and backhoe trenches. Bulk samples were processed on site by a 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. Detailed mapping was done on the SIXTYMILE 35, 39 and 41 claims. Low Ag, Au and base metal values were reported from rock samples taken on these claims. Some stripping of overburden was done on the property by placer miners.
MCKINNON (KEY)	Volcano Resources Corp. (option)	115 O 11	Gold occurs in black McKinnon Creek conglomerate. Detailed mapping was done over part of the property. An extensive geophysical survey included fluxgate magnetometer and VLF-EM 16. Several EM-16 conductors were outlined. Bulldozer trenching was done on the KEY 3, 5 and 22 claims. A total of 469.7 m of diamond drilling was done on the KEY 3, 5 and 9 claims.
BRCNSON	Cominco Ltd	115 O 14	Stringers of pyrite, chalcopyrite and galena are found in float boulders of Permian schist. IP, VLF and magnetometer surveys were done and 2 km of access road was constructed.
LONE STAR (REY)	Dawson Eldorado Mines Ltd, Arbor Resources Ltd	115 O 14	Gold occurs within a unit of quartz-muscovite schist which contains pyrite, arsenopyrite, malposite, or grey-coloured carbonate blebs. Gold-bearing units in the LONE STAR mine and GAY GULCH areas may represent a single folded volcanogenic horizon. 1987 saw the completion of an airborne geophysical survey consisting of 4-frequency EM, high-frequency cesium-vapour mag. and 2-frequency VLF-EM, plus an altimeter survey with video flight-path-tracking film for control. Extensive ground surveys were done including detailed geochemical sampling, VLF-EM and IP. Targets were followed up by 1690.4 m of diamond drilling, 4063 m of rotary drilling and 24 trenches. Many drill and trench samples returned significant Au values (up to 242.9 g/t) which further defined two main areas of interest: the old LONE STAR MINE area and the GAY GULCH area. Very large tonnages of low grade material surrounding 6.3 to 14.7 g/t horizons were outlined.

HAWK	Arbor Resources Ltd	115 0 14	<p>The west half of the HAWK property is underlain by granodioritic gneiss. The east half of the property is underlain by "Klondike" schist which is believed to be genetically related to the source of gold found on the property. The schist is cut by intrusions of several different types and ages.</p> <p>An airborne magnetometer survey delineated a trend which was further investigated by a ground magnetometer survey on a 12 km grid. Other work on the grid included soil and rock chip sampling and trenching. Two rotary holes totalling 198 m were drilled based on geological interpretation. The soil sampling and magnetometer surveys further outlined an extensive silver-base metal anomalous zone which trends across the property. Trenching and sampling of this trend returned values of Cu, Pb and Zn which are considered well below ore grade. Neither of the rotary drill holes reached the inferred target depth and none of the samples from these holes returned any significant geochemical values for the 33 elements tested.</p>
LAW	All-North Resources Ltd	115 0 15	<p>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. Bulldozer trenches were chip sampled at 20 m intervals. Very low gold assays were reported.</p>
HUNK (HUN, KIN)	United Keno Hill Mines Ltd	115 0 15 116 B 3	<p>Gold occurs in quartz veins in cutting schist.</p> <p>In 1987 the Ben Levy adit on Lower Hunker Creek was rehabilitated, mapped and sampled. A large soil grid covering Lower Hunker Creek and Solomon's Dome returned anomalous gold values from 5 separate areas. A VLF-EM survey was carried out over the geochemical grid. On the KIN claims, 18 bulldozer trenches were excavated to bedrock. Trenching of one of the geochemical anomalies exposed a series of en echelon gold-bearing quartz veins over a strike length of 1100 m. Values up to 32.2 g/t Au over 4 m were reported from this zone.</p>
QUEST (QUEST, AMINO)	Silverquest Resources Ltd	115 P 15	<p>Gold, silver, lead and zinc occur in numerous siderite and siderite-quartz veins which cut Cambrian or Precambrian schist and quartzite.</p> <p>The property was mapped at a scale of 1:5000.</p>
O'BRIEN (A.J.) (CON, JA)	Cody Hawk Resources Inc.	116 B 8	<p>Massive arsenopyrite, marcasite, pyrite, native gold (in arsenopyrite) occur in steeply-dipping veins cutting basal Cambrian quartzite near Antimony Mountain intrusion.</p>

**GROUPS OF GREATER THAN 20 CLAIMS STAKED IN 1987**  
(to December 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	52	D. Schellenberg
105 B 2	NITE	56	D. Schellenberg
105 B 2	MID	60	D. Schellenberg
105 B 2, 3	PINE	36	D. Schellenberg
105 B 3	DART	100	Apex Energy Corp.
105 B 3	KEY	30	D. Schellenberg
105 B 3	PARK	64	D. Schellenberg
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

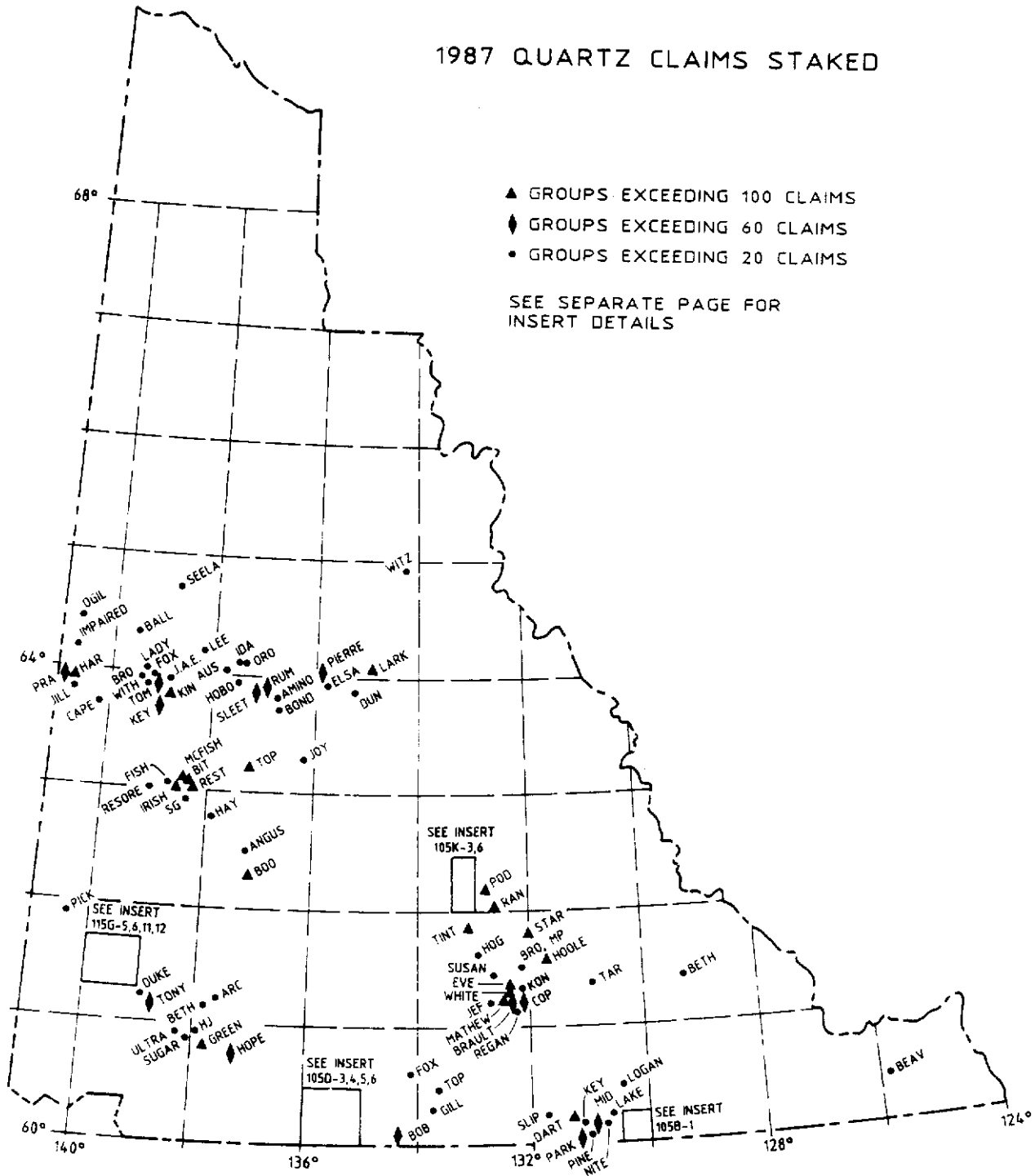
105 D 6	NOOS	48	T. Mrozinski, M. Ainsworth, R. Quesnel
105 D 6	VIN	115	M. Ainsworth, R. Quesnel, D. Sufady, T. Mrozinski
105 D 6	WAT	27	Pacific Trans-Ocean Resources Inc.
105 D 7	GILL	32	Noranda Exploration Co. Ltd.
105 D 9	FOX	48	J. Jobin, L. Brault
105 F 7, 8	LOGAN	32	Fairfield Minerals Ltd
105 F 7, 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	MP	20	C. Verley
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	BRO	32	R. Rivet, Quillo Resources Inc.
105 F 9	EVE	138	Mountain Province Mining Inc.
105 F 9, 10	KON	37	Canamax Resources Ltd.
105 F 9, 105 G 12	STAR	216	Welcome North Mines Ltd
105 F 10, 11	HOG	38	Yukon Minerals Corp.
105 F 16	TINT	205	Welcome North Mines Ltd
105 G 6	TAR	20	G. Clark
105 G 12	HOOLE	200	Welcome North Mines Ltd
105 H 6	BETH	25	Pulse Resources Ltd.
105 K 2	POD	107	Curragh Resources Ltd
105 K 2, 3	CAN	146	Noranda Exploration Co. Ltd.
105 K 2, 3, 4, 5, 105 F 15, 16	RAN	1022	G. Clark, R. Smarch
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	56	Doron Exploration Ltd
105 K 6	RV	165	Curragh Resources Ltd
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.;
			Archer, Cathro and Assoc. (1981) Ltd.
115 G 5	MISSY	28	B. Harris
115 G 5, 12	JEK	48	Archer, Cathro and Assoc. (1981) Ltd.
115 G 5, 6,	VALLEY	57	Archer, Cathro and Assoc. (1981) Ltd.
	11, 12		
115 G 6	EL	26	L. Halferdahl
115 G 6	JAN	66	L. Halferdahl
115 G 6	GREG	36	W. Zikos
115 G 6	KLU	31	Archer, Cathro and Assoc. (1981) Ltd.
115 G 6	WASH	51	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.;
			Archer, Cathro and Assoc. (1981) 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	Ger Van Resources Ltd
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	JAE	27	J.A.E. Resources Ltd
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.

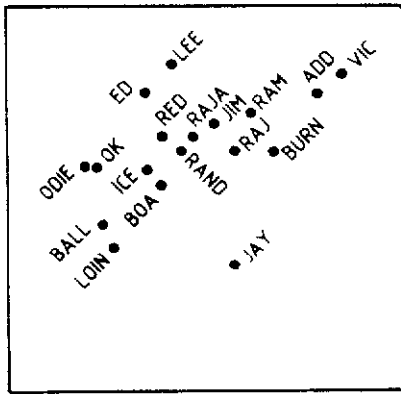
116 B 1	LEE	32	G. Clark
116 B 3	LADY	22	W. Dawson
116 B 4, 5	BALL	40	J. Moreau
116 B 15, 16	SEELA	24	Dawson Eldorado Mines Ltd.
116 C 2	IMPAIRED	48	R. McPhee, M. Fraser
116 C 7	OGIL	37	J. Scarff, A. Johnny



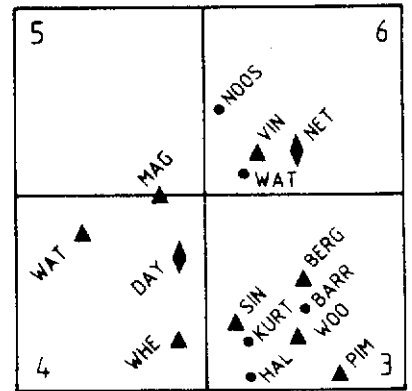
# 1987 QUARTZ CLAIMS STAKED



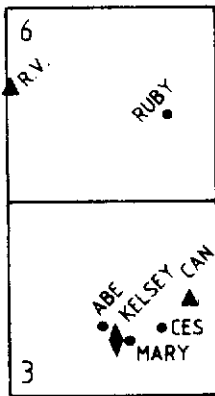
1987 QUARTZ CLAIMS STAKED  
SEE MAP



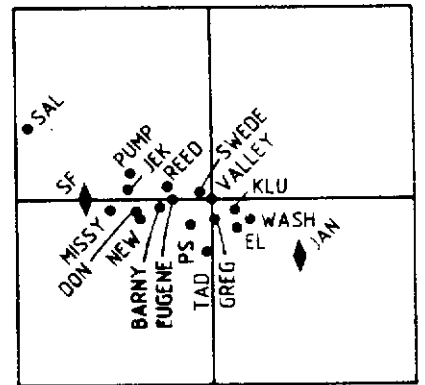
105 B - 1



105 D

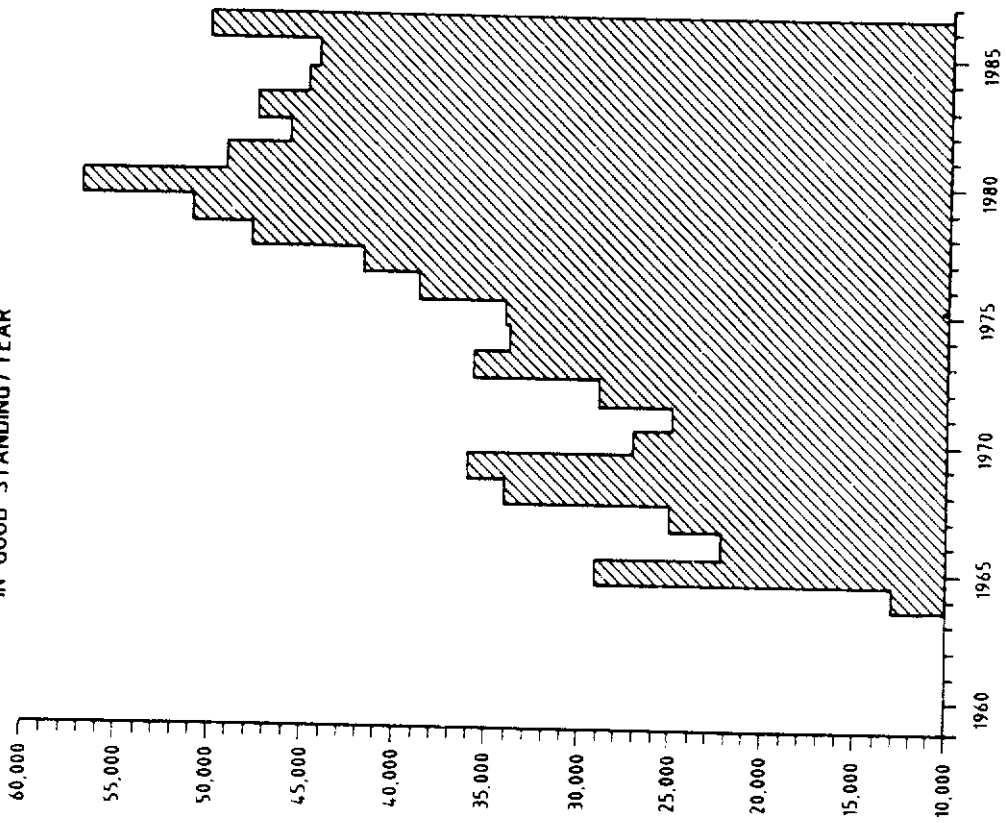


105 K

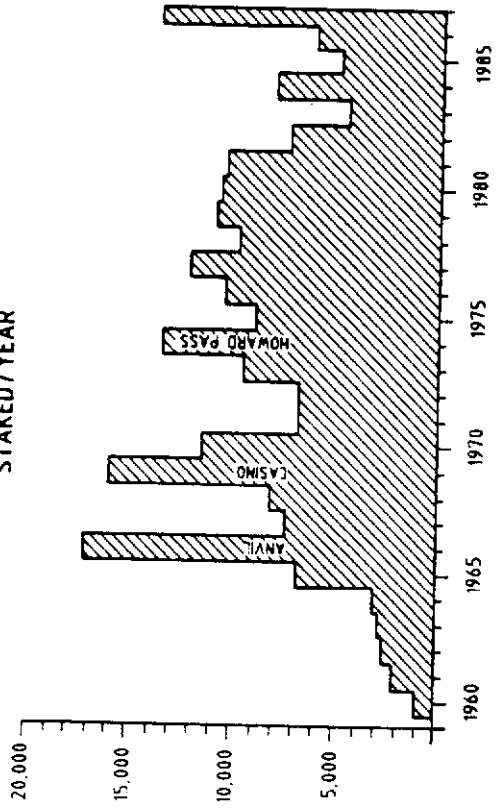


115 G

NUMBER OF LODGE CLAIMS  
IN GOOD STANDING/YEAR



NUMBER OF LODGE CLAIMS  
STAKED/YEAR



**YUKON CLAIMS IN GOOD STANDING**  
(to December 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	12 325	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	16	71
August	13 413	194	0	13 607	49	6	15	68
September	13 679	195	0	13 874	47	6	15	65
October	13 859	195	0	14 054	44	6	16	66
November	14 166	195	0	14 427	44	6	16	66
December	14 847	195	0	15 042	44	6	16	66

**1987 CLAIM STATUS FOR WHITEHORSE MINING DISTRICT**

	Quartz Claims	Quartz Leases	Iron & Mica 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
November	20 041	292	0	20 333	2816	99	0	2915
December	20 223	292	0	20 515	2817	102	0	2919

**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	1699
October	6603	902	525	8030	1684	25	0	1709
November	6519	902	525	7946	1654	30	0	1684
December	6461	902	525	7888	1649	31	0	1680

**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	7997	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
November	8809	17	0	8826	10 853	268	5	11 126
December	8767	17	0	8784	10 613	270	5	10 888

**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
November	49 535	1406	525	51 466	15 367	403	21	15 791
December	50 298	1406	525	52 229	15 123	409	21	15 553

## 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

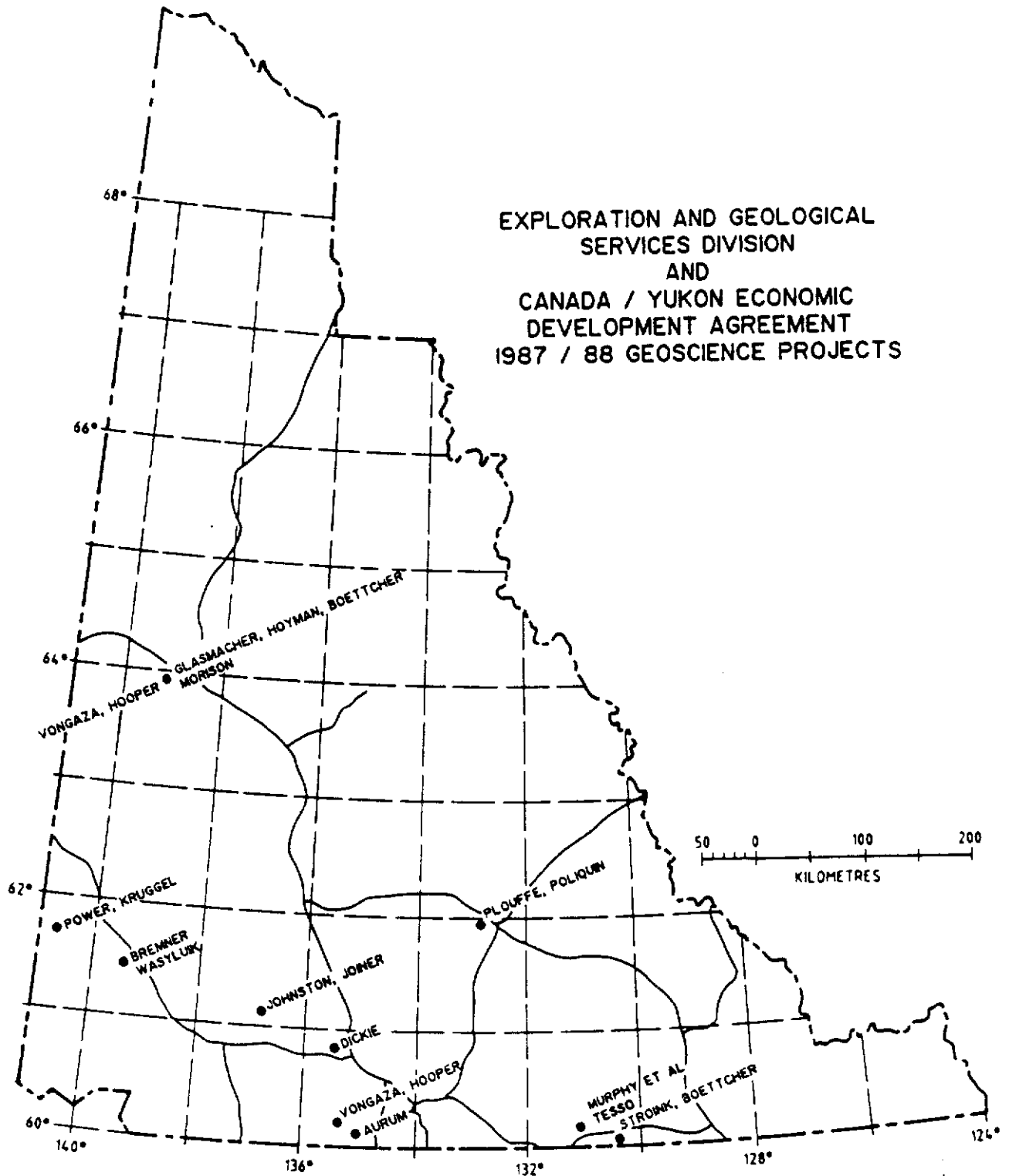
- Selected property visits to compile data for gold-silver inventory

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 acquisition 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 - Assisted preparation of Yukon Exploration 1985/86
- Assisted with maintenance of core library and core acquisition 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
- 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 Johnston - 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  
Litho-geochemistry 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 Ketzka-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

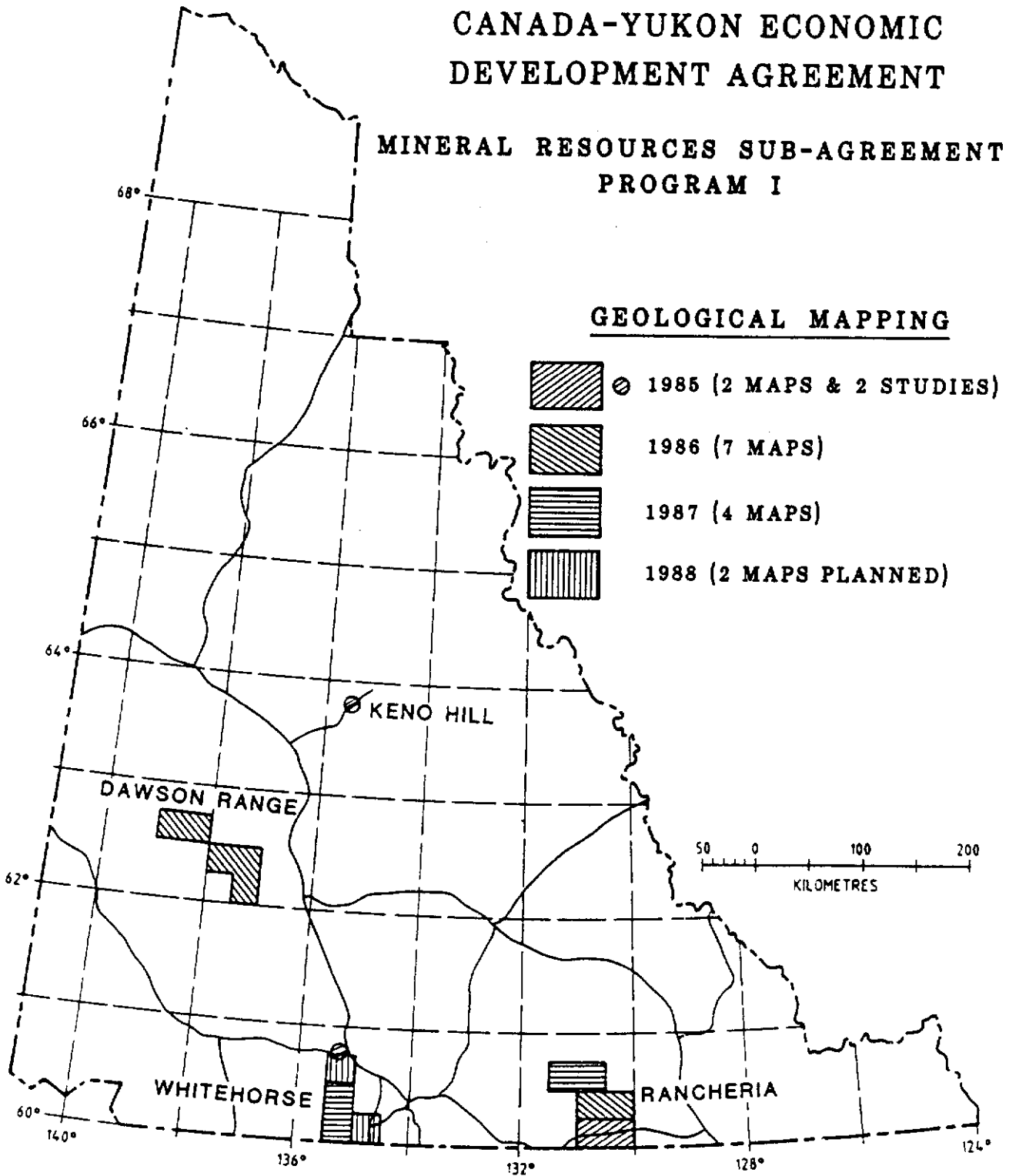
Map sheets 105 G, 105 H, 105 M (north half), 115 P



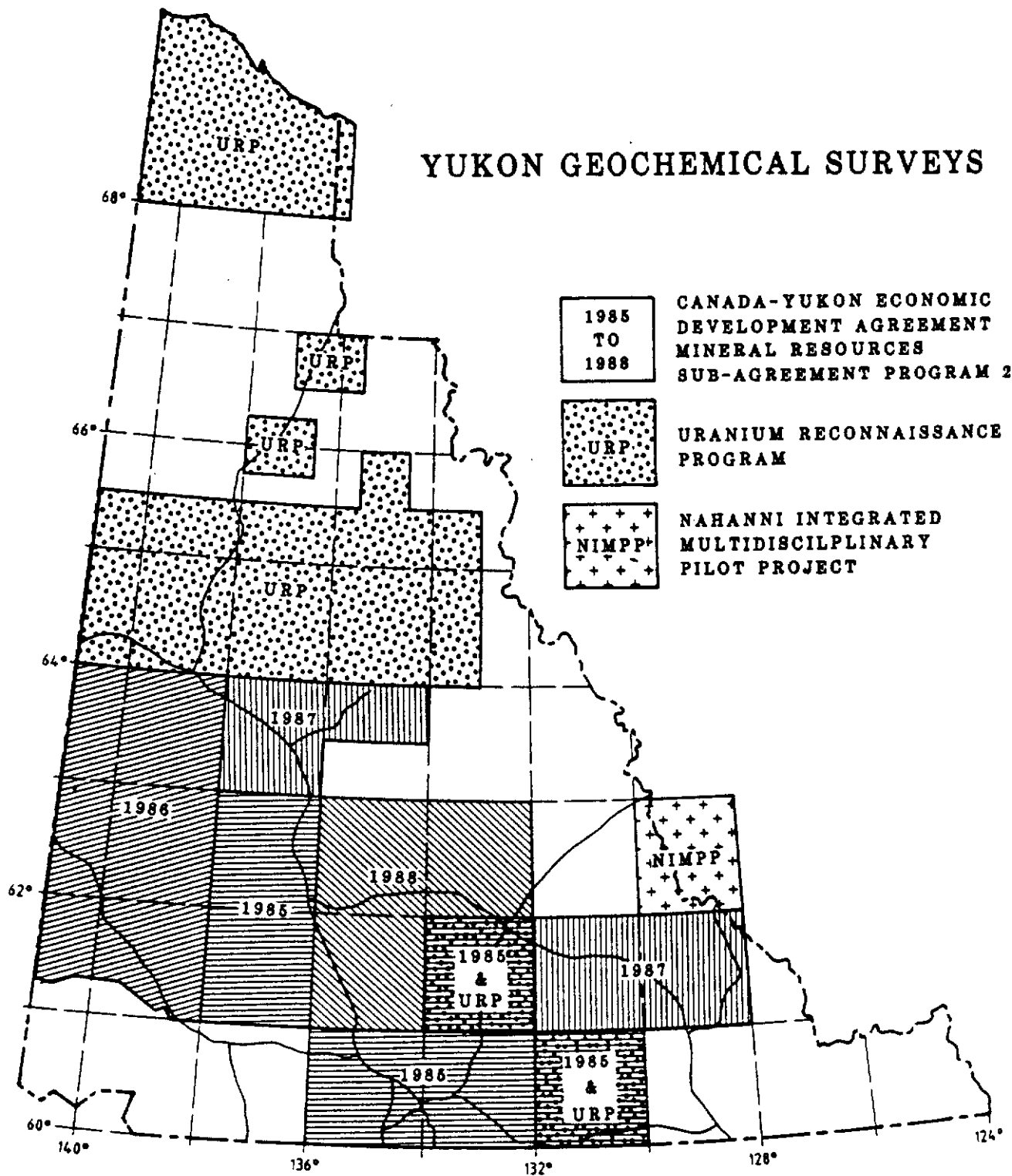
# CANADA-YUKON ECONOMIC DEVELOPMENT AGREEMENT

## MINERAL RESOURCES SUB-AGREEMENT PROGRAM I

### GEOLOGICAL MAPPING



# YUKON GEOCHEMICAL SURVEYS

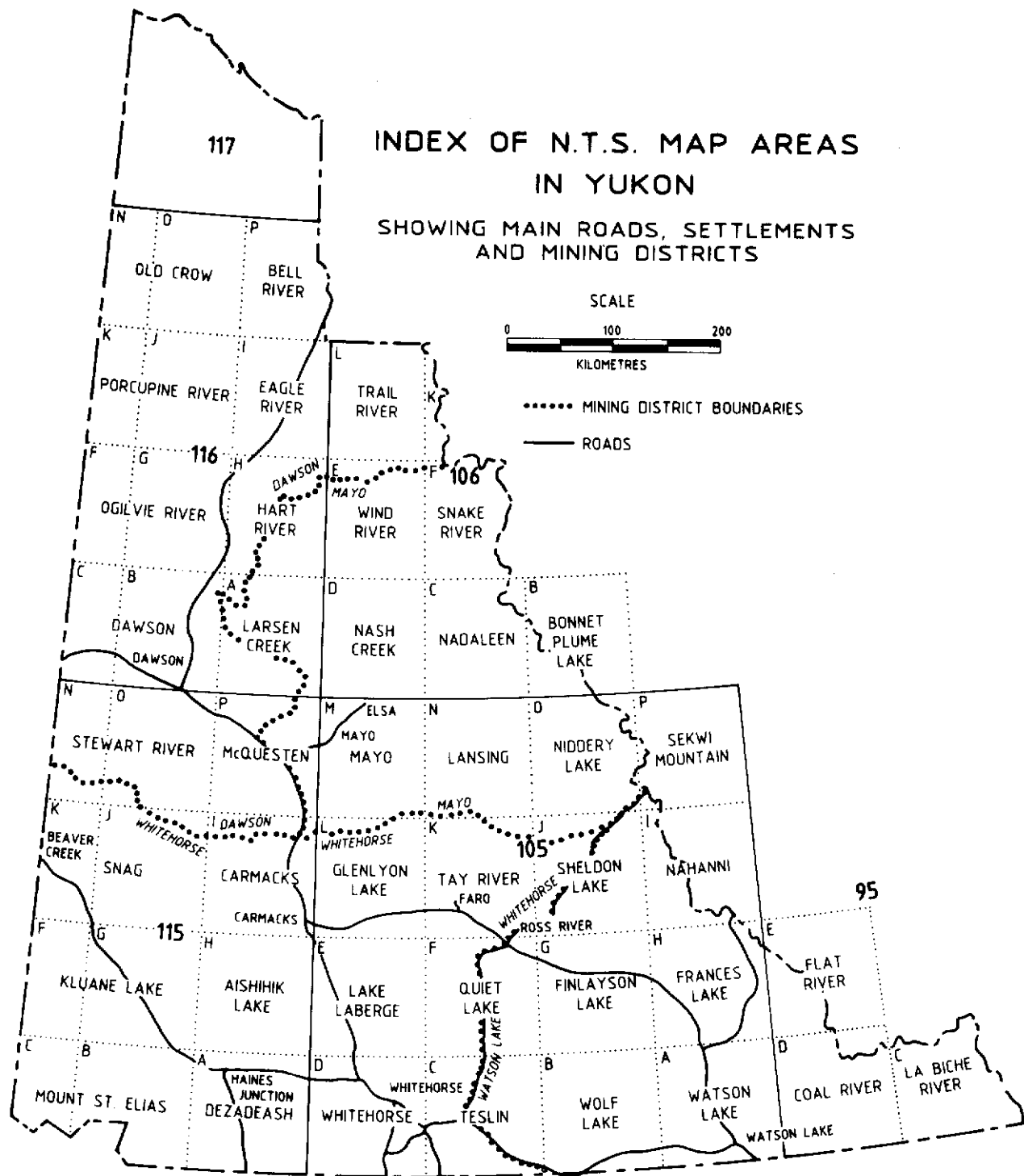


**SUMMARY OF PROSPECTOR'S ASSISTANCE AND  
EXPLORATION INCENTIVES PROGRAM,  
YUKON GOVERNMENT**

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
<b>COAL PROJECTS</b>			
Whitehorse Coal Corporation	WHITEHORSE COAL	105D11	17,497.12
		Subtotal	\$17,497.12
<b>PLACER PROJECTS</b>			
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
<b>HARDROCK (QUARTZ) PROJECTS</b>			
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



**SUMMARIES OF ASSESSMENT WORK,  
DESCRIPTION OF MINERAL PROPERTIES  
AND MINERAL CLAIMS STAKED IN 1987**

All known mineral occurrences in Yukon and areas known to have been staked for their mineral potential are represented by symbols on the following series of topographic maps, which are reduced from 1:250 000 scale. The map symbols are located as close as possible to the showing or showings on each property, or in the case of a work target to the centre of the strongest geochemical anomaly or area of mineralized float. The shape of each symbol indicates in a general way the deposit type, while the coloration of the symbol is an indication of the most important elements present. The symbols are explained in the legend on the following page.

Each mineral occurrence or work target on a given map sheet is assigned a unique identification number. The identification number is used to locate further information on the occurrence which is listed in the pages immediately following the map. The information listed includes the occurrence name, deposit type, commodities present, NTS location, deposit status and significant references.

The occurrence name is the most commonly used name or names for the showing or the name of the first claims staked to cover it. A work target with no documented showings may be included with an immediately adjoining property until there is evidence of a new discovery that warrants a separate name and number. Or, if there are no adjoining claims and the new claims are the first ones staked in the area, the target may be assigned a new name and number. A certain amount of guesswork is involved in deciding whether new claims should stand alone or be assigned to an existing property. The maps and lists are updated from year to year as new information allows these questions to be resolved. The deposit status is a number which reflects the stage of development the property has reached based on information publically available. Status numbers should be interpreted as follows:

1. In production
2. Calculated reserves, never produced
3. Past producer with calculated reserves
4. Past producer without calculated reserves
5. Length, thickness and grade defined, but no published reserves
6. Grade and one dimension (length or thickness) established  
(drill intersection or chip sample across trench or outcrop)
7. Mineralization present in outcrop; grab sample assays may be available
9. Work Target: information not available or mineralization not yet found in outcrop - may cover geochemical or geophysical anomalies or areas of mineralized float

The assessment work summaries are organized in order of occurrence number following each map sheet and mineral occurrence list. Where the work pertains to a target adjoining a previously known showing or work target the name of the adjoining property is used until there is evidence that a separate showing exists. Adjoining properties may share the same name without having any other affiliation.

Further information on the properties listed may be available from the National Mineral Inventory (NMI), a looseleaf file maintained by Department of Energy, Mines and Resources. A copy of this file is available for viewing at the Map Sales counter at 200 Range Road, Whitehorse. An accurate and comprehensive inventory of Yukon mineral showings is also maintained by

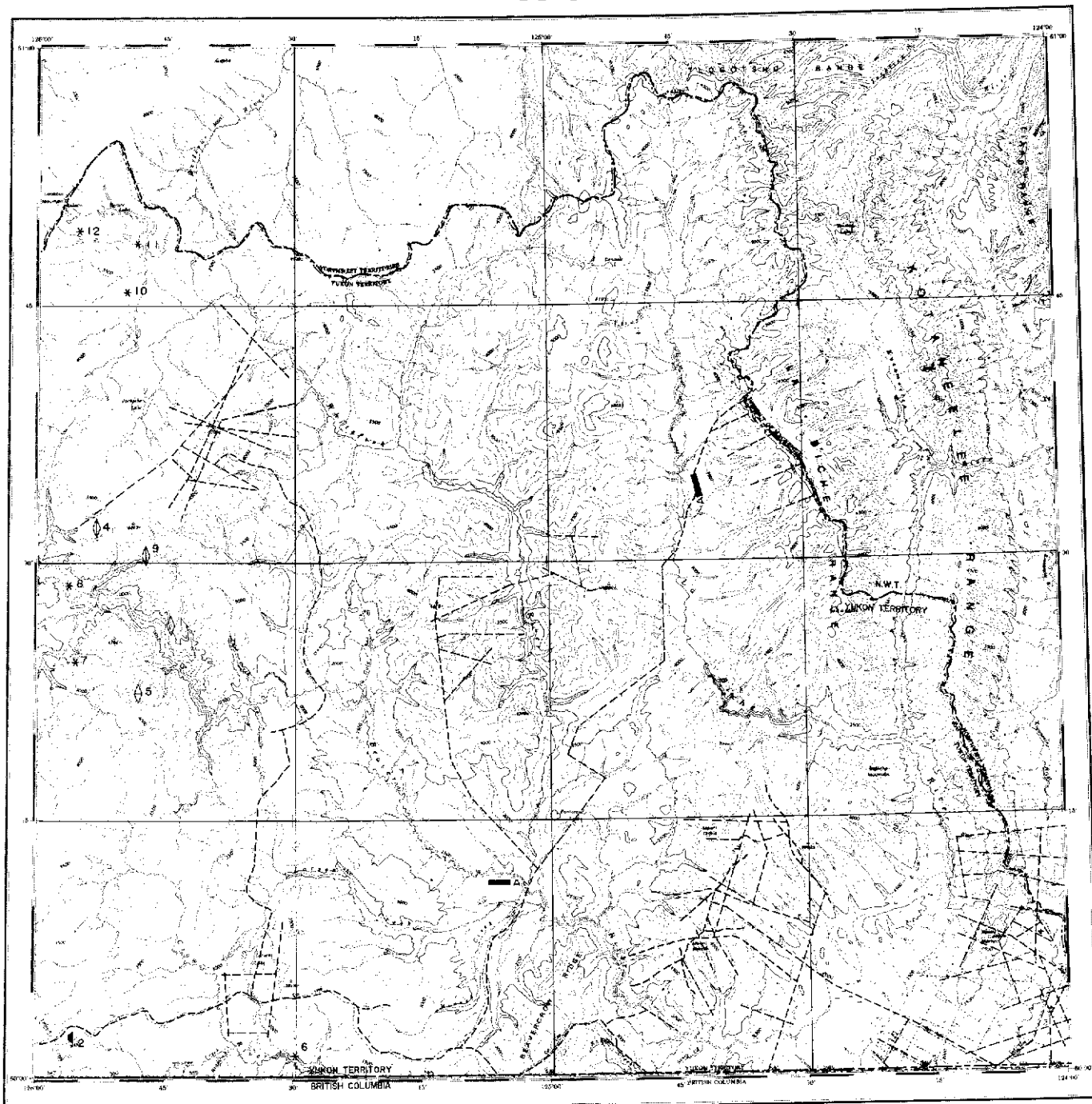


# LEGEND FOR MINERAL OCCURRENCE MAPS

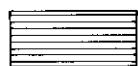
SYMBOL	COMMODITY	DEPOSIT TYPE
◆	Pb-Zn (±Au±Ag±Ba±Cu)	Stratabound Concordant
◀	Ba (±Ag±Au±Pb±Zn)	
◁	Fe (±Pb±Zn)	
◊	Au	
◇	Other	
▼	Pb-Zn (±Ag±Ba±Cu)	Stratabound Discordant
▽	Cu	
∇	U	
■	Cu (±Mo±Au±Ag±Pb)	Intermediate and Felsic Intrusion Associated (Porphyry, Sheeted Vein System)
▣	Mo (±Cu±W±Pb)	
▤	W (±Mo±Sn±Au)	
●	Cu (±Au±Ag±Fe±Pb±Zn±W±Co±Mo±Pt±Pd)	Skarn
◐	Pb-Zn (±Ag±Sn±Cu±W)	
◑	W (±Au±Mo±Sn±Zn±Cu±Pb)	
◒	Sn (±Au±Ag±W±Zn)	
◓	Other	
⬇	Au (±Sb±Mo±Cu±Pb)	Vein, Replacement Breccia
⬈	Ag (±Pb±Zn±Ba±Sb±Sn±Cu±W)	
⬉	Au-Ag (±Pb±Zn±Sb±Cu±Ba±Bi)	
⬊	Cu (±Au±Ag±Pb±Zn±Ba±Mo±W±Co±Ni)	
⬋	Sn (±Ag±Zn±Cu±Au±Pb)	
⬌	U, Rare Earth Elements (±Th±Nb±Cu±Co±Ag±Au±Sn)	
⬍	Pb-Zn (±Cu±Ag±Ba±Sb±Co±Mo)	
⬎	Other / Barite	
▲	Ni, Cu (±Platinum Group Elements±Asbestos)	Mafic and Ultramafic Intrusion Associated
△	Cr	
▲	Asbestos	
△	Lode	
●	U and/or Cu (±Co±Au±Mo±Ba±Ag)	Wernecke Breccia, Granite Associated
◐	Pb-Zn	
◑	U	
◆	Topaz	Pegmatite
■	Coal	Unclassified
⬇	Commodity known	Unclassified
●		Work Target

Archer, Cathro and Associates (1981) Ltd and is available from them on a fee and subscription basis.

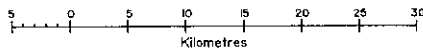




LA BICHE RIVER  
YUKON TERRITORY



Lands withdrawn from staking  
due to Native Land Claims  
(see specific claim map for  
accurate location and  
additional sites of withdrawal).



- Tote Trail.
- Driveable Road.
- A Airstrip.

## LA BICHE RIVER MAP-AREA (NTS 95 C)

General Reference: GSC map 1380A by R.J.W. Douglas, 1976.

NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	POOL	Vein Ba	95 C 5	7	
2	TROPICAL	Occurrence Ba Pb Zn	95 C 4	7	
4	TING	Vein Pb Ag Zn	95 C 12	6	INAC (1981, p. 131)
5	VISTA	Vein Rare Earth Elements	95 C 5	7	INAC (1987, p. 99)
6	DUFFY	Work Target	95 C 4	9	INAC (1982, p. 83)
7	THOR	Work Target	95 C 5	9	INAC (1982, p. 83)
8	TRANZ	Work Target	95 C 5	9	INAC (1985, p. 119)
9	BEAV	Vein Pb Zn	95 C 5	9	INAC (1986, p. 28)
10	DEEK	Work Target	95 C 13	9	INAC (1986, p. 28-29)
11	MARS	Work Target	95 C 13	9	INAC (1983, p. 81)
12	RUSH	Work Target	95 C 13	9	INAC (1985, p. 120)
				9	INAC (1983, p. 81)

VISTA  
Consolidated Silver Standard Mines Ltd

Rare Earth Elements, Vein  
95 C 5 (5)  
60°23'N, 125°47'W  
1986

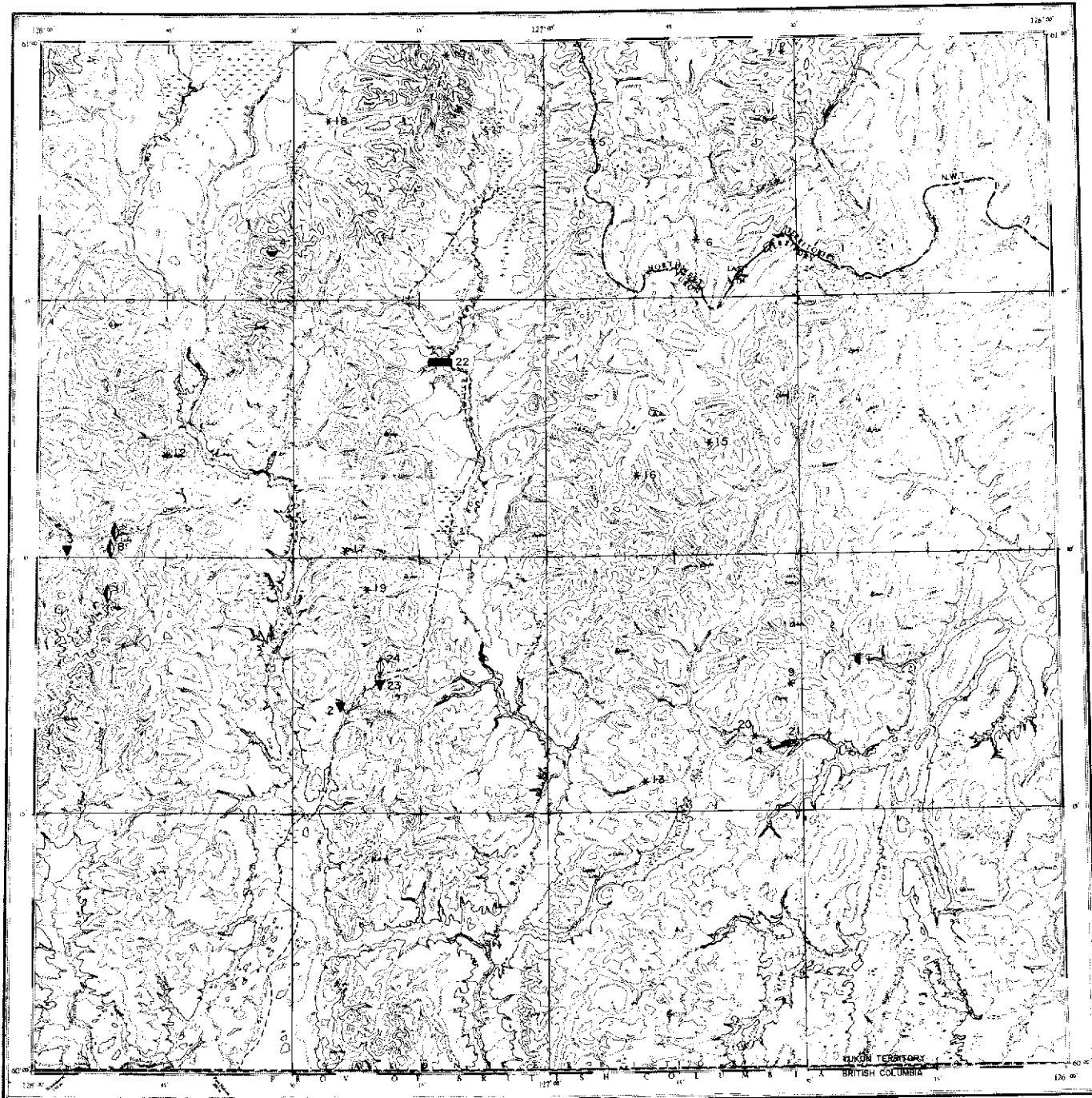
References: INAC (1985, p. 121; 1987, p. 89-90)

Claims: KID 1-8; MGM 1-44

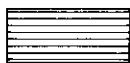
Source: Summary by W.P. LeBarge from assessment report 091707 by L.R. Haynes.

#### Current Work and Results:

In 1986 the geochemical program involved the collection of 50 soil samples and 116 rock chip and grab samples, for the purpose of resampling areas with anomalous Rare Earth Elements and extending known mineralized zones. Several rock samples gave anomalous values for Rare Earth Elements including 11 with greater than 0.5% REE and 2 with greater than 2.0% REE. Soil sampling outlined several distinct REE highs coincident with radioactive fenite zones.



**COAL RIVER**  
YUKON TERRITORY



Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



- Tote Trail.
- Driveable Road.
- A Airstrip.

## COAL RIVER MAP-AREA (NTS 95 D)

General Reference: GSC Map 11-1968 by H. Gabrielse, 1969.

NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	GUSTY	Occurrence Pb Zn Ba	95 D 8	7	Gabrielse & Blusson (1969, p. 16)
2	MEL-HOSER	Stratabound Discordant Pb Zn Ba	95 D 6	2	Miller (1984), Miller and Wright (1986); INAC (1987, p. 93-94)
3	McMILLAN	Stratabound Discordant Pb Zn Ag	95 D 12	2	Morin (INAC 1981, p. 105-109); INAC (1982, p. 85); Vailancourt (INAC 1983, p. 73-77)
4	CHU	Skarn Pb Zn	95 D 13	7	
5	GABE	Work Target	95 D 15	9	Gabrielse & Blusson (1969, p. 16), INAC (1981, 133)
6	LAST	Work Target	95 D 15	9	Lambert (1969, p. 21-23)
7	STONEMARTEN	Work Target	95 D 15	9	Lambert (1969, p. 21-23)
8	PORKER	Vein Replacement Au	95 D 12, 5	6	INAC (1987, p. 94-95)
9	WOLF	Work Target	95 D 7	9	INAC (1982, p. 86)
10	SPORK	Work Target	95 D 14	9	INAC (1981, p. 133; 1982, p. 87)
11	CUZ	Vein Au	95 D 5	7	INAC (1987, p. 95-97)
12	PLAY	Work Target	95 D 12	9	INAC (1983, p. 83-87)
13	LOOTZ	Work Target	95 D 7	9	INAC (1983, p. 83-84)
14	JT	Work Target	95 D 7	9	INAC (1983, p. 83-85)
15	QUODDER	Work Target	95 D 10	9	INAC (1983, p. 83, 85)
16	OK	Work Target	95 D 10	9	INAC (1983, p. 83, 85-86)
17	STAR	Work Target	95 D 11	9	INAC (1982, p. 86)
18	HERPES	Work Target	95 D 14	9	INAC (1983, p. 83, 85-86)
19	QUO	Work Target	95 D 6	9	INAC (1983, p. 83, 86)
20	LOBO	Work Target	95 D 7	9	INAC (1983, p. 83, 86)
21	SPRUCE	Stratiform Zn Ba	95 D 7	7	INAC (1985, p. 124)
22	ROCK RIVER	Coal	95 D 11	2	INAC (1982, p. 83, 86); Long (1986); Wright and Miller (1986)
23	MEL-EAST	Stratabound Discordant Pb Zn	95 D 6	9	INAC (1986, p. 32)
24	JERI	Vein/Replacement Zn	95 D 6	6	INAC (1987, p. 97-98)

MEL (HOSER)  
Novamin Resources Inc.

Lead, Zinc, Barite Strata-  
bound Discordant  
95 D 6 (2)  
60°22'N, 127°25'W  
1987

References: Miller and Wright (1986); INAC (1987, p. 93)

Claims: JEAN 1-21; WET 1-32; SOV 1-6; MEL 11-16; JOE 1-2F

Source: Summary by T. Bremner of assessment report 091944 by D.C. Miller.

### Current Work and Results:

In 1987, seven BQ holes totalling 2011.99 m were drilled on the MEL property. Three of the holes were drilled south of the main zone and the

other four holes tested the main deposit at depth. All of the drillholes penetrated wavy-banded limestone and interbedded calcareous shale. Rocks in the main zone are severely deformed. Tight folds, strong boudinage structures, breccia zones, abundant quartz-calcite veining and vuggy fractures are common.

The 1987 drilling intersected coarse-grained honey-coloured sphalerite and minor galena and pyrite in silicified calcareous shale cut by calcite-quartz veins and brecciated in places. The best intersections averaged 12.08% Zn, 0.02% Pb and 54.53% barite over 10.33 m in DDH 87-4 and 19.72% Zn and 2.08% Pb over 6.15 m in DDH 88-5. Barite is a highly variable constituent of the ore, ranging from an average of 54.53% in DDH 87-4 to 0.07% in DDH 87-5.

**PORKER**  
Hyland Gold Joint Venture

Gold Vein/Replacement  
95 D 5, 12 (8)  
60°31'N, 127°52'W  
1987

**References:** INAC (1987, p. 94-95)

**Claims:** PIGLET 1-32; QUIVER 1-34; SOW 1-5

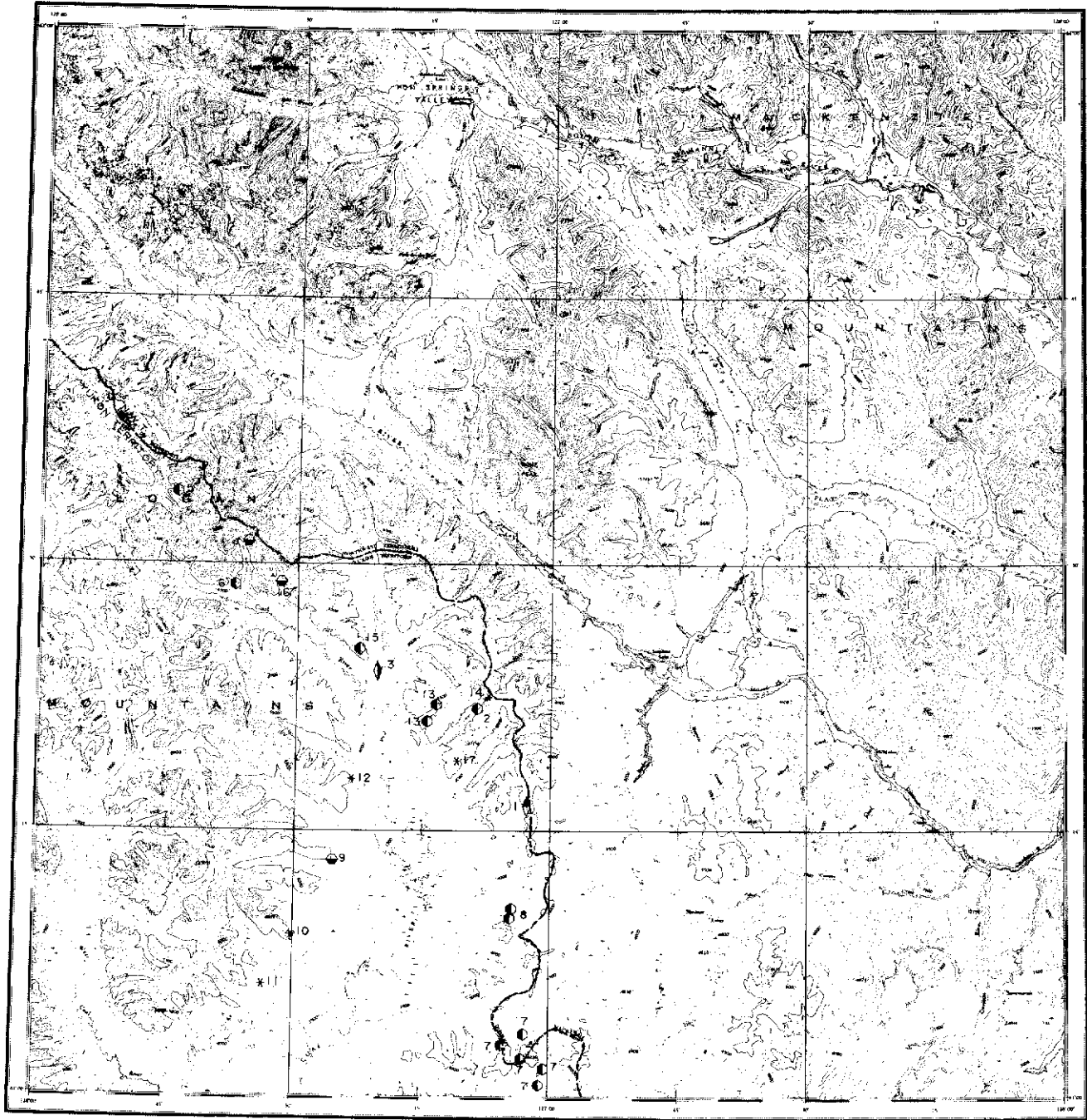
**Source:** Summary by T. Bremner of assessment report 092005 by J.T. Dennett and W.D. Eaton (Archer, Cathro and Associates (1981) Ltd.

**Current Work and Results:**

In 1987, 22 bulldozer trenches were excavated along the main trend of gold-bismuth-arsenic soil anomalies, exposing 4125 m of bedrock which was systematically channel-sampled. Significant geochemical values were obtained from graphitic horizons and limonite breccias. A graphitic shear zone and adjacent tuffaceous quartzite showing intense quartz-pyrite-tourmaline alteration was exposed in trench 87-11 close to a major north-trending fault. The weighted average grade across the shear zone and altered wallrock is 2.3 g/t Au over 15.5 m. A limonitic breccia zone exposed in trench 87-6 produced assays up to 2.54 g/t Au over 5 m. The breccia is cut off on the east side by faults. The north and west limits of the breccia are presently unknown but to the south it grades into a 20-30 m wide stockwork zone with a 5 to 10 m wide strongly fractured core. The stockwork zone in trench 87-13 averaged 1.54 g/t Au over 25 m including one interval that assayed 3.98 g/t Au across 5 m.



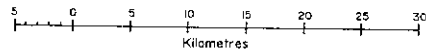
95 E



FLAT RIVER  
YUKON TERRITORY

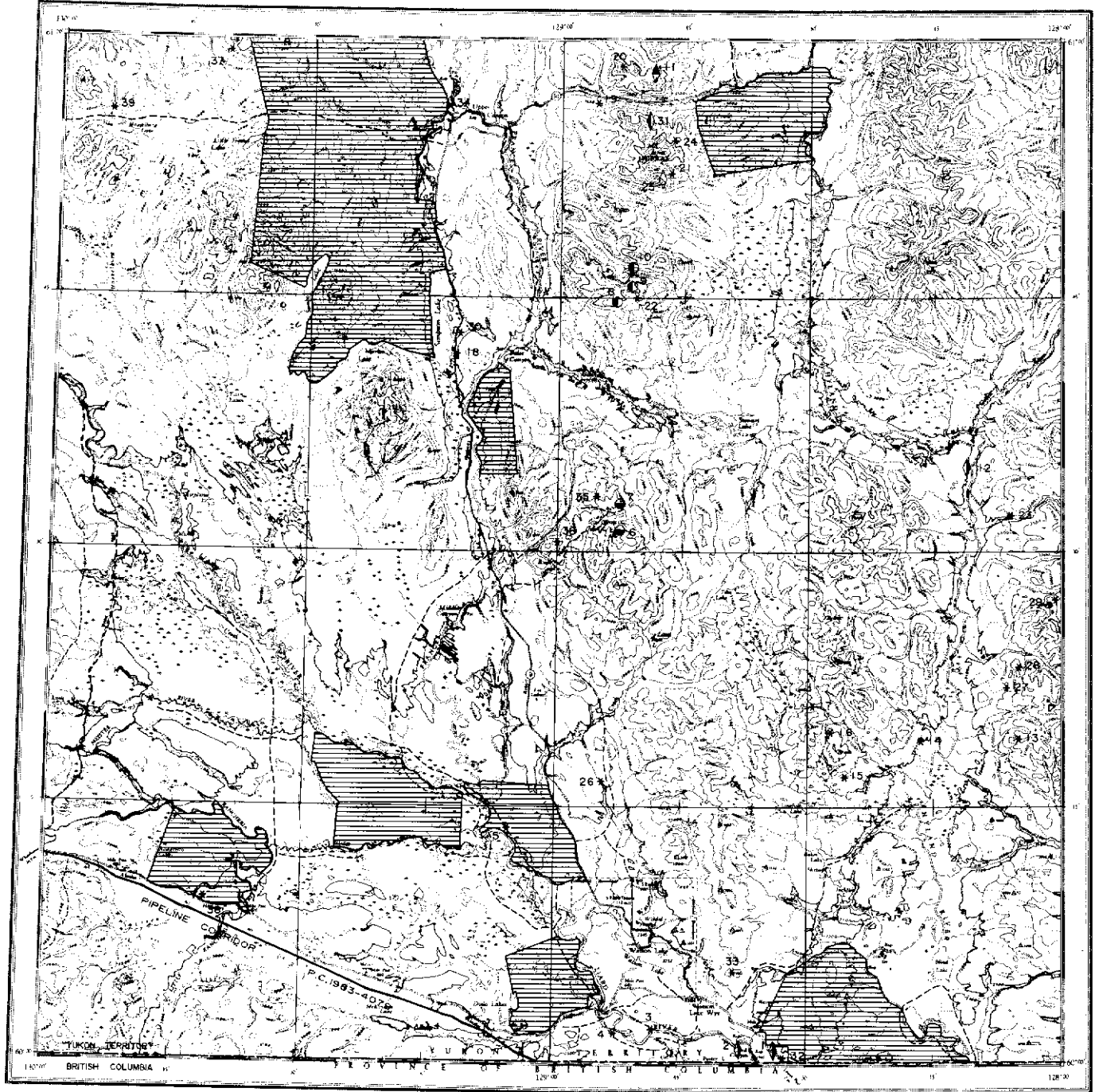


Lands withdrawn from staking  
due to Native Land Claims  
(see specific claim map for  
accurate location and  
additional sites of withdrawal).



- Total Trail.
- Driveable Road.
- A Airstrip.

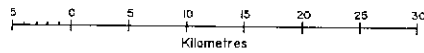
NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	TWIN (SUNSET)	Vein Cu Ag Pb Zn Au	95 E 6	6	Morin <i>et al</i> (1980, p. 50)
2	KOMISH	Skarn W	95 E 6	7	
3	MARION	Vein Ag Pb Zn	95 E 6	7	Mulligan (1964, p. 81); Gabrielse <i>et al</i> (1965, p. 28)
4	HEATHER	Skarn Zn Pb (Ag Sn)	95 E 12	7	
5	CAESAR	Skarn W	95 E 12	7	
6	CHARLIE	Skarn W Mo	95 E 5	7	D.I.A.N.D. (1981, p. 135)
7	IYO	Skarn W	95 E 3	6	D.I.A.N.D. (1983, p. 89)
8	SNEET	Skarn W	95 E 3	7	D.I.A.N.D. (1981, p. 136)
9	FYIQ	Skarn Pb Zn Cu	95 E 3	7	D.I.A.N.D. (1981, p. 136-137)
10	JOSE	Work Target	95 E 4	9	D.I.A.N.D. (1981, p. 137)
11	NOWA	Work Target	95 E 4	9	D.I.A.N.D. (1981, p. 137)
12	HOGIE	Work Target	95 E 6	9	D.I.A.N.D. (1981, p. 137)
13	CREAM	Skarn W	95 E 6	7	D.I.A.N.D. (1983, p. 89)
14	LABELLE	Work Target	95 E 6	9	D.I.A.N.D. (1981, p. 137)
15	ROSE	Skarn W	95 E 6	6	D.I.A.N.D. (1982, p. 90)
16	RIO	Skarn Ag Pb Zn	95 E 5	5	D.I.A.N.D. (1982, p. 90)
17	VNER	Work Target	95 E 6	9	D.I.A.N.D. (1982, p. 90)



WATSON LAKE  
YUKON TERRITORY



Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



- Total Trail.
- Driveable Road.
- A Airstrip.

## WATSON LAKE MAP-AREA (NTS 105 A)

General Reference: GSC Map 19-1966 by J. Gabrielse, 1966.

NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	WATSON	Vein Ag Pb Zn	105 A 2	7	INAC (1986, p. 38)
2	NAZO	Vein Ag Pb Ba	105 A 2	5	INAC (1986, p. 39)
3	CAROL	Work Target	105 A 2	9	Loro (1944, p. 19)
4	ALBERT	Work Target	105 A 2	9	Lord (1944, p. 19)
5	SAWMILL	Work Target	105 A 3	9	Lord (1944, p. 19)
6	HUNDERE	Skarn Pb Zn Ag	105 A 10, 7	2	Abbott (1981, p. 45-50); INAC (1987, p. 104)
7	RITCO	Skarn Pb Zn Ag	105 A 10	9	INAC (1986, p. 40)
8	OSCAR	Skarn W Cu Mo	105 A 10	7	
9	PAT	Skarn W Cu	105 A 15	2	INAC (1981, p. 140)
10	MARTIN	Skarn W Cu	105 A 15	7	
11	NOTT	Vein Cu Pb Zn Ag	105 A 15	6	INAC (1982, p. 93-94; 1986, p. 42); This report
12	WARBURTON	Vein Ag Cu Pb Zn	105 A 9	7	INAC (1985, p. 131, 132)
13	HYLAND	Work Target	105 A 8	9	INAC (1982, p. 94; 1986, p. 42)
14	TILL	Work Target	105 A 8	9	INAC (1981, p. 141)
15	LING	Work Target	105 A 8	9	INAC (1981, p. 141)
16	TOMMY	Work Target	105 A 8	9	INAC (1981, p. 141)
17	CELESTIAL	Work Target	105 A 8	9	INAC (1982, p. 94)
18	FALSE	Work Target	105 A 11	9	INAC (1981, p. 141)
19	KLUNK	Work Target	105 A 15	9	INAC (1981, p. 141)
20	BLACK	Work Target	105 A 15	9	INAC (1982, p. 94-95)
21	MURRAY (RAY)	Work Target	105 A 15	9	INAC (1981, p. 140)
22	PEGASEUS	Work Target	105 A 15	9	INAC (1981, p. 141)
23	GUM BEE	Work Target	105 A 9	9	Morin et al (1980, p. 51)
24	EMILY	Work Target	105 A 15	9	Morin et al (1980, p. 52) INAC (1986, p. 42)
25	MARK	Vein W	105 A 15	7	Morin et al (1980, p. 52)
26	GE	Work Target	105 A 7	9	INAC (1985, p. 131, 132)
27	CJ	Work Target	105 A 8	9	INAC (1982, p. 95)
28	MJM	Work Target	105 A 8	9	INAC (1982, p. 95)
29	AUP	Work Target	105 A 8	9	INAC (1983, p. 91-92)
30	CASHBOX	Work Target	105 A 11	9	INAC (1982, p. 95)
31	MOLLY	Vein Mo Au	105 A 15	7	INAC (1986, p. 41)
32	P.D.	Work Target	105 A 2	9	INAC (1985, p. 131)
33	MEL	Work Target	105 A 2	9	INAC (1985, p. 131)
34	PUG	Work Target	105 A 14	9	INAC (1985, p. 132)
35	NORTHWEST	Work Target	105 A 10	9	INAC (1986, p. 41; 1987, p. 104)
36	MIX	Work Target	105 A 4	9	INAC (1986, p. 42)
37	TIM	Work Target	105 A 13	9	INAC (1986, p. 42)
38	BUNYIP	Work Target	105 A 10/11	9	INAC (1987, p. 104)
39	LIV	Work Target	105 A 13	9	INAC (1987, p. 104)

HUNDERE  
Canamax Resources Inc.

Lead, Zinc, Silver Skarn  
105 A 7, 10 (6)  
60°32'N, 128°53'W  
1986

References: Abbott (1981, p. 45-50); INAC (1987, p. 104)

Claims: MICA 1-41; CIMA 13-102; HUN 1-308

Source: Summary by T. Bremner of assessment report 091927 by A.C. Hitchins.

**Current Work and Results:**

Drilling in 1986 consisted of 20 NQ holes totalling 3094 m. Seven of the drillholes penetrated narrow mineralized skarn bands. The best results were reported from DDH 86-132, where the thickest of three skarn bands contained 7.45% Pb, 10.36% Zn and 25.7 g/t Ag over 6.45 m. DDH 86-139 cored five metres of massive magnetite-pyrrhotite replacement mineralization in limestone.

NOTT  
Morengo Resources, Inc.

Copper, Lead, Zinc, Silver  
Vein  
105 A 15 (11)  
60°59'N, 128°49'W  
1986, 1987

References: INAC (1982, p. 93-94)

Claims: QUEEN 1-20

Source: Summary by T. Bremner of assessment reports 091986 by P.A. Christopher and 091987 by W. Waters.

**Description:**

Chalcopyrite, galena, sphalerite, pyrite and tetrahedrite occur in sheared, fractured quartz monzonite of Cretaceous age. The sulphides occur as disseminations or fracture fillings in a zone which trends 90-100° and may be up to 15 m wide. Three sets of pervasive fractures with orientations 000/80° W, 090/45° S and 000/horizontal form a boxwork pattern.

**Current Work and Results:**

Two samples were taken from the main prospect area during a brief property examination in 1986. A grab sample of muck from the edge of an old pit contained 1.51% Cu, 3.53% Pb, 4.04% Zn, 534.6 g/t Ag and 0.07 g/t Au. A three-metre chip sample assayed 0.39% Cu, 0.84% Pb, 0.85% Zn, 115.9 g/t Ag and 0.07 g/t Au.

In 1987, 5 BQ wireline holes totalling 353.9 m were drilled from two locations. Low-grade mineralization associated with intense potassic and propylitic alteration was encountered in all drillholes. All three sets of fractures were mineralized with galena, chalcopyrite and pyrite both at surface and in drill core. Disseminated galena, chalcopyrite and pyrite was also evident in surface rocks and in drill core. A 1.5 m sample from DDH #1 returned 135 g/t Ag, 0.45% Cu, 0.56% Pb and 1.0% Zn.

**6. HUNDERE**

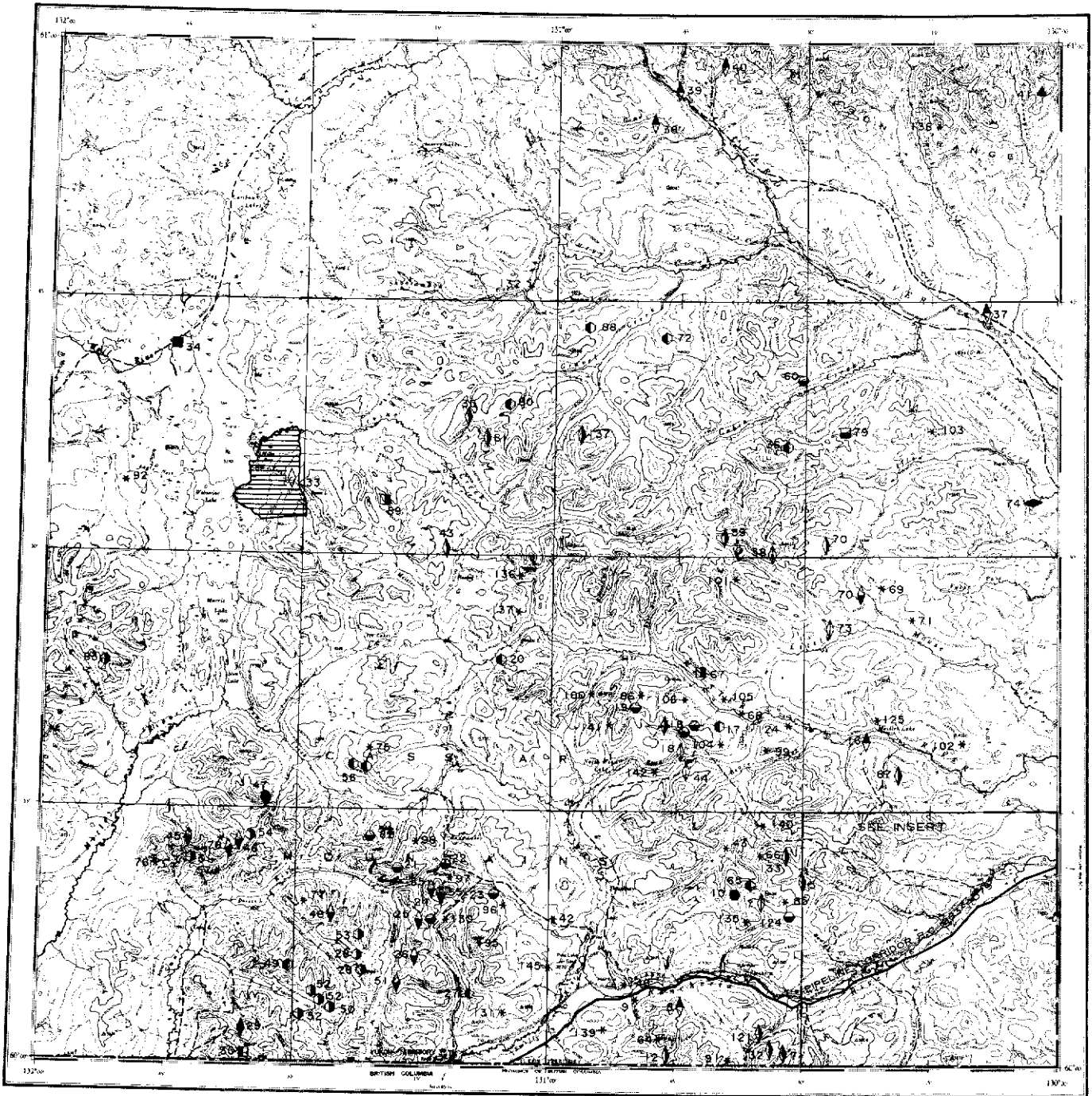
Canamax Resources Inc.  
105 A 10  
60°33'N, 128°55'W

Claims: HUN 309-318

**31. MOLLY**

A. Black  
105 A 15  
60°55'N, 128°49'W

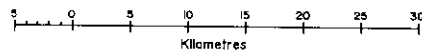
Claims: JACK 5-8



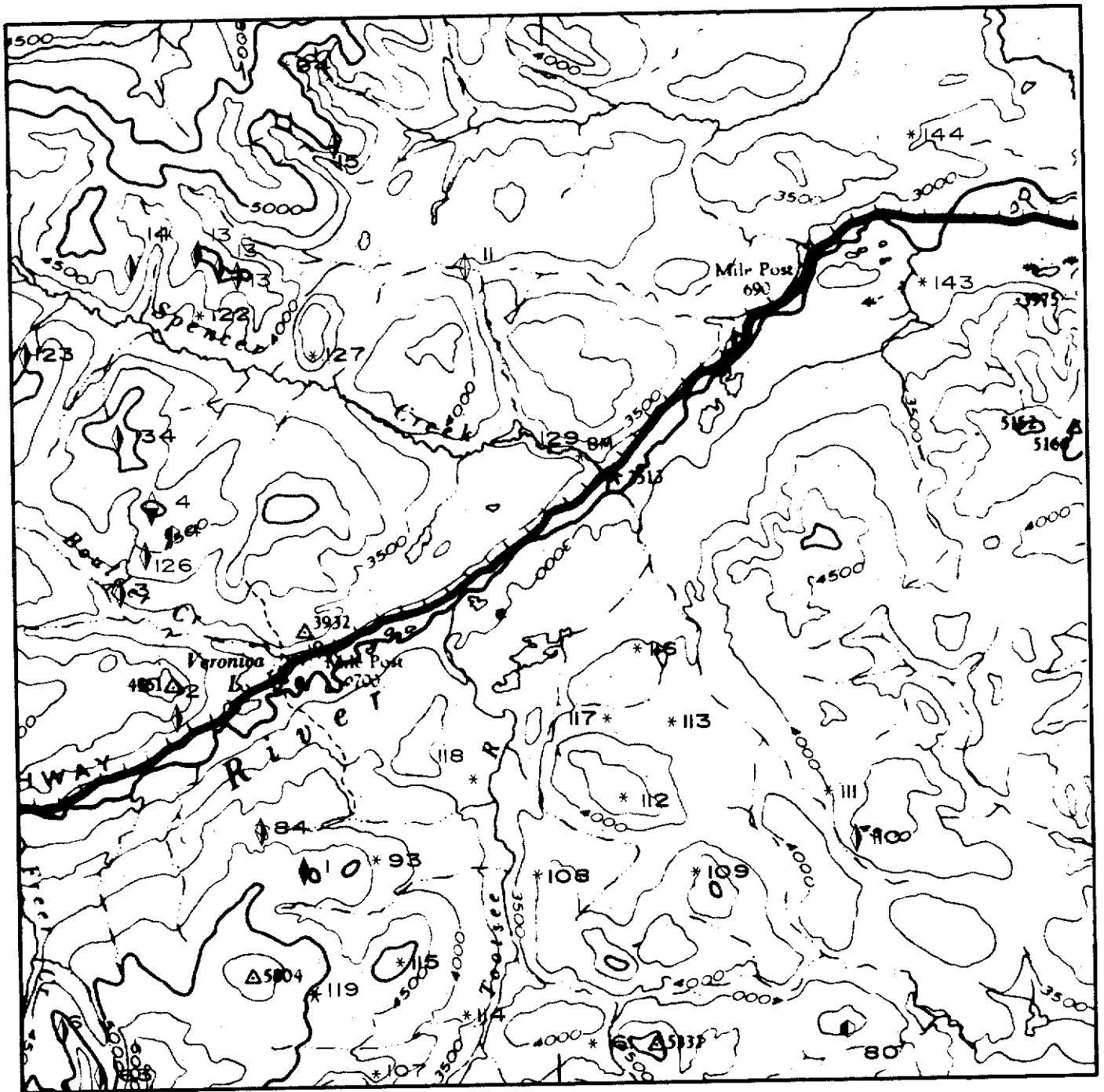
WOLF LAKE  
YUKON TERRITORY



Lands withdrawn from staking  
due to Native Land Claims  
(see specific claim map for  
accurate location and  
additional sites of withdrawal).



- Tote Trail.
- Driveable Road.
- A Airstrip.





## WOLF LAKE MAP-AREA (NTS 105 B)

General References: GSC Map 10-1960 by W.H. Poole, J.A. Roddick and L.H. Green, 1960;  
 INAC Open File 1986-1 (105 B 1 and 2) by G.W. Lowey and J.F. Lowey, 1986;  
 INAC Open File 1987-1 (105 B 7 and 8) by S.W. Amukun and G.W. Lowey, 1987;  
 INAC Open File 1988-1 (105 B 10 and 11) by D.C. Murphy, 1988;  
 GSC Geochemical Open Files 1289 and 563.

NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	LORD (IDAHD)	Vein, Replacment Au Ag Pb Zn	105 B 1	7	Lowey and Lowey (1986, p. 92); INAC (1987, p.111)
2	STERLING	Vein Ag Pb Zn	105 B 1	7	Lowey and Lowey (1986, p. 89-90); This Report
3	LUCK	Replacement Pb Zn Ag	105 B 1	6	Lowey and Lowey (1986, p. 83-84); INAC (1987, p.113-114); This Report
4	FIDDLER	Vein Pb Zn Ag, Skarn W Mo	105 B 1	6	INAC (1981, p. 144); Lowey and Lowey (1986, p. 87-89)
5	LENA	Vein Pb Zn Ag	105 B 1	7	INAC (1985, p. 140); Lowey and Lowey (1986, p. 103-104); This Report
6	DALE	Vein Pb Zn Ag	105 B 1	5	INAC (1985, p. 140-141); Lowey and Lowey (1986, p. 82-83)
7	HOLLIDAY	Vein Ag Pb Zn	105 B 2	7	Lowey and Lowey (1986, p. 101-102); INAC (1987, p. 114-115)
8	TROY	Vein, Replacement Cu	105 B 2	7	Lowey and Lowey (1986, p. 98)
9	CARLICK	Work Target	105 B 2	9	INAC (1985, p. 142; 1986, p. 59); Lowey and Lowey (1986, p. 104-105)
10	SHILSKY	Skarn Cu	105 B 2	7	Lowey and Lowey (1986, p. 98-99); INAC (1987, p.115-117)
11	KUBIAK	Vein Pb Zn	105 B 1	7	INAC (1986, p. 58)
12	BLACK ROCK	Vein Ag Pb Zn Cu	105 B 2	7	Lowey and Lowey (1986, p. 106)
13	KOOIAK	Vein, Replacement Pb Ag Zn	105 B 1	7	Lowey and Lowey (1986, p. 90-91); INAC (1986, p. 48; 1987, p. 117-118)
14	HARDTACK	Vein Ag Pb Zn	105 B 1	7	Lowey and Lowey (1986, p. 85-86); INAC (1987, p. 118-120)
15	KERNS	Vein Ag Pb Zn Cu W	105 B 1	7	INAC (1985, p. 144); Lowey and Lowey (1986, p. 93-94)
16	MEISTER	Vein Cu	105 B 8	7	
17	NITE	Skarn W Mo Zn	105 B 7	7	Amukun and Lowey (1987)
18	MIDNIGHT (MID)	Skarn, Vein Pb Ag	105 B 7	6	Amukun and Lowey (1987); INAC (1987, p. 121); This Report
19	AURORA	Vein, Skarn Ag Pb Zn Cu	105 B 7	7	INAC (1986, p. 56); Amukun and Lowey (1987)
20	ALMOST	Skarn W	105 B 6	7	
21	HIDDEN (PONT B)	Skarn Pb Zn Cu W	105 B 3	7	Morin et al (1980, p. 56)
22	ATOM	Skarn Zn	105 B 3	7	INAC (1981, p. 144); INAC (1985, p. 150)
23	BAR	Skarn Zn Pb Ag	105 B 3	6	INAC (1981, p. 144; 1983, p. 95, 101; 1985, p. 150)
24	BOM	Skarn Zn Pb Ag	105 B 3	7	INAC (1983, p. 95-96; 1985, p. 150)
25	MUNSON	Vein Stockwork Sn (W Mo Cu), Skarn Zn Pb W Cu	105 B 3	7	INAC (1981, p. 145)
26	PARTRIDGE (VAL A)	Vein Sn, Skarn Zn	105 B 3	7	INAC (1981, p. 147)
27	GEM	Pegmatite Topaz	105 B 3	7	INAC (1981, p. 147)
28	VAL B	Skarn Sn Zn	105 B 3	7	INAC (1983, p. 95-97)
29	LOGJAM	Vein Au Ag Pb Zn	105 B 4	5	This Report
30	LOGTUNG (BERYL)	Porphyry W Mo	105 B 4	2	INAC (1982, p. 98, 105); Nobie, Spooner and Harris (1986)
31	J.C. (VIOLA)	Skarn Sn	105 B 4	6	INAC (1983, p. 95, 97); Layne and Spooner (1986)
32	POG	Vein Ag Pb Zn	105 B 2	7	INAC (1985, p. 145); Lowey and Lowey (1986, p. 102-103)
33	TROUT	Vein Fe	105 B 12	7	
34	MUNG	Porphyry Cu	105 B 12	7	
35	IRVINE	Vein Ag Pb Zn, Skarn W	105 B 11	6	INAC (1987, p. 122-123); Murphy (1988); This report
36	TUNG	Skarn W	105 B 10	7	INAC (1981, p. 149); Murphy, (1988)
37	MOOSELICK	Vein Cu	105 B 9	6	Craig and Laporte (1972, Vol. 1, p. 138-139)
38	DOVE	Vein Cu	105 B 15	7	Green (1966, p. 84)
39	OLD GOLD	Vein Cu	105 B 15	7	Findlay (1967, p. 64)
40	RAINBOW	Vein Cu	105 B 15	7	
41	PORCUPINE	Asbestos	105 B 16	7	INAC (1982, p. 106)
42	OULETTE	work Target	105 B 2	7	INAC, Mines and Minerals Activities (1971, p. 73); INAC (1983, p. 95, 101)
43	ZAK	Vein Ag Pb Zn Cu	105 B 11	7	Sinclair & Gilbert (1975, p. 80); Murphy (1988)
44	BOY	Vein Pb	105 B 7	7	INAC (1981, p. 150); INAC (1985, p. 150)

45 M.C. (SWIFT)	Vein Sn, Skarn Zn	105 B 4	6	INAC (1986, p. 55)
46 DU	Vein Sn	105 B 4	6	INAC (1982, p. 99)
47 I	Skarn Cu W Mo	105 B 5	7	INAC (1982, p. 99, 105)
48 SIN	Vein Sn	105 B 3	7	INAC (1981, p. 152); INAC (1982, p. 105)
49 VH	Skarn W	105 B 3	7	INAC (1981, p. 152)
50 SLOUCE	Skarn Sn	105 B 3	7	INAC (1982, p. 99, 105)
51 SKIN	Vein Sn	105 B 3	7	INAC (1981, p. 152)
52 MW	Skarn Sn Zn	105 B 3	7	INAC (1982, p. 99)
53 MUM	Skarn Sn W	105 B 3	7	INAC (1983, p. 95, 97)
54 CAN	Skarn Sn	105 B 4	6	INAC (1982, p. 100)
55 STO	Vein Sn (Greisen)	105 B 3	6	INAC (1981, p. 145)
56 HL	Skarn W	105 B 6	5	INAC (1982, p. 100)
57 FUR	Work Target	105 B 4	9	INAC (1981, p. 155)
58 COM (54-59)	Vein Pb Zn	105 B 10	7	INAC (1981, p. 155); Murphy (1988)
59 BINGY	Vein Ag Pb Zn	105 B 10	7	INAC (1987, p. 124); Murphy (1988); This Report
60 CABIN	Skarn Pb Zn Ag	105 B 9, 10	9	INAC (1982, p. 100); Murphy (1988)
61 MIDWAY	Stratiform Barite	105 B 1	2	INAC (1987, p. 125)
63 LUCKY (ANT)	Vein Ag Pb Zn	105 B 1	7	Lowey and Lowey (1986, p. 84-85)
64 LICK	Work Target	105 B 2	9	INAC (1982, p. 101-102); Lowey and Lowey (1986, p. 105-106); INAC (1982, p. 102); Lowey and Lowey (1986, p. 99)
65 GOAT	Skarn W Mo Cu, Vein Zn Pb Ag	105 B 2	7	INAC (1982, p. 102); Lowey and Lowey (1986, p. 99)
66 BESSEY	Work Target	105 B 2	9	INAC (1981, p. 159); This Report
67 CARIBOU	Porphyry Mo	105 B 7	7	INAC (1981, p. 156)
68 OAKE	Work Target	105 B 7	9	INAC (1981, p. 156)
69 URSUS	Work Target	105 B 8	9	INAC (1982, p. 103)
70 LOGAN	Vein Zn Ag Sn Cu Au	105 B 9	6	Amukun and Lowey (1987); Murphy (1988); This Report
71 MOOSE	Work Target	105 B 8	9	INAC (1981, p. 156)
72 TEAM	Skarn Zn W	105 B 10, 15	7	INAC (1982, p. 103, 105); Murphy (1988)
73 LITTLE MOOSE	Vein Zn Pb Cu	105 B 8	7	INAC (1981, p. 157)
74 WOLF	Stratabound Concordant Zn Pb Cu Ag	105 B 9	6	INAC (1982, p. 103)
75 ICE	Work Target	105 B 6	9	INAC (1982, p. 103)
76 PLUG	Work Target	105 B 4	9	INAC (1981, p. 158)
77 PONT	Work Target	105 B 3	9	INAC (1981, p. 158)
78 ZINC	Work Target	105 B 4	9	INAC (1981, p. 158)
79 ELLE	Granite associated U, Skarn Pb Mo W	105 B 9	7	This Report
80 HOT	Skarn W	105 B 1	7	INAC (1981, p. 159); INAC (1986, p. 58); Lowey and Lowey (1986, p. 94-95)
81 SILVER CREEK	Vein Ag Zn	105 B 11	7	Murphy (1988)
82 GULL	Skarn Zn Pb (Ag Sn)	105 B 3	7	Morin et al (1980, p. 56); INAC (1983, p. 95, 101)
83 ANNI	Skarn Sn Zn	105 B 5	7	INAC (1983, p. 95, 98, 101); INAC (1985, p. 150)
84 MAC	Vein/Replacement Zn Pb Ag	105 B 1	6	INAC (1987, p. 128)
85 LOST	Work Target	105 B 2	9	INAC (1982, p. 105)
86 PINESOL	Work Target	105 B 7	9	INAC (1982, p. 105)
87 MEISTER RIVER (MR)	Replacement Pb Zn Ag	105 B 8	5	Lowey and Lowey (1986, p. 96); Amukun and Lowey (1987); INAC (1987, p. 129)
88 STONEAXE	Skarn W	105 B 10	7	INAC (1982, p. 104, 105); Murphy (1988)
89 THRALL	Porphyry Mo	105 B 11	7	INAC (1983, p. 95, 99-100)
90 SOURCE	Vein Ag Pb Zn	105 B 11	6	INAC (1987, p. 122-123); Murphy (1988)
91 BORDER	Work Target	105 B 2	9	INAC (1982, p. 104)
92 CO	Work Target	105 B 12	9	INAC (1982, p. 105)
93 LYDIA	Work Target	105 B 1	9	INAC (1986, p. 49)
94 CER	Work Target	105 B 1	9	INAC (1983, p. 101); This Report
95 SEA	Work Target	105 B 3	9	INAC (1983, p. 95, 101)
96 PARK	Work Target	105 B 3	9	INAC (1983, p. 95, 101)
97 FALL	Work Target	105 B 3	9	INAC (1983, p. 95, 101)
98 CRE	Work Target	105 B 3	9	INAC (1983, p. 95, 101)
99 BEA	Work Target	105 B 7	9	INAC (1983, p. 95, 101)
100 SAB	Work Target	105 B 7	9	INAC (1983, p. 95, 101); 1986, p. 59)
101 MEI	Work Target	105 B 7	9	INAC (1983, p. 95, 101)
102 GLEN	Work Target	105 B 8	9	INAC (1983, p. 95, 102)
103 TOD	Work Target	105 B 9	9	INAC (1983, p. 95, 100, 102)
104 MAR	Work Target	105 B 7	9	INAC (1983, p. 95, 101)
105 OTH	Work Target	105 B 7	9	INAC (1983, p. 95, 101)
106 BRX	Work Target	105 B 7	9	INAC (1983, p. 95, 101)
107 STAR	Work Target	105 B 1	9	INAC (1987, p. 130-131)
108 SUN	Work Target	105 B 1	9	INAC (1985, p. 149)
109 RUN	Work Target	105 B 1	9	INAC (1985, p. 149)
110 TIM (ERIC)	Vein/Breccia Ag Pb	105 B 1	7	INAC (1987, p. 131)
111 CARL	Work Target	105 B 1	9	INAC (1985, p. 149)
112 WIND	Work Target	105 B 1	9	INAC (1985, p. 149)
113 DILL	Work Target	105 B 1	9	INAC (1986, p. 50)
114 MOON	Work Target	105 B 1	9	INAC (1985, p. 148-149);
115 BLUE	Work Target	105 B 1	9	Lowey and Lowey (1986, p. 95)

116 ZAM	Work Target	105 B 1	9	INAC (1985, p. 149); INAC (1986, p. 58)
117 CORD	Work Target	105 B 1	9	INAC (1985, p. 149)
118 XL	Work Target	105 B 1	9	INAC (1985, p. 149)
119 GARRETT	Work Target	105 B 1	9	INAC (1985, p. 149)
121 ALAN	Vein Ag Pb	105 B 2	7	INAC (1985, p. 148-149); Lowey and Lowey (1986, p. 100-101); INAC (1987, p. 117-118)
122 AG	Deleted: same as #13, KODIAK			
123 SPENCER	Vein Ag Pb Zn	105 B 1, 2	6	1987, p. 117-118)
124 JOHN	Work Target	105 B 7	9	INAC (1986, p. 53)
125 TONI	Work Target	105 B 8	9	INAC (1985, p. 149)
126 PETE	Work Target	105 B 1	9	INAC (1985, p. 150)
127 HEAD	Work Target	105 B 1	9	INAC (1985, p. 37)
129 RAKE	Work Target	105 B 1	9	INAC (1987, p. 132)
130 MAS	Work Target	105 B 3	9	INAC (1986, p. 59)
131 CEA	Work Target	105 B 3	9	INAC (1986, p. 59)
132 MATHEW	Work Target	105 B 14	9	INAC (1987, p. 132-134)
133 WOLFY	Vein Ag Pb Zn	105 B 1	6	INAC (1987, p. 134)
134 DK	Deleted: same as #123, SPENCER			
135 SHEEP	Work Target	105 B 2	9	INAC (1987, p. 137)
136 KR	Work Target	105 B 6	9	This Report
137 JACOB (MR)	Work Target	105 B 10	9	Murphy(1988); This Report
138 BLACK	Work Target	105 B 16	9	INAC (1987, p. 137)
139 MCM	Work Target	105 B 2	9	INAC (1987, p. 137)
140 LIZ	Work Target	105 B 2	9	INAC (1987, p. 137)
141 HIT	Work Target	105 B 7	9	INAC (1987, p. 138)
142 ROE	Work Target	105 B 7	9	INAC (1987, p. 138)
143 JAY	Work Target	105 B 1	9	This Report
144 VIC	Work Target	105 B 1	9	This Report
145 PINE	Work Target	105 B 2	9	This Report
146 CHIEF	Work Target	105 B 2	9	This Report

LUCK  
Goldex Resource Inc.

Lead, Zinc, Silver  
Replacement  
105 B 1 (3)  
60°07'N, 130°27'W  
1987

References: Lowey and Lowey (1986, p. 83-84); INAC (1987, p. 113-114)

Claims: A&B 1-32; PIGGY 17-20, 27-38, 71-72; BUG 5-8; JA-P 1-4; BNA 1-6; LB 1-9

Source: Summary by T. Bremner of assessment report 091969 by T. Liverton (Tarmachan Exploration Services Ltd.).

#### Current Work and Results:

In 1987, 1.6 km of new road was pushed up Boulder Creek and bulldozer trenching was done on two VLF anomalies east of the original LUCK showing. An attempt to duplicate the VLF anomalies was unsuccessful and two magnetic traverses showed a uniform response along both lines. Both trenches failed to reach bedrock through 5 metres of glacial till. Some of the original trenches immediately east of the LUCK showing were lengthened and deepened, two new trenches were excavated and two areas near the main showing were stripped to bedrock.

At the original showing, fresh samples were obtained by drilling and blasting. The best grab sample assayed 31.6% Pb, 18.9% Zn and 750.1 g/t Ag. Mineralized bedrock was traced 13 m east from the original showing where stripping exposed massive sphalerite and galena over an area of 20 square metres. Fresh samples obtained by blasting in this area assayed up to 21.2% Pb, 10.2% Zn and 480 g/t Ag. A hundred metres further east, the bulldozer uncovered marble and phyllite bedrock and also some coarse massive calcite which contained galena and assayed 2.87% Pb and 75.1 g/t Ag.

The 1987 excavations appear to confirm the earlier interpretation that the sulphide bodies are saddle-reefs located in the hinges of tight southeast-plunging folds. Coarse massive calcite associated with the sulphides forms linear mullions within the fold hinges.

DK  
Sunrise Metals Corp.

Silver, Lead, Zinc Vein  
105 B 1 (4)  
60°08'N, 130°27'W  
1986

References: INAC (1981, p. 144); Lowey and Lowey (1986, p. 87-89)

Claims: DK 1-33

Source: Summary by T. Bremner of assessment report 091934 by A. Rich.

#### Description:

The DK claims lie northwest of the extensively explored FIDDLER Tungsten property. Lower Cambrian calcareous phyllite and slate are cut by numerous faults, and minor shears containing argentiferous galena, pyrite, sphalerite and traces of chalcopryite. The best mineralization occurs along northwest-trending structures, but a set of regularly spaced northeast-trending fractures is also mineralized.

#### Current Work and Results:

In 1986, three northwest-trending shear zones were uncovered by blasting and bulldozer trenching. The three resultant showings are named PIE, HAMMER and MB. The PIE and HAMMER zones are still open to the north and the MB zone is open at both ends. The PIE shear zone is at least 100 m long and 1.4 m wide, and contains yellow fault gouge, vuggy vein quartz and coarsely crystalline argentiferous galena. Galena fragments returned 1856.86 g/t Ag, 79.51% Pb and 0.13% Zn.

The HAMMER zone is more than 120 m long. Twelve test pits were excavated on this zone. In pit #9, sampling of an oxidized zone containing galena nodules returned 484.53 g/t Ag and 80.9% Pb over 10 cm. In pit #6, a grab sample of galena contained 1592.87 g/t Ag and 83.97% Pb. And in pit #8, a zone of galena-cored limonite nodules returned 762.59 g/t Ag and 43.37 % Pb over a width of 20 cm.

The MB zone consists of an oxidized vein up to 0.9 m wide containing goethite, hematite, pyrolusite, galena and sphalerite over a strike length of more than 120 m. Alteration and stringers of mineralization penetrate 4 m into the wall rock on the east side of the vein. Random grab samples from a test pit in this zone assayed 1131.39 g/t Ag.

**LENA**  
Listed Ventures Inc.

Lead, Zinc, Silver Vein  
105 B 1, 2 (5)  
60°10'N, 130°30'W  
1987

**References:** INAC (1985, p. 140); Lowey and Lowey (1986, p. 103-104)

**Claims:** LENA 1-4; SPENCER 1-60

**Source:** Summary by T. Bremner of assessment report 092111 by G.S. Davidson and R.C.R. Robertson.

**Current Work and Results:**

The property was visited briefly in 1987. A grab sample of sulphide veining in manganosiderite from the EAST zone returned 165.3 g/t Ag, 18% Zn and 2.85% Cu. A grab sample of rusty vuggy quartz from a bulldozer trench in the BOULDER zone contained sphalerite, minor pyrite and arsenopyrite and assayed 44.5 g/t Ag, 0.59% Pb and 0.66% Zn.

**MIDNIGHT**  
Silver Hart Mines Ltd

Lead, Zinc, Silver  
Vein  
105 B 1,2,7,8 (18)  
60°20'N, 130°44'W  
1987

**References:** INAC (1987, p. 121); Amukun and Lowey (1987)

**Claims:** CMC 1-104; SH 1-196; BEA 1-102; SAB 1-272; CAR 1-1181; GL 1-13

**Source:** Summary by T. Bremner of assessment report 091990 by P.A. Hawkins, 091992 by P. Ramaekers and 091965 by B. Fowler.

**Current Work and Results:**

A detailed fracture analysis was carried out in 1987 using 1:23 000 scale colour air photographs. The fracture patterns are significant because lead-zinc-silver mineralization on the property occurs in northeast-trending quartz veins and silicified fault zones marked by manganiferous gossans. More than ninety northeast-trending faults and fractures were identified within a 4 km radius of the CMC adit. Major north-trending lineaments appear to cut off the northeast set.

Extensive bulldozer trenching in 1987 uncovered 56 occurrences of manganese oxide and assorted sulphide minerals in float, quartz veins or as fracture fillings in bedrock. Sixteen of the showings consist of quartz-carbonate sulphide vein systems capped with manganese and limonite gossans. Sphalerite and galena were found in eight of the gossans, and arsenopyrite was found in several. The ORLY showing consists of three parallel veins of galena, sphalerite, carbonate and quartz which strike 100-120° and dip 40-50°NE. The PAW showing is a spectacular series of quartz veins with manganese oxide occupying a shear zone in granite. Galena from both these showings contains up to 8571.2 g/t Ag.

**LOGJAM**  
A.M.P. Exploration and Mining Co. Ltd

Gold, Silver, Lead, Zinc Vein  
105 B 4 (29)  
60°01'N, 131°36'W  
1987

**References:** INAC (1987, p. 121-122)

**Claims:** BARB 1-5; LOG 20, 22, 24, 26, 30, 45, 133, 1-2 FR, 100-101 FR

**Source:** Summary by T. Bremner of assessment report 091966 by D.C. Miller.

**Current Work and Results:**

In 1987, nine AQ holes totalling 601.4 m were drilled on the BARB 5 and LOG 100 Fr claims and the No. 4 drift W was extended by 17 metres.

Each of the drillholes penetrated at least one zone of sulphide-bearing quartz veins hosted by fractured and silicified diorite containing minor sulphides. The mineralized veins consist of massive to disseminated pyrrhotite, arsenopyrite, sphalerite and galena in a quartz-calcite gangue. Drill intersections through the vein zones ranged from 15 cm to 2.1 m. In DDH 87-5, the mineralized intersection consisted of 0.45 m of massive sulphides assaying 8.4 g/t Au, 1474.2 g/t Ag, 7.65% Pb and 2.65% Zn overlying a layer of 50% sulphides in quartz which averaged 6.2 g/t Au, 145.7 g/t Ag, 1.12% Pb and 1.34% Zn over 1.2 m.

IRVINE, SOURCE  
Shakwak Exploration Co. Ltd

Silver, Lead, Zinc Vein,  
Tungsten Skarn  
105 B 11 (35,90)  
60°37'N, 131°06'W  
1986

References: INAC (1987, p. 122-123)

Claims: GRA 1-49; SHA 1-147; REV 1-16

Source: Summary by T. Bremner of assessment report 091935 by G.S. Davidson

#### Current Work and Results:

Reconnaissance mapping in 1986 revealed quartz-feldspar porphyry dykes and sills and dykes of aplite and pegmatite cutting marble and muscovite schist on the EAST RIDGE part of the property (the SOURCE occurrence). Brecciated quartz veins crosscut the sills and dykes. Minor galena was found in some of the quartz veins. Prospecting located several zones of manganese gossan float. Trenching on the E-2 manganese gossan zone exposed manganese and iron oxides over an area 40 m long and 1 to 1.5 m wide, striking 85°. Within one oxide zone veins of galena and sphalerite up to 20 cm wide returned up to 3291.34 g/t Ag over 12 cm, and 1001.11 g/t Ag over 1.0 m. Trenching on trend to the west uncovered quartz containing manganese oxide veinlets and some clay gouge.

Trenching on the E-1 manganese gossan encountered permafrost at a depth of 1.92 m and failed to expose bedrock. Manganese and iron oxide bands 1-2 m wide exposed in two of the trenches are similar to the E-2 zone and may contain galena and sphalerite at depth. A 60 cm wide manganese oxide band exposed by trenching the E-3 zone returned high zinc and low silver values.

In the WEST RIDGE area (IRVINE occurrence) sills and dykes of aplite and quartz monzonite are intruded into muscovite schist near its contact with a quartz monzonite intrusion. Many quartz veins, some containing fluorite, strike 040° and dip 35°NW, conformable with the schist layering.

Trenching of the W2 manganese gossan encountered lenses of manganese-cemented conglomerate which contained up to 100.1 g/t Ag, and 10% galena and sphalerite. Permafrost prevented deepening of the trenches below 3 m.

**BINGY**  
Tally-Ho Exploration Co. Ltd

Silver, Lead, Zinc Vein  
105 B 10 (59)  
60°32'N, 130°40'W  
1987

**References:** Abbott (1985, p. 34-44); INAC (1987, p. 124)

**Claims:** MN 1-48; AG 1-2

**Source:** Summary by W.P. LeBarge of assessment report 091960 by M.A. Fekete.

**Current Work and Results:**

The 1987 program involved blast trenching, rock sampling and geological mapping at 1:250 000 and 1:1 000 scales.

Thirty-three rock samples were collected from 11 trenches in four zones on the property. Trenches blasted in zone 1 uncovered galena-bearing rusty to black manganese oxide in a 2 m thick vein trending 330°. A sample of gossanous float from this zone assayed 224.9 g/t Ag.

A second zone on the property was mapped at 1:1 000 scale, although blasting failed to penetrate talus adequately. Grab samples of galena assayed as high as 624 g/t Ag.

Two new zones of galena-bearing manganese oxides outlined by 1987 prospecting and 1:1 000 scale mapping are apparently related to north to northwest-trending faults. Grab samples assayed as high as 309 g/t Ag.

**BESSEY, CER**  
Pak-Man Resources Inc.  
2001 Resource Industries

Work Target  
105 B 2 (66, 94)  
60°14'N, 130°34'W  
60°15'N, 130°20'W  
1987

**References:** INAC (1987, p. 135, This Report)

**Claims:** HUNTER 1-43; LIZ 1-16; TIN 1-24; JEF 1-14; MUT 1-4; STR 1-22, 25-35

**Source:** Summary by W.P. LeBarge from assessment report 091743 by R. Robertson (Searchlight Resources Inc.).



**History:**

In 1980 the BESSEY claims were staked in the area but have since lapsed. The HUNTER claims were staked in 1985, and the rest of the claim block was staked in the fall of 1986. Additional STR claims were added in the spring of 1987.

**Description:**

The BESSEY and CER properties are underlain by metamorphosed Lower Cambrian Atan Group marble, limestone, biotite schist and quartzite. Cretaceous quartz monzonite and granodiorite of the Cassiar Batholith intrudes the metasedimentary rocks on the BESSEY property.

**Current Work and Results:**

In 1987 the property was geologically mapped at 1:1 000 scale and grab samples were collected and assayed for lead and silver. The best silver value obtained was only 32.6 ppm, compared to a 1986 rock sample which assayed 402.1 ppm Ag.

**LOGAN**

Fairfield Minerals Ltd  
Getty Resources Ltd

Zinc, Silver, Tin, Copper,  
Gold Vein  
105 B 8, 9 (70)  
60°30'N, 130°27'W  
1987

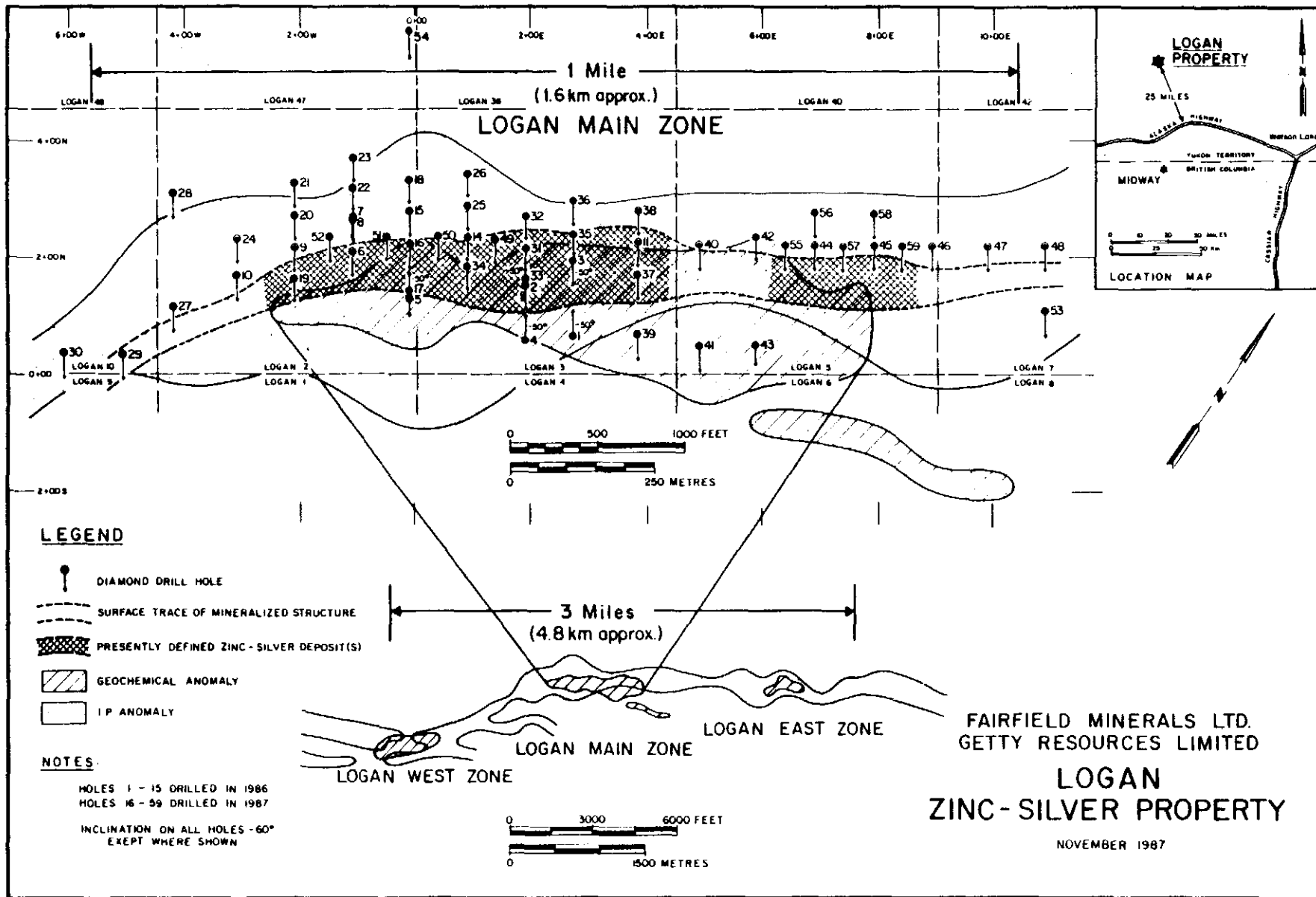
**References:** Amukun and Lowey (1987); INAC (1987, p. 127)

**Claims:** LOGAN 1-106

**Source:** Summary by T. Bremner of assessment report 091982 (drill logs) by Cordilleran Engineering Ltd and extra information supplied by J.J. Hylands (Cordilleran Engineering Ltd).

**Description:**

Sphalerite with lesser pyrite, arsenopyrite, chalcopyrite, tetrahedrite, pyrrhotite and cassiterite occurs in quartz veins, stockworks and brecciated and silicified zones in highly altered granodiorite and andesite dyke rocks. The mineralization is contained in a tabular fault-bounded body 45.7 to 137.2 m wide which dips 70° to the northwest.



FAIRFIELD MINERALS LTD.  
 GETTY RESOURCES LIMITED  
**LOGAN**  
**ZINC-SILVER PROPERTY**  
 NOVEMBER 1987

### Current Work and Results:

In 1987, extensive diamond drilling was conducted in the Main Zone area to evaluate the 1097 m long Main Zone zinc-silver deposit. Forty-four holes were drilled totalling 7772.4 m. The deposit has now been drill-tested to vertical depths of up to 243.8 m. As a result of the 1986 and 1987 drilling, the following geological reserves are indicated:

	<u>Tonnes</u>	<u>% Zinc</u>	<u>g/t Silver</u>
	14.01 million	5.13	20.23
including	6.83 million	7.24	25.71
including	3.19 million	10.33	34.97
including	1.37 million	14.36	48.00

ELLE  
Central Electricity Generating  
Board Exploration (Canada) Ltd

Granite-associated U  
105 B 9 (79)  
60°37'N, 130°22'W  
1986

References: INAC (1987, p. 136); INAC (1981, p. 158)

Claims: BOZO 1-16

Source: Summary by B. Lueck and W.P. LeBarge of assessment reports 091788 and 091736 by A.T. Turner.

### History:

The ELLE claims were staked in 1979 to cover a strong geochemical anomaly associated with airborne scintillometer anomalies. Anomalous responses were obtained from a ground radiometric survey and soil geophysical surveys. Grab samples from trenches within biotite quartz monzonite assayed as high as 2000 ppm U and 390 ppm Th. Between 1979 and 1982, Serem Ltd., Hudson Bay Exploration Ltd and Regional Resources Ltd staked claims nearby in the search for tungsten skarns. In 1982 the ELLE claims lapsed, and in 1985 Central Electricity Generating Board Exploration (Canada) Ltd. identified anomalous radioactivity during reconnaissance prospecting. The BOZO 1-2 claims were staked in 1985, and in 1986 the BOZO 13-16 claims were staked.

### Description:

The ELLE property is mainly underlain by porphyritic biotite-quartz monzonite of the Cretaceous Cabin Creek stock, which intrudes sedimentary rocks of late Proterozoic to Mississippian age and a thick, sheared sequence

of clastic, carbonate and intrusive rocks of Carboniferous age. Two phases of the biotite-quartz monzonite have been observed, a porphyritic phase containing phenocrysts from 2 to 10 cm in length, and an equigranular phase. The mega-porphyritic phase contains up to 2.1%  $U_3O_8$ . Country rocks of quartz feldspar-muscovite schist and limestone have developed garnet-pyroxene skarns with associated molybdenite, galena and scheelite. Late-stage aplite and pegmatite dykes, and massive quartz veins crosscut all previous lithologies.

#### Current Work and Results:

Initial work in 1985 consisted of ground radiometric surveys, soil and rock chip sampling and preliminary lab and petrographic studies. The claim group is highly anomalous in radioactive elements. The uranium occurs in the minerals euxinite, polycrase and monazite as well as opalescent coatings on fractures which cut the coarse-grained border phases of the pluton and clay-altered biotite granite.

Exploration work in 1986 consisted of detailed geological mapping and geochemical sampling. Eighteen grab samples were collected from weakly radioactive clay-altered zones, and analyzed for uranium content. The best sample contained 1509 ppm total  $U_3O_8$  and 1485 ppm leachable  $U_3O_8$ , with a radiometric reading of 2490 cps.

#### 4. FIDDLER

T. McCrory, B. Preston, M. Nielsen  
105 B 1  
60°09'N, 130°24'W

Claims: DK 34-67

#### 11. KUBIAK

D. Schellenberg  
105 B 1  
60°12-13'N, 130°05-17'W

Claims: HI 1-28, ED 1-20,  
JIM 1-28, ODIE 1-36,  
VIC 1-24, JIM 1-28,  
ODIE 1-36, RAJ 1-28,  
ADD 1-42, BURN 1-28,  
RAM 1-28, RAJA 1-32,  
BOA 1-32, LOIN 1-32,  
RAND 1-32, ICE 1-32,  
BALL 1-32, RED 1-34

#### 20. ALMOST

R. Stack  
105 B 6  
60°25'N, 131°05'W

Claims: HORN 1-18

#### 21. HIDDEN (PONT B)

R. Stack  
105 B 3  
60°12.5'N, 131°18'W

Claims: RUGER 25-28

#### 23. BAR

D. Schellenberg  
105 B 3  
60°10'N, 131°06'W

Claims: PARK 1-64

**42. OULETTE**

D. Schellenberg  
105 B 2, 3  
60°09-14'N, 130°36-131°00'W

Claims: LAKE 1-52,  
NITE 1-56,  
MID 1-60

**45. M.C. (SWIFT)**

T. McCrory, A. Perron, B. Preston,  
J. Perron  
105 B 4  
60°14'N, 131°44'W

Claims: SLIP 1-24

**55. STQ**

Apex Energy Corp.  
105 B 3  
60°09'N, 131°15'W

Claims: DART 1-100

**70. LOGAN**

Fairfield Minerals Ltd  
105 B 7, 105 B 8  
60°29'N, 130°30'W

Claims: LOGAN 169-200

**94. CER**

D. Schellenberg, H. Hibbing,  
P. Genton  
105 B 1  
60°13-14'N, 130°19-23'W

Claims: LEE 29-76, STR 31-35,  
JILL 1F-3F

**97. FALL**

D. Schellenberg  
105 B 3  
60°11'N, 131°11'W

Claims: KEY 1-30

**123. SPENCER**

Listed Ventures Incorporated  
105 B 2  
60°08'N, 130°40'W

Claims: LENA 5-18

**143. JAY**

D. Allen  
105 B 1  
60°05'N, 130°12'W

Claims: JAY 1-40

**145. PINE**

D. Schellenberg  
105 B 2, 3  
60°06'N, 131°00'W

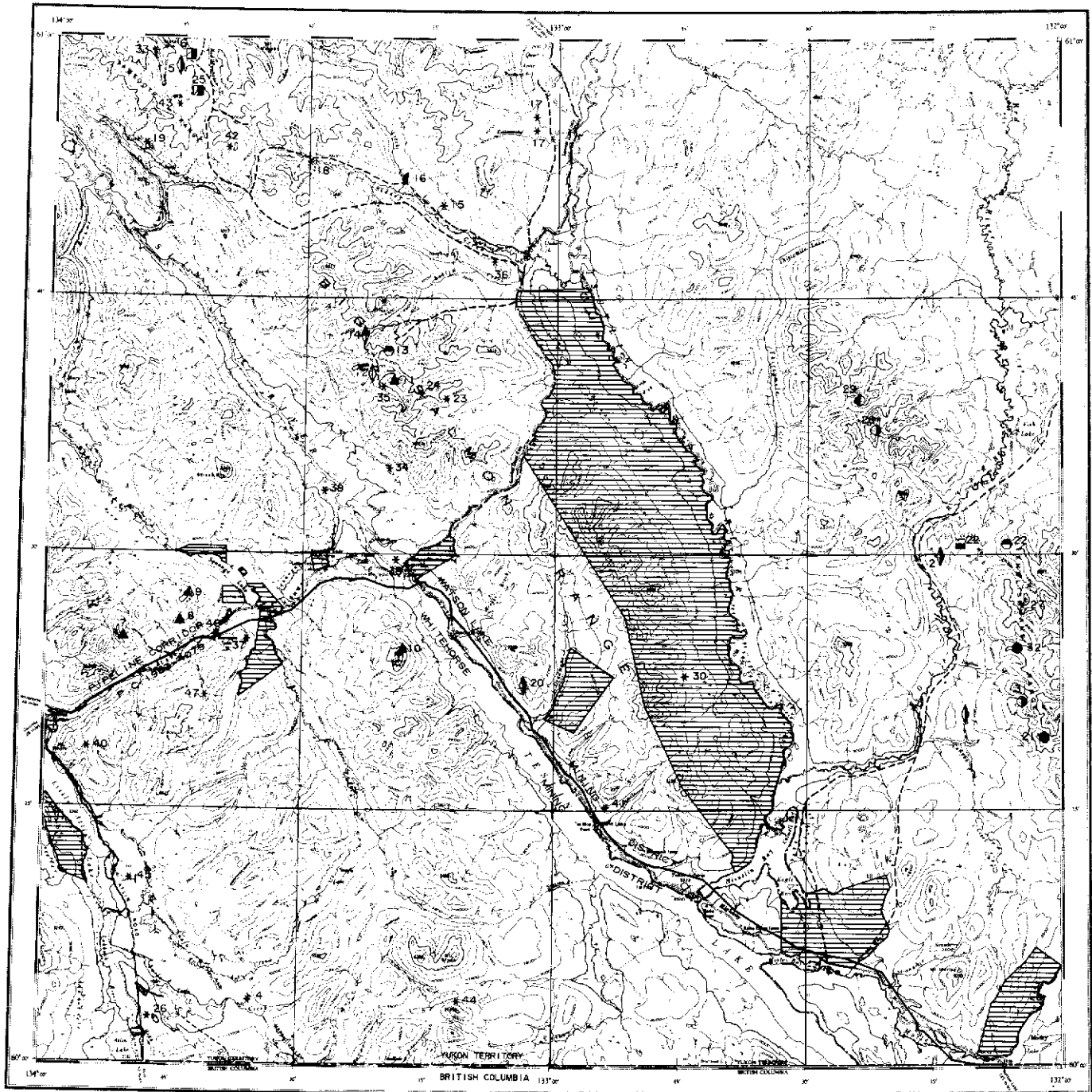
Claims: PINE 1-36

**146. CHIEF**

J. Chief  
105 B 2  
60°04.5'N, 130°52'W

Claims: CHIEF 1-4

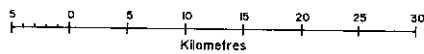




TESLIN  
YUKON TERRITORY



Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



--- Tote Trail.  
— Driveable Road.  
— A Airstrip.

## TESLIN MAP-AREA (NTS 105 C)

General References: GSC Map 1125A and Memoir 326 by R. Mulligan, 1963;  
GSC Geochem Open File 1217.

NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	KITCHEN	Vein Ag Pb	105 C 8	7	
2	BAR	Vein Pb Zn Ag Ba	105 C 9, 8	6	INAC (1987, p. 142)
4	TARFU	Work Target	105 C 4		
5	SLATE (SM)	Vein Ag Pb Zn	105 C 13	7	
6	RED MOUNTAIN	Porphyry Mo	105 C 13	2	INAC (1983, p. 105-106); Brown and Kahlert (1986)
7	RIBA	Asbestos	105 C 5	7	
8	SEAFORTH	Asbestos	105 C 5	7	
9	SQUANGA	Ultramafic associated Cr, Asbestos	105 C 5	7	This Report
10	HAYES PEAK	Asbestos	105 C 6	7	Mulligan (1963, p. 78); INAC (1982, p. 111)
11	GUNSIGHT	Asbestos	105 C 11	7	INAC (1981, p. 162)
12	MOOSE HILL	Vein Pb	105 C 11	7	Lees (1936, p. 24); INAC (1982, p. 111)
13	MARLIN	Skarn Mn	105 C 11	6	INAC (1986, p. 63)
14	MT. GRANT	Vein Cu Ag	105 C 11	7	INAC (1986, p. 64)
15	DRY	Work Target	105 C 14	9	
16	IRON CREEK	Occurrence Ag Au	105 C 14	7	
17	LINDSAY	Work Target	105 C 14	9	INAC (1986, p. 65)
18	SIDNEY	Work Target	105 C 14, 13	9	Mulligan (1963, p. 77)
19	ROSY	Work Target	105 C 13	7	Bostock (1936, p. 6)
20	DEADMAN	Vein Ag Pb	105 C 6	7	
21	JACKALOO	Skarn Cu Fe	105 C 8	7	INAC (1985, p. 154)
22	ABBA	Skarn Fe, Granite-associated U	105 C 9	7	INAC (1983, p. 105-106, 109)
23	FORSURE	Work Target	105 C 11	9	INAC (1981, p. 162)
24	CHRIS	Work Target	105 C 11	9	INAC (1981, p. 162); INAC (1985, p. 155)
25	MW	Skarn Mo Cu	105 C 13	7	INAC (1983, p. 105, 107); This Report
26	LISA	Work Target	105 C 4	9	INAC (1981, p. 162)
27	MICH	Work Target	105 C 8	9	INAC (1981, p. 162)
28	ORK	Skarn Sn W Cu Ag	105 C 9	7	INAC (1985, p. 154)
29	MINDY	Skarn W Sn	105 C 9	6	INAC (1983, p. 105, 107, 109)
30	STARTIP	Work Target	105 C 7	9	Morin et al (1979, p. 78-79)
31	OB	Skarn Sn W	105 C 8	5	INAC (1986, p. 62)
32	BAS	Skarn Cu Fe	105 C 8	7	INAC (1982, p. 111)
33	GRIZZLY	Work Target	105 C 13	9	INAC (1983, p. 105, 108- 109)
34	SAYEH	Work Target	105 C 11	9	INAC (1983, p. 105, 108)
35	CAT	Work Target	105 C 11	9	INAC (1985, p. 155)
36	ED	Work Target	105 C 14	9	INAC (1986, p. 65);
37	JUBE	Work Target	105 C 5	9	INAC (1985, p. 155); INAC (1987, p. 144)
38	DON	Work Target	105 C 6	9	INAC (1986, p. 65)
39	TES	Work Target	105 C 11	9	INAC (1987, p. 143); This Report
40	NUF	Work Target	105 C 5	9	INAC (1987, p. 144)
41	PAULA	Work Target	105 C 7	9	INAC (1987, p. 144)
42	TOO	Work Target	105 C 13	9	This Report
43	WAS	Work Target	105 C 13	9	This Report
44	GLADYS	Work Target	105 C 3	9	This Report
45	QUARTZ	Work Target	105 C 4	9	This Report
46	SUMMIT	Work Target	105 C 5	9	This Report
47	QUARTZ VALLEY	Work Target	105 C 5	9	This Report



**SQUANGA**  
**Dodgex Ltd**

**Chromite, Ultramafic-  
 Associated**  
 105 C 5 (9)  
 60°27'N, 133°41'W  
 1987

**References:** INAC (1987, p. 144)

**Claims:** CRO 1-5, 7

**Source:** Summary by W.P. LeBarge of assessment report 091740 by J.S. Dodge.

**History:**

The CRO 1-18 claims were staked in 1986 to cover a boulder train and potential bedrock sources of chromite-bearing dunite rocks.

**Description:**

The SQUANGA property is underlain by ultramafic rocks of probable Permian age, including an ophiolitic sequence of basal harzburgite, interlayered harzburgite and dunite, dunite with minor harzburgite and an upper succession of gabbro-pyroxenite-andesite. Peridotites are weakly to strongly serpentinized and intruded by a few scattered monzonite plugs and dykes. Chromite mineralization in dunite forms a massive banded, tabular deposit at least 4 metres thick and 20 metres long, open along strike.

**Current Work and Results:**

The 1987 program consisted of detailed prospecting and geological mapping and the collection of grab samples for assay from test pits. The best sample assayed 33.5% Cr<sub>2</sub>O<sub>3</sub>, 145 ppb Pt and 2 ppb Pd.

**MARLIN**  
**Anooraq Resources Corp.**

**Manganese Skarn**  
 105 C 11 (13)  
 60°43'N, 132°20'W  
 1987

**References:** INAC (1986, p. 63)

**Claims:** EVE 1-68, 78

**Source:** Summary by T. Bremner of assessment report 092132 by H.J. Keyser (Aurum Geological Consultants Inc.)

**Description:**

Paleozoic metamorphic rocks of the Big Salmon Complex are intruded by Cretaceous granodiorite. Skarn boulders at the contact contain gem quality rhodonite. Gold and silver-bearing quartz-chalcopyrite-bornite veins occur in narrow, discontinuous veins cutting biotite-quartz schist.

**Current Work and Results:**

Blast trenching in 1986 showed that the previously identified gold and silver-bearing chalcopyrite mineralization on the EVE claims occurs in narrow, discontinuous veins up to 15 cm wide which are conformable with foliation in the schist. The sulphides occur in boulders, not in outcrop as originally thought. A mineralized boulder train extends from the trenched area towards the southeast.

Rhodonite-bearing skarn was exposed in another trench over a length of 13 metres. The rhodonite is believed to be of high gem quality. In September, 1987 approximately 27.3 tonnes of rhodonite were shipped from the property for gem testing.

NW  
Noranda Exploration Co. Ltd

Work Target  
105 C 13 (25)  
60°56'N, 133°45'W  
1986

References: INAC (1983, p. 105, 107)

Claims: SAW 1-6

Source: Summary by T. Bremner of assessment report 091956 by H. Copland.

**History:**

The SAW claims were staked in 1986 to cover a weak arsenic-vanadium-gold anomaly in silt reported in a Geological Survey of Canada open-file geochemical release.

**Description:**

The SAW claims lie immediately south of the Red Mountain molybdenum porphyry. The property is underlain by amphibolite and diorite which are believed to form part of the Yukon Cataclastic Complex within the Teslin Suture Zone. Zones of quartz-carbonate alteration a few metres wide were found in both the amphibolite and diorite units.

**Current Work and Results:**

A silt sample collected near the Geological Survey of Canada location during a brief reconnaissance in 1986 returned 200 ppb As. Two grab samples of altered amphibolite and a sample of talus fines returned only background values.

TES  
Noranda Exploration Co. Ltd.

Work Target  
105 C 11, 12 (39)  
60°36'N, 133°29'W  
1986

References: INAC (1987, p. 143)

Claims: TES 11-28

Source: Summary by T. Bremner of assessment report 092046 by C.J.R. Hart.

**Current Work and Results:**

Magnetometer, EM and gravity surveys were carried out in 1986 to follow up 1985 airborne geophysical anomalies, and 145 soil samples were taken. Geological mapping was impossible due to a total lack of outcrop. The ground geophysics failed to confirm either the previous airborne magnetic highs or the EM conductors and the geochemical response was low. Weak bedrock EM conductors were identified on both claim blocks, but these were not supported by coincident gravity and magnetic anomalies.

T00  
All-North Resources Ltd

Work Target  
105 C 13 (42)  
60°54'N, 133°40'W  
1987

References: INAC (1987, p. 144)

Claims: T00 1-10

Source: Summary by W.P. LeBarge of assessment report 091977 by T. Garagan (Aurum Geological Consultants Inc.).

**History:**

The T00 claims were staked in 1986 by Archer, Cathro and Associates (1981) Ltd on the basis of a multi-element geochemical anomaly.

**Description:**

Mississippian and earlier Big Salmon Complex metamorphosed volcanic, sediments and related intrusives are intruded by granodiorite of the late Cretaceous Quiet Lake Batholith. Late Cretaceous to early Tertiary quartz-feldspar porphyry dykes intrude older lithologies.

In the central part of the claims the metavolcanic rocks are cut by a biotite granodiorite dyke. North to northwest-trending faults are subparallel to the main foliation in the metavolcanic rocks. Quartz float occurs in the west corner of the claim group.

**Current Work and Results:**

A silt sample collected during a 1986 Geological Survey of Canada Regional Silt Geochemical Survey contained 29 ppb gold, 36 ppm arsenic, 70 ppm Cu and 21 pm Sn. In 1987, All-North Resources Ltd. collected 13 stream sediment, 32 soil and 2 rock samples for 32 element analysis. Stream sediment samples contained up to 30 ppb Au, 80 ppm As and 124 ppm Cu. Soil samples contained up to 25 ppb Au, 226 ppm Cu and 141 ppm Cr. Background levels of metals were detected in samples of quartz float.

**WAS**  
All-North Resources Ltd

**Work Target**  
105 C 13 (43)  
60°56'N, 133°47'W  
1987

**References:** INAC (1987, p. 144)

**Claims:** WAS 1-6

**Source:** Summary by W.P. LeBarge of assessment report 091975 by T. Garagan (Aurum Geological Consultants Inc).

**History:**

The WAS claims were staked in 1986 by Archer, Cathro and Associates (1981) Ltd to cover the headwaters of a creek with a multi-element geochemical silt anomaly discovered during a 1986 Geological Survey of Canada Regional Silt Geochemical Survey.

**Description:**

Metamorphosed volcanic, intrusive and sedimentary rocks of the Mississippian and earlier Big Salmon Complex are intruded by granodiorite of the Late Cretaceous Quiet Lake Batholith. Late stage quartz-feldspar porphyry dykes of late Cretaceous to Tertiary age crosscut older lithologies.

Boulder float of limonite-stained quartz found west of the claim group is associated with iron carbonate-pyrite-altered diorite and orange-brown soil.

**Current Work and Results:**

Exploration in 1987 consisted of prospecting, 1:10 000 scale geological mapping and geochemical surveying. Ten stream sediment, 12 soil and 6 rock samples were collected and analyzed for 33 elements. Slightly anomalous metal values were encountered in stream samples, ranging to 50 ppb Au, 160 ppm As and 96 ppm Cu.

Areas of oxidized soil and quartz float gave the best soil values of 145 ppb Au, 9.0 ppm Ag and 765 ppm As.

Two of the six rock samples collected were anomalous in metals. Values as high as 1250 ppb Au, 102 ppm Ag, 1680 ppm As, 237 ppm Cr, 139 ppm Cu, 84 ppm Pb and 70 ppm Sb were obtained from boulder float of brecciated, limonite-stained quartz and carbonate-altered diorite.

**10. HAYES PEAK**

Tha Resources Ltd  
105 C 6  
60°23'N, 133°19'W

Claims: THA 1-4,  
PATSY 1-4,  
GLORY 1-16

**17. LINDSAY**

S. Drew MacDonald  
105 C 14  
60°56'N, 133°04'W

Claims: PGMC 1-2, 3-4 FR

**44. GLADYS**

G. Tronnes  
105 C 3  
60°03'N, 133°11'W

Claims: GLADYS 1-2

**45. QUARTZ**

K. Landsman  
105 C 4  
60°11'N, 133°50'W

Claims: QUARTZ #1 (2 Claims)

**46. SUMMIT**

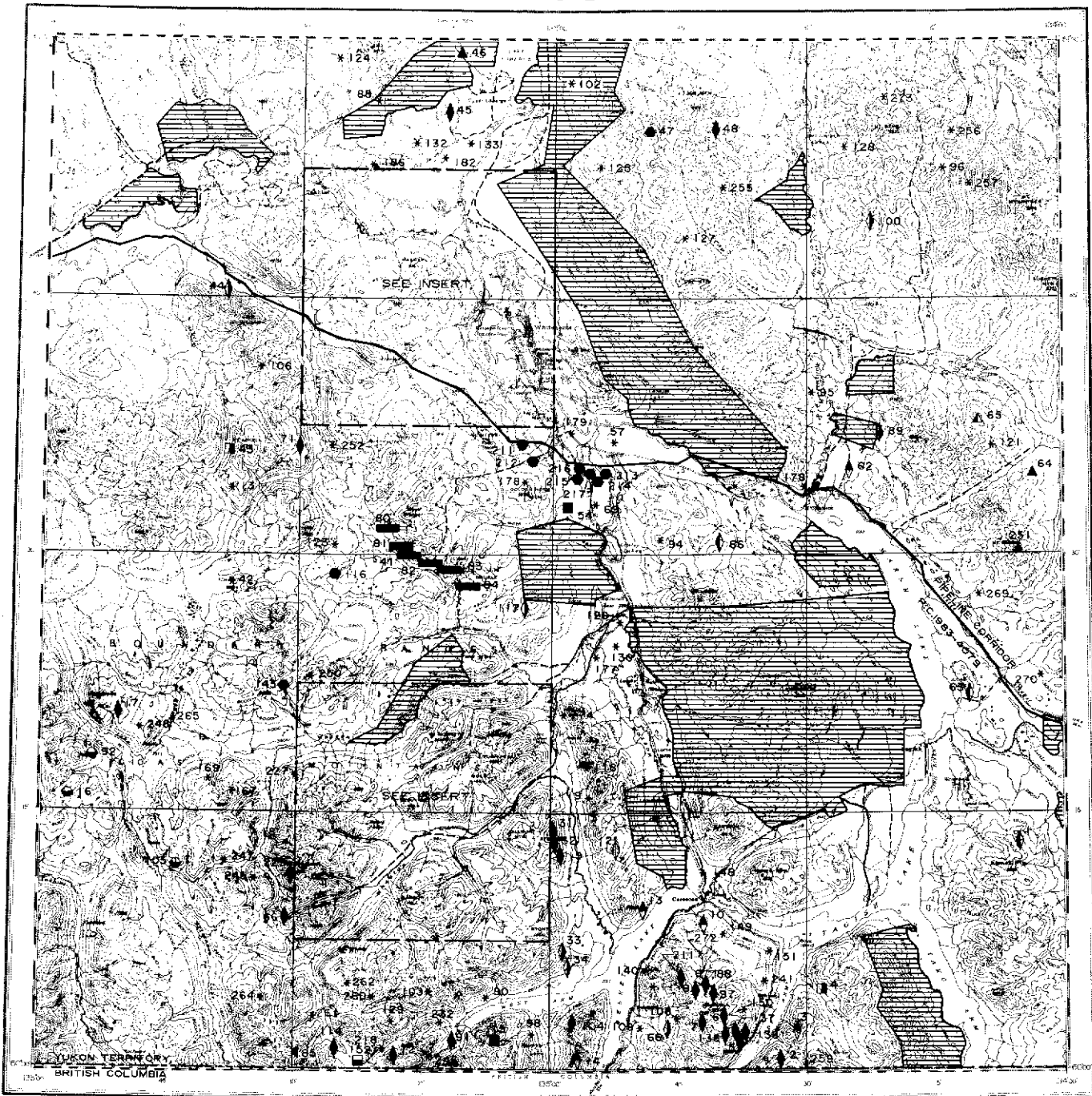
Dunvegan V.G. Syndicate  
105 C 5  
60°25'N, 133°43'W

Claims: TOG 1-16;  
TOP 1-44

**47. QUARTZ VALLEY**

Dunvegan V.G. Syndicate  
105 C 5  
60°22'N, 133°40'W

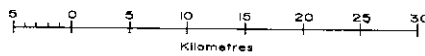
Claims: TON 1-16;  
TOM 1-14



WHITEHORSE  
YUKON TERRITORY



Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).

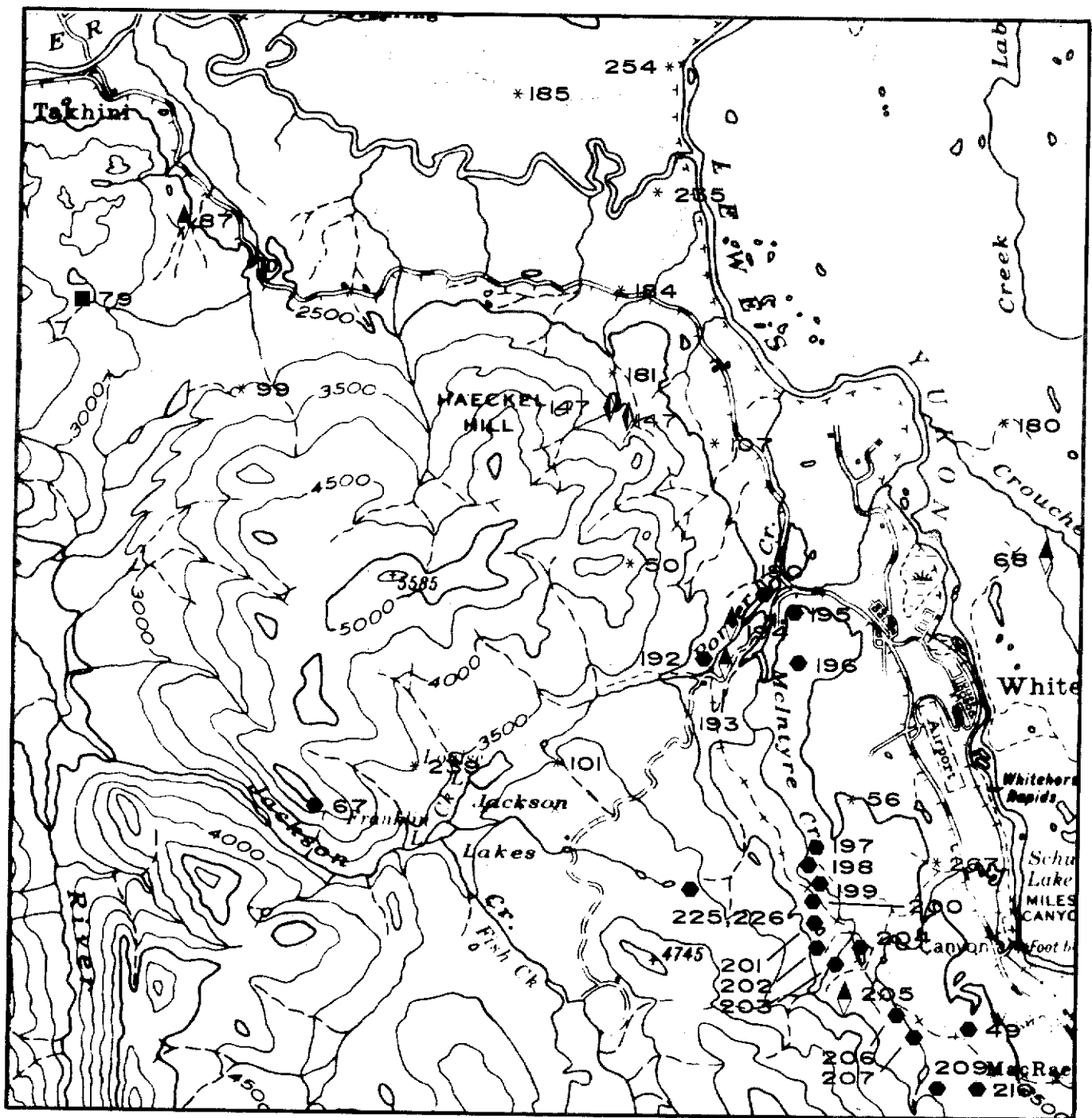


- Tote Trail
- Driveable Road
- Airstrip





105D-IIN & 105D-14S



## WHITEHORSE MAP-AREA (NTS 105 D)

General References: GSC Map 1093A and Memoir 312 by J.O. Wheeler, 1961;  
GSC Geochem Open File 1218;  
INAC Open File 1988-2 (105 D 3 and 6) by R.A. Doherty et al. 1988.

NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 JUBILEE	Vein Au	105 D 1	5	INAC (1985, p. 159-160)
2 LULU	Vein Au Ag	105 D 2	6	Findlay (1969b, p. 39); INAC (1986, p. 74); This Report
3 MILLET	Vein, Replacment Cu	105 D 2	7	
4 LIME	Porphyry Mo	105 D 1	6	INAC (1981, p. 165)
5 VENUS	Vein Au Ag Pb Zn	105 D 2	3	INAC (1982, p. 7,18,113,116); Walton (1986)
6 MONTANA	Vein Au Ag	105 D 2	4	Findlay (1969a, p. 60-61); This Report
7 THISTLE	Vein Au Ag Pb Zn Cu	105 D 2	7	This Report
8 JEAN	Vein Au Ag	105 D 2	6	INAC (1987, p. 153)
9 BIG THING (ARCTIC)	Vein Au Ag	105 D 2	3	INAC (1981, p. 116-122); This Report
10 CARCROSS	Vein Cu Mo	105 D 2	6	Findlay (1969a, p. 62); INAC (1982, p. 117; 1986, p. 74)
11 KNOB HILL	Work Target	105 D 2	7	Bostock (1941, p. 143)
12 WABONA	Vein Zn	105 D 2	7	
13 COLLEGE GREEN	Vein Cu	105 D 2	7	INAC (1987, p. 154)
14 FINGER	Vein Cu	105 D 2	7	
15 LATREILLE	Porphyry Cu Mo	105 D 3	7	INAC (1981, p. 165)
16 PRIMROSE	Skarn Zn	105 D 5	7	INAC (1982, p. 117)
17 ROSE	Vein Au Ag	105 D 5	7	INAC (1983, p. 111-112,118)
18 BOSTOCK	Vein Sb	105 D 4	7	Bostock (1941, p. 38)
19 CHARLESTON	Vein Au Ag Pb	105 D 4, 3	5	INAC (1987, p. 155-156); This Report
20 BERNEY	Deleted: same as #21, MT REID			
21 MT. REID (SKUKUM CREEK)	Vein Au Ag Sb	105 D 3	2	INAC (1987, p. 156); This Report
22 RACA	Breccia Cu Mo, Vein Au Ag	105 D 3	2	INAC (1987, p. 157)
23 MORNING	Vein Sb Zn	105 D 3	7	Bostock (1941, p. 36-37); INAC (1982, p. 117)
24 GODDELL	Vein Sb Ag Au Pb Zn Cu	105 D 3	6	INAC (1987, p. 158); This Report
25 PORTER	Vein Sb Pb Zn Ag	105 D 3	7	INAC (1986, p. 75) This Report
26 BECKER-COCHRAN	Vein Sb Au	105 D 3	2	INAC (1987, p. 159); This Report
27 FLEMING	Skarn Cu	105 D 3	6	INAC (1987, p. 160)
28 MT. ANDERSON	Vein Au Ag Pb Zn	105 D 3	6	INAC (1981, p. 166; 1987, p. 160-162)
29 TALLY-HO	Vein Au Ag Pb	105 D 3, 6	4	INAC (1987, p. 162-163)
30 MT. WHEATON	Vein Au Ag	105 D 3, 6	6	Wheeler (1961, p. 122-123); INAC (1985, p. 165; 1986, p. 77; 1987, p. 163-164)
31 BUFFALO	Vein Au Ag	105 D 3	7	INAC (1987, p. 165)
32 MT. STEVENS	Vein Au Ag Pb Zn	105 D 2	4	INAC (1987, p. 163-164); This Report
33 CROMWELL	Vein Ag Pb Cu	105 D 2	7	INAC (1982, p. 117); INAC (1985, p. 165)
34 MILLHAVEN	Vein Ag Pb Zn	105 D 2	7	INAC (1987, p. 163-164)
35 GOLD HILL	Vein Au Ag	105 D 6	6	INAC (1987, p. 163-164)
36 GOLD REEF	Vein Au Ag	105 D 6	4	INAC (1987, p. 163-164)
37 UNION MINES (DONKEY)	Vein Ag Pb Zn Au Cu	105 D 6	5	Wheeler (1961, p. 135-136) INAC (1982, p. 117)
38 MT. BUSH	Coal	105 D 6	5	Cairnes (1916, p. 145-147)
39 LEGAL TENDER	Vein Au Ag Pb Zn	105 D 6	6	INAC (1987, p. 163-164, 182-183); This Report
40 ALLIGATOR	Porphyry Cu Mo	105 D 6	7	Craig and Milner (1975, p. 44)
41 WHITEHORSE COAL	Coal	105 D 6, 11	6	INAC (1986, p. 72)
42 MUD	Work Target	105 D 5	9	Findlay (1969a, p. 54-55)
43 ARKELL	Porphyry Mo	105 D 12	7	Craig and Milner (1975, p. 43)
44 INGRAM	Vein Ag Pb Zn	105 D 13	7	Wheeler (1961, p. 136-137)
45 CUTOFF	Vein Ag Au	105 D 14	7	INAC (1982, p. 118; 1985, p. 165)
46 EFFIE	Asbestos	105 D 14	7	
47 POW	Skarn Cu W	105 D 15	7	INAC (1981, p. 166);
48 ACE	Vein Ag Au Pb Zn Cu	105 D 15	7	INAC (1982, p. 118)
49 LITTLE CHIEF	Skarn Cu Au Ag	105 D 11	3	INAC (1983, p. 111-113); Meinert (1986)
50 TREMAR	Work Target	105 D 11,14	9	Craig and Laporte (1972, p. 113)
54 VAL	Porphyry Cu Mo	105 D 10	7	
55 DUGDALE	Deleted: same as #213 COWLEY PARK			
56 SNELL	Work Target	105 D 11	9	INAC (1987, p. 203)
57 LEWES RIVER	Deleted: same as #216 GEM and #217 KODIAK CUB			
58 WALCOTT	Deleted: no information			
59 GOLCONDA	Deleted: no information			
60 GRONK	Deleted: no information			

61 NIP	Deleted: no information				
62 M'CLINTOCK	Vein, Replacement Cu	105 D 9	7	Wheeler (1961, p. 143; Craig & Milner (1975, p. 45)	
63 MARSH	Vein Au, asbestos	105 D 8	7	INAC (1987, p. 168-169); This Report	
64 LAVALEE	Asbestos	105 D 9	7	INAC (1986, p.79)	
65 MICHIE	Mafic/ultramafic Cr	105 D 9	7		
66 RAILROAD	Vein Ag	105 D 2	7	INAC (1987, p. 163-164)	
67 GROUSE	Skarn Cu Au Ag Bi	105 D 11	5	INAC (1987, p. 169-170)	
68 IMP	Vein Cu	105 D 14	7		
69 BUCHANAN	Deleted: no information				
71 HARNIAK	Vein Cu Ag Au	105 D 11	7	INAC (1986, p. 79)	
72 SHAW	Vein Cu Pb Zn Ag Au	105 D 3	5	INAC (1982, p. 116, 117)	
73 ALLISON	Deleted: no information				
74 OPULENCE	Vein Sb	105 D 3	7	INAC (1987, p. 163-164)	
75 BOBO	Deleted: no information				
76 DONKEY	Deleted: same as #37 UNION MINES				
77 DAWN	Deleted: no information				
78 INCO	Porphyry Cu Mo	105 D 6	7	Doherty <u>et al</u> (1988); This Report	
79 SUITS (KING LAKE)	Porphyry Cu Mo	105 D 14	5	Sinclair <u>et al</u> (1975, p. 144-145)	
80 FISH LAKE	Coal	105 D 11	7		
81 LUSCAR	Coal	105 D 11	2	INAC (1986, p. 72)	
82 PTARMIGAN	Coal	105 D 6	2	INAC (1986, p. 72)	
83 COAL RIDGE	Coal	105 D 6	2	Doherty <u>et al</u> (1988)	
84 BERESFORD	Coal	105 D 6	2	INAC (1986, p. 72)	
85 BOUDETTE	Vein fluorite	105 D 3, 4	7	Doherty <u>et al</u> (1988)	
86 COMBS	Vein Au	105 D 10	7	Wheeler (1961, p. 143); Lambert (1974); This Report	
87 MIDGETT	Vein Cu	105 D 14	7		
88 GEE	Work Target	105 D 14	9	INAC (1981, p. 168)	
89 TONY	Vein Pb Ag Zn	105 D 9	7	INAC (1982, p. 118)	
90 WEST	Work Target	105 D 3	9	INAC (1981, p. 166)	
91 PART	Vein U Au Ag Pb	105 D 3	6	Doherty <u>et al</u> (1988)	
92 PROSE (DEB)	Skarn Pb Zn Ag	105 D 5	6	INAC (1981, p. 167); 1987, p. 171; Doherty <u>et al</u> (1988); This Report	
93 POMPEI	Work Target	105 D 6	9	INAC (1981, p. 168)	
94 LORNE	Work Target	105 D 10	9	INAC (1981, p. 168)	
95 JAVA	Work Target	105 D 9	9	INAC (1981, p. 168);	
96 GAMMON	Work Target	105 D 16	9	INAC (1985, p. 165)	
97 ART	Vein Au Ag	105 D 2	7	INAC (1983, p. 114; 1987, p. 171-172)	
98 MUNROE	work Target	105 D 3	9	INAC (1981, p. 167);	
99 UNTILL	Work Target	105 D 14	9	INAC (1981, p. 167); This Report	
100 ABI	Vein Ag Pb Zn	105 D 15	7	Sinclair <u>et al</u> (1976, p. 104)	
101 TOP	Work Target	105 D 11	9	Sinclair <u>et al</u> (1976, p. 108)	
102 LABE	Work Target	105 D 15	9	Morin <u>et al</u> (1979, p. 61)	
103 CRO	Work Target	105 D 3	9	INAC (1982, p. 118)	
104 BEN	Vein Au Ag	105 D 2	9	Morin <u>et al</u> (1980, p. 33); This Report	
105 RAM	Skarn Zn Pb Ag	105 D 4	5	Morin <u>et al</u> (1980, p. 33); This Report	
106 RAMING	Work Target	105 D 12	9	INAC (1983, p. 111, 114-115)	
107 OJ	Work Target	105 D 14	9	Morin <u>et al</u> (1980, p. 36)	
108 ATHES	Work Target	105 D 2	9	Morin <u>et al</u> (1980, p. 36)	
109 CUNK	Work Target	105 D 2	9	INAC (1987, p. 172)	
110 UNDAL	Deleted: same as #11 KNOB HILL			INAC (1983, p. 115)	
111 TROLL	Deleted: same as #34 MILLHAVEN				
112 ODD	Vein Au Ag Cu	105 D 2, 3	6	INAC (1987, p. 173);	
113 BACHUS	Work Target	105 D 3	9	Doherty <u>et al</u> (1988); This Report	
114 NAIAD	Vein Au Ag Pb Cu	105 D 3	7	INAC (1987, p. 173-175)	
115 MT. SKUKUM MINE	Vein Au Ag	105 D 3	1	INAC (1983, p. 116)	
116 DAYIR	Skarn Cu Fe	105 D 6	9	Doherty <u>et al</u> (1988); This Report	
117 EVIEW	Vein Ag Pb Zn	105 D 6	7	INAC (1987, p. 176);	
118 TIKI	Work Target	105 D 7	9	Doherty <u>et al</u> (1988); This Report	
119 ILLIA	Work Target	105 D 7	9	INAC (1987, p. 177)	
120 AMN	Work Target	105 D 7	9	INAC (1987, p. 177)	
121 ICHIE	Work Target	105 D 9	9	INAC (1982, p. 117; 1986, p. 78)	
122 ALBATROS	Work Target	105 D 6	9	INAC (1982, p. 118)	
123 BEXI	Work Target	105 D 11	9	INAC (1982, p. 117)	
124 FLAT	Work Target	105 D 14	9	INAC (1982, p. 118)	
125 ERGE	Work Target	105 D 15	9	INAC (1982, p. 118)	
126 UNCER	Deleted: same as #48 ACE				
127 SLENE	Work Target	105 D 15	9	INAC (1982, p. 118)	
128 UTSHIG	Work Target	105 D 16	9	INAC (1987, p. 117; 1987, p. 171-172)	
129 GLENLIVET	Vein Au Ag Pb	105 D 3	9	INAC (1987, p. 177-178);	

130 RAVEN	Work Target	105 D 7	9	Doherty et al (1988); This Report
131 MINK	Work Target	105 D 12	9	INAC (1983, p. 112, 118)
132 LAKE	Work Target	105 D 14	9	INAC (1983, p. 112, 118)
133 POOLY	Work Target	105 D 14	9	INAC (1983, p. 112, 118)
134 A+B, C+D	Delete: same as #46 EFFIE			
135 OLLIE	Vein Ag Au Cu	105 D 6	9	INAC (1987, p. 179-180); This Report
136 JOE PETTY	Vein Au Ag	105 D 2	4	Bostock (1957, p. 151-156, 211-213, 252-256, 606-609); This Report
137 URANUS	Vein Au Ag	105 D 2	4	Bostock (1957, p. 151-156, 211-213, 252-256, 606-609)
138 M&M	Vein Au Ag	105 D 2	4	Bostock (1957, p. 151-156, 211-213, 252-256, 606-609)
140 WATSON	Work Target	105 D 2	9	INAC (1985, p. 165)
141 MED	Work Target	105 D 3	9	INAC (1985, p. 165); INAC (1986, p. 75)
142 TYCON	Vein Au Ag	105 D 3	7	INAC (1987, p. 180)
143 LATER	Skarn Au Ag Cu Pb Zn, Vein Au Ag	105 D 5	6	Doherty et al (1988) INAC (1987, p. 181-182)
144 CR	Delete: same as #39 LEGAL TENDER			
145 BEAR (CUB)	Work Target	105 D 6	9	INAC (1987, p. 183); This Report
146 CUP	Delete: same as #64 LAVALEE			
147 BEE	Vein Ag Au Pb Zn, Skarn Cu	105 D 14	6	INAC (1987, p. 184); This Report
148 MYHN	Work Target	105 D 2	9	INAC (1986, p. 74)
149 RAO	Work Target	105 D 2	9	INAC (1986, p. 74)
150 CON	Work Target	105 D 2	9	INAC (1986, p. 74)
151 BO	Work Target	105 D 2	9	INAC (1986, p. 74)
152 MATT	Granite-associated U, REE	105 D 3	7	INAC (1987, p. 185)
153 SCAR	Vein Ag Zn	105 D 3	7	INAC (1987, p. 186) Doherty et al (1988)
154 MO	Work Target	105 D 3	9	INAC (1986, p. 75)
155 ROB	Work Target	105 D 3	9	INAC (1987, p. 187); Doherty et al (1988); This Report
156 CHARLIE	Work Target	105 D 3	7	INAC (1987, p. 188); This Report
157 BUTTE	Deleted: same as #115 MT SKUKUM MINE (mill & tailings site)			
158 HO	Work Target	105 D 3	9	INAC (1986, p. 76)
159 BOUD	Deleted: same as #114 NAIAD			
161 ERA	Work Target	105 D 3, 6, 2	9	INAC (1986, p. 77); This Report
163 JMT	Work Target	105 D 3	9	INAC (1986, p. 76)
165 SULPHIDE CREEK	Work Target	105 D 3	9	INAC (1987, p. 189)
166 JJ	Vein Pb Au Ag	105 D 4	7	INAC (1987, p. 190); This Report
167 FACE	Work Target	105 D 5	9	INAC (1987, p. 191)
168 BOTWAT	Work Target	105 D 5, 6	9	INAC (1987, p. 192)
169 CA	Work Target	105 D 5	9	INAC (1986, p. 78); This Report
170 MR	Vein Ag Au	105 D 3, 6	7	INAC (1987, p. 193); This Report
171 FANIN	Work Target	105 D 3, 6	9	INAC (1987, p. 193-194)
172 STONE	Work Target	105 D 3, 5	9	INAC (1987, p. 194)
173 WAL	Vein Au Ag	105 D 3, 6	7	INAC (1987, p. 195); Doherty et al (1988)
174 SURPRISE	Work Target	105 D 7	9	INAC (1986, p. 78)
175 TREE	Work Target	105 D 2	9	INAC (1986, p. 77)
177 A	Work Target	105 D 7	9	INAC (1986, p. 79);
178 ROSSBANK	Vein Au	105 D 10	9	INAC (1986, p. 79);
179 ATA	Work Target	105 D 10, 11	9	INAC (1986, p. 79)
180 CAMEO	Work Target	105 D 14	9	INAC (1986, p. 79)
181 GUAJALOTE	Work Target	105 D 14	9	INAC (1986, p. 79)
182 DRILL	Work Target	105 D 14	9	INAC (1986, p. 80)
184 MURIEL	Work Target	105 D 14	9	INAC (1987, p. 196)
185 DUST	Work Target	105 D 14	9	INAC (1986, p. 70)
186 WATER	Work Target	105 D 14	9	INAC (1986, p. 70)
187 GILL	Delete: same as #186 WATER			
188 PEERLESS	Delete: same as #9 BIG THING			
189 PRIDE OF YUKON	Delete: same as #9 BIG THING			
190 RABBIT FOOT	Skarn Cu Au	105 D 11	7	Watson (1984)
191 GULCH	Delete: same as #92 PUEBLO			
192 PUEBLO	Skarn Cu Au Ag	105 D 11	4	Watson (1984)
193 RESERVOIR LAKE	Vein Cu	105 D 11	7	Watson (1984)
194 SCHEELITE	Vein Cu Au W	105 D 11	7	Watson (1984)
195 COPPER KING	Skarn Cu Au Ag Mo	105 D 11	4	Watson (1984)
196 CARLISLE	Skarn Cu Au Ag	105 D 11	4	Watson (1984)
197 SPRING CREEK	Skarn Cu	105 D 11	7	Watson (1984)
198 EMPRESS OF INDIA	Skarn Cu W	105 D 11	7	Watson (1984)
199 RETRIBUTION	Skarn Cu	105 D 11	7	Watson (1984)
200 BEST CHANCE	Skarn Cu Au Ag	105 D 11	2	Watson (1984)
201 GRAFTER	Skarn Cu Mo	105 D 11	4	Watson (1984); This Report
202 ARCTIC CHIEF	Skarn Cu Au Ag	105 D 11	4	Watson (1984)
203 SUBURBAN	Skarn Cu Au	105 D 11	7	Watson (1984)
204 VERONA	Skarn Cu Au	105 D 11	7	Watson (1984)
205 POLAR	Vein Cu	105 D 11	7	Watson (1984)
206 BIG CHIEF	Skarn Cu Au Ag	105 D 11	7	Watson (1984)

207 MIDDLE CHIEF	Skarn Cu Au Ag	105 D 11	4	Watson (1984)
209 VALERIE	Skarn Cu Au Ag	105 D 11	4	Watson (1984)
210 NORTH STAR	Skarn Cu Au Ag	105 D 11	7	Watson (1984)
211 PASS LAKE	Skarn Cu Au	105 D 11	7	Watson (1984)
212 COPPER CLIFF	Skarn Cu	105 D 11	7	Watson (1984)
213 COWLEY PARK, SUE	Skarn Cu Mo Au Ag	105 D 11	2	Findlay (1969a, p. 54); Watson (1984); This Report
214 BLACK CUB, GRIZZLY CUB, BROWN CUB, RAILWAY	Skarn Cu Au Ag Mo	105 D 11	3	Watson (1984)
215 KEEWENAW	Skarn Cu Au Ag Mo	105 D 11	3	Watson (1984)
216 GEM	Skarn Cu	105 D 11	2	Watson (1984)
217 KODIAK CUB	Skarn Cu Au Ag	105 D 11	2	Watson (1984); This Report
218 AUL	Work Target	105 D 3	9	INAC (1987, p. 206)
219 O.B.I.	Deleted: same as #156 CHARLIE			
220 KIM	Deleted: same as #21 MT REID. (SKUKUM CREEK)			
221 KIR	Work Target	105 D 3	9	INAC (1987, p. 206)
222 RAIN	Deleted: same as #156 CHARLIE			
224 RED RIDGE	Vein Ag Au Cu	105 D 6	7	Doherty et al (1988); This Report
225 WAR EAGLE	Skarn Cu Au Ag	105 D 11	4	Watson (1984); INAC (1983, p. 111-113; 1987, p. 197); This Report
226 ANACONDA	Skarn Cu Au	105 D 11	7	INAC (1987, p. 197)
227 MAY	Work Target	105 D 5, 6	9	INAC (1987, p. 197-198)
228 SAID	Vein breccia Au	105 D 6	6	INAC (1987, p. 199); Doherty et al (1988); This Report
229 EARL	Vein Au Ag	105 D 3, 4	7	INAC (1987, p. 199-200); Doherty et al (1988); This Report
230 MH	Deleted: same as #39 LEGAL TENDER			
231 NYAC	Deleted: same as #6 MONTANA			
232 CISCO	Work Target	105 D 3	9	This Report
233 JB	Deleted: same as #149 RAD			
234 FOX	Work Target	105 D 3	9	INAC (1987, p. 234); This Report
235 FREEDOM	Work Target	105 D 14	9	INAC (1987, p. 207)
236 GMC	Deleted: same as #118 TIKA and #119 ILLIA			
237 STEN	Work Target	105 D 3	9	INAC (1987, p. 207); This Report
238 KID	Work Target	105 D 3	9	INAC (1987, p. 207)
239 FALCON	Work Target	105 D 11	9	INAC (1987, p. 207)
240 GLEE	Work Target	105 D 3	9	INAC (1987, p. 208)
242 NUKE	Work Target	105 D 6	9	C.J.R. Hart, pers. comm.
241 DOUG	Work Target	105 D 2	9	INAC (1987, p. 208)
243 BEN	Deleted: same as #104 BEN			
244 TAG	Deleted: same as #9 BIG THING			
245 SON	Work Target	105 D 4	9	INAC (1987, p. 208); This Report
246 BTT	Work Target	105 D 3	9	INAC (1987, p. 288)
247 ELSE	Work Target	105 D 4	9	INAC (1987, p. 208); This Report
248 GRANT	Work Target	105 D 5	9	INAC (1987, p. 208)
249 ALPHA	Work Target	105 D 6	9	INAC (1987, p. 208)
250 SOONER	Work Target	105 D 6	9	INAC (1987, p. 208)
251 LILLIAN	Work Target	105 D 9	9	INAC (1987, p. 208)
252 ACE	Work Target	105 D 11	9	INAC (1987, p. 208)
253 DHW	Deleted: same as #56 SNELL			
254 CRANBERRY	Work Target	105 D 14	9	INAC (1987, p. 208)
256 JA	Work Target	105 D 16	9	INAC (1987, p. 208)
257 AM	Work Target	105 D 16	9	INAC (1987, p. 208)
258 CRAIG	Vein Ag Sb Pb Zn Cu	105 D 3	7	Doherty et al (1988)
259 RIGEL	Work Target	105 D 2	9	This Report
260 BOB	Work Target	105 D 3	9	This Report
261 ETTIE	Work Target	105 D 3	9	This Report
262 SIN	Work Target	105 D 3	9	This Report
263 BERG	Work Target	105 D 3	9	This Report
264 WHE	Work Target	105 D 4	9	This Report
265 WORB	Work Target	105 D 5	9	This Report
266 NET	Work Target	105 D 6	9	This Report
267 GE	Work Target	105 D 11	9	This Report
268 VIN	Work Target	105 D 6	9	This Report
269 BRONCO	Work Target	105 D 8	9	This Report
270 PHIL	Work Target	105 D 8	9	This Report
271 BARR	Work Target	105 D 3	9	This Report
272 BRUTE	Work Target	105 D 2	9	This Report
273 BM	Work Target	105 D 16	9	This Report

LULU  
Premier Mining Corp. Ltd

Gold, Silver Vein  
105 D 2 (2)  
60°04'N, 134°32'W  
1971

**References:** Findlay (1969b, p. 39); INAC (1986, p. 74)

**Claims:** LULU 1-16

**Source:** Summary by T. Bremner of assessment report 091744 by M.P. Phillips.

**History:**

The LULU claims were staked on an old showing known as the RAMS HORN, which was explored by trenches and three short adits prior to 1908.

**Description:**

Metamorphosed volcanic rocks of the Taku Group are intruded by Cretaceous granodiorite and Tertiary feldspar porphyry. A fault zone cutting altered aphanitic volcanic rocks hosts irregular lenses of vuggy quartz up to 12 cm wide containing arsenopyrite, pyrrhotite, pyrite, minor galena and traces of chalcopyrite. The fault zone strikes 040-085° and dips 25-69° northwest. The old adits and one of the old trenches all follow the fault, which pinches out along strike and down dip.

**Current Work and Results:**

The area around the old workings was remapped and sampled in 1971. A sulphide-bearing quartz lens in the No. 2 adit returned 21.9 g/t Au and 37.4 g/t Ag over a 30 cm width. Fine-grained altered volcanic rocks containing 6 mm quartz lenses and up to 3% pyrrhotite and pyrite were sampled in the No. 3 adit, returning 1.7 g/t Au and 166.3 g/t Ag over 45 cm.

BIG THING (TAG)  
(Adjoins BIG THING (ARCTIC) property)  
W.L. Fowler

Work Target  
105 D 2 (9)  
60°07'N, 134°40'W  
1986

**References:** INAC (1987, p. 208)

**Claims:** TAG 1-20

**Source:** Summary by W.P. LeBarge from assessment report 091719 by G.S. Davidson.

**History:**

The TAG claims were staked in 1986 by W.L. Fowler.

**Description:**

The TAG property is underlain by Paleozoic and Mesozoic sedimentary and volcanic rocks which are intruded by the granitic Carcross Pluton. Cache Creek Group andesitic flow and pyroclastic rocks outcrop on the southeast corner.

Sulphide mineralization occurs to the south of the property at the old Arctic Gold and Silver Mines workings. Three north to northwesterly dipping fracture zones in granodiorite host gold and silver-bearing veins with quartz, pyrite, galena, sphalerite, arsenopyrite and minor chalcopyrite.

**Current Work and Results:**

In 1986 a program of exploration was undertaken in an effort to locate mineralized quartz vein structures such as those found on the Arctic Gold and Silver Mines Property. A grid was constructed, and VLF-EM magnetometer and soil geochemical surveys were completed. Five hundred soil samples were collected of which 203 were analysed for gold, silver and lead. Moderately anomalous gold values up to 220 ppb Au were obtained from an east-trending zone. Moderate to weak VLF conductors coincided with the geochemical anomaly.

**BIG THING (PEERLESS)**  
 (Adjoins BIG THING (ARCTIC) property)  
 Larry Barrett

Gold, Silver Vein  
 105 D 2 (9)  
 60°05'N, 134°40'W  
 1986

**References:** INAC (1981, p. 116-122, 167)

**Claims:** BARB 1-34

**Source:** Summary of T. Bremner of assessment report 091932 by A.J. Reed, and information provided by L. Whelan (personal communication, 1988).

## History:

The BARB claims cover the old PEERLESS mine and surround the PRIDE OF YUKON and CARIBOU Crown Grants which were mined in 1968 and 1969, producing 50 960 tonnes of ore with an average grade of 8.9 g/t Au and 308.6 g/t Ag. The mine closed in 1969 and little work has been reported since then. The BARB property was staked by Larry Barrett in 1985 to cover open ground around the two remaining Crown Grants.

## Description:

The PEERLESS adit on the BARB claims intersected two gold and silver-bearing quartz veins. Both veins consist of quartz, pyrite and arsenopyrite. The #1 vein strikes 067° and dips 030° NW, and was explored by drifting and diamond drilling. The vein varies from 0.15 to 0.61 m in thickness and carries erratic grades up to 2.7 g/t Au and 394.3 g/t Ag. The adit intersected the #2 vein on the boundary between the BARB claims and the PRIDE OF YUKON Crown Grant. The #2 vein strikes 040° and dips 40° NW, varying in width from 0.3 - 0.46 m and containing 10 to 50% sulphides. It was explored by drifting to the southwest beneath the Crown Grant, where a channel sample across the vein returned 41.1 g/t Au and 113.1 g/t Ag across 1.2 m. The northeast extension of the vein beneath the BARB claims was never explored.

## Current Work and Results:

A pre-feasibility study was carried out in 1986. This included a review of the economics of the 1968-69 Arctic Gold and Silver Mining operation, a survey of the PEERLESS mine dump, and a review of the 1966 soil survey results. The following conclusions were drawn:

1. The BARB property probably contains significant gold and silver reserves which complement proven reserves of 74 757 tonnes grading 13.4 g/t Au and 349.7 g/t Ag on the adjacent CARIBOU and PRIDE OF YUKON Crown Grants.
2. The Arctic Gold and Silver mill which had a capacity of 273 tonnes per day was excessively large for the scale of the mining operation. It is believed that the PEERLESS mine could feasibly supply a 5 to 46 tonne per day mill.
3. The PEERLESS dump contains approximately 1820 tonnes of mineralized quartz vein material.
4. Several areas of high gold and silver values were outlined by 1966 soil surveys. New surveys using more reliable analytical techniques for gold and silver should yield more definitive results.

In March, 1988, a VLF survey identified several major vein faults striking northeast across the BARB claims.



MT REID  
Omni Resources Inc.

Gold, Silver Vein  
105 D 3 (21)  
60°10'N, 135°24'W

Reference: INAC (1988, p. 156); Sinclair et al. (1975, p. 146-147).

Claims: KIM 1-52

Source: Summary by T. Bremner of assessment report 091925 by A. Montgomery.

#### History:

The KIM claims were added to the east end of Omni's Skukum Creek property in 1985.

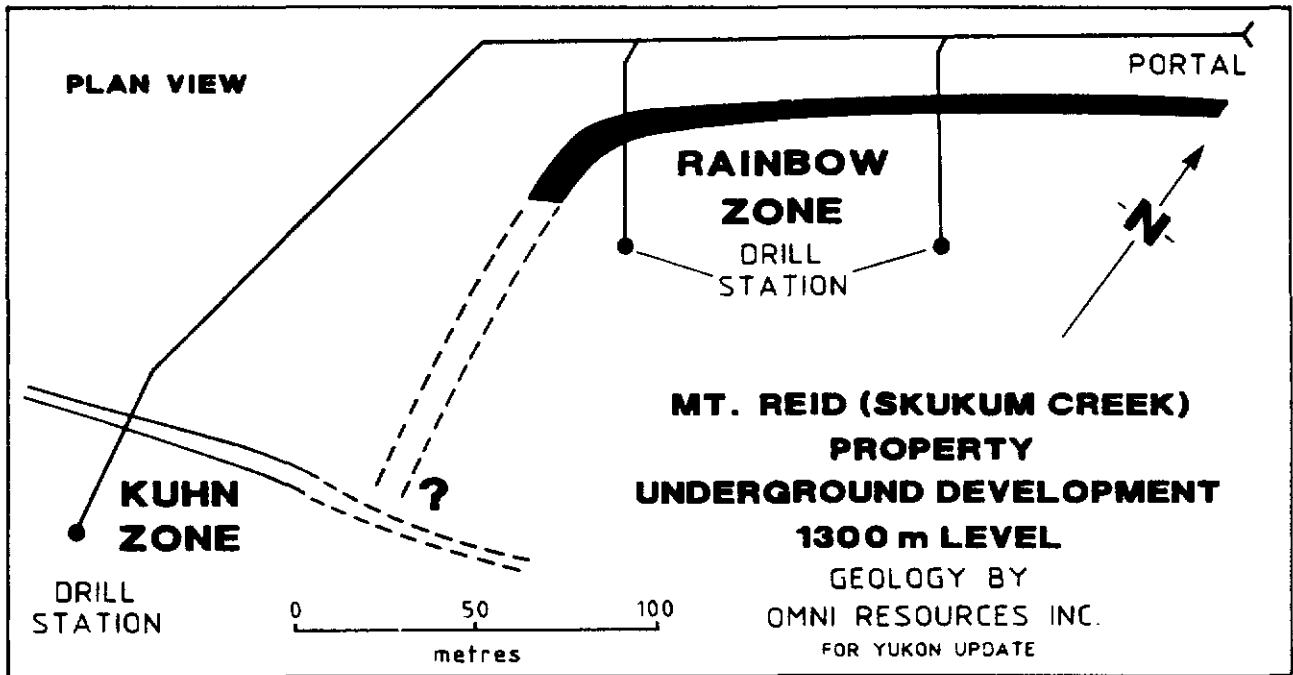
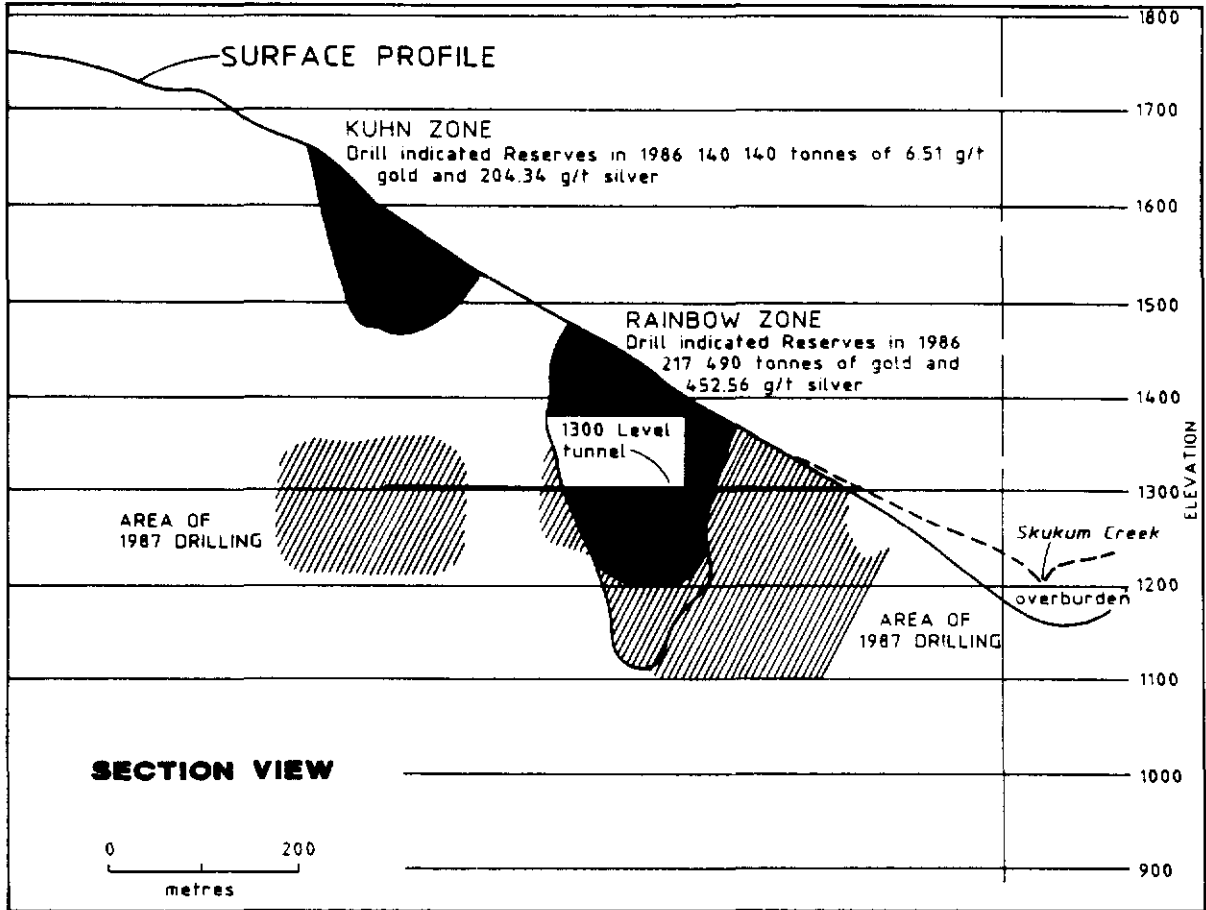
#### Description:

Numerous Eocene andesite and rhyolite dykes intrude Cretaceous quartz monzonite. Swarms of parallel andesite dykes trend west to northwest, while rhyolite dykes trend north to northeast.

#### Current Work and Results:

In 1986 the KIM claims were mapped at a scale of 1:10,000. Minor zones of quartz veining, brecciation, shearing and alteration were identified but no economically significant mineralization was found.

Forty reconnaissance rock and soil samples were collected from the east and northwest faces of Mt. Ward, and 724 soil samples were taken on a 50 x 50 m grid covering the ridge-top plateau. The samples were analysed for Pb, Zn, Ag, As and Sb. Three areas of interest were identified. The best results came from an outcrop on the northwest face, where intensely quartz-veined, clay and sericite-altered monzonite contained chalcocite, malachite, azurite and pyrite. A sample from this outcrop returned values of 235.5 ppm Ag, 73 ppb Au, 5904 ppm Cu, 1116 ppm Zn, 406 ppm As and 3028 ppm Sb. Anomalous gold values were found at the east end of the property. Chalcedony-breccia float from a northeast-trending gully contained 175 ppb Au and a sample of talus fines from the same area returned 180 ppb Au. A stream sediment sample containing 19.2 ppm Ag was taken near the southwest end of the property.



GODDELL, PORTER, BECKER-COCHRAN  
Berglynn Resources Inc.

Antimony, Lead, Zinc, Silver  
Gold Veins  
105 D 3 (24, 25, 26)  
60°11'N, 135°15'W  
1986

References: INAC (1987, p. 158-159)

Claims: POP 1-70, 101-122 including fractions; TECH 1-40 including fractions

Source: Summary by T. Bremner of assessment report 091931 by R.C.R. Robertson.

#### Current Work and Results:

Exploration in 1986 was carried out in three phases. Geological mapping, prospecting and geochemistry was done over parts of the POP claim group. The old Becker-Cochran #3 adit was rehabilitated, mapped and sampled. Backhoe trenches were excavated on the POP 25-27 and POP 49 claims.

Faults exposed in Goddell Gully and at the Becker-Cochran adits are interpreted as part of a major fault zone which trends 115° over a strike length of at least 4 km. Within the fault zone, quartz-biotite-stibnite-base metal veins carry up to 13.0 g/t Au. The fault zone cuts Cretaceous quartz monzonite, Cretaceous Tantalus Formation conglomerate and Mesozoic andesitic volcanic rocks. Eocene rhyolite dyke swarms and flows are common on the east side of the property and contain up to 250 ppb Au in silicified breccia zones.

The Becker-Cochran #3 adit extends 95 m from the portal where it intersects a drift along the main stibnite vein. Between the portal and the main drift the adit intersects numerous small shear zones in the monzonite containing calcite veinlets and areas of well-developed clay alteration and gouge. Chip samples from the adit returned background values of gold and silver.

Only the Goldpan Gully geochemical anomaly was trenched in 1986 due to the early onset of winter. The trenching uncovered pyritic andesite tuff and flows intruded by a feldspar porphyry plug, clay-altered rhyolite dykes trending 030° and flow-banded dacite breccia. Up to 10% disseminated pyrite occurs in two areas of pervasive silicification. Quartz-carbonate alteration is confined to narrow zones with abrupt contacts. Much of the rhyolite at the south end of the anomaly is clay-altered. No significant gold values were encountered in bedrock.

MT. STEVENS, CHARLESTON  
Island Mining and Exploration Ltd

Gold, Silver, Lead, Zinc Vein  
105 D 2, 3 (32, 19)  
60°10'N, 135°10'W  
1987

References: INAC (1987, p. 165-167)

Claims: TON 1-16; JL 1-80; GRAY 1-4; AFI 225-296; ISLAND 1-2FR

Source: Summary by T. Bremner of assessment report 091991 by A. Montgomery.

#### Current Work and Results:

Eight holes totalling 899.9 m were drilled in the Midnight Gulch area in 1987. The drillholes penetrated a sequence of andesite to rhyolite lithic tuffs and flows. Quartz-calcite stringers were common throughout the section. The best intersection was recorded in DDH 87-WB2 on the WHEELBARROW zone where a thin quartz vein crosscutting a dyke of propylitically-altered rhyolite porphyry returned 11.5 g/t Au and 3.8 g/t Ag over 45.7 cm.

LEGAL TENDER  
Havilah Gold Mines

Gold, Silver, Lead, Zinc Vein  
105 D 6 (39)  
60°20'N, 135°15'W  
1986

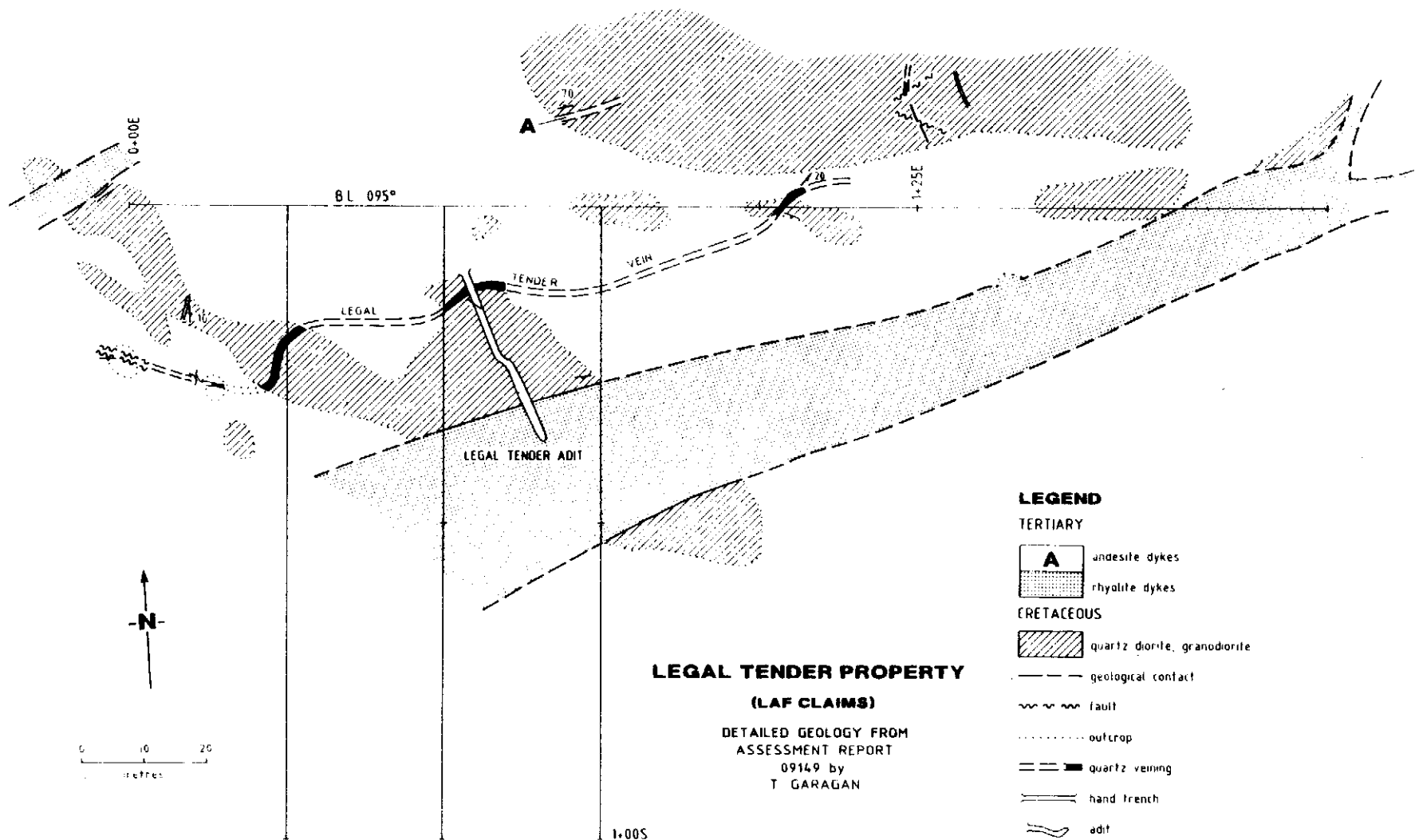
References: Cairnes (1912, p. 112-113); INAC (1987, p. 203)

Claims: LAF 1-20

Source: Summary by T. Bremner of assessment report 091949 by T. Garagan (Aurum Geological Consultants Inc.)

#### History:

J. Perkins discovered and staked the LEGAL TENDER vein in 1906. Samples from a 30.5 m drift returned 51.4-68.6 g/t Au and 2057.1-2742.8 g/t Ag. The claims were restaked several times between 1925 and 1974. The LAF 1-20 claims were staked in 1986 to cover the LEGAL TENDER adit area.



**LEGEND**

**TERTIARY**

- A** andesite dykes
- ▨ rhyolite dykes

**CRETACEOUS**

- ▨ quartz diorite, granodiorite
- - - geological contact
- ~ ~ ~ fault
- ..... outcrop
- ▬▬▬ quartz veining
- — — hand trench
- ⤵ adit
- ↗ altitude of vein or dykes

**Description:**

Cretaceous granodiorite is intruded by a swarm of rhyolite, and andesite dykes of Eocene age. Two veins occur on the property: the main LEGAL TENDER vein and the lower vein located 300 m to the west.

The LEGAL TENDER vein is exposed in outcrop, float, small trenches and a 30 m adit over a strike length of 120 m and occupies a shear zone in granodiorite up to 2 m wide. It strikes  $105-140^{\circ}$  sub-parallel to the rhyolite dykes and dips  $20-45^{\circ}$  southwest, pinching out to the west and becoming lost in talus to the east. The vein carries up to 10% galena and minor chalcopyrite which are irregularly distributed. Strong propylitic alteration of the host granodiorite is evident along the vein margins.

The lower vein is exposed in outcrop and boulders over a strike length of 200 m. It is about 1.5 m thick and is cut by several large rhyolite dykes. Specular hematite and sulphides make up 1 to 5% of the vein which consists mostly of fine-grained quartz. The vein pinches out to the east and disappears in talus and overburden to the west.

**Current Work and Results:**

The LEGAL TENDER adit was mapped in 1986 and the LEGAL TENDER vein was covered by a small geochemical grid. Two soil samples collected at the top of the LEGAL TENDER gully contained 5 ppm Ag and 120 ppb Au respectively. Grab samples from the LEGAL TENDER vein east of the adit returned up to 25.1 g/t Au and 425.1 g/t Ag. Chip samples returned up to 840 ppb Au over 1.0 m and up to 51.8 g/t Ag over 1.6 m. A grab sample from the lower vein returned 142.6 g/t Ag and 340 ppb Au.

MARSH  
G. McLeod

Gold Vein  
105 D 8 (63)  
 $60^{\circ}22'N, 134^{\circ}12'W$   
1987

**References:** INAC (1987, p. 168-169)

**Claims:** BUG 1-20

**Source:** Summary by W.P. LeBarge of assessment report 091730 by G.S. Davidson and notes based on a property visit by T. Bremner in July, 1987.

**Description:**

A system of massive quartz-carbonate-fuchsite alteration zones occurs along the margins of and within a fault-bounded body of serpentinized

peridotite. The serpentinite is separated from the quartz-carbonate by 1-2 m of talc schist. The alteration zones form dyke-like bodies about 12 m wide, which form conspicuous orange cliffs about 9 m high and extend at least 2.4 km along strike. The fresh rock is extremely hard, generally white to light green or grey in colour and frequently shows pale colour banding on a scale of about 0.5 cm. Where seen the colour banding is vertical and strikes north to northwest. In places the alteration is cut by generally vertical quartz veins, along one of three regional fracture systems, with azimuths of approximately  $010^{\circ}$ ,  $100^{\circ}$  and  $160^{\circ}$  respectively. Visible sulphides are rare in the quartz-carbonate rock but make up about 5% of the rock in occasional breccia zones.

The main quartz-carbonate body trends  $160^{\circ}$ , occupying a fault zone which separates greywacke, pebbly greywacke and slate of the Jurassic Laberge Group from massive green porphyritic to tuffaceous rocks of the Permo-Triassic Cache Creek Group (Taku Group). This fault zone forms a pronounced air photo lineament which is easily traceable for many kilometres beyond the property.

#### Current Work and Results:

The 1987 program consisted of the construction of an extensive road system and the excavation of four trenches (87-1 to 87-4) using a combination of bulldozer work and blasting. The trenches were mapped at a scale of 1:200 by G.S. Davidson. The property was visited by S.B. Ballantyne (Geological Survey of Canada), who collected samples for detailed mineralogical study, and by T.J. Bremner (INAC), who spent several days mapping to relate the property geology to the regional geology.

Trench 87-1 exposed a grey brecciated quartz vein situated at the contact between serpentinite, sandstone and slate. Up to 5% sulphides were found, mostly pyrite. Samples of the brecciated zone gave a weighted average grade of 534 ppb Au over 12 metres, with a high value of 1790 ppb over 50 cm.

Trench 87-2 exposed a quartz vein 0.3 to 1.2 m wide along a strike length of 36.6 metres. This vein contains up to 7% W (G. McLeod, personal communication (1988)).

Trench 87-3 cut across the western alteration zone, exposing a 9.5 metre thickness of massive grey and white banded quartz-carbonate rock.

Trench 87-4 exposed a brecciated, clay-altered pod of quartz-carbonate in highly sheared dark green volcanic rocks. A 1.5 metre quartz vein cuts the brecciated zone, and a clay-altered felsic dyke (10 cm) cuts non-brecciated volcanic rocks at the northwest end of the trench.

**PART**  
Eaglet Mines Ltd

Gold, Silver, Lead Vein  
105 D 3 (91)  
60°01'N, 135°13'W  
1986

**References:** INAC (1981, p. 167).

**Claims:** PART 1-50

**Source:** Summary by T. Bremner of assessment report 091926 by A.W. Gourlay (Minequest Exploration Associates Ltd).

**History:**

The property was first staked and drilled for uranium in 1978. The claims were subsequently dropped, but were restaked by L. Allen and R. Bilquist in co-operation with Minequest Exploration Associates in 1985. In 1986 the claims were optioned to Eaglet Mines Ltd.

**Description:**

Gold, silver, galena, pyrite and chalcopryrite occur in quartz veins occur in fractured ignimbrite of the Eocene Bennett Lake Caldera complex. Preliminary sampling of the discovery showing in 1985 returned values up to 57.9 g/t Au and 3442.2 g/t Ag.

**Current Work and Results:**

In 1986, detailed mapping, prospecting, geochemistry and geophysics over the central and south parts of the claims resulted in the discovery of several new occurrences. Mineralization is confined to north-trending fractures which dip steeply to the west and cut across a strong northwest-trending magnetic anomaly.

Three BQ diamond drillholes tested the downdip extension of the discovery vein. All three holes intersected quartz veins up to 5 mm thick which carry pyrite and galena. Intensely veined sections up to 2 metres wide contain as many as 20 veins per metre, with some of the veins consisting largely of sulphides. The high-grade values found at surface did not continue at depth but persistent sulphide mineralization and anomalous values up to 3.6 g/t Au and 50 g/t Ag were found in all three holes.



ART  
McCrorry Holdings (Yukon) Ltd

Gold, Silver Vein  
105 D 2 (97)  
60°04'N, 134°39'W  
1985

References: INAC (1981, p. 67); Roots (1981)

Claims: RAT 1-24

Source: Summary by T. Bremner of assessment report 091839 by R.C.R. Robertson.

#### History:

Numerous gold and silver occurrences were discovered on Montana Mountain between 1906 and 1909. Several of these (VENUS, MONTANA, ARCTIC-BIG THING) were mined between 1909 and 1921. The ARCTIC/CARIBOU (BIG THING) mine which adjoins the north side of the RAT claims comprises approximately 1000 m of underground workings excavated during the periods 1905-1909 and 1966-1969. A total of 59 823 m tonnes of ore was produced during the periods 1905-1909 and 1968-1969. The earlier shipments were of high-grade material with 34 g/t Au and 687-1029 g/t Ag. Remaining reserves are estimated at 9072 tonnes of 8.9 g/t Au and 309 g/t Ag.

Some prospecting, trenching and sampling was done on the ART property prior to 1936. Five subparallel veins were discovered, trending 80-85° and strongly mineralized with pyrite and arsenopyrite. The main vein was more than 914 m long and up to 12 m wide. Further sampling was done in 1965, followed by diamond drilling by TRV Minerals Corporation in 1979. Three BQ holes were drilled on the present RAT 18 claim. These holes failed to intersect any of the veins, and mineralization was restricted to a 3.7 m zone in one hole with thin quartz stringers which assayed 2.1 g/t Au and a trace of silver.

#### Description:

Plutonic and volcanic rocks of the Late Cretaceous Montana Mountain Complex (Roots, 1981) consist of the Carcross granitic pluton and associated andesite domes and intrusive breccias. Rhyolite and rhyolite-porphyry dykes intrude the complex. To the north and east the igneous rocks intrude Jurassic Laberge Group greywacke and Pennsylvanian and Permian greenstone and serpentized gabbro of the Cache Creek Group. Tertiary aplite dykes mark the contact between the intrusive complex and the older rocks.

#### Current Work and Results:

In 1985, prospecting turned up significant gold values in severely caved trenches dating from the mid-1960's. Quartz veins up to 20 cm wide containing pyrite, arsenopyrite and galena cut strongly altered wallrock. The best of ten rock samples assayed 21 g/t Au, 129 g/t Ag and 0.45% As.

CRO  
All-North Resources Ltd

Work Target  
105 D 3 (103)  
60°05'N, 135°15'W  
1987

References: Morin et al (1980, p. 33)

Claims: MAC 1-14

Source: Summary by W.P. LeBarge of assessment report 091978 by T. Garagan (Aurum Geological Consultants Inc.)

#### History:

The CRO 1-8 claims were staked in 1978 by E&B Explorations Ltd and Malabar Mines Ltd during a uranium exploration program. During the same year geological mapping, geochemical sampling and radiometric surveys were conducted. No significant anomalies were detected and the claims were allowed to lapse. In June 1986, a Geological Survey of Canada Regional Silt Geochemical Survey was released. A sample taken from a nearby stream gave values of 144 ppb and 281 ppb Au, 8.8 ppm Sb, 850 ppm As and 3.6 ppm Ag. The MAC 1-14 claims were staked in July 1986 by All-North Resources Ltd to cover the headwaters of the anomalous stream.

#### Description:

Cretaceous hornblende-biotite granodiorite and K-feldspar megacrystic hornblende granodiorite of the Coast Plutonic Complex is intruded by Tertiary quartz-feldspar porphyry ring dykes which form part of the Bennett Lake Caldera complex. Several east and northeast-trending faults on the property are spatially and structurally associated with the dyke system. An east-trending quartz vein 40 m long varies from 10 cm to 2 m wide and contains traces of pyrite.

#### Current Work and Results:

Exploration in 1987 consisted of stream sediment, soil and rock sampling. Of the 15 stream sediment samples and 43 soil samples which were collected and analysed for gold and silver, none were found to be above background levels. Two of the 6 rock chip samples returned anomalous values for gold and silver. One 10 cm chip sample from a small quartz vein assayed 155 ppb gold and 6.2 ppm silver, while a 1 metre chip sample of another vein assayed 16 ppb gold and 8.4 ppm silver.

**BEN**  
**All-North Resources Ltd**

**Gold, Silver Vein**  
**105 D 2 (104)**  
**60°02'N, 134°58'W**  
**1987**

**References:** Morin et al (1980, p. 33)

**Claims:** BEN 1-18, 23-35, 38, 39

**Source:** Summary by W.P. LeBarge of assessment report 091976 by T. Garagan (Aurum Geological Consultants Ltd).

**History:**

In July 1977, anomalous uranium detected by Kennco Explorations Ltd during a regional stream sediment survey resulted in the staking of the BEN 1-16 claims by E&B Exploration Ltd and Welcome North Mines Ltd. An exploration program of prospecting, geological mapping, geochemical sampling and radiometric surveys followed. No anomalies were found and the original claims were allowed to lapse. A Geological Survey of Canada Regional Stream Sediment Silt Survey released in 1986 detected anomalous gold in a nearby stream and resulted in the staking of the BEN 1-18 claims in July 1986 by Archer, Cathro and Associates (1981) Ltd for All-North Resources Ltd. The BEN 23-35, 38 and 39 claims were added in June 1987.

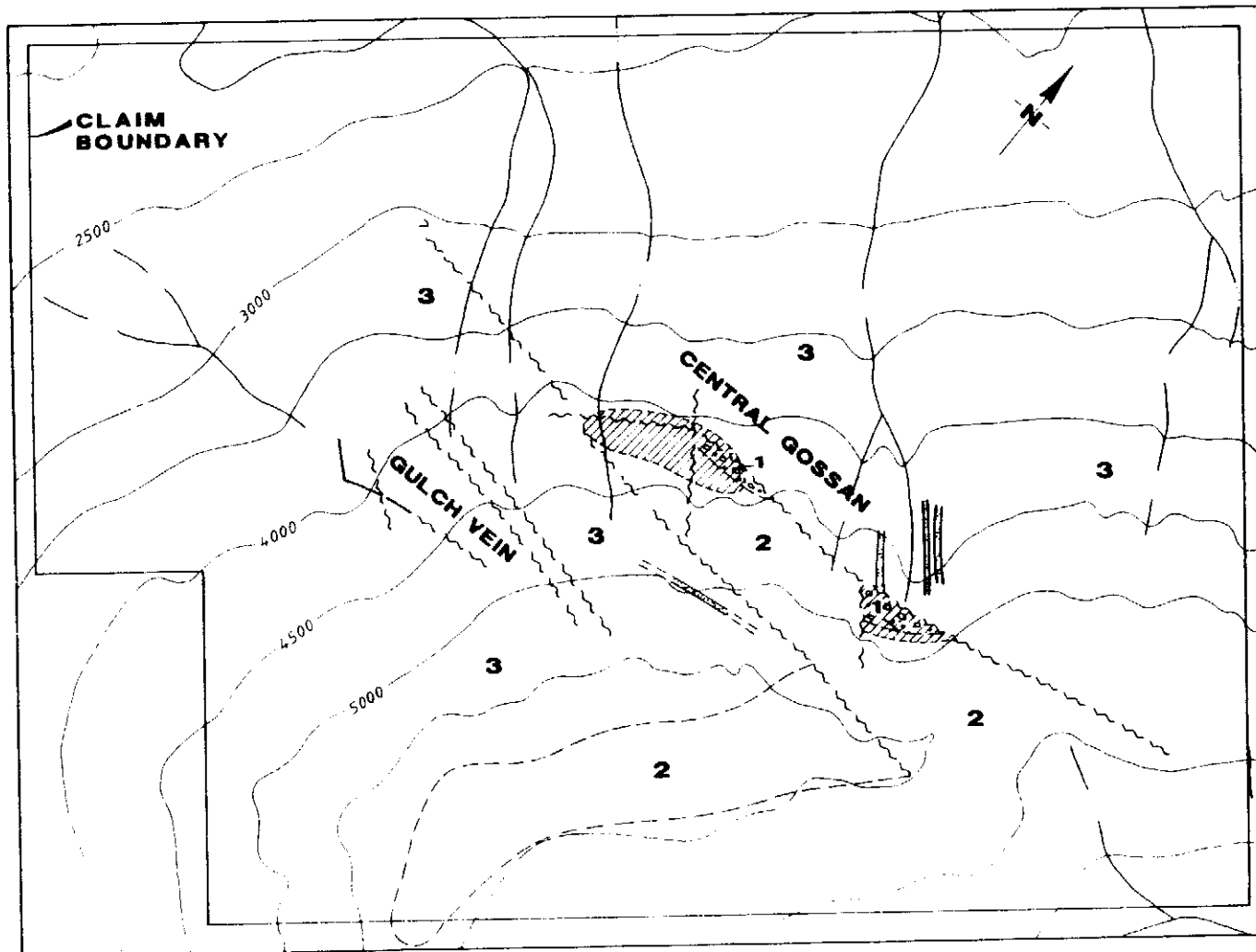
**Description:**

Upper Jurassic to lower Cretaceous Tantalus Formation conglomerate is overlain by Lower Cretaceous Mt. Nansen Group andesite flows, associated pyroclastics and minor felsic tuffs. Lower Cretaceous hornblende-biotite granite and K-feldspar megacrystic hornblende granite to granodiorite intrude earlier lithologies. East-trending Tertiary rhyolite dykes and northwest-trending andesite dykes crosscut the granodiorite on either side of two major east-west faults between which conglomerate and volcanic rocks are preserved. Numerous east-trending and northwest-trending faults occur on the property. Several zones of quartz veining, silicification and clay alteration occur on the property, spatially associated with east trending faults.

**Current Work and Results:**

The 1987 exploration consisted of prospecting, grid baseline construction, geological mapping and geochemical sampling. Geological mapping and prospecting delineated two precious metal-bearing quartz veins on the property. Intense argillic and potassic alteration accompanies the brecciated, sulphide-free granodiorite-hosted GULCH vein at the intersection of two faults. The east-trending vein varies from 1 to 3 m in width and is over 300 m long. Chip samples of the vein assayed as high as 6590 ppb Au and 78 ppm Ag over 1 m.

A gossanous zone near intersecting east and northwest-trending faults is

**LEGEND**

## TERTIARY

Andesite dykes

Rhyolite dykes

## LATE CRETACEOUS

**3** Grandiorite, granite

UPPER JURASSIC to  
LOWER CRETACEOUS

**2** Mt Nansen intermediate  
volcanics

Tantalus formation  
conglomerate

## SYMBOLS

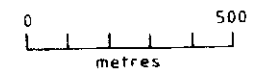
Fault

Geological contact  
(defined, assumed)

Bedding Tantalus  
conglomerate

Quartz vein

Gossan

**BEN PROPERTY  
(BEN CLAIMS)**

GENERALIZED GEOLOGY FROM  
ASSESSMENT REPORT  
091976 by  
T. GARAGAN

the site of the CENTRAL GOSSAN vein. Quartz, pyrite and clay alteration occur along the 50 m long, 0.5 m wide quartz-graphite vein which cuts granodiorite and conglomerate. Chip samples of this vein assayed as high as 55 ppb Au and over 200 ppm Ag.

In addition to the 33 rock samples collected at or near the quartz veins, 16 stream sediment and 81 soil samples were obtained during geochemical surveys. Several creeks draining east west fault zones were anomalous, with values as high as 315 ppb Au, 1.4 ppm Ag, 136 ppm Pb and 183 ppm Zn.

Eighty-one soil and talus fine samples were collected along gullies and below outcrops of quartz veins and clay-altered granodiorite. Several samples collected below the GULCH vein contained greater than 500 ppb Au, with values as high as 2800 ppb. Values of up to 8.0 ppm Ag, 184 ppm Pb, 182 ppm Zn and 106 ppm Mo were also obtained.

Talus fine samples in the central part of the claims contained values as high as 20 ppb Au, 19 ppm Ag, 3810 ppm Pb, 774 ppm Zn, 126 ppm Cu and 109 ppm Mo.

ODD  
Shakwak Exploration Co. Ltd

Gold, Silver, Copper Vein  
105 D 2, 3 (112)  
60°12'N, 135°01'W  
1986

References: INAC (1987, p. 173)

Claims: MAX 1-39; PIE IF-8F

Source: Summary by T. Bremner of assessment report 091943 by D.H. Waugh.

#### Description:

A gold-bearing quartz vein up to 3 m wide occurs within foliated, propylitically-altered andesite on Dickson Hill. The vein contains tetrahedrite, chalcopyrite and malachite. Previous drilling returned values up to 72.8 g/t Au and 32.9 g/t Ag over 0.6 m.

#### Current Work and Results:

Twenty-five bulldozer trenches were excavated to bedrock in 1986, and nine diamond holes totalling 365.2 m were drilled on three separate targets.

Trenching exposed the previously-explored quartz vein over a length of 22 m. The vein proved to be truncated by faults at either end. Surface sampling of the vein returned only low values of gold and silver. Three drillholes testing the strike and dip extensions of the vein failed to penetrate significant vein material.

Encouraging assays were obtained from a new showing 725 m northwest of the main vein. Two samples from trench B returned values of 25.5 g/t Au and 7.2 g/t Au from a 10 cm quartz vein in strongly sheared and altered metabasalt. DDH 86D-5 intersected the vein at a depth of 16.4 m but this part of the vein was not sampled.

The best drill results were obtained from DDH 86D-12 located on a third showing located 400 m north of the main vein. Quartz-calcite stringers in metabasalt contained 2% pyrite and assayed 6.2 g/t Au over 0.25 m.

NAIAD (MAJI)  
Kerr Addison Mines Ltd

Gold, Silver, Lead Vein  
105 D 3, 4 (114)  
60°01'N, 135°29'W  
1987

References: Wheeler (1961, p. 143); INAC (1983, p. 116)

Claims: MAJI 1-30

Source: Summary by W.P. LeBarge of assessment report 091959 by J. Pautler.

#### History:

In 1981 the NAIAD claims were staked by Archer, Cathro and Associates (1981) Limited on the basis of anomalous silver and lead geochemistry. Quartz vein float containing sulphides was discovered in 1982 and samples assayed as high as 569.8 g/t Ag. The claims lapsed and in 1986 the MAJI claims were staked by Kerr Addison Mines Ltd, northwest of the NAIAD claims.

#### Description:

The property lies along the western edge of the Bennett Lake Caldera complex. Paleozoic gneiss is intruded by Cretaceous quartz monzonite and granodiorite. The granodiorite is overlain by Eocene andesite to dacite volcanic and pyroclastic rocks. Tertiary rhyolite-quartz-feldspar porphyry ring dykes intrude Cretaceous and Tertiary plutonic and volcanic units. Quartz stringers, veins and quartz breccias occupy zones of silicification, clay and sericite alteration in the igneous rocks. Fluorite, pyrite, malachite, chalcopryrite, azurite, chalcocite and galena occur in variable amounts in some of the veins.

**Current Work and Results:**

In August, 1987 an exploration program of 1:25 000 scale geological mapping and geochemical sampling was conducted. Several fault-hosted quartz veins up to 1 metre wide and 10 metres long were located. Quartz-calcite breccia was observed in a north-trending fault zone separating rhyolite quartz-feldspar porphyry and granodiorite from andesite to dacite. Sixteen rock samples were collected and analysed for gold, silver, arsenic and antimony. Irregular quartz veins and stringers found in andesite talus assayed 62.05 g/t gold and 45 ppm silver. A sample of rhyolite quartz-feldspar porphyry with quartz stringers assayed 3150 ppb Au and 92 ppm Ag. Most samples anomalous in gold appeared to be related to north-trending fault zones in the centre of the property.

NAIAD  
Sirius Resource Corporation

Silver, Lead, Gold Vein  
105 D 3 (114)  
60°01'N, 135°25'W  
1987

References: INAC (1981, p. 167; 1987, p. 171)

Claims: BOUD 1-28

Source: Summary by T. Bremner of assessment report 092004 by A.W. Gourlay (MineQuest Exploration Associates Ltd).

**Description:**

The BOUD claims cover weakly altered Cretaceous quartz monzonite immediately outside the western margin of the Bennett Lake Caldera. Large quartz vein systems are associated with andesite dykes occupying ring fractures around the caldera.

**Current Work and Results:**

A total of 121 grab samples were collected from the property in 1987. All samples were analysed for gold and silver, and 31 selected samples for an additional 30 elements. Anomalous samples were found at three locations known as the CREEK, LES and ANGEL WING showings.

At the CREEK showing, quartz veins up to 1.2 m wide outcropping in Boudette Creek contain up to 1% pyrite, traces of galena and up to 126.2 g/t Ag.

The LES showing consists of parallel quartz veins up to 5 m wide which form a strong 160° airphoto lineament extending 1400 m across the BOUD 3, 4,

13 and 14 claims. Grab samples of iron-stained quartz containing up to 1% galena returned up to 2.3% Pb and 216.0 g/t Ag.

In the ANGEL WING area, massive chalcedony contains traces of pyrite and galena and abundant cavities up to 4 cm filled with drusy quartz crystals. The chalcedony occurs with silicified andesite and dacite along another strong 160° lineament. Specimens containing quartz crystals pseudomorphous after tabular calcite contained up to 2.9 g/t Au.

MT. SKUKUM MINE  
AGIP Canada Ltd  
Total Erickson Resources Ltd

Gold, Silver Vein  
105 D 3 (115)  
60°12'N, 135°25'W  
1986-1987

References: MacDonald (1987); INAC (1987, p. 175)

Claims: KUKU 17-19, 21, 31; PUP 29F, 30F

Source: Summary by T. Bremner of assessment report 091945 by L.C. Mortimer.

#### Current Work and Results:

In 1986 and 1987 nine BQ holes totalling 1449 m were drilled on the CIRQUE, LAKE, BRANDY and PIKA zones. DDH 86-173 in the LAKE zone penetrated a quartz-carbonate vein and 2 m of footwall rock carrying 2.4 g/t Au over the first 5.77 m and 4.1 g/t Au over the next 7.77 m. Also in the LAKE zone, DDH 86-177 intersected a quartz-carbonate vein grading 14.6 g/t Au over 0.41 m.

EVIEW  
G. Harris

Silver, Lead, Zinc Vein  
105 D 6 (117)  
60°27'N, 135°03'W  
1986

References: INAC (1987, p. 176)

Claims: EYE 1-16

Source: Summary by W.P. LeBarge of assessment report 091717 by G.S. Davidson.



**Current Work and Results:**

In 1986 the exploration program consisted of grid reconstruction, geochemical and geophysical surveys, and one blast trench. Seventy-nine soil samples were collected and analysed for gold, silver, lead, zinc, copper and arsenic. Rock samples from the blast trench were similarly assayed.

A strong silver-lead-zinc soil anomaly was defined in one part of the grid, while in another area anomalous gold (480 ppb) and arsenic (120 ppm) was found in an area of gossanous soil.

A strong conductor was found to correspond with the silver-lead-zinc anomaly which probably traces the contact between limy siltstone and a pyrite-rich rhyolite porphyry. The blast trench uncovered heavily oxidized quartz and fragments of rhyolite and limy siltstone in a fractured rusty quartz matrix. Grab samples from the trench assayed as high as 4000 ppm zinc, 1600 ppm Pb, 580 ppm Cu, 41 ppm Ag, 92 ppm As and 10 ppb Au.

**GLENLIVET**  
Pacific Trans-Ocean Resources Ltd

**Work Target**  
105 D 3 (129)  
60°03'N, 135°17'W  
1987

**References:** INAC (1987, p. 177-178)

**Claims:** GLENLIVET 1-46

**Source:** Summary by W.P. LeBarge of assessment report 091979 by T. Garagan (Aurum Geological Consultants Inc.)

**Current Work and Results:**

The GLENLIVET claims were optioned by Pacific Trans-Ocean Resources Ltd from AGIP Canada Ltd in 1987. A program of geochemical surveying, trenching and trench mapping was subsequently carried out.

Fifty-six soil samples were collected and analysed for gold and silver. A number of samples were anomalous, with 5 samples assaying higher than 96 ppb Au and 0.6 ppm Ag. Values as high as 210 ppb Au and 3.13 ppm Ag were encountered.

Six trenches were excavated on the claims. Four of the trenches were located across the sericitized, chalcedony-veined and fractured rhyolite of the SCARLET zone. Of the 23 rock and talus samples collected from two trenches in this zone none were anomalous in gold or silver.

The brecciated, faulted, silicified rhyolite and clay gouge of the AFTER-EIGHT zone was the site of another trench. No veining was encountered and geochemical samples were not anomalous.

A 2.0 m fault zone of gypsum veining and clay alteration was the site of a sixth trench. No samples were collected from this trench.

OLLIE, ERA  
Havilah Gold Ltd

Copper, Silver Vein  
105 D 3 (135, 161)  
60°15'N, 135°00'W  
1985

References: INAC (1987, p. 179, 203)

Claims: NEW 1-30; ERA 1-20

Source: Summary by T. Bremner of assessment report 091939 by R. Clarkson (New Era Engineering Corp.), and J. Devlin.

**Current Work and Results:**

Data from 1985 geochemical and geophysical surveys was reinterpreted for Havilah Gold Ltd in 1986. On the ERA claims, several gossans were found to coincide with spot magnetic highs on the west edge of the property. Magnetic anomalies define rough northwest and northeast trends which can also be interpreted from contoured soil geochemical maps. Scattered geochemical values up to 400 ppb Au appear to coincide with a well-defined magnetic low which trends northwest through the centre of the claim block. A multi-element anomaly downslope from an old adit on the northwest side of Mt. Stevens assayed 100 ppb Au, 5.7 ppm Ag, 490 ppm Pb, 400 ppm Zn, 101 ppm Cu and 10 ppm As.

BEAR (CUB)  
Shakwak Exploration Co. Ltd

Work Target  
105 D 6 (145)  
60°16'N, 135°16'W  
1986

References: INAC (1986, p. 183)

Claims: BEAR 1-56; CUB 1-24

Source: Summary by T. Bremner of assessment report 091936 by R.C.R. Robertson.

**Current Work and Results:**

In 1987, 21 diamond drillholes totalling 2087.12 m were completed on the BEAR and CUB claims. The drillholes tested a variety of targets within an

area of gossan and clay alteration on the north side of Vesuvius Hill, penetrating silicified and altered andesite breccia, andesite, and lapilli tuff. Drill logs for holes 86-6, 86-14 and 86-20 document abundant fractures filled with quartz, calcite and pyrite. Core from drillholes 86-6 and 86-14 shows extensive iron and silica flooding. In DDH 86-20, fracture zones are strongly clay-altered and andesite layers show weak to moderate propylitic alteration. Two 2-metre intervals within a thick zone of oxidized volcanic breccia returned highly anomalous mercury values in excess of 5000 ppb.

**BEE**  
Noranda Exploration Co. Ltd

Gold, Lead, Zinc Vein  
105 D 14 (147)  
60°47'N, 135°15'W  
1985

**References:** INAC (1987, p. 184)

**Claims:** BEE 1-63; CEE 1-26

**Source:** Summary by T. Bremner of assessment report 091942 by S. Mackay and W. Reid.

### **History:**

The BEE claims were first staked in 1974. Initial work on the property consisted of prospecting and blast trenching. Whitehorse Copper Mines Ltd optioned the property in 1979, and carried out IP and soil surveys, geological mapping and trenching on the east part of the claim block before dropping the option. Silver Sabre Resources Ltd carried out soil and geophysical surveys over the main showing in 1982 and drilled two holes. In 1983, magnetometer, VLF-EM and CEM surveys on a new grid between the Whitehorse Copper grid and the main showing were followed up by bulldozer trenching. In 1984 and 1985, encouraging results from limited regional mapping and geochemistry prompted Noranda Exploration Co. to option the BEE claims. Work in 1985 consisted of geochemical, magnetometer and HLEM surveys and geological mapping, followed up by bulldozer trenching. Following this work, Noranda relinquished its option.

### **Description:**

Sedimentary rocks of the Triassic Lewes River Group are intruded by Cretaceous granite. In the central part of the BEE claims, a plug of Tertiary? rhyolite intrudes an open anticline which folds Triassic siltstone, limestone, minor chert and tuff about an axis trending 110°. Several felsic dykes are associated with the rhyolite plug. A gold-bearing shear zone which trends 090° cuts the rhyolite plug and the north limb of the anticline.

Quartz veins within the shear zone contain pyrite, pyrrhotite, galena, sphalerite and minor chalcopyrite and arsenopyrite. The longest mineralized vein has a strike length of 60 m. Quartz stringers and silicified zones in the adjacent rhyolite also contain sulphides including pyrite, pyrrhotite and minor arsenopyrite, galena and sphalerite.

#### Current Work and Results:

One of four 1986 bulldozer trenches exposed the main quartz vein over a strike length of 10 m. The vein contained up to 80% galena, sphalerite, pyrrhotite, pyrite and minor chalcopyrite over a width of 40 cm. It trends  $102^{\circ}$  and dips steeply north.

Three rotary holes totalling 201.2 m were also drilled along the shear zone. The first two drillholes penetrated pyritic argillaceous limestone and silicified rhyolite. The third drillhole penetrated pyritic greywacke with a few quartz stringers.

Study of a LANDSAT image shows the rhyolite outcrop area as an irregular oval shape. The shear zone appears as a strong east-west lineament with a strike length of several kilometres.

ROB  
Anina Resources Inc.

Work Target  
105 D 3 (155)  
 $60^{\circ}13'N$ ,  $135^{\circ}09'W$   
1986

References: INAC (1987, p. 187)

Claims: ROB 1-38, 39F-44F

Source: Summary by T. Bremner of assessment report 091948 by H.J. Keyser (Aurum Geological Consultants Inc.).

#### Current Work and Results:

In 1986, 254 soil samples were taken on a grid covering the east ridge of Mt. Anderson. Anomalous values up to 520 ppb Au were obtained from a zone trending northeast across the central part of the grid. Contour talus samples taken around the west ridge of Mt. Anderson returned values up to 780 ppb Au, 50 ppm Ag and 6340 ppm Pb. Anomalous silt containing up to 520 ppb Au, 27.0 ppm Ag, 1700 ppm Pb and 300 ppm Cu occurs in several creeks draining the north face of the mountain. Detailed prospecting turned up limonite-stained vuggy quartz vein float on the ridge crest west of Mt. Anderson which contained traces of pyrite and galena. Selected samples of this float returned up to 2151 g/t Au and 521.5 g/t Ag.

**CHARLIE (RAIN)**  
 (Adjoins CHARLIE property)  
 Northern Natural Resource  
 Services Ltd

**Work Target**  
 105 D 3 (156)  
 60°14'N, 135°12'W  
 1986

**References:** INAC (1985, p. 206)

**Claims:** RAIN 1-43; WIND 1-18 (including fractions)

**Source:** Summary by T. Bremner of assessment report 091923 by H.J. Keyser (Aurum Geological Consultants Inc.)

**History:**

The WIND and RAIN claims were staked in September, 1985 to cover the east edge of the Eocene Skukum Volcanic Complex north of Mt. Anderson. There is no record of previous exploration on the property.

**Description:**

Because the claims lie wholly within the Wheaton River valley, most of the property is covered with thick glacial and alluvial deposits. Rare bedrock exposures consist of Cretaceous granodiorite, and less commonly Eocene andesite and rhyolite dykes, plugs and pyroclastic rocks.

**Current Work and Results:**

Reconnaissance geochemistry in 1986 included rock and silt sampling. A total of 11 samples were analysed for gold and selected samples were also analysed for silver, lead, copper, arsenic, antimony and barium. Several pan concentrates were also assayed for gold and platinum.

**CHARLIE, WAL**  
 Skukum Ventures Inc.

**Gold, Silver Vein**  
 105 D 3, 6 (156, 173)  
 60°15'N, 135°12'W  
 1987

**References:** INAC (1987, p. 195)

**Claims:** WAL 1-81 including fractions; CHARLIE 1-16; HEAVEY METAL 1-4

**Source:** Summary T. Bremner of assessment report 091963 by I. Coster.

**Current Work and Results:**

Detailed geological mapping of selected areas in 1987 concentrated on unravelling the Eocene volcanic stratigraphy. Most of the volcanic rocks on the property were assigned to Formation 3, 4 and 5 of Pride (1986). The Formation 3 rocks consist of irregular andesite flows with propylitically altered margins. Flow-banded rhyolite and rhyolite lapilli tuff of Formation 4 is overlain by andesite to dacite volcanic breccia of Formation 5. The volcanic rocks appear to have been deposited on a mountainous Cretaceous paleosurface and are underlain by Cretaceous granodiorite and porphyritic quartz monzonite.

Northeast and northwest-trending andesite dykes 0.3 to 7.6 m wide are common throughout the property. Rhyolite dykes up to 45.7 m wide occupy radial and ring fractures on the east side of the Mt. Skukum Caldera and contain up to 2% disseminated pyrite. Narrow lamprophyre dykes are restricted to the south part of the property.

Mineralization and alteration were noted in the following settings: massive and chalcedonic quartz veins, shear zones, propylitically-altered zones, hematite alteration zones and clay-altered zones.

A total of 166 soil and silt and 102 rock samples were also collected in 1987 and the results integrated with data from previous surveys. Anomalous samples form several clusters. The East zone hosts a narrow gold-bearing quartz vein discovered in 1986. Further prospecting and sampling near the East zone failed to turn up any new showings but yielded a large number of anomalous values scattered along the Wheaton River. Shears and veinlets in narrow andesite dykes cutting granodiorite contained up to 1460 ppb Au. A strong multi-element soil anomaly on the east side of Dawson Charlie Creek was sampled in detail in 1987 with one sample returning 97 ppm As, 926 ppm Sb, 339 ppm Pb, 659 ppm Zn, 1.4 ppm Ag and 43 ppb Au.

JJ  
Geovista Gold Corp.

Lead, Gold, Silver Vein  
105 D 3, 4 (166)  
60°09'N, 135°31'W  
1987

**References:** INAC (1987, p. 190)

**Claims:** ASH 1-10; JJ 1-10

**Source:** Summary by T. Bremner of assessment report 091970 by R. Hulstein (Aurum Geological Consultants Inc).

**Current Work and Results:**

Two showings located in 1986 were re-examined in 1987 but not resampled. On the northeast side of the property, galena and pyrite occur in quartz veins which strike northwest and dip 40-50° southwest. The veins are 5-10 m long and less than 20 cm wide, and parallel strongly developed joints in granodiorite.

On the southeast side of the property a rusty quartz vein contains pods of galena and pyrite with minor chalcopyrite and traces of molybdenite. The vein is 5 m wide and strikes 040° parallel to a granodiorite-diorite contact and numerous northeast-trending andesite dykes.

No new showings were found in 1987. Two lines of reconnaissance soil samples in the northeast corner of the property returned slightly elevated arsenic values. A major fault zone in the same area marked by brown clay gouge and a swarm of subparallel andesite dykes was sampled but returned only background geochemical values.

CA  
C. Ashley

Work Target  
105 D 5 (169)  
60°17'N, 135°40'W  
1986

References: INAC (1986, p. 78)

Claims: ASH 11-20

Source: Summary by T. Bremner of assessment report 091929 by R.A. Doherty (Aurum Geological Consultants Inc.).

**History:**

The ASH 11-20 claims cover the same area as the former CA 1-10 claims which were also held by C. Ashley.

**Description:**

Roof pendants of Paleozoic? schist and gneiss in Cretaceous granodiorite are intruded by Eocene rhyolite porphyry and andesite dykes in the northeast corner of the property. Quartz veining is common in the metasedimentary rocks.

**Current Work and Results:**

Reconnaissance geochemistry returned maximum values of 35 ppb Au in silt and 1.8 ppm Ag in talus.

MR  
Skukum Ventures Inc.

Silver, Gold Vein  
105 D 3, 6 (170)  
60°15'N, 135°07'W  
1987

References: INAC (1987, p. 193)

Claims: RM 1-27

Source: Summary by T. Bremner of assessment report 091952 by I. Coster.

#### History:

The RM claims were staked in May, 1986. They are adjacent to the MR group which covers gold and silver bearing quartz-carbonate veins outcropping along Dail Creek.

#### Description:

Cretaceous granodiorite is cut by occasional andesite, rhyolite and lamprophyre dykes.

#### Current Work and Results:

In 1987, 194 soil and talus fine samples were taken on a narrow grid which covers the break in slope on the north side of the Wheaton River valley. Twenty-five samples returned gold values in excess of 50 ppb. Most of the anomalous samples consisted of fine talus. At the east end of the grid, samples downslope from a rhyolite dyke returned up to 840 ppb Au.

WAL (HAVI)  
(Adjoining WAL claims)  
Skukum Ventures Inc.

Work Target  
105 D 6 (173)  
60°17'N, 135°13'W  
1986

References: INAC (1987, p. 204)

Claims: HAVI 1-36

Source: Summary by T. Bremner of assessment report 091951 by H.J. Keyser (Aurum Geological Consultants Inc.)



**History:**

The HAVI claims were staked for Walhala Exploration Ltd in 1985 and were subsequently optioned by Skukum Ventures. There is no evidence that the property had been previously staked.

**Description:**

Cretaceous granodiorite is intruded by parallel swarms of northeast-trending andesite and rhyolite dykes of Eocene age. Small felsic intrusions and possible flows and pyroclastic rocks have also been mapped over a wide area. The claims occupy the downthrown side of a normal fault which preserved the volcanic rocks from erosion. Breccia occurs along the base of the fault scarp on the southwest part of the property.

**Current Work and Results:**

Reconnaissance silt and soil sampling in 1986 returned values ranging up to 132 ppm Pb, 5.4 ppm Ag and 80 ppm Au. Rock samples ranged up to 5900 ppm Pb, 86.9 ppm Ag, 40 ppb Au, 28 ppm As, 100 ppb Hg and 150 ppm Sb.

In 1987 the property was covered by a soil grid and silt samples were taken from streams within the claim boundaries. Fifty-one silt and 1113 soil samples were analysed for gold, silver, lead, zinc, arsenic and antimony. The geochemical results defined two linear multi-element anomalies trending 035° and 110° which are interpreted as possible fault zones. Anomalous values ranged up to 862 ppm Pb, 6.4 ppm Ag and 979 ppm Zn. Anomalous gold values up to 490 ppb are mostly concentrated along the 110° trend.

RABBITFOOT, GRAFTER, KODIAK CUB, ANACONDA  
Whitehorse Copper Mines Ltd

Copper, Molybdenum, Gold  
Skarn  
105 D 11,14 (190,201,216,226)  
60°40'N, 135°05'W  
1987

References: Watson (1984); INAC (1987, p. 197)

Claims: BONZO Fr., BORNITE 1, GEM 2

Source: Summary by W.P. LeBarge from assessment report 091718 by R. Stroshein.

**Current Work and Results:**

Between June 15 and 26, 1987 three diamond drill holes were completed totalling 858 feet. The purpose was to test the gold potential of the KODIAK CUB and GRAFTER occurrences as well as an airborne EM anomaly near Rabbit's Foot Canyon. At the KODIAK CUB deposit, massive-magnetite-serpentine-bornite skarn was intersected which assayed 2.9% Cu, 4.46 g/t Au and 21.3 g/t Ag over 4.63 m. At the GRAFTER deposit, massive magnetite-diopside-garnet skarn was intersected over 3.96 m assaying trace values of copper. Near Rabbit's Foot Canyon, a 2.74 m calcareous and carbonaceous clay zone was intersected.

**COWLEY PARK**  
Hudson Bay Mining and  
Smelting Co. Ltd

Copper, Molybdenum, Gold,  
Silver Skarn  
105 D 11 (213)  
60°34'N, 135°53'W  
1986

**References:** Watson (1984)

**Claims:** ACE 1

**Source:** Summary of T. Bremner of assessment report 091937 by G. Bidwell.

**Current Work and Results:**

In 1986, a major north-trending magnetic anomaly in the Cowley Park area was tested by a single 140.2 m diamond drillhole. The drillhole encountered massive Cretaceous granodiorite beneath 93.9 m of overburden. A 21.8 m thick flow of Quaternary Miles Canyon basalt within the overburden at 49.0 m proved to be the cause of the anomaly.

**COWLEY PARK (LINDA)**  
Adjoins COWLEY PARK property  
Alice Lake Mines Ltd

Work Target  
105 D 10 (213)  
60°35'N, 134°54'W  
1968

**References:** No previous reference

**Claims:** LINDA 1-4

**Source:** Summary by T. Bremner of assessment report 091729 by J. Lloyd.

**Description:**

The claims straddle the buried contact between Cretaceous granodiorite and sedimentary rocks of the Triassic Lewes River Group at the south end of the Whitehorse Copper Belt.

**Current Work and Results:**

In 1968 a magnetometer survey was conducted to accurately locate the contact and an IP survey was carried out to identify possible sulphide-bearing skarn deposits. No major IP anomalies were detected.

**AUL**  
Eaglet Mines Ltd  
Sirius Resource Corp.

**Work Target**  
105 D 3 (218)  
60°01'N, 135°21'W  
1987

**References:** INAC (1987, p. 196-197)

**Claims:** AUL 1-24

**Source:** Summary by T. Bremner of assessment report 091962 by A.W. Gourlay (MineQuest Exploration Associates Ltd).

**Current Work and Results:**

Prospecting, geological mapping and rock chip sampling were carried out in 1987. Mapping delineated a massive conglomerate unit unconformably overlain by a volcanic sequence of andesitic crystal tuff, rhyolite lithic tuff, welded tuff and spherulitic rhyolite. The volcanic sequence lies within the Bennett Lake Caldera of Eocene age. Normal faults cutting the volcanic sequence host irregular quartz veins up to a metre wide and several metres long. Float samples collected beneath cliff exposures of the veins contained irregular patches of silver-bearing galena up to 7 mm across, and minor chalcopyrite, malachite and azurite. Several rock samples returned values between 75.4 and 338.7 g/t Ag.

RED RIDGE, INCO  
Havilah Gold Mines Ltd

Gold, Silver Vein  
105 D 6 (224, 78)  
60°21-22'N, 135°07-10'W  
1985, 1986, 1987

References: Craig and Milner (1975, p. 44)

Claims: FOUR F 1-64, 67-109; PCG 1-12

Source: Summary by T. Bremner of assessment reports 091738 and 091928 by H.J. Keyser (Aurum Geological Consultants Inc.), and 092128 by T. Garagan (Aurum Geological Consultants Inc.)

### History:

The eastern part of the RED RIDGE property covers the INCO porphyry copper occurrence first staked by Phelps Dodge Corporation as the WAT, SON and RIV claims in 1970. Inco Ltd further explored the property in the 1970's. The present property was staked for Havilah Gold Mines Ltd in 1985.

### Description:

The RED RIDGE property covers the hornfelsed contact between a Cretaceous granodiorite intrusion and argillite, limestone chert and sandstone of the Jurassic Laberge Group. The hornfelsed rocks are rusty and form a large gossan along the central part of Red Ridge. Andesitic flows, breccia and tuff of early Mesozoic age outcrop in the west and northeast parts of the property. All of the Mesozoic rocks are cut by rhyolite, andesite and fine-grained granitic dykes of probable Eocene age which trend northeast.

Skarn, propylitization and silicification are common near intrusive contacts. Silver and gold occur in clay-quartz-carbonate shear zones containing galena, pyrite and tetrahedrite in the eastern part of the property. Pyrite, chalcopyrite, bornite and malachite occur in veins and along fractures in weakly altered granodiorite near the southeast corner of the claim block.

### Current Work and Results:

Exploration in 1985 consisted of reconnaissance prospecting, mapping and geochemistry. Sulphide-bearing quartz rubble containing up to 147.1 g/t Ag was found in an area of felsenmeer designated the EAST zone. Mapping showed the EAST zone consists of a series of mineralized shears associated with gossanous soil anomalous in gold, silver, copper, lead, zinc, arsenic, antimony and mercury.

In 1986, hand trenching of the EAST zone located three subparallel shear zones associated with bleached, silicified andesitic dykes cutting propylitic and sericite-altered granodiorite. The main shear zone was exposed in trench 5A where galena found in the rubble assayed 6202.1 g/t Ag, 0.58 g/t Au and 57.5% Pb. Disseminated galena and tetrahedrite were found in clay gouge, crushed quartz vein material and altered granodiorite. A chip sample across the main shear zone averaged 228.7 g/t Ag over a true width of 3.0 m including 0.7 m of 451.9 g/t Ag.

Reconnaissance soil sampling in the central part of the property returned

values of up to 2700 ppb Au. The most anomalous results came from the SADDLE zone, a covered area on trend with a swarm of fine-grained northeast-trending dykes which lies 1500 m west of the EAST zone showing.

In 1987, additional soil sampling on the EAST zone outlined two broad north-trending silver-lead anomalies similar in size and strength to the main EAST zone anomaly. On the SADDLE zone, a detailed grid was established and seven hand trenches were excavated. Soil samples from the SADDLE zone grid returned up to 7700 ppb Au and >50 ppm Ag. The excavations showed that the SADDLE zone is a zone of fracturing, clay alteration, silicification and quartz veining at least 30 m long and 0.5 to 5 m wide. Grab samples from the SADDLE zone contained up to 38.4 g/t Au and 377.1 g/t Ag. A chip sample from one of the trenches returned 4.1 g/t Au and 63.1 g/t Ag over 1.0 m. Anomalous soil and talus fine samples suggest that the SADDLE zone may extend up to 150 m along strike to the south.

Two other areas of quartz veining were discovered. Two hundred metres west of the SADDLE zone, silicified, carbonate-altered granodiorite is cut by a vertical quartz stockwork trending 095°. The soil is oxidized next to the outcrop and contains up to 2400 ppb Au, >50 ppm Ag and >10 000 ppm Ag. A grab sample contained 1100 ppb Au and 141.3 g/t Ag. Four hundred and fifty metres west of the SADDLE zone the east-trending SHEEP vein is up to 1 m wide and can be traced in outcrop and float for about 100 m. It contains traces of galena and chalcopyrite. Soil near the vein contains up to 1200 ppb Au.

The INCO copper showing was also examined in 1987. Several rock and talus-fine samples were taken. Grab samples from chalcopyrite-bearing veins in the porphyry contained up to 220 ppb Au and 11 ppm Ag.

**SAID**  
Pacific Trans-Ocean Resources Ltd

**Gold Vein**  
105 D 3, 6 (228)  
60°16'N, 135°27'W  
1987

**References:** INAC (1987, p. 198-199)

**Claims:** SAID 1-35, 1-4 Fr

**Source:** Summary by W.P. LeBarge of assessment report 091971 by T. Garagan (Aurum Geological Consultants Ltd).

#### **Current Work and Results:**

In 1987 Pacific Trans-Ocean Resources Ltd optioned the SAID claims and carried out a program of geological mapping, geochemical sampling, geophysics, road building, trenching and drill site preparation.

Four zones of quartz veining and quartz-cemented breccia with associated clay and quartz-pyrite alteration occur on the property. Four trenches and

two drill pads were located along the far SW zone, a 475 m long, 10 m wide zone of quartz veining, brecciation, fault gouge and clay alteration. Outcrop samples returned values up to 19.8 g/t Au and 24.3 g/t Ag. Trenches exposed intensely clay-altered, silicified and fractured volcanics cut by numerous quartz veins and stockworks, with individual veins up to 2.4 m wide. Chip samples from trenches returned small values of up to 4.8 g/t Au and 7.2 g/t Ag over 1 m. A grab sample from one trench assayed 9.9 g/t Au and 15.1 g/t Ag.

EARL  
Pacific Trans-Ocean  
Resources Ltd

Gold, Silver Vein  
105 D 3, 4 (229)  
60°11'N, 135°30'W  
1987

References: INAC (1986, p. 71; 1987, p. 199)

Claims: EARL 1-32

Source: Summary by T. Bremner of assessment report 092084 by T. Garagan (Aurum Geological Consultants Inc.)

#### Current Work and Results:

In 1987 the TWIST zone grid was extended and sampled and two small trenches were blasted on the south side of the zone. The geochemical survey outlined a gold-silver soil anomaly 600 m long and 30-90 m wide associated with northwest-trending rhyolite dykes and a train of quartz boulders. Individual soil values ranged up to 524 ppb Au and 176 ppm Ag. The trenches exposed narrow quartz veinlets cutting quartzite, schist and phyllite. A two-metre chip sample across the veins exposed in trench #1 returned 184 ppb Au, compared to 600 ppb Au in the overlying soil.

Northeast of the TWIST zone, reconnaissance talus fine samples contained up to 726 ppb Au, 8.0 ppm Ag, 129 ppm Pb and 1650 ppm As. In the same area a 0.4 m chip sample from a quartz vein containing pyrite, galena and arsenopyrite returned 400 ppb Au. Northwest of the TWIST zone, four anomalous soil samples contained between 120 and 860 ppb Au. Anomalous samples were also taken between the TWIST zone and the CHARLESTON vein which outcrops 25 m south of and may extend onto the EARL property.

CISCO  
Ashworth Explorations Ltd

Work Target  
105 D 3 (232)  
60°03'N, 135°12'W  
1986

References: INAC (1987, p. 204)

Claims: CISCO 1-18

Source: Summary by T. Bremner of assessment report 091930 by H. Copland.

#### History:

The CISCO claims were first staked in 1986 adjacent to the PART property where gold, silver and lead occur in quartz veins cutting Eocene Volcanic rocks.

#### Description:

Cretaceous quartz monzonite underlying most of the property is intruded by rhyolite and andesite dykes up to several metres wide.

#### Current Work and Results:

Reconnaissance silt and soil samples failed to yield any anomalous results. Prospecting turned up several pieces of anomalous float including quartz breccia containing 1-2% disseminated pyrite, minor galena, 4.2 ppm Ag and 95 ppb Au.

FOX, BARR  
Skukum Ventures Inc.

Work Target  
105 D 3 (234, 271)  
60°14'N, 135°05'W  
1987

References: INAC (1987, p. 207)

Claims: BARR 1-16, 39-60

Source: Summary by T. Bremner and W.P. LeBarge of assessment reports 092087 and 091720 by I. Coster.

**Description:**

The BARR claims are underlain by Cretaceous granodiorite intruded by rhyolite to andesite stocks and dykes of Eocene age.

**Current Work and Results:**

The 1987 program consisted of contour soil sampling and stream sediment sampling. One hundred and fifty contour soil samples were collected across the northwest slope of Tally-Ho Mountain on the BARR 1-16 claims. Five of these were weakly anomalous in gold, one was weakly anomalous in silver and one had a slightly elevated copper content. The highest values obtained were 69 ppb Au, 1.3 ppm Ag and 218 ppm Cu.

On the BARR 39-60 claims, 63 soil samples and 70 silt samples were collected and analysed for gold, silver, arsenic, antimony, lead and zinc. One sample returned a weakly anomalous value of 205 ppb Au while three samples were slightly anomalous in zinc.

STEN  
Skukum Ventures Inc.

Work Target  
105 D 3 (237)  
60°11'N, 135°19'W  
1987

References: INAC (1987, p. 207)

Claims: STEN 2, 5-7, 9-10, 14-17, 19-20

Source: Summary by W.P. LeBarge of assessment report 091732 by I. Coster (Skukum Ventures Inc.).

**History:**

The STEN claims were staked in 1985. No previous work is known.

**Description:**

The claims are underlain by Cretaceous granodiorite of the Coast Plutonic Belt, which is generally massive and blocky weathered. West-trending Tertiary dykes of andesitic to rhyolitic composition have intruded the granodiorite.

Mineralization is hosted in granodiorite and is associated with shear zones and rhyolite dykes. Disseminated to massive pyrite and magnetite pods occur near lenses of quartz-sericite melange.



**Current Work and Results:**

The 1987 program consisted of the collection of 98 talus fine soil samples and 17 selected rock samples. All samples were analysed for gold, silver, lead, zinc, arsenic and antimony. Of the rock samples, only one was weakly anomalous in gold. Several anomalous zones were defined by the talus fines, with moderate values of gold, silver, zinc and arsenic. The highest gold value was 830 ppb in soil.

SON  
All-North Resources Ltd

Work Target  
105 D 4 (245)  
60°11'N, 135°35'W  
1987

References: INAC (1987, p. 208)

Claims: SON 1-10

Source: Summary by W.P. LeBarge of assessment report 091974 by T. Garagan (Aurum Geological Consultants Inc.).

**History:**

The SON claims were staked in July 1986 to cover a multi-element geochemical anomaly revealed by a Geological Survey of Canada Regional Silt Geochemical Survey.

**Description:**

Biotite granodiorite of the Cretaceous Coast Plutonic Complex intrudes Paleozoic? garnet-quartz-biotite schist, phyllite, micaceous quartzite, feldspar-chlorite schist and marble. Metasedimentary rocks are hornfelsed near intrusive contacts and structurally oriented towards the northwest. Several discontinuous bull quartz and fine-grained sugary quartz veins up to 2 m wide occur in northwest-trending zones parallel to the foliation within the metamorphic rocks.

**Current Work and Results:**

A silt sample collected during a regional geochemical survey by the Geological Survey of Canada contained 46 ppb Au, 35 ppm As, 54 ppm Co, 230 ppm Cu and 630 ppm Zn. In 1987 All-North Resources collected 5 stream sediment, 85 soil and 10 rock samples for 33 element analysis. The best stream sediment

sample contained 46 ppb Au, 100 ppm As, 11.5 ppm Cd, 117 ppm Co, 115 ppm Cr, 437 ppm Cu, 457 ppm Ni and 1015 ppm Zn. Several soil samples were anomalous in a number of metals, including one zone on the east side of the property which returned values as high as 34 ppb Au, 8 ppm Ag, 195 ppm As, 4670 ppm Ba, 121 ppm Cr, 323 ppm Cu, 192 ppm Ni, 100 ppm Pb and 861 ppm Zn. Soil samples collected in the central part of the claim group contained up to 424 ppb Au. Several quartz veins were sampled and analyzed for 33 elements but only background levels of all elements were encountered.

**BTT**  
Doron Exploration Inc.

**Work Target**  
105 D 3 (246)  
60°00'N, 135°20'W  
1986

**References:** INAC (1987, p. 208)

**Claims:** BTT 1-10

**Source:** Summary by W.P. LeBarge from assessment report 091728 by J.E. Wallis and B.A. Lueck (Doron Exploration Inc.).

**History:**

The property was staked in 1986 over a large magnetic anomaly which adjoins a gold and silver prospect in the B.C. part of the Bennett Lake Caldera Complex.

**Description:**

The claims are underlain by Eocene Skukum Group felsic ash flow tuff and lapilli tuff. Small zones of bleaching, pyrite alteration and silicification occur in cracked and broken tuff.

**Current Work and Results:**

The 1986 program consisted of reconnaissance geology and geochemistry to evaluate mineralized alteration zones within the Bennett Lake Caldera Complex. Fifty-two rock samples, 50 soil or talus fines and 4 stream sediment fines were collected. Samples were analysed for 32 elements. No significant anomalies were detected in samples from the Yukon claims.

BRUTE  
Omni Resources Inc.

Work Target  
105 D 2 (272)  
60°06'N, 134°44'W  
1987

References: Roots (1981, p. 116-121); INAC (1986, p. 74; 1987, p. 172)

Claims: AFI 37-126

Source: Summary by W.P. LeBarge of assessment report 091961 by H.F. MacKinnon.

### History:

The AFI 47-126 claims were staked by Omni Resources Inc. in 1984, and in 1987 the AFI 37-44 claims were restaked by Omni Resources Inc. In 1985 a program of prospecting, geological mapping, geochemical sampling and airphoto interpretation was undertaken, and several areas of anomalous geochemical values were delineated.

### Description:

Triassic Lewes River Group andesite, basalt, pyroclastic rocks, limestone and limestone breccia occur on the west side of the property and are overlain to the east by steep east-dipping argillite and conglomerate of the Jurassic Laberge Group. Mesozoic strata are intruded by north to northwest trending rhyolitic and porphyritic andesite dykes of possible Cretaceous age. Early Tertiary granodiorite, quartz monzonite and granite of the Coast Plutonic Complex intrude older strata.

Altered sedimentary rocks and sediment-hosted quartz and/or carbonate breccias and veins contain pyrite, malachite and chalcocite in variable amounts, with weak to moderate chloritization, hematization and sericitization in adjacent wallrock.

Sheared and altered granodiorite is host to gossanous vuggy quartz veins and a chalcedonic quartz hematite breccia. Alteration halos 1 to 2.5 m wide contain chlorite, hematite, limonite, sericite and clay.

Clay, iron carbonate and limonite alteration occur along the contact between Laberge Group sediments and Cretaceous granodiorite.

### Current Work and Results:

The 1987 exploration program consisted of 1:10 000 scale geological mapping, prospecting, geochemical sampling and geophysical surveying.

Geological mapping defined several altered shears and quartz veins in quartz monzonites, which assayed up to 970 ppb gold and 22.1 ppm silver. Several chalcedonic quartz and/or carbonate breccias were also delineated, with geochemical values of up to 56 ppb Au, 3280 ppm As and 36 ppm Sb.

Of the 32 rock samples analysed six were anomalous in gold, with values as high as 970 ppb gold. Only one of the 22 stream sediment samples was

considered anomalous with a value of 275 ppb gold.

The limited VLF survey which was conducted on the property was successful in delineating several poorly conductive shears or faults which roughly correspond with airphoto lineaments.

**13. COLLEGE GREEN**

R. Toohey  
105 D 2  
60°09'N, 134°50'W

Claims: LAKE 1-6

**13. COLLEGE GREEN**

Omni Resources Ltd  
105 D 2  
60°06'N, 134°44'W

Claims: AFI 37-44

**15. LATREILLE**

E. Bergvinson  
105 D 3  
60°01'N, 135°08'W

Claims: PIM 1-109

**28,155. MT. ANDERSON, ROB**

Skukum Ventures Inc  
105 D 3  
60°13'N, 135°06'-13'W

Claims: BARR 1-16, 117-138;  
ROAD 108;  
BANK 1-3;  
BRIDGE 1-8;  
RIDGE 16-23

**45. CUTOFF**

E. Kreft, B. Kreft  
105 D 14  
60°56'N, 135°12.5'W

Claims: KID 1-2

**50. TREMAR**

T. Kopp  
105 D 11  
60°44'N, 135°13'W

Claims: H20 1-8

**62. M'CLINTOCK**

C. Stack  
105 D 9  
60°35'N, 134°25'W

Claims: PPM 1-6

**63. MARSH**

Dunvegan V.G. Syndicate  
105 D 8  
60°22'N, 134°12'W

Claims: BUG 17-24

**65. MICHIE**

J. Jobin, L. Brault  
105 D 9  
60°37'N, 134°10'W

Claims: FOX 1-48

**71. HARNIAK**

S. Poole  
105 D 11  
60°37'N, 135°30'W

Claims: SAL 1-4

**79. SUITS (KING LAKE)**

O. Davis  
105 D 14  
60°48'N, 135°28'W

Claims: TOP 1-16

**87. MIDGETT**

O. Davis  
105 D 14  
60°49'N, 135°25'W

Claims: CROSS 1-6

**91. PART**

R. Bilquist  
105 D 3  
60°01'N, 135°25'W

Claims: BOUD 31-38

**97. ART**

L. Barrett  
105 D 2  
60°04'N, 134°41'W

Claims: RAT 1-12

**104. BEN**

J. O'Rourke  
105 D 2  
60°02.5'N, 134°57'W

Claims: BEN 23-29

**109. DUNK**

Omni Resources Inc.  
105 D 2  
60°01.5'N, 135°49'W

Claims: NORM 1-16,  
RR 1-16

**115. MT. SKUKUM MINE**

AGIP Canada Ltd;  
Total Erickson Resources Ltd  
105 D 13  
60°12'N, 135°25'W

Claims: CHU 1 FR

**118. TIKA**

Noranda Exploration Co. Ltd  
105 D 7  
60°18'N, 134°52'W

Claims: GILL 1-32

**122. ALBATROS**

G. Clark  
105 D 6  
60°17'N, 135°10'W

Claims: JILL 1-18

**124. FLAT**

E. Kreft  
105 D 14, 105 E 3  
61°00'N, 135°28'W

Claims: PILOT 1-2

**135. OLLIE**

J. Magrath  
105 D 6, 7  
60°17'N, 135°00'W

Claims: MAG 1-10;  
RATH 1-10;  
DRJ 1-10

**138. M&M**

J. O'Neill  
105 D 2  
60°02.5'N, 134°36'W

Claims: RAINDROP 1-2

**150. CON**

J. O'Neill  
105 D 2  
60°03'N, 134°35.5'W

Claims: SANDPIPER 1-2

**152. MATT**

E. Bergvinson  
105 D 3  
60°01'N, 135°23'W

Claims: HAL 1-42

**155. ROB**

M. Barker  
105 D 3  
60°13'N, 135°09'W

Claims: ROB 47-54 FR

**167. FACE**

M. Glynn, D. Sufady, R. Ques  
M. Ainsworth, R. Toohey  
105 D 4  
60°15'N, 135°37'W

Claims: MAG 1-205

**170. MR**

M. Vanwermerskerken  
105 D 3, 6  
60°15'N, 135°07'W

Claims: RM 28-31

**171. FANIN**

G. Gardner, T. Mrozinski  
105 D 6  
60°16'N, 135°02-3'W

Claims: PAYNE 11-16, TONY 1-

**172. STONE**

Berglyn Resources Inc  
105 D 3  
60°15'N, 135°20'W

Claims: STONE 71-83

**228. SAID**

Pacific Trans-Ocean Resources Inc.  
105 D 4  
60°17'N, 135°22'W

Claims: WAT 1-108

**232. CISCO**

E. Bergvinson  
105 D 3  
60°03'N, 135°15'W

Claims: WOO 1-106

**235. FREEDOM**

G. Reese, E. Tritscher,  
S. Beckett  
105 D 14  
60°53'N, 135°10'W

Claims: ELSA 1, RE NANNY,  
REDRILL

**241. DOUG**

S. McKeown  
105 D 2  
60°04'N, 134°33.5'W

Claims: SMART ASS

**245. SON**

T. Mrozinski, D. Sufady, R. Quesnel,  
R. Toohey, M. Glynn  
105 D 6  
60°10'N, 135°34'W

Claims: DAY 1-99

**246. BTT**

Doron Exploration Co. Ltd  
105 D 3  
60°02.5'N, 135°15'W

Claims: BTT 1-10

**250. SOONER**

T. Mrozinski, M. Ainsworth,  
R. Quesnel  
105 D 6  
60°22'N, 135°28'W

Claims: NOOS 1-48

**254. CRANBERRY**

J. Jones  
105 D 14  
60°52'N, 135°12'W

Claims: CRANBERRY

**254. CRANBERRY**

E. Kreft, B. Kreft  
105 D 14  
60°52'N, 135°13'W

Claims: DIO 1-2

**256. JA**

J. Smith  
105 D 16  
60°56'N, 134°12.5'W

Claims: BALT 1-11

**259. RIGEL**

Archer, Cathro and Associates  
(1981) Ltd  
105 D 2  
60°00'N, 134°30'W

Claims: RIGEL 1-10

**260. BOB**

E. Bergvinson  
105 D 3  
60°04'N, 135°21'W

Claims: BOB 1-92, KURT 1-52

**261. ETTE**

E. Bergvinson  
105 D 3  
60°03'N, 135°28'W

Claims: ETTE

**262. SIN**

D. Sufady, R. Quesnel,  
M. Ainsworth, M. Glynn  
105 D 3  
60°05'N, 135°24'W

Claims: SIN 1-139

**263. BERG**

R. Quesnel, D. Sufady,  
R. Toohey, T. Mrozinski  
105 D 3  
60°08'N, 135°14'W

Claims: BERG 1-162

**264. WHE**

T. Mrozinski, M. Ainsworth, R. Toohey,  
G. McLean, D. Sufady  
105 D 3, 4  
60°04'N, 135°34'W

Claims: WHE 1-286, 287FR-302FR

**265. WORB**

J.P. Ross  
105 D 5  
60°20'N, 135°45'W

Claims: WORB 1-8

**266. NET**

R. Toohy, M. Ainsworth,  
D. Sufady, T. Mrozinski  
105 D 6  
60°18'N, 135°14'W

Claims: NET 1-78

**267. GE**

J. Hogan  
105 D 11  
60°41'N, 135°03'W

Claims: GE 1-4

**268. VIN**

M. Ainsworth, R. Quesnel,  
D. Sufady, T. Mrozinski  
105 D 6  
60°18'N, 135°20'W

Claims: VIN 1-115

**269. BRONCO**

N. Horiuchi  
105 D 8  
60°28'N, 134°12'W

Claims: BRONCO 1-10

**270. PHIL**

Dunvegan V.G. Syndicate  
105 D 8  
60°23'N, 134°03'W

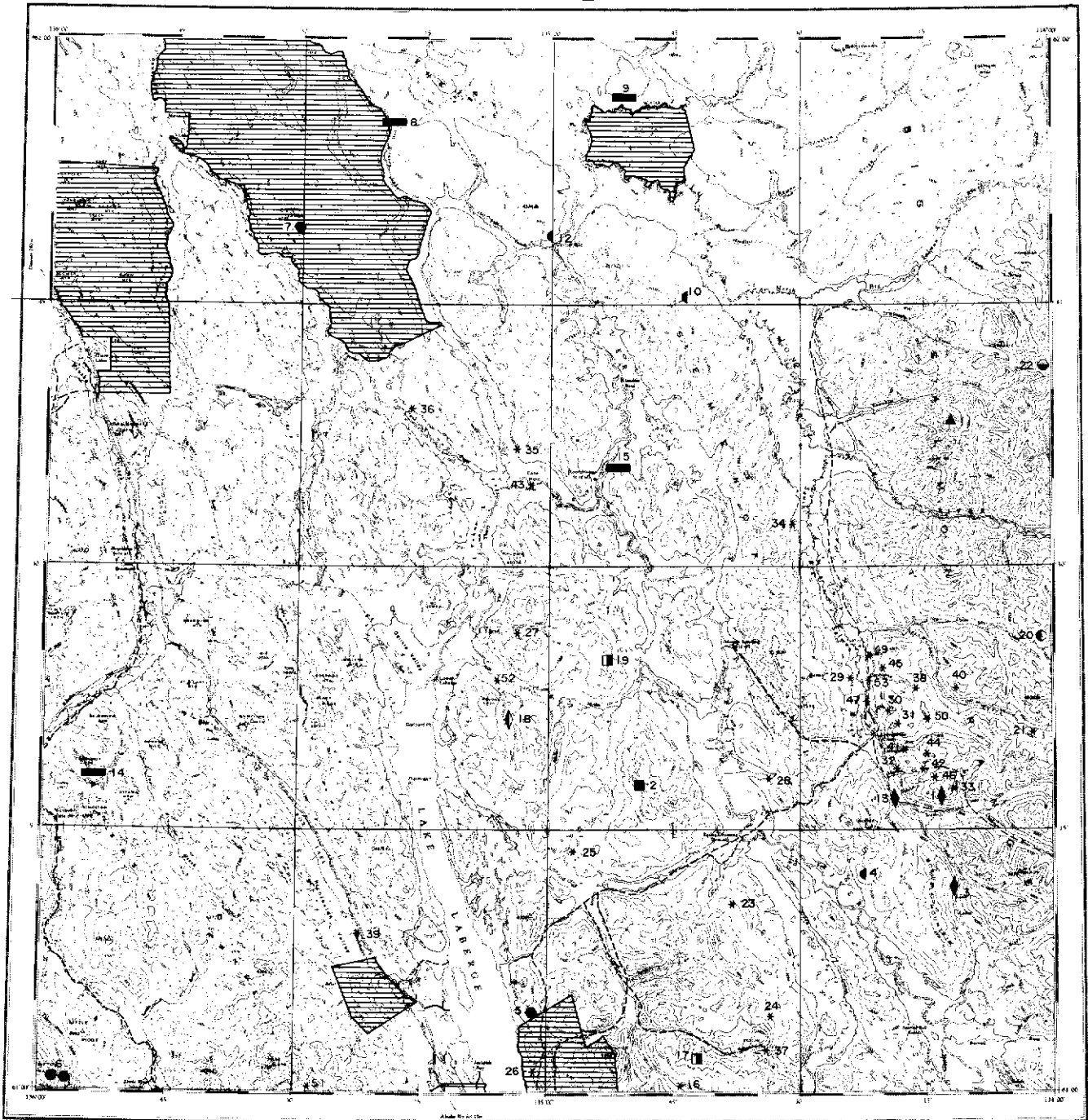
Claims: PHIL 1-12

**273. BM**

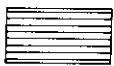
S.D. MacDonald  
105 D 16  
60°57'N, 134°21'W

Claims: BM 5-6

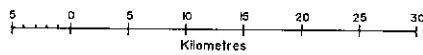




LABERGE  
YUKON TERRITORY



Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



- Tote Trail.
- Driveable Road.
- A Airstrip.

## LABERGE MAP-AREA (NTS 105 E)

General Reference: GSC Open File 1101 by D.J. Tempelman-Kluit, 1984.

NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	FLOAT	Vein Au Ag Cu Pb	105 E 8	7	INAC (1985, p. 168)
2	TUV	Porphyry Cu Mo	105 E 7	7	
3	LOON	Vein Au Ag Cu	105 E 1	6	INAC (1987, p. 212)
4	BEE	Occurrence Cu	105 E 1	7	
5	LABERGE	Skarn Cu Fe	105 E 3	7	Findlay (1969a, p. 55-56)
6	TAKHINI	Skarn Cu	105 E 4	7	
7	PACKERS (BAND)	Skarn Cu Fe	105 E 13	7	Sinclair et al (1976, p. 112-113)
8	CLAIR	Coal	105 E 14	7	Bostock & Lees (1938, p. 16)
9	WALSH	Coal	105 E 15	7	Bostock & Lees (1938, p. 16)
10	SEMENOF	Occurrence Au Cu	105 E 15	7	This Report
11	ILLUSION	Asbestos	105 E 9	7	INAC, Mines and Minerals Activities (1971, p. 19)
12	CASSIAR BAR	Unclassified Cu Ag	105 E 15, 14	7	
13	SYLVIA	Vein Pb Zn Au Ag Cu	105 E 8	7	
14	CORDUROY	Coal	105 E 5	7	
15	HOOTALINQUA	Coal	105 E 10	7	
16	HIG	Work Target	105 E 2	7	INAC (1981, p. 170)
17	LORI	Porphyry Mo Cu	105 E 2	7	Sinclair et al (1976, p. 110)
18	MUSTARD (GEM)	Vein Au	105 E 6	7	Sinclair et al (1976, p. 111)
19	BACON (BOND)	Porphyry Mo Cu	105 E 7	7	Sinclair et al (1976, p. 111)
20	HAL	Skarn W	105 E 8	7	INAC (1981, p. 170)
21	YETI	Work Target	105 E 8	9	INAC (1981, p. 170)
22	FOG MOUNTAIN	Skarn Zn Pb	105 E 9	7	INAC (1982, p. 121)
23	CROST	Work Target	105 E 2	9	INAC (1982, p. 121)
24	SLINE	Work Target	105 E 2	9	INAC (1982, p. 121)
25	AURIER	Work Target	105 E 2	9	INAC (1982, p. 121)
26	AKEL	Work Target	105 E 3	9	INAC (1982, p. 121)
27	OVOAS	Work Target	105 E 6	9	INAC (1982, p. 121)
28	ENOF	Work Target	105 E 7	9	INAC (1982, p. 122)
29	GERM	Work Target	105 E 8	9	INAC (1982, p. 122)
30	REN	Work Target	105 E 8	9	INAC (1982, p. 122)
31	NC	Work Target	105 E 8	9	INAC (1982, p. 122)
32	MARBEE	Work Target	105 E 8	9	INAC (1982, p. 122); INAC (1986, p. 84)
33	MAYBE	Work Target	105 E 8	9	INAC (1983, p. 121); INAC (1986, p. 84)
34	SBS	Work Target	105 E 10	9	INAC (1982, p. 122)
35	HOOT	Work Target	105 E 11	9	INAC (1982, p. 122)
36	RANKL	Work Target	105 E 11	9	INAC (1982, p. 122)
37	TES	Work Target	105 E 2	9	INAC (1983, p. 121)
38	RIM (CWL)	Work Target	105 E 8	9	INAC (1983, p. 121); INAC (1986, p. 84)
39	JOHN	Work Target	105 E 3	9	INAC (1986, p. 84)
40	GORD	Work Target	105 E 8	9	INAC (1986, p. 84)
41	BUMS	Work Target	105 E 8	9	INAC (1986, p. 84)
42	ERN	Work Target	105 E 8	9	INAC (1986, p. 84)
43	MIDAS	Work Target	105 E 11	9	INAC (1987, p. 213)
44	MAC	Work Target	105 E 8	9	INAC (1987, p. 213)
45	COLT	Work Target	105 E 8	9	INAC (1987, p. 213)
46	DEET	Work Target	105 E 8	9	INAC (1987, p. 213)
47	PHOENIX	Work Target	105 E 8	9	INAC (1987, p. 213)
49	GMC	Work Target	105 E 8	9	INAC (1987, p. 213)
50	AH	Work Target	105 E 8	9	INAC (1987, p. 213)
51	PILOT	Work Target	105 E 3, 14	9	This Report
52	JOAN	Work Target	105 E 6	9	This Report
53	CASEY	Work Target	105 E 8	9	This Report

**SEMENOF**  
Noranda Exploration Co. Ltd

Copper, Gold Occurrence  
105 E 14, 15 (10)  
61°45'N, 134°45'W  
1987

**References:** No previous reference

**Claims:** DAVE 1-10; SEM 1-28

**Source:** Summary by W.P. LeBarge of assessment report 091968 by H. Copland.

**History:**

The area was first staked as the SEM claims in 1972 by United Keno Hill Mines Ltd, as a copper prospect. Minor sampling and mapping was done and the claims later lapsed. In 1986 O. Davis staked the SEM and DAVE claims and in 1987 he optioned the claims to Noranda Exploration Co. Ltd.

**Description:**

The property lies within the Whitehorse Trough of the Intermontane Belt, where Upper Triassic Lewes River Group mafic flows, pyroclastic rocks and limestone are overlain by Jurassic Laberge Group clastics. Granitic to diorite intrusive plugs of Jurassic to Upper Triassic age also occur.

Bounded on the east by the Big Salmon fault and on the west by the Teslin fault, the predominant rock type is massive altered basalt, breccia, tuff and greenstone of the Pennsylvanian Semenof Formation. Boswell Formation phyllite, greywacke, chert and limestone are found in contact with Semenof Formation lapilli tuff and flows on the eastern fringes of the claims. Late-stage plutons and dykes of quartz-feldspar porphyry and quartz monzonite-diorite outcrop on the western borders of the claim group.

Propylitic alteration of the lapilli tuff occurs in a north-trending band 50 metres wide which is traceable 700 metres along strike. Epidote, calcite, minor tremolite and garnet are the main alteration minerals.

Within the zone of propylitization copper-gold mineralization occurs with bornite, malachite, azurite and specular hematite as the main constituents. Mineralized zones contain between 1 and 10% disseminated bornite and hematite in pods less than 0.5 metre across, in two zones approximately 2 metres in width.

**Current Work and Results:**

A program of geochemical surveys, geological mapping, geophysics and trenching was conducted in 1987. Sixteen silt, 374 soil, 65 rock and 9 pan concentrate samples were collected and analysed for copper, lead, zinc, silver, arsenic and gold. Soil samples were mostly subanomalous in copper and gold, with isolated high values up to 400 ppb Au and 620 ppm Cu. Grab samples of highly mineralized rock carried high values. However, unbiased sampling of 24 metres of trench returned values only as high as 640 ppm Cu and 150 ppb Au

over 2 metres.

Geophysical surveys defined a north-trending zone of low magnetic response and low resistivity which seems related to the band of propylitization on the property.

**1. FLOAT**

D. Gonder  
105 E 8  
61°16.5'N, 134°13'W

Claims: DLG 1-6,  
ENGLE 1-8,  
RP 1-10

**12. CASSIAR BAR**

O. Davis  
105 E 15  
61°50'N, 134°59'W

Claims: AXE 1-4

**30. REN**

R. Fendrick  
105 E 8  
61°22'N, 134°20'W

Claims: TUF 1-2

**43. MIDAS**

R. O'Brien  
105 E 12  
61°34'N, 135°02'W

Claims: MIDAS 9-20

**51. PILOT**

E. Kreft  
105 E 3, 105 D 14  
61°00'N, 135°28'W

Claims: PILOT 1-2

**52. JOAN**

R. Dalbianco  
105 E 6  
61°23'N, 135°06'W

Claims: JOAN 1-6

**53. CASEY**

R. Enyedy  
105 E 8  
61°23'N, 134°21'W

Claims: CASEY



QUIET LAKE  
YUKON TERRITORY



Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



- Total Trail.
- Driveable Road.
- A. Airstrip.

QUIET LAKE MAP-AREA (NTS 105 F)

General References: GSC Open File 486 by D.J. Tempelman-Kluit, 1977;  
 J.G. Abbott, 1986a;  
 GSC Geochem Open Files 1290 and 564.

NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 MOLLY	Skarn Mo W	105 F 1	6	INAC (1982, p. 126)
2 MOBS	Vein Ag Pb Zn	105 F 4	7	Green (1966, p. 60-62)
3 WOPUS	Vein Au Ag	105 F 4	7	INAC (1981, p. 177); INAC (1982, p. 133)
4 GOPHER	Vein Au Ag	105 F 4	7	Green (1966, p. 60-62); INAC (1983, p. 123-124)
5 IOLA	Vein, Replacement Cu Pb Zn	105 F 6	7	INAC (1982, p. 126-127)
6 VODKA	Asbestos	105 F 6	7	
7 TOWER PEAK	Asbestos, Vein Cu	105 F 6	7	
8 DODDY	Asbestos	105 F 6	7	
9 STORMY (PM)	Skarn Mo W	105 F 7	2	INAC (1982, p. 173)
10 MM	Stratabound Concordant Pb Zn Cu Ag (Ba)	105 F 7	6	Morin et al (1980, p. 60); Morin (1977, p. 83-97)
11 CPA	Vein Ag Pb Zn	105 F 8	7	Morin et al (1979, p. 80-81); INAC (1985, p. 173)
12 SONNY	Vein, replacement Au Ag Pb	105 F 8	7	INAC (1986, p. 90); This Report
13 KAY	Vein Ag Pb Zn	105 F 8	7	Findlay (1969a, p. 76-77); INAC (1986, p. 90)
14 SHARON (KET)	Vein Ag Pb	105 F 9	6	INAC (1987, p. 217-218, 221); This Report
15 OXO	Vein Au Ag	105 F 9	7	Green (1965, p. 42-43);
16 KOPINEC	Vein Cu	105 F 9	7	INAC (1982, p. 133);
17 KETZA RIVER (BOOM, KON)	Vein, Replacement Au	105 F 9	2	INAC (1987, p. 218); This Report
18 JD	Vein Pb Zn Ag	105 F 10	7	
19 BOX (JD)	Work Target	105 F 10	9	Morin et al (1979, p. 79,80); INAC (1986, p. 90)
20 GRAYLING	Vein, replacement Pb Ag Zn Au	105 F 10	6	INAC (1987, p. 219); This Report
21 COXALL (SUN)	Vein Cu	105 F 10	7	INAC (1987, p. 219);
22 TYRO	Vein Zn Ag Cu Pb	105 F 10	7	INAC (1986, p. 90)
23 HAYDN	Vein Ag Pb Cu Zn Au	105 F 10	7	Abbott (1986, p. 53)
24 GROUNDHOG	Vein Ag Pb Zn	105 F 10	5	Findlay (1969b, p. 46-47); This Report
25 ROCKY	Asbestos	105 F 15	7	
26 PONY	Vein Ag Pb Zn	105 F 11	7	Kindle (1945, p. 24)
27 HAM	Skarn W	105 F 11	7	
28 RISBY	Skarn W	105 F 14	2	INAC (1983, p. 123-124)
29 AMBROSE	Vein Cu Ag	105 F 9	7	
30 TUB (BRIE)	Occurrence Pb Zn Cu W	105 F 14	7	Sinclair et al (1976, p. 112)
31 EVA	Skarn W	105 F 14	7	INAC (1981, p. 173)
32 BARITE MOUNTAIN	Vein Ba	105 F 14	2	INAC (1983, p. 123-124)
33 McNEE	Vein Ba Pb	105 F 14	7	Kindle (1945, p. 24)
34 CANUSA	Vein Pb Ag Au	105 F 15	7	This Report
36 MT. COOK (GREW)	Occurrence Zn Mo	105 F 15	7	INAC (1983, p. 123-124)
37 LAPIE	Vein Au Ag	105 F 15	7	Kindle (1945, p. 25)
39 DANGER	Work Target	105 F 15	9	Kindle (1945, p. 25); Kindle (1945, p. 25); Morin et al (1980, p. 62)
40 MT. ROSS	Vein Au Ag	105 F 15	7	Kindle (1945, p. 25)
41 TRENCH	Work Target	105 F 15	9	Kindle (1945, p. 21);
42 WHISKEY LAKE	Coal	105 F 15	1	Findlay (1967, p. 89); INAC (1987, p. 222)
43 BRUCE LAKE	Work Target	105 F 16	9	INAC (1987, p. 223); This Report
44 MT. MISERY	Vein Ag Pb Cu	105 F 9	7	INAC (1987, p. 223-224)
45 KEY 3	Vein Ag Pb Zn	105 F 9	7	Green (1966, p. 64-68); Findlay (1969b, p. 44-46);
46 LAP 10	Vein Ag Pb Zn	105 F 9	6	Findlay (1969, p. 44-46);
47 HOEY (F2, F3)	Vein Ag Pb Zn Au	105 F 9	6	INAC (1987, p. 224-225);
48 STUMP (A1)	Vein Ag Pb Zn	105 F 9	2	Findlay (1969, p. 44-46); This Report
49 KETZA KEY	Vein Ag Pb Au	105 F 9	2	INAC (1981, p. 174)
51 HOGG	Vein Cu	105 F 8	7	
52 CALGAL (CHUNG)	Work Target	105 F 16	9	Morin et al (1980, p. 64)
53 ASKIN	Stratabound Concordant Ba	105 F 14	7	
54 DIRK	Stratabound Concordant Ba	105 F 15	7	
55 CONNELL	Work Target	105 F 10	9	INAC (1987, p. 231)
56 FURY	Vein Au Ag Cu	105 F 9	9	This Report
57 OBVIOUS	Skarn W	105 F 6	7	INAC (1985, p. 173)
58 WOKLUIT	Syenite breccia pipe REE, Th Nb	105 F 8	7	INAC (1981, p. 175)
59 GUANO	Skarn REE, Nb	105 F 8	7	Chronic and Godwin (1981, p. 55-59, 175) INAC (1987, p. 219)
60 TAKU (GYR)	Vein, Replacement Pb Zn	105 F 10	7	
61 H (PEAK)	Vein Pb Zn Ag	105 F 10	6	
62 FIRST	Work Target	105 F 11	9	INAC (1981, p. 176)
63 LAST	Work Target	105 F 11	9	INAC (1981, p. 176)
64 B.R.	Work Target	105 F 3	9	INAC (1982, p. 128-129)
65 MMM (MURPHY)	Work Target	105 F 4	9	INAC (1982, p. 129)
66 TIM	Work Target	105 F 4	9	INAC (1982, p. 129)
67 RPP	Work Target	105 F 5	9	INAC (1982, p. 129)
68 ADDY	Work Target	105 F 10	9	INAC (1981, p. 177)
69 JDX	Work Target	105 F 10	9	INAC (1981, p. 177, 173)
70 McCASH	Work Target	105 F 9	9	INAC (1981, p. 177)
71 FOX	Vein Pb Zn	105 F 10	7	INAC (1987, p. 220)

72	HIDDEN	Skarn W	105 F 6	6	INAC (1986, p. 89)
73	AYDUCK	Skarn W	105 F 6	6	INAC (1982, p. 129-130)
74	CLO	Work Target	105 F 9	9	INAC (1981, p. 176)
75	GULL	Vein Pb Zn Ag Ba	105 F 10	7	Morin et al (1978, p. 79, 80); This Report
76	HOOLEO	Work Target	105 F 16	9	Sinclair et al (1976, p. 162)
77	CHZERPNOUGH	Stratabound Concordant Pb Zn Cu Ag Ba	105 F 9	7	Morin et al (1979, p. 81)
78	BNOB	Stratabound Concordant Pb Ba	105 F 9, 10	5	INAC (1987, p. 220)
79	SUN	Deleted: same as #21 COXALL			
80	ANISE	Deleted: no information			
81	WIMP	Work Target	105 F 15	9	Morin et al (1980, p. 62)
82	MUMS	Work Target	105 F 8	9	Morin et al (1979, p. 80)
83	TREE	Work Target	105 F 9	9	Morin et al (1980, p. 61)
84	DROC	Vein Au	105 F 8, 9	6	Morin et al (1979, p. 81); This Reprt
85	HOWRU	Stratabound Concordant Pb Zn Cu Ag	105 F 9	6	Morin et al (1980, p. 62)
86	EROS	Work Target	105 F 9	9	Morin et al (1979, p. 82)
87	NOT	Work Target	105 F 10	9	Morin et al (1979, p. 82)
88	RAM	Deleted: same as # 20, 118, 121, 123, 125, 126			
89	LAP	Skarn W Cu	105 F 11	7	Morin et al (1980, p. 37)
90	PIM	Skarn W Cu	105 F 14	7	Morin et al (1980, p. 37)
91	GK	Stratabound Concordant Ba	105 F 14, 13	7	Morin et al (1980, p. 38)
92	ANGIE	Stratabound Concordant Zn Ag	105 F 16, 15	6	Morin et al (1980, p. 38)
93	BOB	Deleted: same as #37 LAPIE			
94	GRAY	Work Target	105 F 7	9	Morin et al (1980, p. 60)
95	IGLE	Work Target	105 F 9	9	Morin et al (1980, p. 61)
96	SEATU	Work Target	105 F 9	9	Morin et al (1980, p. 62)
97	TOM	Vein Cu Zn	105 F 16, 9	7	Morin et al (1980, p. 63)
98	FER	Work Target	105 F 3	9	INAC (1982, p. 133)
99	NCC	Work Target	105 F 9	9	INAC (1982, p. 133)
100	LORNE	Vein Pb Ag	105 F 10	7	INAC (1982, p. 130, 133); This Report)
101	MOX	Skarn, Vein Cu Pb Zn Ag	105 F 11	7	INAC (1987, p. 225)
102	SNERD	Work Target	105 F 11	9	INAC (1982, p. 133)
103	PISA	Work Target	105 F 3	9	INAC (1982, p. 131)
104	SAL	Work Target	105 F 4	9	INAC (1982, p. 131-132)
105	TIER	Work Target	105 F 9	9	INAC (1982, p. 132)
106	OXY	Work Target	105 F 7	9	INAC (1982, p. 132)
107	BIG OX	Work Target	105 F 7	9	INAC (1982, p. 132-133)
108	BIG SAM	Skarn W	105 F 14	7	INAC (1985, p. 173)
109	TAY (LP)	Vein Au	105 F 10	6	INAC (1987, p. 225-226); This Report
110	GP	Work Target	105 F 9	9	INAC (1987, p. 232)
111	SOUTH FAULT (F4, F6)	Vein Ag Pb Zn	105 F 9	7	Abbott (1986, p. 56-66); INAC (1987, p. 229)
112	K33	Vein Ag Pb	105 F 9	7	Abbott (1986, p. 56-66)
113	TROUT	Vein Ag Pb	105 F 10	7	INAC (1987, p. 220)
114	RONE	Vein, Replacement Pb Zn	105 F 10	7	Abbott (1986, p. 56-66)
115	CARL	Vein Pb Zn Ag Cu	105 F 9	7	INAC (1987, p. 226-227); This Report
116	WHITE	Vein Pb	105 F 9	7	INAC (1987, p. 227-228); This Report
117	QUILL	Work Target	105 F 9	9	INAC (1987, p. 228); This Report
118	PIKA	Vein Ag Au Pb Zn Cu	105 F 10	7	INAC (1987, p. 220)
119	LOON	Vein Ag Au Zn Pb Cu Ba	105 F 10	7	INAC (1987, p. 220)
120	FALCON	Work Target	105 F 10	9	INAC (1987, p. 220)
121	BEAR	Vein Ag Au	105 F 10	7	INAC (1987, p. 220)
122	GOAT	Vein Ag Au Zn	105 F 10	7	INAC (1987, p. 220)
123	LEAPER	Vein Pb Ag Au	105 F 10	7	INAC (1987, p. 220)
124	RAVEN	Vein, Replacement Pb Ag Au	105 F 10	7	INAC (1987, p. 220)
125	VOLE	Vein, Replacement Pb	105 F 10	7	INAC (1987, p. 220)
126	LYNX	Vein Pb Ag Au	105 F 10	7	INAC (1987, p. 220)
127	BID	Vein Pb Ag Cu As	105 F 10	7	INAC (1987, p. 220)
128	LOWER SWITCHBACK	Vein Ag Pb	105 F 9	6	INAC (1987, p. 220, 230)
129	PIZZA	Vein Ag Pb Zn	105 F 9	7	INAC (1987, p. 129)
130	SAB	Work Target	105 F 9	9	INAC (1987, p. 231)
131	ANN	Deleted: same as #16 KOPINEC or #17 KETZA RIVER			
132	PAX	Deleted: same as #23 HAYDM or #24 GROUNDHOG			
133	BOBBY	Work Target	105 F 10	9	INAC (1987, p. 232); This Report
134	TEA	Work Target	105 F 9	9	INAC (1987, p. 232)
135	MPR	Vein Ag Pb	105 F 10	7	This Report
136	ASH	Work Target	105 F 10	9	This Report
137	HOC	Work Target	105 F 10, 11	9	This Report
138	LS	Work Target	105 F 7, 10	9	This Report
139	EAGLE	Work Target	105 F 8	9	This Report
140	HELLO	Work Target	105 F 12	9	This Report
141	STAR	Work Target	105 F 9, G 12	9	This Report
142	PASS PEAK	Work Target	105 F 10	9	This Report
143	WHITE WEST	Vein Au	105 F 9	9	This Report

**SONNY**  
Golden Pavilion Resources Ltd

Gold, Silver, Lead Vein  
105 F 8, 9 (12)  
61°29'N, 132°17'W

**References:** Abbott (1986)

**Claims:** SUSAN 9-16; ST. PETER 1-8; JESSICA 1-8; REGAN 1-38

**Source:** Summary by T. Bremner of assessment report 092103 by B.V. Hall.

**History:**

In 1967, Archer, Cathro and Associates Ltd carried out reconnaissance soil sampling and geological mapping in the White Creek area, outlining several silver-lead anomalies. Some tetrahedrite float assaying 16 799.5 g/t Ag was found. The property was restaked in the late 1970's and the SONNY showing was hand trenched. The present claims were staked in 1985.

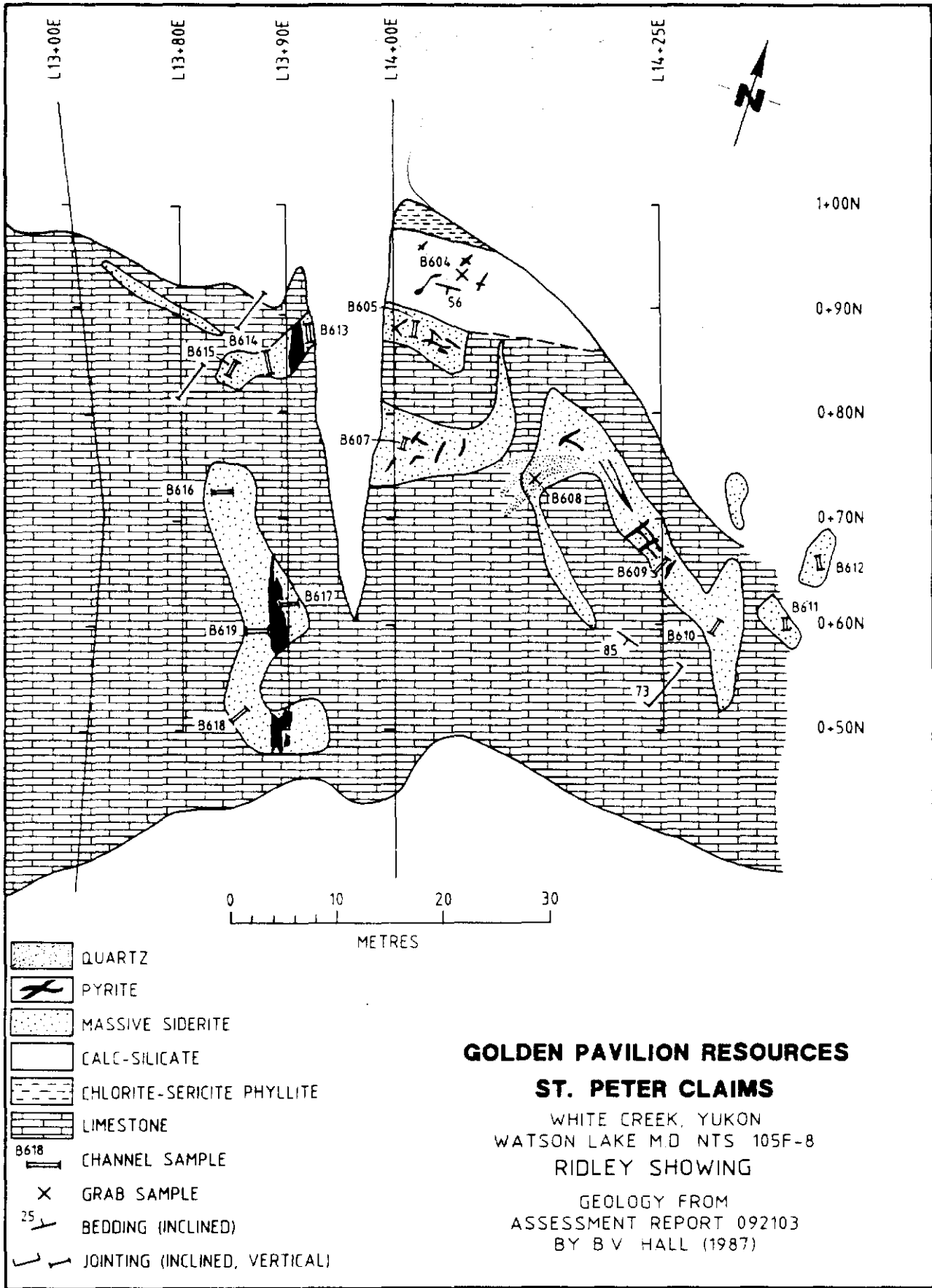
**Description:**

Abbott (1986) has described the regional setting of these deposits. Siderite mantos and chimneys containing minor pyrite, pyrrhotite, chalcopyrite, arsenopyrite and galena occur in Lower Cambrian limestone. Six main showings on the property marked by conspicuous gossans expose sulphide mineralization over a strike length of about 1 km. Quartz veins up to 2 m thick occupy fractures around the siderite bodies and contain minor amounts of sulphide minerals.

In 1987 the property was mapped and prospected in detail and 1432 soil, silt and rock samples were collected and analysed. A magnetometer survey was also carried out over the property. The GRAY showing was explored by blast trenching and three drill pads were constructed.

A total of 35 mineralized showings were located, most as a result of the 1987 program. Of these, 25 are manto type deposits. Based on soil geochemistry, magnetometer survey and geological mapping, the largest appears to be more than 1.2 km long with an average width exceeding 8 m. The RIDLEY, MAIN, GRAY and YOUNG showings occur along this zone and are marked by conspicuous gossans. The mineralogy of the manto changes along strike from siderite, pyrite, pyrrhotite and high gold values in the RIDLEY and MAIN showings to pyrite, arsenopyrite, pyrrhotite and galena with high silver and lead values in the YOUNG and GRAY showings. Trenching on the MAIN showing exposed material grading up to 9.9 g/t Au, while the 1987 samples from two trenches on the GRAY showing returned up to 274.3 g/t Ag and 1.5% Pb. Soil geochemistry indicates that the highest grade part of this manto lies between the GRAY and YOUNG showings and is more than 300 m long.





- QUARTZ
- PYRITE
- MASSIVE SIDERITE
- CALC-SILICATE
- CHLORITE-SERICITE PHYLLITE
- LIMESTONE
- B618 CHANNEL SAMPLE
- GRAB SAMPLE
- BEDDING (INCLINED)
- JOINTING (INCLINED, VERTICAL)

**GOLDEN PAVILION RESOURCES**

**ST. PETER CLAIMS**

WHITE CREEK, YUKON  
WATSON LAKE M.D NTS 105F-8

RIDLEY SHOWING

GEOLOGY FROM  
ASSESSMENT REPORT 092103  
BY B V HALL (1987)

Two other areas of possible economic significance include the JESSICA and SONNY showings. The JESSICA showing is a 14 x 250 m siderite chimney with a 5 m wide core of massive sulphides including chalcopyrite, pyrrhotite and arsenopyrite. Elevated gold values are associated with the mineralized core. At the SONNY showing, massive siderite with pyrite is coincident with a large magnetic anomaly and anomalous values of gold, arsenic, silver, zinc, lead and iron in soil.

Some of the massive quartz veins also show economic potential, as they have elevated gold values and often grade into manto deposits along strike. A 1-2 m wide quartz vein adjacent to the RIDLEY showing contains over 1% Cu.

SHARON, KETZA RIVER (BOOM,  
KON), CARL, WHITE  
Canamax Resources Inc.  
Pacific Trans-Ocean Resources Ltd  
High River Resources Ltd  
Quillo Resources Inc.

Gold, Silver, Lead, Zinc  
Vein/Replacement  
105 F 9 (14,17,115,116)  
61°32'N, 132°18'W  
1987

References: INAC (1987, p. 217-218, 227); Abbott (1986a, p. 56-66)

Claims: KETZA 21-102; KET 1-4; HR 1-14; KON 240-261

Source: Summary by W.P. LeBarge of assessment report 091767 by A. Watts, G. Podolsky and C. Hodgson.

#### Current Work and Results:

A helicopter-borne geophysical survey was conducted in March, 1987. Magnetic, electromagnetic and VLF data were collected simultaneously. A number of northwest-trending magnetic conductors were detected. These may represent veins and/or replacement massive sulphide mantos which are known to occur on the property.

GRAYLING, PIKA, BEAR, LEAPER, VOLE, LYNX  
(RAM property)  
Fairfield Minerals Ltd

Gold, Silver, Lead, Zinc  
Vein/Replacement  
105 F 10 (20,118,121,123,  
125,126)  
61°35'N, 132°35'W  
1987

References: Morin et al (1980, p. 83); INAC (1986, p. 219)

Claims: RAM 1-758; MAT 1-12

Source: Summary by T. Bremner of assessment report 092096 by J.J. Hylands (Cordilleran Engineering Ltd).

#### Current Work and Results:

In 1987, 7000 soil samples were collected over previously untested areas. Major new anomalies were defined on the Fox/Falcon grid, the Ram/Fox grid, the South grid (2), the Bear grid (3) and the Vole grid.

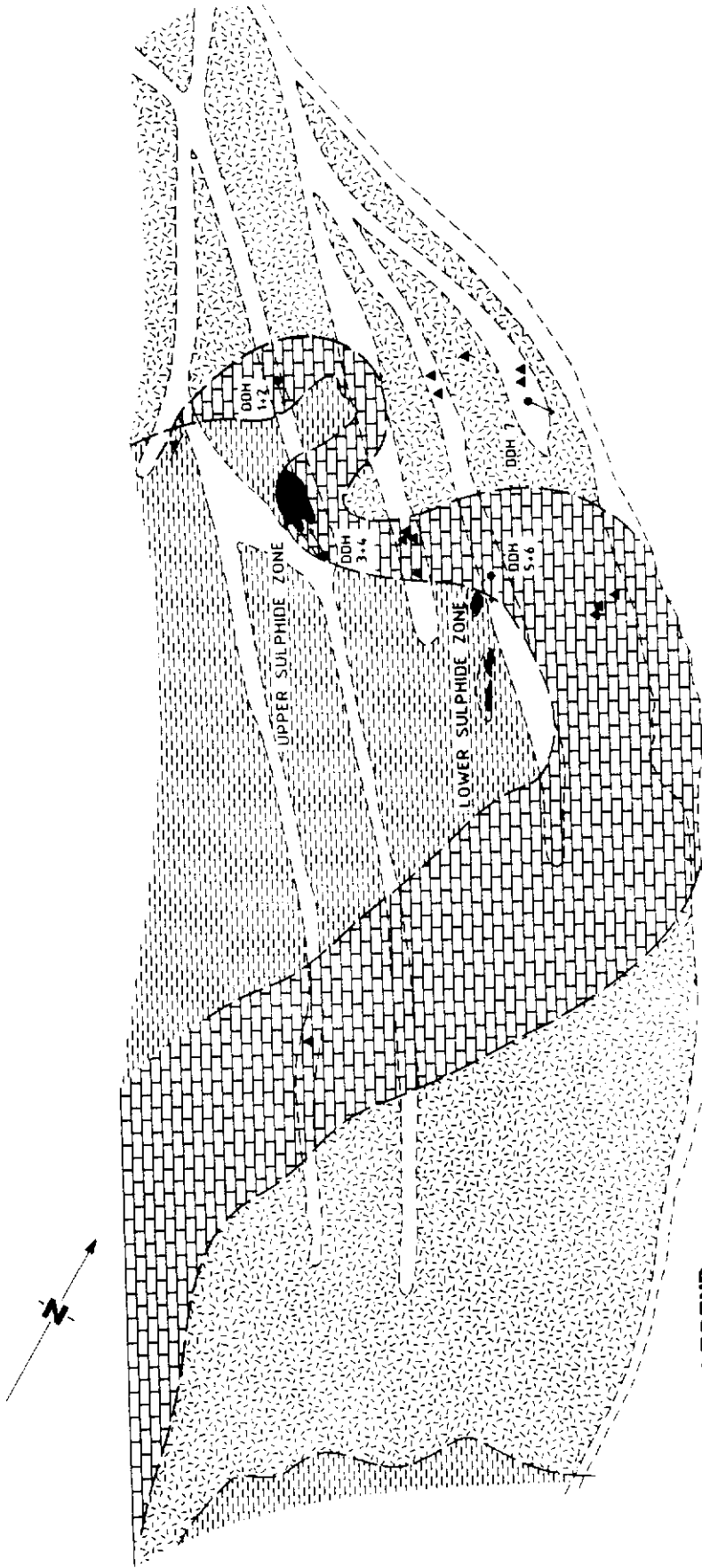
Test geophysical surveys were carried out over the previously trenched and drilled GRAYLING showing and IP, magnetometer and VLF-EM techniques were used over other anomalous areas on the Grayling and Vole grids.

Mapping of parts of the property at a scale of 1:10,000 resulted in the discovery of several new showings. In the Grayling grid area, new showings include the NIMBUS and PORCUPINE massive sulphide veins cutting syenite and numerous iron carbonate-quartz-sulphide veins containing anomalous gold values. The 1.5 m wide NIMBUS vein consists of massive pyrite, pyrrhotite, arsenopyrite and galena. It strikes northwest and dips steeply. A chip sample across the vein assayed 1.46% Pb, 0.48% Zn and 151.5 g/t Ag. The PORCUPINE vein consists of massive pyrite 15 cm wide carrying 1.36% Pb and 14.4 g/t Ag.

On the south grid, a skarn deposit up to 30 m thick contains massive and disseminated pyrrhotite and pyrite over an area of 3 square kilometres. Ankerite-quartz veins cutting rusty metavolcanic rocks were discovered on the Fox/Falcon grid. They contained disseminated pyrite and galena. A grab sample from outcrop returned 1700 ppm Pb, 3200 ppm Zn and 4.1 ppm Ag.

On the Bear grid, discontinuous iron carbonate-quartz-galena veins containing up to 72.98% Pb and 310.6 g/t Ag cut syenite. Similar mineralized vein material containing variable amounts of sulphides was found in boulders at several locations on the Bear and Seagull grids.









Several showings discovered in 1985 were resampled in 1987. A chip sample across the PIKA vein on the Grayling grid assayed 4.6% Pb, 1.98% Zn and 109.4 g/t Ag. A 3 m chip sample across the TROUT showing on the Seagull grid returned 0.59% Pb, 1.35% Zn, 155.0 g/t Ag and 5.3% As.



**RAM PROPERTY  
(GRAYLING SHOWING)**

DETAILED GEOLOGY FROM  
ASSESSMENT REPORT  
092096 by  
J J HYLANDS

**LEGEND**

-  Syenite
-  Metasiltstone
-  Marble
-  Massive Sulphides  
Po-Gn-Sp-Py-As
-  Sulphide Float
-  Inferred Contact
-  Road and Trenches
-  1969 DDH

GROUNDHOG, LORNE  
Yukon Minerals Corp.  
Perrex Resources Ltd

Silver, Lead, Zinc Vein  
105 F 10 (24, 100)  
61°37'N, 132°52'W  
1987

References: Findlay (1969 b, p. 46-47); Abbott (1986, p. 60, 64)

Claims: JEFF 1-4; HI GRADE; HV 1-348; HOG 1-38; CARIBOU 1-3; BEN 15; VER 1-14

Source: Summary by T. Bremner of assessment report 092097 by G.S. Davidson.

### History:

The first galena-bearing veins were discovered in the Groundhog Creek area in the 1950's. The CARIBOU 1-3 claims were staked by P. and H. Versluce and optioned to Canol Mines in 1966. Canol Mines added the BEN 1-24 claims as part of a 521 claim block covering the area between Groundhog and Seagull Creek. H. and P. Holdings staked the JEFF 1-4 and HI GRADE claims in 1979 to cover galena-bearing float containing 4639.4 g/t Ag. In 1981 Great Western Petroleum Corporation surrounded the JEFF and HI GRADE claims with the LORNE 1-55 claims, and discovered the JILL vein containing up to 639.4 g/t Ag in a fault zone in dolomite. The LORNE claims were allowed to lapse in 1983. The HV and VER claims were staked in 1986, and a short blasting program uncovered the PN vein, a 3 m wide zone of broken galena and frozen fault gouge assaying 3723.3 g/t Ag.

### Description:

The geology of the area has been described in detail by Abbott (1986). Mineral occurrences on the property consist of silver-bearing galena veins with pyrite, tetrahedrite and sphalerite in quartz-siderite gangue. The veins trend 170-175° and dip steeply. Disseminated sulphides occur over widths of up to 15 m with massive sulphide lenses averaging 0.5 m wide. The massive sulphide lenses pinch and swell along fault zones containing frozen clay gouge, dolomite fragments and limonite. Numerous narrow galena veins occur in hangingwall and footwall rocks up to 15 m from the vein faults.

### Current Work and Results:

In 1987 the PN, LUCKY, NO. 3, NO. 2 and GROUNDHOG showings were exposed by bulldozer and blast trenching, and detailed mapping and sampling were carried out along with a VLF-EM survey to outline the major faults. A preliminary topographic survey was done over part of the property.

Thirty-four vein and wallrock samples from the PN showing averaged 3994 g/t Ag and 65% Pb. Several 1 m chip samples assayed better than 34.3 g/t Ag and 10% Pb. The mineralized vein was exposed over a strike length of 33 m.

The LUCKY vein was exposed over a strike length of 17 m. Seven samples of massive galena averaged 3171.3 g/t Ag, while finer grained steel galena with bands of tetrahedrite carried 4222.7 g/t Ag.

Chip samples across the No. 2 vein zone returned 329.8 g/t Ag across 3.4 m from a quartz vein cutting footwall dolomite, and 394.3 g/t Ag across 4 metres of black gouge from the fault zone.

The No. 3 vein zone consists of a 14 x 0.5 m massive galena vein in a fault zone 2-3 m wide and more than 35 m long, which strikes 170° and dips 65°W. Silver values average 2225 g/t with 75% Pb. Up to 14.1% Zn occurs in fractured wallrocks.

The GROUNDHOG showing was blasted and cleared over 450 square metres exposing a 6 x 20 m zone of galena-bearing quartz and quartz-siderite veins in sheared dolomite along a probable faulted contact with black shale. The best chip sample assayed 236.2 g/t Ag and 13% Pb over 4.5 m.

Numerous smaller showings were also explored. A tetrahedrite-bearing quartz vein sampled during the staking of claims at the north end of the property returned the very high value of 17 197.6 g/t Ag.

**CANUSA**  
Silver Chief Minerals Ltd

Silver, Lead, Gold Vein  
105 F 16 (34)  
61°52'N, 132°53'W  
1967

**References:** Kindle, (1946)

**Claims:** JN 1-16; JR 1-40

**Source:** Summary by T. Bremner of assessment report 091737 by J.T. Cook.

#### **History:**

Consolidated Mining and Smelting Ltd first explored the property by trenching in 1945. In 1946, Kindle described a galena-bearing quartz vein exposed in a roadcut on the South Canal Road. The vein was 1 m wide and contained small amounts of gold and silver. The property was restaked by Silver Chief Minerals Ltd in 1968.

#### **Description:**

Paleozoic sedimentary rocks underlying the claims are cut by northwest-trending faults.

#### **Current Work and Results:**

In 1968 a VLF-EM16 survey was carried out along the Canal Road, Lapie River and Fox Creek which traverse the property. Smaller traverses were made at right angles to the three main lines. Numerous quartz veins were discovered but no mineralization was seen.

**BRUCE LAKE**  
A. Carlos

**Work Target**  
105 F 16 (43)  
61°48'N, 132°03'W  
1987

**References:** INAC (1987, p. 223)

**Claims:** LUKESHANE 3-13, 38, 40, 42-48

**Source:** Summary by T. Bremner of assessment report 091947 by A. Carlos.

**Description:**

Intermediate to basic pyroclastic rocks of Tertiary age are found in coarse float near the southeast end of Nickel Lake. Most of the property is underlain by a Permian allochthonous assemblage of brecciated gabbro, altered pyroxenite and siliceous sedimentary rocks.

**Current Work and Results:**

Because the property is covered in deep overburden, work in 1987 consisted mostly of geophysical surveys. Strong northwest-trending magnetic highs are interpreted as basic igneous units. A linear VLF anomaly which follows the base line over a distance of more than 1200 m represents a possible fault.

The VLF lineament passes through a lakeshore float exposure of siliceous breccia and banded chalcedony. A previous sample from the float returned 6.8 g/t Au, 41 g/t Ag, 0.43% Pb and anomalous levels of arsenic and mercury. An anomalous heavy mineral concentrate from the northwest end of the lake contained 5.6 g/t Au, 11.0 g/t Ag and 0.12% Pb, and lies on the same lineament.

**STUMP (A1)**  
Canamax Resources Inc.

**Silver, Lead, Zinc Vein**  
105 F 8, 9 (48)  
61°32'N, 132°10'W  
1987

**References:** INAC (1987, P. 224)

**Claims:** CAMP 5-8, 17-18; RAIN 1; SNOW

**Source:** Summary by T. Bremner of assessment report 091953 by S.M. Abercrombie and C.J. Hodgson.

**Current Work and Results:**

Diamond drilling on the property in 1987 consisted of 19 holes totalling 1692.2 m. DDH IS-87-22 was drilled to test the strike extension of the A-1 (STUMP) silver-bearing galena vein. The hole was drilled to a depth of 95.1 metres in Ordovician black shale and failed to encounter any mineralization.

FURY  
Canamax Resources Inc.

Gold, Silver Copper Vein/  
Replacement  
105 F 9 (56)  
61°35'N, 132°20'W  
1986

References: INAC (1987, p. 218)

Claims: KON 134-239

Source: Summary by T. Bremner of assessment report 091933 by C.N. Orssich and C.J. Hodgson.

**Current Work and Results:**

In 1986, 890 contour soil and silt samples were taken over the entire property. Of fourteen anomalies identified, ten consisted of gold with or without arsenic, silver and lead. One of the anomalies consisted of arsenic only and the remaining three consisted of lead only.

The most spectacular anomaly covers an area up to 2.7 km long and 600 m wide within which many zones of quartz stockwork with minor pyrite, arsenopyrite, galena and chalcopyrite occur in Lower Cambrian limestone and minor Upper Cambrian shale.

Another anomalous area adjacent to the FURY showing is associated with zones of quartz and oxide up to 150 x 200 m.



**EROS, WHITE WEST**  
**Mountain Province Mining Inc.**

**Gold Vein**  
**105 F 8, 9 (86, 143)**  
**61°33'N, 132°23'W**  
**1987**

**References:** Abbott (1986, p. 65)

**Claims:** EVE 1-38; WHITE 1-123

**Source:** Summary by T. Bremner of assessment report 091996 by C.G. Verley.

**Description:**

A sequence of Precambrian to Devonian carbonate and clastic rocks is overlain by a thrust sheet containing Devonian and Mississippian volcanic rocks. The sedimentary and volcanic sequences are intruded by syenite, carbonatite and mafic dykes and plugs of Mississippian age. Gold-bearing siderite veins occur in Lower Cambrian limestone.

**Current Work and Results:**

In 1987, 75 rock samples, 54 silt and 795 soil samples were collected at 25 and 50 m intervals along topographic contours. Three new areas of interest were outlined.

The LAKE zone is anomalous in gold, arsenic, lead and silver over a 200 m width. Soils from the LAKE zone returned up to 11 719 ppm Pb, 38.5 ppm Ag, 3042 ppm As and 29 ppb Au. A grab sample of Lower Cambrian dolomite rubble contained disseminated galena and assayed 3.12% Pb and 86.4 g/t Ag. Grab samples of limonitic dolomite rubble contained up to 800 ppb Au and 2630 ppm As.

At the WEST zone, cobbles and boulders of limonite containing disseminated pyrite and arsenopyrite were found in a talus slide. A grab sample of opaline limonite material contained 2010 ppb Au, 35 ppm Ag, 18 368 ppm As and 1764 ppm Pb. A specimen of manganiferous limonite returned 900 ppb Au, 77.9 ppm Ag, 19 239 ppm As and 14 121 ppm Cu.

The EAST zone is a new gold showing which was found by prospecting. Veins of iron and manganese carbonate containing pyrite and arsenopyrite are hosted by thin-bedded black limestone at the base of the Lower Cambrian. Selected grab samples returned 41.8 g/t Au and 31.3 g/t Au, while a chip sample returned 2.05 g/t Au across 3.65 m.

Two other anomalous areas on the property include the EROS lead-zinc-silver-gold anomaly drilled by Cyprus Anvil Mining Corporation in 1976 and the GUANO rare earth niobium skarn occurrences explored by Archer, Cathro and Associates in 1976. Both of these targets were resampled in 1987.

TAY (LP)  
Cominco Ltd

Gold Vein  
105 F 10 (109)  
61°33'N, 132°40'W  
1987

References: INAC (1987, p. 225-226)

Claims: TAY 1-21; LP 1-175; JEF 1-51

Source: Summary by T. Bremner of assessment report 092081 by I.A. Paterson.

#### Current Work and Results:

In 1987, 11 NQ holes totalling 961 m were drilled along a northwest and southeast trend marked by gold-bearing quartz-pyrrhotite float, magnetic and EM anomalies.

Veins or stockworks of quartz, pyrrhotite, chalcopyrite and tourmaline were encountered in all drillholes. The stockworks cut limestone and calcareous biotite schist which has been extensively silicified and tourmalinized. In DDH LP 87-07 the mineralization overlies a thin sill of muscovite-tourmaline granite which has altered the limestone in the upper part of the hole to a banded skarn. The best intersections were 2 m of 4.04 g/t Au and 2 m of 3.36 g/t Au in LP 87-9, 4 m of 3.7 g/t Au in LP 87-13 and 2 m of 3.4 g/t Au in LP 87-15. Assayed sections of drill core gave an average grade lower than the average grade of mineralized boulders found on surface.

PASS PEAK  
Canamax Resources Inc.

Work Target  
105 F 10 (142)  
61°34'N, 132°45'W  
1987

References: INAC (1987, p. 232)

Claims: MAC 1-56; BOB 1-44

Source: Summary by W.P. LeBarge from assessment report 091735 by A. Watts, G. Podolsky and C.J. Hodgson.

#### History:

The MAC and BOB claims were staked in 1986 by Canamax Resources Inc.

**Description:**

The PASS PEAK property lies within the Cassiar Platform at the west end of the Ketzia-Seagull Arch. The regional geology has been described by Abbott (1986). In the immediate area of the claims, calcareous phyllite interbanded with marble and minor quartzite is intruded by a quartz monzonite stock. Carbonate rocks are recrystallized and altered to garnet skarn within 25 metres of the intrusive contact while phyllite is hornfelsed up to 400 metres from the contact. A dyke of greisenized quartz monzonite containing quartz, muscovite, pyrite and tourmaline is probably associated with the main quartz monzonite stock. Steeply dipping north to northeast-striking quartz veins contain pyrite, pyrrhotite, galena, sphalerite and arsenopyrite.

**Current Work and Results:**

In March, 1987 a helicopter-borne geophysical survey was conducted combining VLF-EM, apparent resistivity and magnetometer data. Several coincident magnetic and electromagnetic anomalies were detected including isolated conductors near Pass Peak and a zone of multiple northwest-trending electromagnetic conductors in the northeast corner of the claims. A disjointed contour pattern indicating faulting coincides with a network of quartz veins on the property. Other anomalies are thought to be due to skarn-related massive sulphides.

MPR  
T. McCrory and Associates

Silver, Lead Vein  
105 F 10 (135)  
61°35'N, 132°48'W  
1987

**References:** No previous reference

**Claims:** WHISTLER 1-8

**Source:** Summary by T. Bremner of assessment report 092091 by G.S. Davidson.

**History:**

The property was first staked as part of the PEAK group by Noranda Exploration Co. in the late 1970's. Noranda outlined several silver-lead-zinc geochemical anomalies on the property. An arsenopyrite-quartz vein was discovered in 1983.

**Description:**

The property is underlain by Siluro-Devonian dolomite which hosts numerous silver-lead veins on the adjacent GROUNDHOG property.

**Current Work and Results:**

The arsenopyrite-quartz vein was explored in 1987 by four bulldozer trenches. The trenches uncovered phyllite containing arsenopyrite-pyrite-quartz veins and limonite veins up to 1.5 m wide. Travertine was exposed in the westernmost trench. Grab samples of vein material returned up to 189.9 g/t Ag and 2.59% Pb.

**12. SONNY**

D. Ridley, C. Young,  
S. Case  
105 F 8  
61°29'N, 132°16'W

Claims: JESSICA 1-8, SONNY 1-12,  
REGAN 1-38, ST. PETER 1-8,  
SUSAN 1-24

**14. SHARON**

C. Verley  
105 F 8, 9  
61°30'N, 132°10'W

Claims: MP 1-20

**17. KETZA RIVER (BOOM, KON)**

Canamax Resources Inc.  
105 F 9  
61°34'N, 132°20'W

Claims: KON 262-298,  
KETZA 103-116,  
MIS 1-2

**21. COXALL (SUN)**

Fairfield Minerals Ltd  
105 F 10  
61°35'N, 132°40'W

Claims: RAM 759-796

**23. HAYDN**

H. Versluce  
105 F 10  
61°39'N, 132°45'W

Claims: ANNA 1-34

**23. HAYDN**

St. Cyr Range Mineral Exploration Ltd  
105 F 10  
61°38'N, 132°45'W

Claims: GREG 1-62, MAX 2 #1-3, SPAM #1

**24. GROUNDHOG**

Yukon Minerals Corp., M. Nielsen  
105 F 10  
61°38'N, 132°47-50'W

Claims: HV 119-194, 197-268,  
270, 272, 274, 276-348,  
VER 12-14

**32. BARITE MOUNTAIN**

Dodgex Ltd, H. Coyne & Sons Ltd  
105 F 14  
61°51'N, 133°00'W

Claims: RITE 1-2

**52. CALGAL (CHUNG)**

Welcome North Mines Ltd.  
105 F 16  
61°50'N, 132°10'W

Claims: TINT 1-205

**55. CONNELL**

Cominco Ltd.  
105 F 7, 10  
61°30'N, 132°40'W

Claims: JEF 1-51

**59. GUANO**

Mountain Province Mining Inc.  
105 F 8  
61°29'N, 132°25'W

Claims: PS 1-12

**86. EROS**

Mountain Province Mining Inc.  
105 F 9  
61°36'N, 132°23'W

Claims: EVE 1-138

**92. ANGIE**

Welcome North Mines Ltd  
105 F 16  
61°51'N, 132°28'W

Claims: WLN 16-75

**111. SOUTH FAULT (F4, F6)**

C. Ridley, G. Seybold  
105 F 8  
61°29-32'N, 132°07'W

Claims: PESCOD 32-33, COP 1-141

**116. WHITE**

Welcome North Mines Ltd  
105 F 8, 9  
61°30'N, 132°21'W

Claims: WHYTE 19-24

**116. WHITE**

R.J. Rivet  
105 F 8, 9  
61°30'N, 132°18'W

Claims: BRAULT 1-61

**116. WHITE**

Canamax Resources Ltd  
105 F 8  
61°30'N, 132°19'W

Claims: WIT 1-6

**124. RAVEN**

K. McCrory  
105 F 10  
61°37'N, 132°46'W

Claims: RK 1-4

**127. BID**

J. Byrne  
105 F 10  
61°37'N, 132°43'W

Claims: TIE 1-6

**129. PIZZA**

R. Rivet,  
Quillo Resources Inc.  
105 F 9  
61°33'N, 132°06'W

Claims: BRO 1-32

**135. MPR**

T. McCrory, B. Preston,  
A. Rich  
105 F 10  
61°34'N, 132°50'W

Claims: MPR 87-152

**136. ASH**

H. Davis  
105 F 10  
61°32'N, 132°42'W

Claims: ASH 1-28

**137. HOG**

A. MacDonald  
105 F 10  
61°38'N, 132°56'W

Claims: HOG 1-38

**138. LS**

R. Robertson  
105 F 7, 10  
61°30'N, 132°40'W

Claims: LS 1-60

**139. EAGLE**

M. Gray, C. Young,  
C. Ridley, B. Hall  
105 F 7, 8, 9, 10

Claims: MATHEW 1-146

**140. HELO**

Cyprus Metals (Canada) Ltd  
105 F 12  
61°40'N, 133°56'W

Claims: HELO 1-18

**141. STAR**

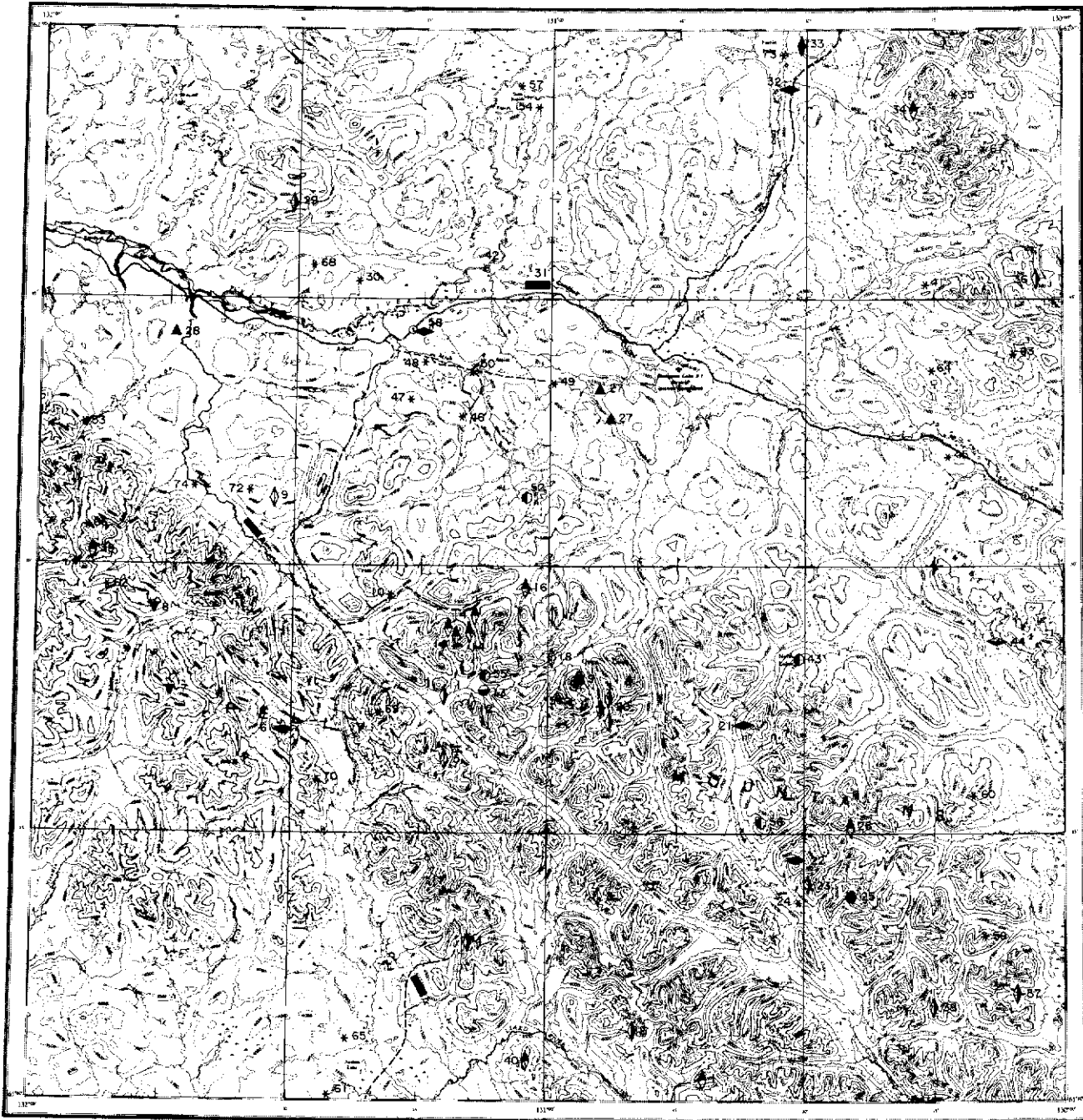
Welcome North Mines Ltd  
105 F 9, 105 G 12  
61°40'N, 132°00'W

Claims: STAR 1-216


**143. WHITE WEST**

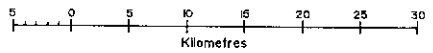
Mountain Province Mining Inc.  
105 F 8, 9  
61°32'N, 132°24'W




Claims: WHITE 1-123



FINLAYSON LAKE  
YUKON TERRITORY

 Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



 Tote Trail.  
 Driveable Road.  
 Alstrip.

## FINLAYSON LAKE MAP-AREA (NTS 105 G)

General References: GSC Open File 486 by D.J. Tempelman-Kluit, 1977;  
GSC Geochem Open File.

NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 MONT	Vein Cu	105 G 2	7	Findlay (1967, p. 64-65); INAC (1982, p. 136);
2 BLUEBERRY	Vein Ag Pb Zn Cu W	105 G 2	7	
3 SLAM	Vein Zn Cu	105 G 2	7	
4 TENTINA (EAGLE)	Vein, Replacement Ag Pb Zn	105 G 3	2	Morin et al (1977, p. 199-203); This Report
5 PLUMB (NOLE)	Vein Pb Zn Ag	105 G 6	7	Morin et al (1979, p. 86)
6 FH (JOE)	Stratabound Concordant Ag Pb Zn Cu Ba	105 G 5	7	INAC (1985, p. 176-177)
7 McNEIL	Stratabound Discordant	105 G 5	7	
8 AXE	Stratabound Discordant	105 G 5	7	INAC (1985, p. 177)
9 HOO	Vein, Replacement Zn Pb Cu	105 G 12	7	Sinclair and Gilbert (1975, p. 85-86)
10 EL	Work Target	105 G 6	9	Findlay (1969a, p. 79)
11 PICK	Vein Ag Pb	105 G 6	7	
12 GRASS	Vein Mo W	105 G 6	7	
13 SANDERS	Skarn Pb Zn Cu	105 G 6	7	
14 RILEY	Vein Cu Pb	105 G 6	7	
15 ZIELINSKI	Vein Pb Zn Cu Ag	105 G 6	7	
16 RIVIERA	Vein, Replacement Cu Zn	105 G 6	7	
17 GYP	Vein Pb Zn Cu	105 G 7	7	
18 GEE	Vein Pb	105 G 7	7	
19 PIT	Vein Zn Cu Ag Au	105 G 7	7	
20 ROB	Vein Cu Pb Ag	105 G 7	7	
21 PACK	Stratabound Concordant Zn Cu	105 G 7	6	INAC (1981, p. 180); Morin (1981b)
22 FYRE	Stratabound Concordant Pb Zn Cu Ag (Ba)	105 G 2	7	INAC (1982, p. 135); Morin (1981b)
23 TOP	Vein Ag Pb Zn	105 G 1	7	
24 OUB	Work Target	105 G 2	9	Findlay (1967, p. 59-60)
25 MM	Skarn Cu	105 G 1	7	
26 VINCENT	Vein Cu	105 G 8	7	
27 BOT	Asbestos	105 G 10	7	Morin et al (1979, p. 85)
28 PUP	Asbestos	105 G 12	7	
29 CHOW	Vein Pb Zn Ag	105 G 13	7	Morin et al (1979, p. 88)
30 DOL	Work Target	105 G 14	9	
31 CAMPBELL	Coal	105 G 14	7	Keele (1910, p. 50)
32 PHIL (BOB)	Stratabound Concordant Pb Zn Cu	105 G 15	6	INAC (1981, p. 180, 182)
33 PAY	Vein, Replacement Au Ag Pb Zn	105 G 15	7	Findlay (1969a, p. 81-83)
34 RIS	Vein Cu	105 G 16	7	
35 SPUD	Work Target	105 G 16	7	Tempelman-Kluit (1974c, p. 44)
36 JAKE	Vein Ag Pb Zn	105 G 16	7	
37 MAP	Vein Ag Pb	105 G 1	7	
38 WATERS	Vein Ag Pb	105 G 1	7	
39 ZIMMER	Vein, Replacement Cu	105 G 12	7	
40 INGS	Vein Cu	105 G 3	7	
41 HARMAN	Work Target	105 G 16	9	Sinclair and Gilbert (1975, p. 88)
42 ELECTRIC	Work Target	105 G 14	7	INAC (1987, p. 236)
43 MYDA	Skarn W	105 G 7	7	INAC (1981, p. 180)
44 FETISH	Stratabound Concordant Cu Zn Pb	105 G 8	7	Morin (1981b); INAC (1985, p. 177)
45 QUANDARY	Work Target	105 G 9	9	
46 FREGERG	Work Target	105 G 11	9	
47 FLIN	Work Target	105 G 11	9	
48 FLON	Work Target	105 G 11	9	
49 HUDSON	Work Target	105 G 10	9	
50 AIRBORNE	Work Target	105 G 11	9	
51 TOKE	Work Target	105 G 7	9	INAC (1981, p. 180)
52 FOG	Skarn W	105 G 11	6	INAC (1981, p. 181)
53 STARR	Work Target	105 G 12	9	INAC (1981, p. 182)
54 GONZO	Work Target	105 G 14	9	INAC (1981, p. 182)
55 BOOT	Skarn W	105 G 6	6	INAC (1981, p. 181)
56 HOWOEE	Skarn W	105 G 7	7	INAC (1981, p. 182)
57 OWONK	Work Target	105 G 14	9	INAC (1981, p. 182)
58 EAGLE (FRED)	Stratabound Concordant Pb Zn	105 G 11	7	INAC (1981, p. 182)
59 PY	Work Target	105 G 1	9	Sinclair et al (1976, p. 164)
60 MONEY	Work Target	105 G 8	9	Sinclair et al (1976, p. 166)
61 BOW	Work Target	105 G 3	9	Morin et al (1979, p. 85)
62 NMT	Work Target	105 G 5	9	Morin et al (1977, p. 203)
63 TIL	Work Target	105 G 9	9	Morin et al (1980, p. 65)
64 IRENE	Work Target	105 G 9	9	Morin et al (1980, p. 67)
65 PAT	Work Target	105 G 3	9	Morin et al (1979, p. 85)
66 NEW	Work Target	105 G 12	9	Morin et al (1979, p. 87)
67 SAS	Work Target	105 G 16	9	INAC (1982, p. 136)
68 LEACH	Work Target	105 G 14	6	INAC (1983, p. 128-129)
69 CYR	Work Target	105 G 6	9	Morin et al (1980, p. 64)
70 WHIT	Work Target	105 G 6	9	INAC (1987, p. 237)
71 GUY	Work Target	105 G 5	9	INAC (1987, p. 237)
72 SARAH	Work Target	105 G 12	9	INAC (1987, p. 237)
73 PELLY	Work Target	105 G 15	9	INAC (1987, p. 237)
74 HOOLE	Work Target	105 G 12	9	This Report



**TINTINA (EAGLE)**  
Tintina Mines Ltd

Silver, Lead, Zinc Vein/  
Replacment  
105 G 3 (4)  
61°08'N, 131°10'W  
1987

**References:** Morin et al (1977, p. 199-203)

**Claims:** NEW; EAGLE; ROSS; CEC; PAUL groups

**Source:** Summary by T. Bremner of assessment report 091989 by Strathcona Mineral Services Ltd.

**Current Work and Results:**

Fifteen diamond holes totalling 1712 m were drilled on the property in 1987. Four of the holes were drilled in the main zone near the adit, two holes were located on the ridge west of the cirque and the remainder tested the WEST MOUNTAIN zone some 700 m northwest of the main showing. The best results were obtained in DDH T87-05 in the main showing area and DDH T87-14 700 m to the northwest. DDH T87-05 intersected several mineralized layers of green-grey silicified limestone and argillite cut by quartz-carbonate stringers. Sphalerite, galena, pyrrhotite and minor arsenopyrite occur in bands and irregular patches. The best intersections were 72.8 g/t Ag, 1.30% Pb and 1.53% Zn over 3.0 m, and 1.1 g/t Au, 47.7 g/t Ag, 0.09% Pb and 2.88% Zn over 2.6 m. DDH T87-14 intersected a 3 m zone of massive sulphides replacing greenish silicified limestone. The sulphide zone had an average grade of 923.3 g/t Ag, 11.0% Pb and 24.0% Zn.

**69. CYR**

G. Clark  
105 G 6  
61°22'N, 131°18'W

Claims: TAR 1-20

**74. HOOLE**

Welcome North Mines Ltd  
105 G 12  
61°34'N, 131°42'W

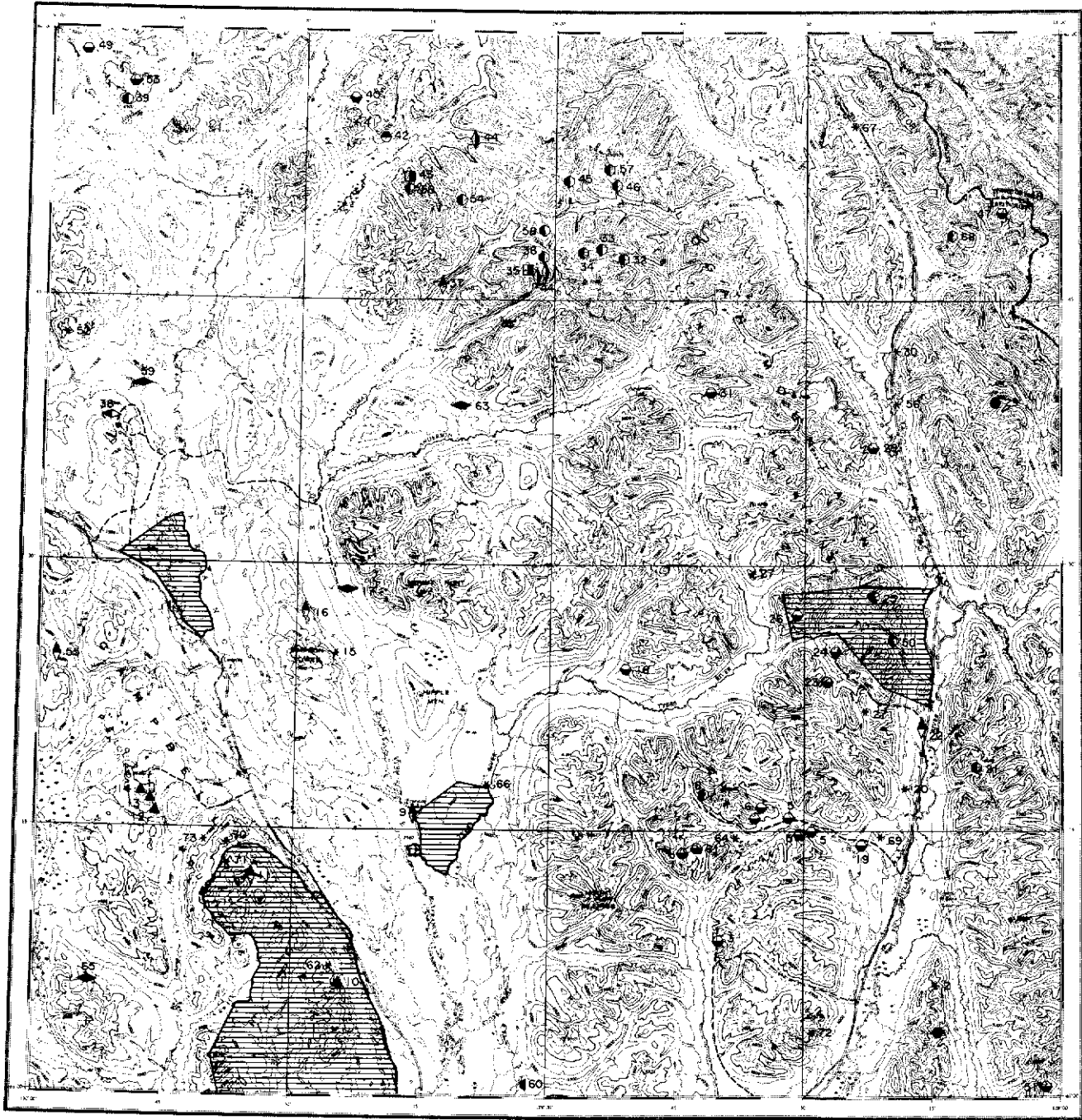
Claims: HOOLE 1-200

**72. SARAH**


W. Shenfield  
105 G 12  
61°34'N, 131°35'W

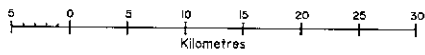
Claims: SARAH 3-6








FRANCES LAKE  
YUKON TERRITORY

 Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



 Tote Trail.  
 Driveable Road.  
 Airstrip.

## FRANCES LAKE MAP-AREA (NTS 105 H)

General Reference: GSC Map 6-1966 by S.L. Blusson, 1966.

NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	JAN	Skarn Au Cu	105 H 1	7	INAC (1983, p. 131)
2	MIDAS	Work Target	105 H 1	9	INAC (1982, p. 139-140, 145)
3	FLIP (MTB)	Skarn Ag Pb Zn Cu W	105 H 2	6	INAC (1981, p. 185);
4	DC	Skarn Zn Pb (Ag Sn)	105 H 2	7	Green (1966, p. 72)
5	MIKO	Skarn Pb Zn Ag	105 H 7	5	INAC (1982, p. 140)
6	GLENNA	Skarn Ag Pb Zn Cu	105 H 7	6	INAC (1982, p. 141)
7	STEELE	Work Target	105 H 7	9	Sinclair and Gilbert (1975, p. 81-82)
8	RIETA (MAX)	Skarn W	105 H 7	7	INAC (1985, p. 180)
9	FRANCES	Vein Cu	105 H 6	7	
10	LIND	Asbestos	105 H 3	7	INAC (1983, p. 131, 133)
11	DOUG	Vein Cu	105 H 4	7	
12	TUCHITUA	Asbestos	105 H 5	7	INAC (1981, p. 185)
13	EKO (GREEN STUFF)	Asbestos	105 H 5	7	Morin <i>et al</i> (1977, p. 209); INAC (1987, p. 241)
14	DIM	Asbestos	105 H 5	7	
15	MAY	Work Target	105 H 6	9	Green (1966, p. 72)
16	MAPLE	Vein Cu Pb Zn	105 H 6	7	
17	MATT BERRY	Stratabound Concordant Pb Zn Ag	105 H 6	5	INAC (1982, p. 141); This Report
18	FLUKE	Skarn Pb Zn Ag W	105 H 7	7	INAC (1981, p. 186)
19	CANYON	Skarn Ag Pb Zn	105 H 1	7	INAC (1983, p. 131-132)
20	STU	Work Target	105 H 8	9	Blusson (1966)
21	TERRY	Skarn W	105 H 8	7	INAC (1982, p. 145)
22	CORRIE	Vein, Replacement Cu	105 H 8	7	
23	BLACK JACK	Skarn Zn Pb	105 H 8	7	INAC (1982, p. 141-142)
24	FIR TREE	Skarn Zn Pb	105 H 8	7	INAC (1982, p. 141-142)
25	MONTSE	Skarn W	105 H 8	7	
26	RON	Skarn Zn Pb (Ag Sn)	105 H 7	7	Green (1966, p. 68-71); INAC (1982, p. 145)
27	HELEN	Work Target	105 H 7	9	Blusson (1966); INAC, (1982, p. 145)
28	BROD	Skarn Pb Zn Ag	105 H 9	7	INAC (1981, p. 186; 1986, p. 99)
29	RAIN	Skarn Cu Fe	105 H 9	6	INAC (1981, p. 188); INAC (1982, p. 145)
30	ROAD	Work Target	105 H 9	9	Green (1968, Figure 1); INAC (1981, p. 188)
31	TOY (REA)	Skarn Ag Pb Zn Cu	105 H 10	7	Morin <i>et al</i> (1977, p. 210)
32	BR	Skarn W Cu	105 H 15	7	
33	TANYA	Skarn W Cu	105 H 15	7	Craig and Milner (1975, p. 117)
34	GUY	Skarn W Cu	105 H 15	7	Green (1968, Figure 1)
35	THOR	Porphyry Mo	105 H 14	7	INAC (1982, p. 142)
36	BROTEN	Skarn W Cu Mo	105 H 14	7	
37	TUSTLES	Vein Cu	105 H 14	7	
38	TED	Stratabound Concordant, Vein Ba, Ag Pb Zn Au	105 H 12	5	INAC (1982, p. 142)
39	NARCHILLA	Skarn W Cu Pb Zn	105 H 13	7	
40	LEE	Skarn Zn Pb (Ag Sn)	105 H 14	7	INAC (1981, p. 188)
41	YUSEZYU	Work Target	105 H 14	9	Blusson (1966)
42	DODGE	Skarn Mo	105 H 14	7	
43	TILLEI	Porphyry Mo W	105 H 14	7	
44	HITCH HIKER	Vein Ag Pb Zn	105 H 14	7	INAC (1987, p. 241)
45	ZEUS	Skarn W Mo	105 H 15	7	INAC (1982, p. 143)
46	CHAP	Skarn W Mo	105 H 15	7	INAC (1982, p. 143)
47	ALM	Skarn Pb Zn	105 H 16	7	
48	BUS	Work Target	105 H 16	9	Skinner (1961, p. 46)
49	TIM	Skarn Pb Zn Cu	105 H 13	7	
50	SUSAN	Skarn W	105 H 8	7	INAC (1982, p. 142)
51	LAN	Skarn Pb Zn Ag	105 H 1	7	INAC (1981, p. 187)
52	TIN	Work Target	105 H 12	9	INAC (1981, p. 187)
53	VIKING	Skarn Ag Pb Zn	105 H 13, 14	7	INAC (1981, p. 187)
54	WOAH	Skarn W	105 H 14	5	INAC (1981, p. 187)
55	JULIA	Vein, Replacement Cu Zn Ag	105 H 5	7	INAC (1982, p. 143)
56	TINY	Work Target	105 H 9	9	INAC (1981, p. 188)
57	AURORA	Skarn W Mo	105 H 15	7	INAC (1982, p. 143)
58	TAI	Skarn W	105 H 14	7	INAC (1981, p. 187)
59	FIN	Stratabound Concordant	105 H 12	7	INAC (1986, p. 98)
60	HAWK	Pb Zn Ba Occurrence W	105 H 3	7	INAC (1982, p. 144)
61	SUZANNE	Skarn Zn Pb (Ag Sn)	105 H 2	7	Morin <i>et al</i> (1977, p. 207)
62	KING ARCTIC	Work Target	105 H 3	9	Morin <i>et al</i> (1977, p. 208)
63	MAXI	Stratabound Concordant Pb Zn Cu Ag (Ba)	105 H 11	7	Morin <i>et al</i> (1980, p. 67-68)
64	ON	Work Target	105 H 2	9	INAC (1982, p. 145)
65	KNEIL	Stratabound Concordant	105 H 4	7	INAC (1983, p. 131-133)
66	TYER	Fe Zn Pb Work Target	105 H 6	9	INAC (1982, p. 145)

67 LYNX	Work Target	105 H 16	9	INAC (1982, p. 145)
68 TUNA	Skarn, Vein W Mo Cu	105 H 16	7	INAC (1983, p. 131, 133)
69 GEL	Work Target	105 H 1	9	INAC (1982, p. 144-145)
70 BEANS	Work Target	105 H 4	9	INAC (1985, p. 180); INAC (1986, p. 99)
71 PICA	Work Target	105 H 4	9	INAC (1985, p. 180)
72 BARRY	Work Target	105 H 1	9	INAC (1986, p. 99)
73 CAMPBELL	Work Target	105 H 4	9	INAC (1987, p. 241)

**MATT BERRY**

Barytex Resources Corp.  
Pulse Resources Ltd

Lead, Zinc, Silver  
Stratabound Concordant  
105 H 6 (17)  
61°28'N, 129°23'W  
1987

References: INAC (1982, p. 141)

Source: Summary by T. Bremner of prospectus report 092114 supplied by H.S. Aikins.

**Current Work and Results:**

In 1987 geochemical and magnetic surveys resulted in the discovery of an anomalous zone 1 km southeast of the main MATT BERRY deposit. The multi-element soil anomaly is 746.7 m long and trends NNW. Anomalous values up to 1.0 g/t Ag, 210 ppm Pb and 576 ppm Zn were recorded compared to average background values in the area of 0.26 g/t Ag, 13.2 ppm Pb and 79.0 ppm Zn.

**1. JAN**

D. Stewart  
105 H 1  
61°03'N, 128°15'W

Claims: JAN 1-4

**17. MATT BERRY**

Pulse Resources Ltd  
105 H 6  
61°28'N, 129°20'W

Claims: BETH 2, 4-27

**29. RAIN**

D. Brownlee  
105 H 9  
61°39'N, 138°06'W

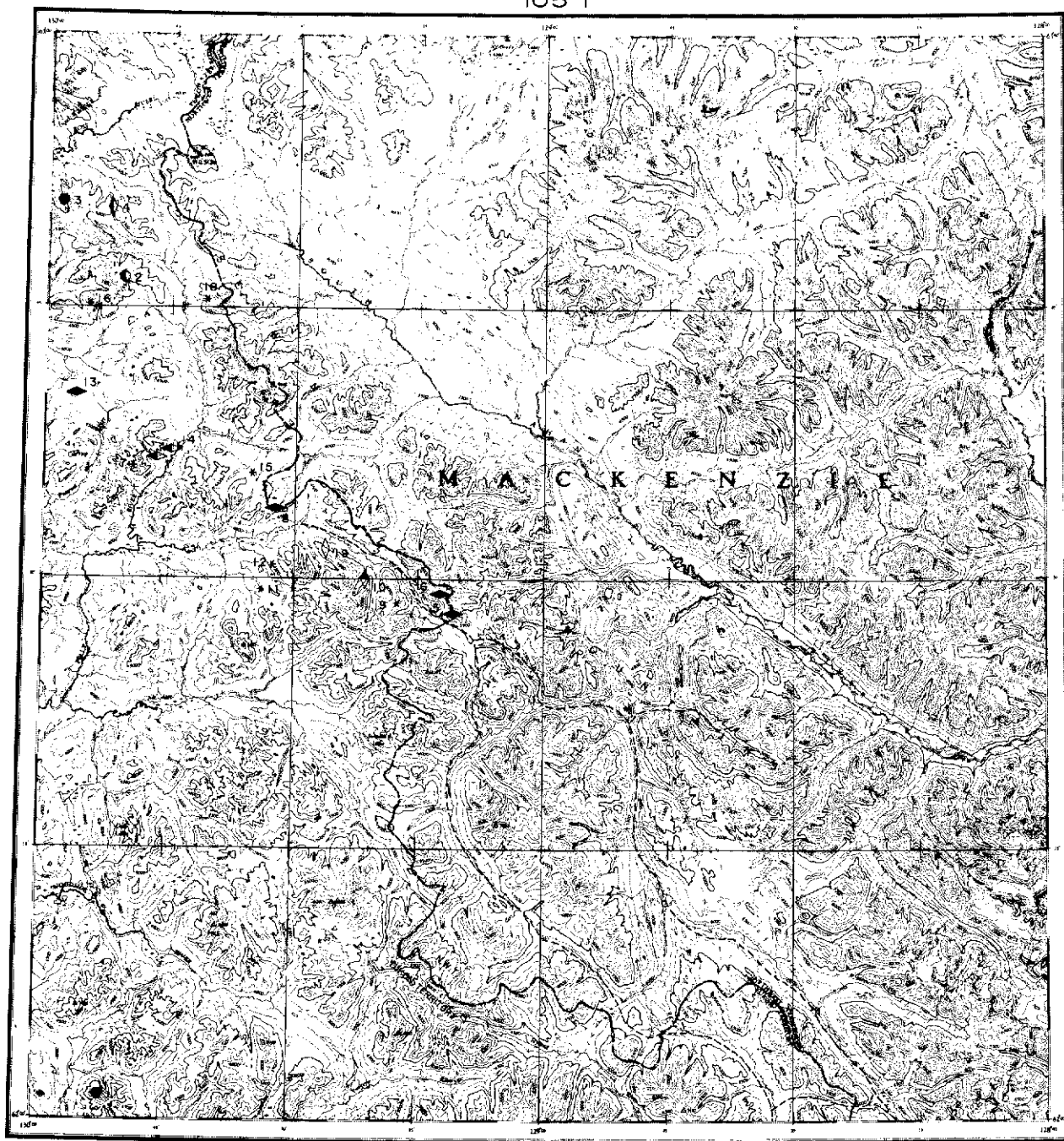
Claims: SUN 9-10

**40. LEE**

R. Schmidt, D. Hopkins  
105 H 14  
61°56'N, 129°23'W

Claims: ORO 1-8, D.G. 1-4

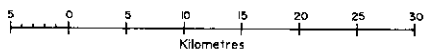




NAHANNI  
YUKON TERRITORY



Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



Tote Trail.



Driveable Road.



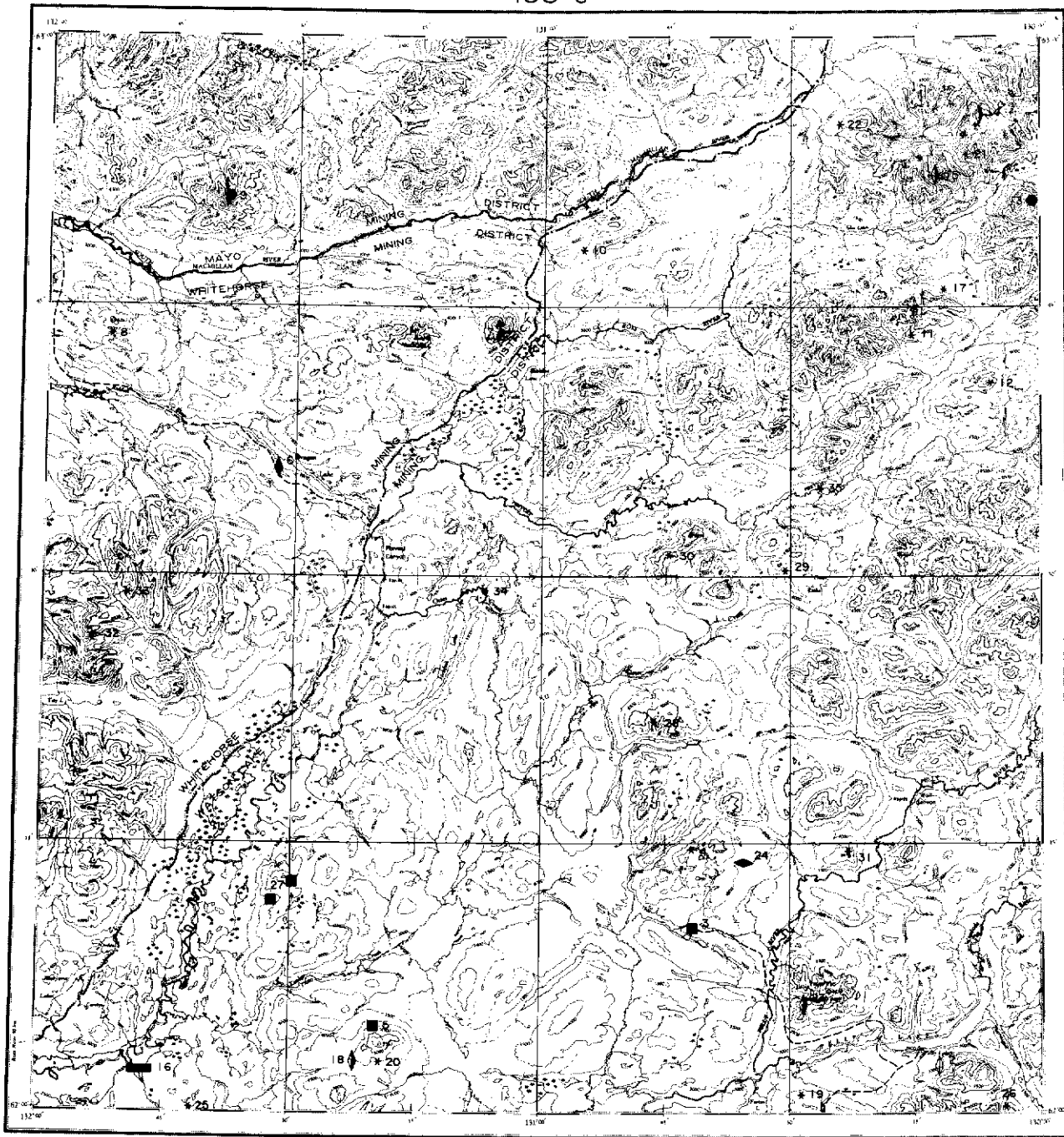
Airstrip.

## NAHANNI MAP-AREA (NTS 105 I)


General References: GSC Open Files 780 and 689 by S.P. Gordey, 1981.  
GSC Geochem Open File 868.

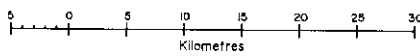
NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 NAR	Vein, Skarn Cu Pb Ag Zn	105 I 4	7	
2 OMO (CLEA)	Skarn W Cu Zn	105 I 13	6	INAC (1982, p. 147); Saxby (1985)
3 BIRR (BEE)	Skarn Cu Fe	105 I 13	7	Findlay (1969b, p. 50)
4 SEL	Vein Au	105 I 13	7	INAC (1985, p. 183)
5 HOWARD'S PASS	Stratabound Concordant Pb Zn Ag	105 I 6	2	Goodfellow et al (1983); Norford and Orchard (1985); Jonasson and Goodfellow (1986); Goodfellow and Jonasson (1986); INAC (1987, p. 243-244)
6 SHEILD	Stratabound Concordant Pb Zn	105 I 6	7	Sinclair et al (1975, p. 160-161)
7 DRD	Stratabound Concordant Ba	105 I 12	7	Sinclair and Gilbert (1975, p. 96-98)
8 WISE	Stratabound Concordant Pb Zn Ag	105 I 12	7	
9 WINKIE (ROSS)	Work Target	105 I 6	9	Sinclair et al (1975, p. 161-162); INAC (1983, p. 135)
10 NESS (MAD)	Vein Cu	105 I 6	7	Sinclair and Gilbert (1975, p. 96-97)
11 DIANNE	Work Target	105 I 5	9	
12 RITZ	Work Target	105 I 12	9	INAC (1981, p. 190)
13 ABBEY	Stratabound Concordant Pb Zn	105 I 12	6	INAC (1981, p. 190)
14 TANG	Stratabound Concordant Ba	105 I 12	7	Morin et al (1979, p. 92)
15 OHNO	Work Target	105 I 12	9	Morin et al (1980, p. 69)
16 ROOK	Work Target	105 I 13, 12	9	Morin et al (1980, p. 70)
17 FAST	Work Target	105 I 12	9	INAC (1983, p. 135)
18 SAND	Work Target	105 I 12, 13	9	INAC (1985, p. 183-184)
19 SURF	Vein W	105 I 6	7	








SHELDON LAKE  
YUKON TERRITORY

 Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).

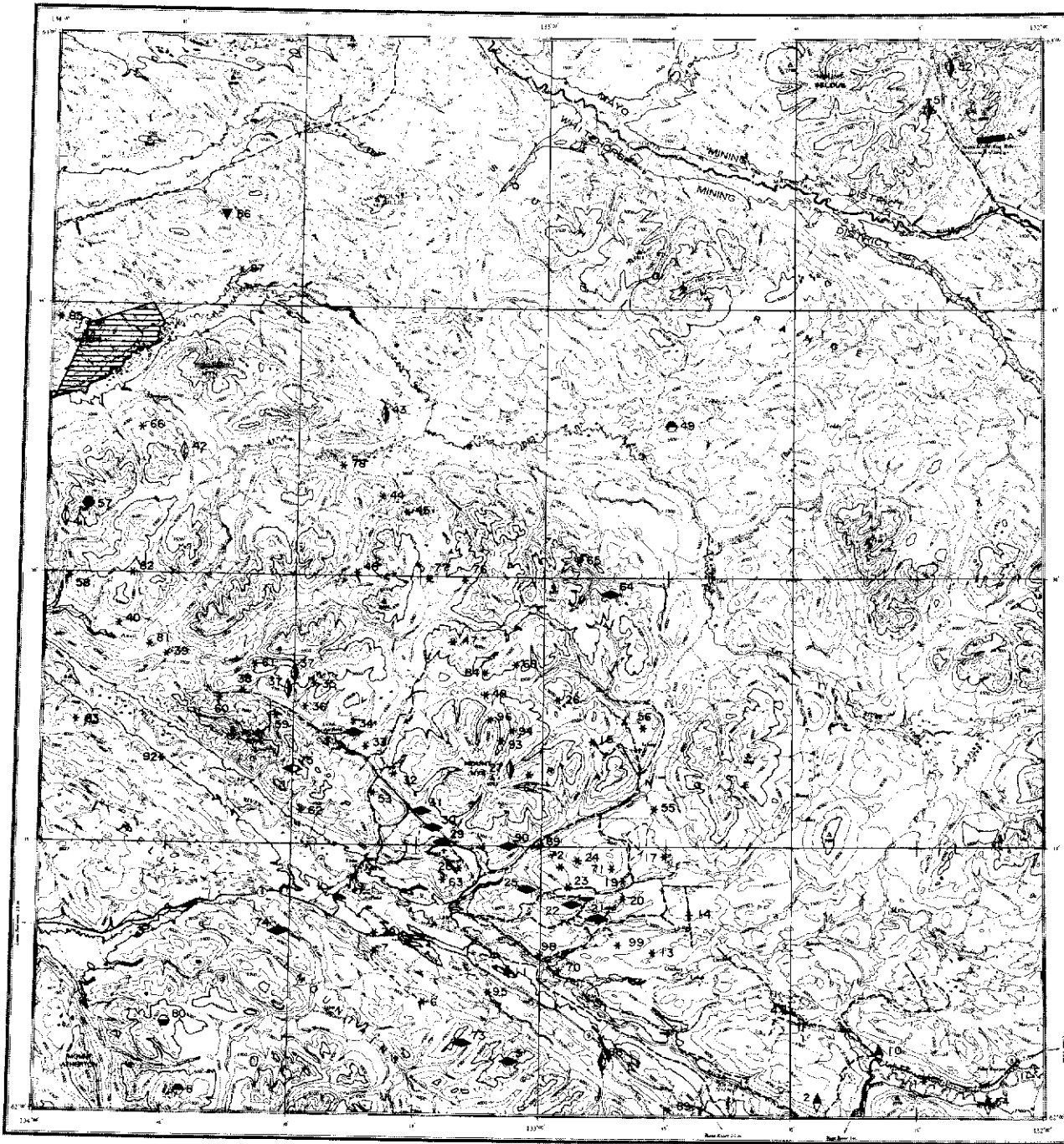


 Tote Trail.  
 Driveable Road.  
 Airstrip.

## SHELDON LAKE MAP-AREA (NTS 105 J)

General References: GSC Map 12-1961 by J.A. Roddick and L.H. Green, 1961;  
GSC Open File 212 by D.J. Tempelman-Kluit, 1974.

NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 FULLER	Deleted: no information			
2 BILL	Vein Pb Zn	105 J 1	7	Findlay (1969a, p. 81)
3 PIKE	Porphyry Cu Ag	105 J 2	2	INAC (1982, p. 149);
4 NORKEN	Work Target	105 J 2	9	Sinclair <i>et al</i> (1976, p. 169)
5 TAC	Porphyry Cu Mo	105 J 3	7	
6 DRAGON	Skarn, Vein Au Ag	105 J 12	7	INAC (1986, p. 105)
7 MT. SHELDON	Vein Cu	105 J 11	7	Kindle (1945, p. 25)
8 RIDDELL	Work Target	105 J 12	9	Craig and Milner (1975, p. 105-106)
9 SPEARHEAD (PDM)	Skarn Cu Fe	105 J 13	7	Craig and Milner (1975, p. 33)
10 ROG	Work Target	105 J 15	9	Craig and Milner (1975, p. 123)
11 CLYDE	Work Target	105 J 9	9	Craig and Laporte (1972, p. 128)
12 PREVOST	Work Target	105 J 9	9	Sinclair and Gilbert (1975, p. 118-119); INAC (1981, p. 195)
13 GUN	Skarn Cu Fe	105 J 16	7	Findlay (1969b, p. 166-167); INAC (1981, p. 151); Gareau (1986) [INAC (1981, p. 193)]
14 ITSI	Vein Ag Pb Zn Cu As Sn	105 J 16	5	
15 COSTIN	Vein Ag Pb Zn	105 J 16	7	
16 CAROLYN	Coal	105 J 4	7	
17 VARISCITE (MS)	Work Target	105 J 16	9	Sinclair <i>et al</i> (1975, p. 166-167)
18 HENCH	Vein Pb Zn Ag	105 J 3	7	INAC (1981, p. 193)
19 PPR	Work Target	105 J 1	9	INAC (1981, p. 195)
20 CLINGON	Work Target	105 J 3	9	INAC (1981, p. 195)
21 WILSON	Work Target	105 J 16	9	INAC (1981, p. 194)
22 EMPTY	Work Target	105 J 16	9	INAC (1981, p. 194)
23 TRAFFIC	Vein Ag Pb Zn Cu	105 J 1	7	INAC (1981, p. 194)
24 PIG	Stratabound Concordant Pb Zn Cu Ag	105 J 2	7	Morin <i>et al</i> (1979, p. 93)
25 SOJO	Work Target	105 J 4	9	Morin <i>et al</i> (1980, p. 71)
26 LH	Work Target	105 J 1	9	INAC (1982, p. 151)
27 AM	Porphyry Cu Mo	105 J 4	7	INAC (1983, p. 137-139)
28 SHERPA	Work Target	105 J 7	9	INAC (1982, p. 150, 151)
29 DYAK	Work Target	105 J 9, 10	9	INAC (1982, p. 150, 151)
30 RUDY	Work Target	105 J 10	9	INAC (1983, p. 137, 139)
31 GREGGIE	Work Target	105 J 1	9	INAC (1982, p. 150-151)
32 RAGS	Work Target	105 J 5	9	INAC (1985, p. 188)
33 WENDY	Work Target	105 J 5	9	INAC (1985, p. 187)
34 NARL	Work Target	105 J 6, 11	9	INAC (1986, p. 105)
35 LIBERAL	Work Target	105 J 9	9	INAC (1987, p. 247)



TAY RIVER  
YUKON TERRITORY



Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



- Total Trail.
- Driveable Road.
- A Airstrip.

## TAY RIVER MAP-AREA (NTS 105 K)

General References: GSC Map 13-1961 by J.A. Roddick and L.H. Green, 1961;  
GSC Open File 212 by D.J. Tempelman-Kluit, 1974.

NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	TENAS	Work Target	105 K 1	9	INAC (1982, p. 154)
2	RAGS (ROSS RIDGE)	Vein Cu	105 K 1	7	Johnston (1936, p. 18)
3	PEN	Deleted: no information			
4	OLGIE (TER)	Work Target	105 k 2	9	Sinclair <i>et al</i> (1976, p. 114)
5	FARGO	Stratabound Concordant Pb Zn	105 K 3	7	Morin <i>et al</i> (1979, p. 64)
6	LYN	Work Target	105 K 3	9	INAC (1981, p. 197)
7	CASCA (RIDGE)	Work Target	105 K 3	9	Sinclair <i>et al</i> (1975, p. 135-136)
8	THOMAS	Skarn Zn	105 K 4	7	
9	TAKU	Deleted: no information			
10	NESBITT	Vein, Replacement Cu	105 K 1	7	This Report
11	BOBCAT	Limestone	105 K 3	7	
12	HOLLY	Deleted: no information			
13	SOCK	Work Target	105 K 2	9	Findlay (1967, p. 36); INAC (1983, p. 141, 145)
14	SPUR	Work Target	105 K 2	9	Findlay (1969a, p. 47-48)
15	ADAMSON	Work Target	105 K 7	9	Tempelman-Kluit (1968, p. 43-52); Sinclair <i>et al</i> (1975, p. 132)
16	BETA	Deleted: no information			
17	BLIND (FOTO)	Work Target	105 K 2	9	Findlay (1967, p. 40-41); Sinclair and Gilbert (1975, p. 54)
18	CUB	Deleted: no information			
19	NASTY	Work Target	105 K 2	9	Green (1965, p. 36-37); Craig and Milner (1975, p. 92-93)
20	ABRAHAM	Work Target	105 K 2	9	Craig and Milner (1975, p. 92-93)
21	SEA	Stratabound Concordant Pb Zn Ag	105 K 2	7	Green (1965, p. 36-37); INAC (1982, p. 18, 154-155); Jennings and Jilson (1986)
22	BS	Stratabound Concordant Pb Zn Cu Ag (Ba)	105 K 2	7	Sinclair and Gilbert (1975, p. 58)
23	BLACKWOOD (CIVI)	Work Target	105 K 2	9	Morin <i>et al</i> (1977, p. 155)
24	BEA (FOX)	Work Target	105 K 2	9	Findlay (1969a, p. 46-47)
25	SWIM	Stratabound Concordant Pb Zn Ag	105 K 3, 2, 6, 7	2	INAC (1982, p. 18, 154-155); Jennings and Jilson (1986); Shanks <i>et al</i> (1987)
26	O'CONNOR	Work Target	105 K 7	9	Findlay (1967, p. 39-40)
27	MUR	Vein Ag Pb Zn	105 K 6	7	INAC (1987, p. 255)
28	SHRIMP	Work Target	105 K 3	9	Green (1965, p. 37-38)
29	VANGORDA	Stratabound Concordant Pb Zn Ag	105 K 6	2	Tempelman-Kluit (1972, p. 46-47); Jennings and Jilson (1986); Shanks <i>et al</i> (1987)
30	GRUM	Stratabound Concordant Pb Zn Ag	105 K 6	7	INAC (1983, p. 141-142); Jennings and Jilson (1986); Shanks <i>et al</i> (1987)
31	KULAN	Stratabound Concordant Pb Zn Cu Ag (Ba)	105 K 6	7	Tempelman-Kluit (1972, p. 32)
32	RR	Work Target	105 K 3	9	This Report
33	LOKO	Work Target	105 K 6	9	Morin <i>et al</i> (1977, p. 161)
34	FARO	Stratabound Concordant Pb Zn Ag	105 K 6	1	INAC (1986, p. 111); Jennings and Jilson (1986); Shanks <i>et al</i> (1987)
35	FLAGSTONE	Work Target	105 K 6	9	
36	BRIDEN	Work Target	105 K 6	9	Findlay (1969a, p. 45)
37	JACOLA (KIM)	Vein Ag Pb Zn	105 K 5, 6	7	Findlay (1969a, p. 45)
38	CROWN	Work Target	105 K 5	9	INAC (1982, p. 155, 158)
39	LORNA	Work Target	105 K 5	9	Morin <i>et al</i> (1979, p. 66)
40	RESERVE	Work Target	105 K 5	9	Craig and Milner (1975, p. 98-99)
41	COWARD	Vein, Replacement Pb Zn	105 K 12	7	
42	COLT	Vein, Replacement Pb Zn	105 K 12	7	INAC (1983, p. 141, 143)
43	OWL	Vein Ag Pb Zn	105 K 11	7	Craig and Laporte (1972, p. 93-94)
44	KEGLOVIC (HAL)	Work Target	105 K 11	9	Sinclair <i>et al</i> (1975, p. 133)
45	IVAN (DANA)	Work Target	105 K 11	9	Sinclair <i>et al</i> (1975, p. 133)
46	SHANNON	Work Target	105 K 11	9	Findlay (1969a, p. 45)
47	REBEL	Work Target	105 K 6	9	Craig and Milner (1975, p. 93-95)
48	KANGAROO	Work Target	105 K 6	9	Sinclair <i>et al</i> (1975, p. 129); INAC (1983, p. 141, 145)
49	TEDDY	Skarn Zn	105 K 10	7	INAC (1987, p. 250-251)
50	SIROLA	Deleted: no information	105 K 2	9	
51	LAD	Vein Ag Pb Zn Cu	105 K 16	7	
52	SOLO	Vein Ag Pb Zn Sn Sb	105 K 16	7	Craig and Laporte (1972, p. 97-98)
53	CESSNA	Work Target	105 K 6	9	
54	CHAPLIN (ARD)	Vein Cu Fe	105 K 1	7	Sinclair <i>et al</i> (1975, p. 137)
55	RUTH	Work Target	105 K 7	9	INAC (1981, p. 198)
56	DOT (TEL)	Work Target	105 K 7	9	INAC (1981, p. 198)
57	BARB	Skarn Cu Zn Ag W	105 K 12	7	INAC (1982, p. 155)
58	FISHHOOK	Work Target	105 K 5, 12	9	INAC (1982, p. 155-156)
59	HEK	Work Target	105 K 5	9	Sinclair <i>et al</i> (1976, p. 118)
60	MULTI	Work Target	105 K 5	9	Sinclair <i>et al</i> (1976, p. 118-119)

61 JOE	Work Target	105 K 5	9	Sinclair <i>et al</i> (1976, p. 120)
62 TSS	Work Target	105 K 6	9	Sinclair <i>et al</i> (1976, p. 120)
63 DG	Work Target	105 K 3	9	Sinclair <i>et al</i> (1976, p. 121)
64 NORK	Stratabound Concordant Pb Zn	105 K 7	7	Sinclair <i>et al</i> (1976, p. 124)
65 ZEO	Work Target	105 K 10	9	Sinclair <i>et al</i> (1976, p. 124)
66 LOLO	Work Target	105 K 12	9	Sinclair <i>et al</i> (1976, p. 126)
67 RAZ	Work Target	105 K 6	9	Morin <i>et al</i> (1977, p. 160)
68 MING	Work Target	105 K 6	9	Morin <i>et al</i> (1977, p. 161)
69 CAT	Work Target	105 K 2,3,6,7	9	Morin <i>et al</i> (1980, p. 45); INAC (1986, p. 111)
70 TAR	Work Target	105 K 2	9	Morin <i>et al</i> (1979, p. 63)
71 MN	Work Target	105 K 2	9	INAC (1983, p. 141, 143-144)
72 RACHEL	Work Target	105 K 2	9	INAC (1983, p. 141, 143-144)
73 SIR JOHN A	Stratabound Concordant Pb Zn	105 K 3	7	Morin <i>et al</i> (1980, p. 41)
74 DEV	Stratabound Concordant Pb Zn Cu	105 K 4	7	Morin <i>et al</i> (1980, p. 42)
75 URN	Stratabound Concordant Ba	105 K 6	5	INAC (1983, p. 141, 144)
76 KD	Work Target	105 K 6, 11	9	Morin <i>et al</i> (1980, p. 44)
77 CON	Work Target	105 K 6, 11	9	Morin <i>et al</i> (1979, p. 68)
78 IRMA	Work Target	105 K 11	9	Morin <i>et al</i> (1979, p. 68)
79 LOU	Work Target	105 K 3	9	Morin <i>et al</i> (1980, p. 41)
80 MAY	Skarn Zn Pb (Ag Sn)	105 K 4	7	Morin <i>et al</i> (1980, p. 42)
81 EVA	Work Target	105 K 5	9	Morin <i>et al</i> (1980, p. 43)
82 LU	Work Target	105 K 12	9	Morin <i>et al</i> (1980, p. 43-44)
83 BEYON	Work Target	105 K 5	9	INAC (1986, p. 110)
84 FOO	Work Target	105 K 6	9	INAC (1983, p. 141, 144)
85 WAD	Work Target	105 K 12	9	INAC (1983, p. 141, 144-145)
86 LADY DI	Stratabound Discordant Pb Zn Ag	105 K 13	7	INAC (1983, p. 141, 145)
87 CHUCK	Work Target	105 K 13	9	INAC (1982, p. 156)
88 GREW CREEK	Vein/Breccia Au	105 K 2, 3 105 F 15, 16	5	Duke and Godwin (1986); INAC (1987, p. 251-253)
89 HELL	Deleted: same as #70, TAR			
90 DY	Stratabound Concordant Pb Zn Ag	105 K 3, 6	2	Tempelman-Kluit (1972); INAC (1983, p. 143); Jennings and Jilson (1986)
92 LYON	Work Target	105 K 5	9	INAC (1987, p. 253-254)
93 CODY	Work Target	105 K 6	9	INAC (1987, p. 255)
94 TRUMP	Work Target	105 K 6	9	INAC (1987, p. 254)
95 WHP	Work Target	105 K 3	9	This Report
96 RUBY	Work Target	105 K 6	9	This Report
97 RAN	Work Target	105 K 2, 3, 4, 5	9	This Report
98 PELLY	Work Target	105 F 15	9	This Report
99 POD	Work Target	105 K 2	9	This Report

RR  
Curragh Resources Inc.

Work Target  
105 K 6 (32)  
62°18'N, 133°17'W  
1987

References: No previous reference

Claims: RR 1-3

Source: Summary by T. Bremner of assessment report 092101 by L.C. Pigage.

#### History:

The claims were staked in 1984, on trend with known stratiform massive sulphide deposits in the Anvil District.

**Description:**

The property lies immediately west of the Anvil Batholith and is underlain by three mappable units of the Lower Cambrian Mt. Mye Formation. In order from structurally lowest to highest these are: an interlayered unit of marble, calc-silicate and biotite schist, a non-calcareous muscovite-biotite schist unit and a unit of massive marble.

**Current Work and Results:**

Three days of detailed lithologic and structural mapping were done in 1987 and a petrographic study was made. The three map units form a southwest-dipping homoclinal sequence 520 m thick. Petrographic comparisons show that the calc-silicate and marble map units correlate with the lower part of the Mt. Mye Formation. Rocks belonging to the upper part of the Mt Mye formation which host massive sulphide deposits in the area do not appear to be present on the property.

LAD  
CIMA Resources Ltd

Silver, Lead, Zinc, Copper  
Vein  
105 K 16 (51)  
62°68'N, 132°14'W  
1977

References: No previous reference

Claims: LAD 11-12, 19-26, 47-62, 65-75, 88, 90, 100, 102, 114

Source: Summary by T. Bremner of assessment report 091710 by W.S. Read.

**Description:**

Pyrrhotite, pyrite, galena, sphalerite and chalcopryrite occur in two parallel veins within a fault zone crosscutting quartzite.

**Current Work and Results:**

In 1977, the veins were explored by two diamond drillholes totalling 252.1 m. The upper vein returned 135 g/t Ag, 5.25% Pb and 4.7% Zn over 1.2 m. The lower vein returned 47.3 g/t Ag, 0.39% Pb and 1.63% Zn over 2.1 m.

**TAR**  
Ezee Golds Ltd

**Work Target**  
105 K 2 (70)  
62°01'N, 132°44'W  
1987

**References:** INAC (1985, p. 193)

**Claims:** TAR 4-8; HELL 5-8; ERN 1-4

**Source:** Summary by W.P. LeBarge of assessment report 091733 by S.B. Cheeseman.

**History:**

The claims were staked in 1983 by E. Wagantall. No previous activity is known.

**Description:**

The claims lie in a graben along the Tintina fault and are probably underlain by Eocene felsic volcanoclastic rocks.

**Current Work and Results:**

In 1987 one diamond drill hole was drilled to a depth of 57.3 metres, intersecting a crystal lithic felsic tuff with intermittent iron staining, clay alteration and silicification. A trace of gold was detected.

**GREW CREEK**  
Noranda Exploration Co. Ltd

**Gold vein/breccia**  
105 K 2,3,10; 105 F 15 (88)  
62°03'N, 132°50'W  
1987

**References:** Duke and Godwin (1986); INAC (1987, p. 251-252)

**Claims:** CANYON 37-90, 98, 100, 102, 104, 216, 218-222, 301-347; GRAND 1-136, 138-162

**Source:** Summary of T. Bremner of assessment reports 092002 and 092099 by H. Copland.

**Current Work and Results:**

An airborne geophysical survey was flown in 1987, followed by ground magnetometer and IP surveys, soil geochemistry and diamond drilling. Magnetic data outlined a number of faults or cross fractures trending approximately 350° to 010° which show up as strong lineaments on aerial photographs.

**5. FARGO**

J. Murnion  
105 K 3  
62°07'N, 133°20'W

Claims: JUSTON 1-14, CRAIG 1-8

**6. LYN**

J. Murnion  
105 K 3  
62°09'N, 133°15'W

Claims: FUD 1-9

**7. CASCA (RIDGE)**

Dominion Explorers Inc.  
105 K 3  
62°09'N, 133°18'W

Claims: JWM 1-16

**37. JACOLA**

Curragh Resources Ltd  
105 K 6  
62°24'N, 133°30'W

Claims: R.V. 1-165

**40. RESERVE**

B. Kelhert,  
Selmane Resources Corp.  
105 K 5  
62°27'N, 133°51'W

Claims: LAR 1-16, AL 1-16

**73. SIR JOHN A**

EZEE Golds Ltd,  
Dominion Explorers Inc.  
105 K 3  
62°05'N, 133°12'W

Claims: CES 1-28, MARY 1-57, ABE 1-35,  
VERLE 1-4, KELSEY 1-95

**88. GREW CREEK**

Noranda Exploration Co. Ltd.  
105 K 2, 3  
62°07'N, 133°03'W

Claims: CAN 1-110, 113-147, 149

**95. WHP**

W. Pinkenburg  
105 K 3  
62°07'N, 133°06'W

Claims: WHP 1-8

**96. RUBY**

B. Lueck  
105 K 6  
62°22'N, 133°06'W

Claims: RUBY 1-20

**97. RAN**

G. Clark  
105 K 2, 3, 4, 5; 105 F 15  
62°14'N, 133°30'W

Claims: RAN 1-146, 153-197, 199-535, 537-557,  
559-799, 801-870, 881-1040



**98. PELLY**

F. Charlie, A. John  
105 K 2  
62°08'N, 132°59'W

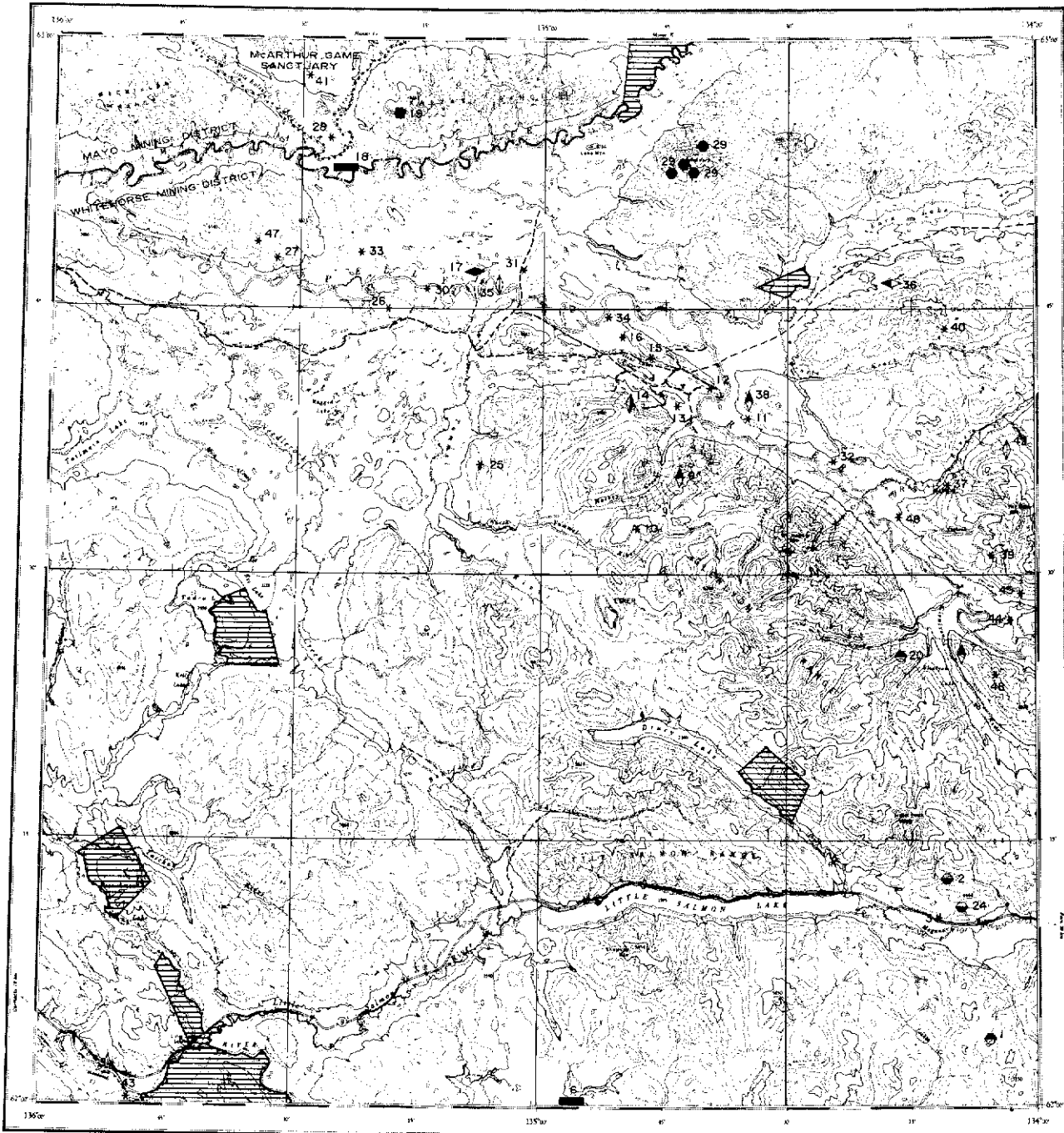
Claims: PELLY 1-18

**99. POD**

Curragh Resources Ltd  
105 K 2  
62°09'N, 132°51'W

Claims: POD 1-107





GLENYON  
YUKON TERRITORY



Lands withdrawn from staking  
due to Native Land Claims  
(see specific claim map for  
accurate location and  
additional sites of withdrawal).



- Toté Trail.
- Driveable Road.
- A Airstrip.

## GLENLYON MAP-AREA (NTS 105 L)

General Reference: GSC Map 1221A and Memoir 352 by R.B. Campbell, 1967.

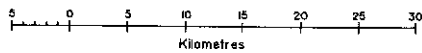
NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 LOKKEN	Skarn Zn	105 L 1	7	
2 LITTLE SALMON	Skarn Zn Pb (Ag Sn)	105 L 1	7	Green (1965, p. 38-40)
3 MOULE	Work Target	105 L 1	9	Campbell (1967, p. 81); INAC (1982, p. 163)
4 TRUITT	Deleted: no information			
5 BRANDY	Work Target	105 L 2	9	Campbell (1967, p. 81)
6 JUMPONT	Coal	105 L 2	7	Craig and Laporte (1972, p. 156)
7 GLENLYON LAKE	Vein Cu Pb	105 L 8	7	
8 HODDER	Deleted: no information			
9 HARVEY	Vein Cu	105 L 10	7	Johnston (1936, p. 18)
10 TUMMEL	Work Target	105 L 10	9	Campbell (1967, p. 81)
11 MUIR	Work Target	105 L 10	9	INAC (1981, p. 200)
12 HUB	Work Target	105 L 10	9	Findlay (1969b, p. 28-29); INAC (1983, p. 147, 150)
13 SEARFOSS	Work Target	105 L 10	9	Findlay (1969b, p. 28-29)
14 FRONT	Vein Cu Ag	105 L 10	7	
15 GE	Work Target	105 L 10	9	INAC (1981, p. 200)
16 MCCOWAN	Work Target	105 L 10	9	Findlay (1969b, p. 28-29)
17 CLEAR LAKE	Stratabound Concordant Pb Zn Ag Ba	105 L 14	6	INAC (1986, p. 114) Grapes (1987); Morin in INAC 1981, p. 85-90)
18 DUO	Coal	105 L 14	7	
19 MACARTHUR	Skarn Mo Cu W	105 L 14	7	INAC (1983, p. 147-148);
20 FELIX	Skarn Zn	105 L 8	7	Sinclair <i>et al</i> (1976, p. 126)
21 KELLY	Deleted: no information			
22 TREDGER	Deleted: no information			
23 CONWEST	Deleted: no information			
24 DRURY	Skarn Zn Pb Ag	105 L 1	7	INAC (1983, p. 147-149)
25 PETER	Work Target	105 L 11	9	INAC (1981, p. 201)
26 GRAF	Work Target	105 L 11, 14	9	INAC (1981, p. 201)
27 HUGH	Work Target	105 L 13	9	INAC (1981, p. 201)
28 HANK	Work Target	105 L 14	9	INAC (1981, p. 201-202)
29 ONE HUMP	Skarn Cu W, Stratabound Concordant Ba, Vein Ag Pb Zn	105 L 15	5	INAC (1985, p. 196-197)
30 TUM	Work Target	105 L 14	9	INAC (1985, p. 197)
31 PELLY	Work Target	105 L 14	9	INAC (1981, p. 202)
32 SAP	Work Target	105 L 9	9	INAC (1981, p. 202)
33 RSVP	Work Target	105 L 14	9	INAC (1981, p. 202)
34 WHIP	Work Target	105 L 10	9	INAC (1981, p. 202)
35 HACHEY	Vein, Replacement Pb Zn Cu	105 L 14	7	
36 JAR	Stratabound Concordant Ba	105 L 16	7	INAC (1983, p. 147, 149)
37 LOBO	Work Target	105 L 9	9	Sinclair <i>et al</i> (1976, p. 127)
38 END	Vein Cu	105 L 10	7	Sinclair <i>et al</i> (1976, p. 128)
39 AM-PM	Work Target	105 L 9	9	Morin <i>et al</i> (1980, p. 45)
40 RABBIT	Work Target	105 L 9	9	INAC (1985, p. 197)
41 BUM	Work Target	105 L 14	9	INAC (1985, p. 197-198);
42 SUE	Vein, Replacement Pb Zn	105 L 9	7	INAC (1985, p. 198)
43 DAMBUSTER	Work Target	105 L 4	9	INAC (1985, p. 198)
44 MARK	Work Target	105 L 8	9	INAC (1985, p. 198)
45 TAY	Work Target	105 L 8	9	INAC (1985, p. 198)
46 AM	Work Target	105 L 9	9	INAC (1985, p. 198)
47 GAL	Work Target	105 L 13	9	INAC (1987, p. 258)
48 LEN	Work Target	105 L 8	9	INAC (1987, p. 258-259)



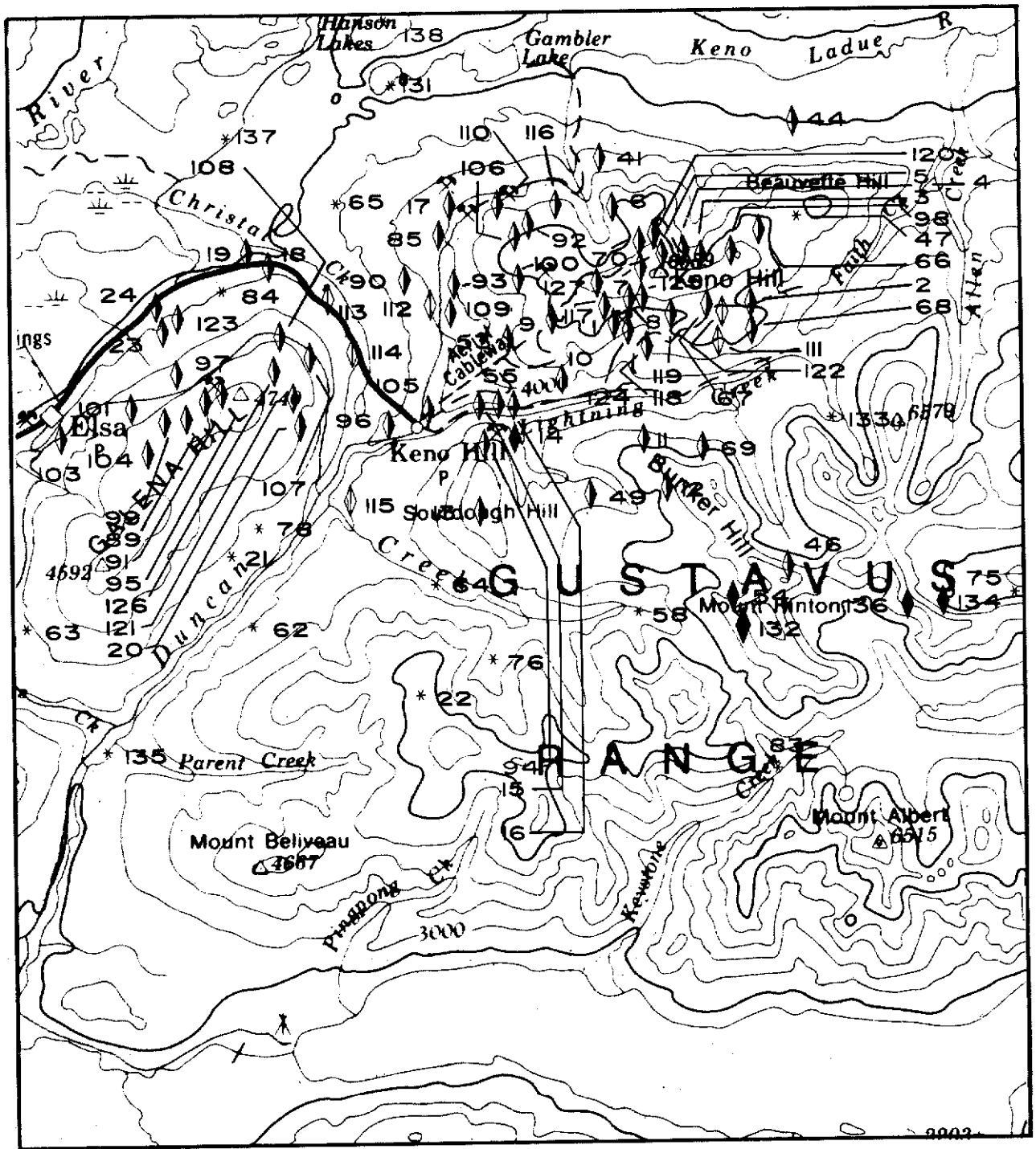
MAYO  
YUKON TERRITORY



Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



- Tote Trail.
- Driveable Road.
- A Airstrip.



## MAYO MAP-AREA (NTS 105 M)

General References: GSC Map 890A by H.S. Bostock, 1947;  
 Bulletin 111 by R.W. Boyle, 1965;  
 GSC Open File 710 by M.P. Cecile, 1980;  
 Watson (1986); Lynch (1986); Franzen (1986).

NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	KENO 700	Vein Ag Pb Zn	105 M 14	3	Nat. Min. Inv., 105 M 14, AG 31
2	FAITH	Vein Ag Pb	105 M 14	7	INAC (1981, p. 206; 1987, p. 204-257)
3	DUNCAN	Vein Ag Pb Zn	105 M 14	7	Boyle (1965, p. 56)
4	GOLD QUEEN	Vein Ag Pb Zn	105 M 14	7	Boyle (1965, p. 52); Green (1966, p. 18-19)
5	SILVER BASIN	Vein Ag Pb Zn	105 M 14	7	Boyle (1965, p. 51)
6	NABOB #2	Vein Ag Pb Zn	105 M 14	7	Boyle (1965, p. 51); INAC (1985, p. 209)
7	LADUE FRACTION	Vein Ag Pb Zn	105 M 14	7	Boyle (1965, p. 40)
8	COMSTOCK	Vein Ag Pb Zn	105 M 14	3	Boyle (1965, p. 39, 40, 42); Green (1966, p. 15)
9	APEX	Vein Ag Pb Zn	105 M 14	7	Boyle (1965, p. 42-43)
10	VANGUARD	Vein Ag Pb Zn	105 M 14	4	Boyle (1965, p. 47)
11	HOMESTAKE	Vein Ag Pb Zn	105 M 14	7	Boyle (1965, p. 52-53); Findlay (1967, p. 22)
12	CHRISTINE	Vein Ag Pb Zn	105 M 14	7	Findlay (1969a, p. 25)
13	MO	Vein Ag Pb Zn	105 M 14	7	
14	MAYBRUN	Vein Au Ag	105 M 14	7	
15	HOGAN	Vein Ag Pb Zn	105 M 14	7	INAC (1981, p. 206)
16	RUNER	Vein Ag Pb Zn	105 M 14	7	Boyle (1965, p. 46-47)
17	WERNECKE	Vein Ag Pb Zn	105 M 14	4	Boyle (1965, p. 46-47)
18	FORMO (YUKENO)	Vein Ag Pb Zn	105 M 14	7	Findlay (1969a, p. 12)
19	PADDOY	Vein Ag Pb Zn	105 M 14	3	INAC (1982, p. 167; 1986, p. 123)
20	EAGLE	Vein Ag Pb Zn	105 M 14	3	Craig and Laporte (1972, p. 14)
21	FISHER	Work Target	105 M 14	5	INAC (1981, p. 206)
22	PARENT	Work Target	105 M 14	9	INAC (1981, p. 207; 1986, p. 124)
23	CREAM AND JEAN	Vein Ag Pb Zn	105 M 14	9	INAC (1982, p. 169)
24	NORD	Vein Ag Pb Zn	105 M 14	4	Boyle (1965, p. 78)
25	GERLITZKI	Vein Ag Pb Zn	105 M 13	7	Craig and Laporte (1972, p. 13-14)
26	UR	Vein Ag Pb Zn	105 M 13	7	INAC (1987, p. 268)
27	SHANGHAI	Vein Ag Pb Zn	105 M 13	7	Green and Godwin (1964, p. 13); INAC (1982, p. 165); INAC (1985, p. 209)
28	WAYNE	Skarn Zn Pb, Vein W Au Ag	105 M 13	5	Findlay (1967, p. 24-25); INAC (1985, p. 209; 1986, p. 123)
29	ARGENT	Skarn Zn Pb, Vein W Au Ag	105 M 13	6	INAC (1985, p. 202, 206)
30	JOLUMBIRA (STREBCHUK)	Vein Ag Pb Zn	105 M 13	7	INAC (1981, p. 211)
31	MT. HALDANE	Vein Ag Pb	105 M 13	7	INAC (1983, p. 151, 156-157); Emond (1986)
32	LAYSIER	Vein Ag Pb Zn	105 M 13	5	INAC (1981, p. 207, 211)
33	COBALT	Vein Ag Pb Zn	105 M 15	7	INAC (1987, p. 268-269)
34	GORDON	Vein Sb Ba Mn	105 M 11	7	Green (1971, p. 61)
35	TWO BUTTES	Skarn W	105 M 6	6	Sinclair and Gilbert (1975, p. 16-17); Garrett (1971); INAC (1982, p. 167)
36	SIDE SLIP	Skarn Cu	105 M 4	7	
37	PIMA	Skarn W Cu Zn	105 M 4	7	
38	HOT SPRINGS	Vein Ag Pb	105 M 4	7	
39	LOST WERNECKE COPPER	Deleted: apparently still lost		7	
40	ROOP	Skarn W Cu	105 M 15	7	Little (1959, p. 36-37)
41	MOON	Vein Ag Pb	105 M 14	7	INAC (1982, p. 169);
42	MT. ALBERT	Vein Ag Pb	105 M 15	7	
43	MCKIM	Vein Ag Pb	105 M 15	7	
44	NERO	Vein Ag Pb	105 M 14	7	
45	FREISEN	Skarn Cu W Mo Ag Au	105 M 4	7	
46	MT. HINTON	Vein Ag Pb Zn	105 M 14	7	INAC (1987, p. 270-271); This Report
47	AVENUE	Work Target	105 M 14	9	Craig and Milner (1975)
48	CHANCE	Vein Sb	105 M 13	7	
49	YONO	Vein Ag Pb	105 M 14	7	
50	SUNDANCE	Work Target	105 M 13	7	
51	GUSTAVUS	Vein Ag Pb	105 M 15	9	INAC (1981, p. 211)
52	NEWRY	Deleted: no information	105 M 15	7	
53	CHRISTAL	Vein Ag Pb	105 M 14	7	INAC (1981, p. 208)
54	MCNEILL GULCH (MT. HINTON)	Vein Ag Au	105 M 14	7	INAC (1982, p. 168)
55	IRONCLAD	Vein Ag Pb Zn	105 M 14	7	P. Watson (pers. comm. 1987)
56	SINISTER	Work Target	105 M 13	9	This Report
57	ZAP	Vein Ag Pb Zn	105 M 13	7	INAC (1981, p. 208); INAC (1983, p. 151, 158)
58	W	Work Target	105 M 14	7	INAC (1982, p. 168)
59	AZTEC	Deleted: no information		9	INAC (1981, p. 209)
60	KALZAS	Vein W	105 M 7	7	INAC (1985, p. 208; 1986, p. 123); Lynch (1985)
61	WEASEL	Work Target	105 M 13	9	INAC (1981, p. 211)

62 FEEBLE	Work Target	105 M 14	9	INAC (1981, p. 211)
63 CLEAVES	Work Target	105 M 13	9	INAC (1981, p. 211)
64 ROSS	Work Target	105 M 14	9	INAC (1981, p. 211); INAC (1982, p. 169)
65 CRO-MUR	Work Target	105 M 14	9	INAC (1981, p. 209)
66 BE NO. 1	Vein Ag Pb Zn	105 M 14	7	INAC (1982, p. 168)
67 BE NO. 2	Vein Ag Pb Zn	105 M 14	7	INAC (1982, p. 168)
68 BE NO. 3	Vein Ag Pb Zn	105 M 14	7	INAC (1983, p. 151, 157)
69 BE NO. 4	Vein Ag Pb Zn	105 M 14	7	INAC (1983, p. 151, 157)
70 DIAMOND	Vein Ag Pb Zn	105 M 14	7	INAC (1981, p. 210; 1986, p. 124)
71 HEART	Work Target	105 M 15	9	Morin et al (1980, p. 8)
72 DOPE	Work Target	105 M 3	9	INAC (1982, p. 168); INAC (1983, p. 151, 157)
73 DRILL	Work Target	105 M 5	9	INAC (1982, p. 169); INAC (1983, p. 151, 157)
74 SWIFT BANANAS	Work Target	105 M 13	9	INAC (1982, p. 169)
75 TUF	Work Target	105 M 15, 14	9	INAC (1982, p. 169)
76 LEETEE	Work Target	105 M 14	9	INAC (1982, p. 169)
77 ISABEL	Work Target	105 M 13	9	INAC (1982, p. 169); INAC (1983, p. 51, 158)
78 GOLDEN DUKE	Work Target	105 M 14	9	INAC (1983, p. 151, 158)
79 LEO	Vein Zn Ag Pb	105 M 13	2	P. Watson (pers. comm. 1987)
80 ARGENT	Work Target	105 M 13	9	INAC (1985, p. 209; 1986, p. 123)
81 NO CREEK	Work Target	105 M 13	9	INAC (1985, p. 209)
82 MAG	Work Target	105 M 13	9	INAC (1986, p. 122)
83 HIKE	Work Target	105 M 14	9	INAC (1985, p. 209)
84 SWENSON LEASES	Work Target	105 M 14	9	INAC (1985, p. 208)
85 SADIE-LADUE	Vein Ag Pb	105 M 14	1	INAC (1985, p. 208-209)
86 SILVER KING	Vein Ag Pb Zn	105 M 13	4	Nat. Min. Inv., 105 M 13, AG 1
87 HUSKY	Vein Ag Pb	105 M 13	1	Nat. Min. Inv., 105 M 13, AG 7
88 REX	Vein Au Ag Pb Sb Zn	105 M 13	5	Nat. Min. Inv., 105 M 13, AG 4
89 RUBY FRACTION	Vein Ag Pb	105 M 14	1	Nat. Min. Inv., 105 M 14, AG 7
90 KLONDYKE-KENO (BLUE ROCK)	Vein Ag Pb Zn	105 M 14	7	Nat. Min. Inv., 105 M 14, AG 8
91 TOWNSITE	Vein Ag Pb Zn	105 M 14	4	Nat. Min. Inv., 105 M 14, AG 18
92 HIGHLANDER, CUB & BUNNY	Vein Ag Pb Zn	105 M 14	4	Nat. Min. Inv., 105 M 14, AG 13
93 BLACK CAP & SHEPPARD	Vein Ag Pb	105 M 14	4	Nat. Min. Inv., 105 M 14, AG 15
94 BELLEKENO	Vein Ag Pb Zn	105 M 14	4	Nat. Min. Inv., 105 M 14, AG 16
95 HECTOR-CALUMET	Vein Ag Pb Zn	105 M 14	4	Nat. Min. Inv., 105 M 14, AG 19
96 MOTH	Vein Ag Zn Pb	105 M 14	2	Nat. Min. Inv., 105 M 14, AG 20
97 NO CASH	Vein Ag Pb Zn	105 M 14	3	Nat. Min. Inv., 105 M 14, AG 21
98 CARIBOU	Vein Ag Pb	105 M 14	4	Nat. Min. Inv., 105 M 14, AG 24;
99 BIRMINGHAM (ARCTIC & MASTIFF)	Vein Ag Pb	105 M 14	4	Nat. Min. Inv., 105 M 14, AG 25
100 SHAMROCK	Vein Ag Pb Zn	105 M 14	4	Nat. Min. Inv., 105 M 14, AG 26;
101 DIXIE	Vein Ag Pb Zn	105 M 14	4	Nat. Min. Inv., 105 M 14, AG 29
102 HUSKY SW	Vein Ag Pb	105 M 13	1	P. Watson (pers. comm. 1987)
103 ELSA	Vein Ag Pb Zn	105 M 14	3	Nat. Min. Inv., 105 M 14, AG 32
104 CORAL-WIGWAM	Vein Ag Pb	105 M 14	4	Boyle (1965, p. 63)
105 ONEK	Vein Ag Pb Zn	105 M 14	4	Nat. Min. Inv., 105 M 14, AG 33
106 LUCKY QUEEN	Vein Ag Pb Zn	105 M 14	3	Nat. Min. Inv., 105 M 14, AG 34
107 GALKENO	Vein Ag Pb	105 M 14	3	Nat. Min. Inv., 105 M 14, AG 38
108 DRAGON	Vein Ag Pb Zn	105 M 14	5	Nat. Min. Inv., 105 M 14, AG 40
109 CROESUS	Vein Ag Pb	105 M 14	7	Nat. Min. Inv., 105 M 14, AG 42
110 LAKE	Vein Ag Pb Zn	105 M 14	7	Nat. Min. Inv., 105 M 14, AG 44
111 DEVON	Vein Pb	105 M 14	7	Nat. Min. Inv., 105 M 14, AG 28
112 KIJO	Vein Pb	105 M 14	7	Nat. Min. Inv., 105 M 14, AG 45
113 BLUEBIRD	Vein Pb	105 M 14	7	Nat. Min. Inv., 105 M 14, AG 46
114 TIN CAN	Vein Zn	105 M 14	7	Nat. Min. Inv., 105 M 14, AG 47
115 DUNCAN CREEK	Vein Pb Zn	105 M 14	7	Nat. Min. Inv., 105 M 14, AG 48
116 STONE	Vein Ag (Pb Zn)	105 M 14	4	Nat. Min. Inv., 105 M 14, AG 50
117 NO. 1 VEIN FAULT	Vein Ag Pb Zn	105 M 14	4	Nat. Min. Inv., 105 M 14, AG 51
118 HELEN FRACTION	Vein Ag Pb (Sb)	105 M 14	7	Nat. Min. Inv., 105 M 14, AG 53
119 GOLD HILL NO. 2	Vein Ag (Pb Zn)	105 M 14	7	Nat. Min. Inv., 105 M 15, AG 54
120 FOX	Vein Ag Pb Zn	105 M 14	7	Nat. Min. Inv., 105 M 14, AG 55
121 "C" STRUCTURE	Vein Ag Pb	105 M 14	4	P. Watson (pers. comm. 1987)
122 DIVIDE	Vein Pb Zn	105 M 14	7	Nat. Min. Inv., 105 M 14, AG 58
123 OK	Vein Ag Pb	105 M 14	7	Nat. Min. Inv., 105 M 14, AG 62
124 PORCUPINE	Vein Ag	105 M 14	2	
125 NABOB	Vein Ag Pb	105 M 14	5	Boyle (1965, p. 40)
126 MCLEOD	Vein Ag Pb	105 M 14	3	Boyle (1965, p. 58)
127 GAMBLER	Vein Ag Pb	105 M 14	5	Nat. Min. Inv., 105 M 14, AG 37
128 WHITEMAN	Work Target	105 M 5	9	INAC (1986, p. 123)
129 GEM	Deleted: same as #128 WHITEMAN			
130 BIRGIT	Work Target	105 M 10	9	INAC (1986, p. 123)
131 SEC	Work Target	105 M 14	9	INAC (1986, p. 124)
132 MT. HINTON NO. 5	Vein Ag Au	105 M 14	6	P. Watson (pers. comm. 1987)
133 MAC	Work Target	105 M 14	9	INAC (1987, p. 273)
134 KAC	Vein Ag Au	105 M 14	7	INAC (1987, p. 271-272)
135 GOLD ROCK	Work Target	105 M 14	9	INAC (1987, p. 273)
136 MT. HINTON DISCOVERY	Vein Ag Au	105 M 14	5	P. Watson (pers. comm. 1987)
137 MARY	Work Target	105 M 14	9	This Report
138 ANNI	Work Target	105 M 14	9	This Report



MT. HINTON  
Orex Resources Ltd

Silver, Lead, Zinc Vein  
105 M 14 (46)  
63°52'N, 135°04'W  
1987

References: INAC (1987, p. 270-271)

Claims: KAC 2-4; DANA 2-4 JUNE 13-23

Source: Summary by T. Bremner of assessment report 092095 by J.H. Adams.

#### Current Work and Results:

In 1987, two NQ holes were drilled totalling 146.5 m. DDH MH-87-1 caved at 54.9 m and was re-drilled as DDH MH-87-1a which reached the target depth of 91.6 m. The main lithology seen in drill core consisted of interbedded graphitic schist and graphitic quartzite cut by 2 to 5 metre dykes of foliated quartz diorite with silicified margins. Thin quartz veins and pyritic layers were common in the bottom 28 m of the hole. Samples taken in this lower interval returned only 0.3 - 0.9 g/t Ag and background values of Au.

#### 29. ARGENT

M. Kilby, M. Bashford,  
L. Dionne  
105 M 13  
63°57'N, 135°46'W

Claims: ELSA 1-36

#### 41. MOON

W. Malicky  
105 M 14  
63°58.5'N, 135°23'W

Claims: MONDAY 5-6

#### 76. LEETEE

R. Quesnel, M. Glynn  
105 M 14  
63°52'N, 135°16'W

Claims: DUN 1-24, 26

#### 128. WHITEMAN

D. Sabo  
105 M 5  
63°27'N, 135°35'W

Claims: WHITEMAN 21-36; T-BIRD 1-14

#### 137. MARY

W. Koleba  
105 M 14  
63°58.5'N, 135°23'W

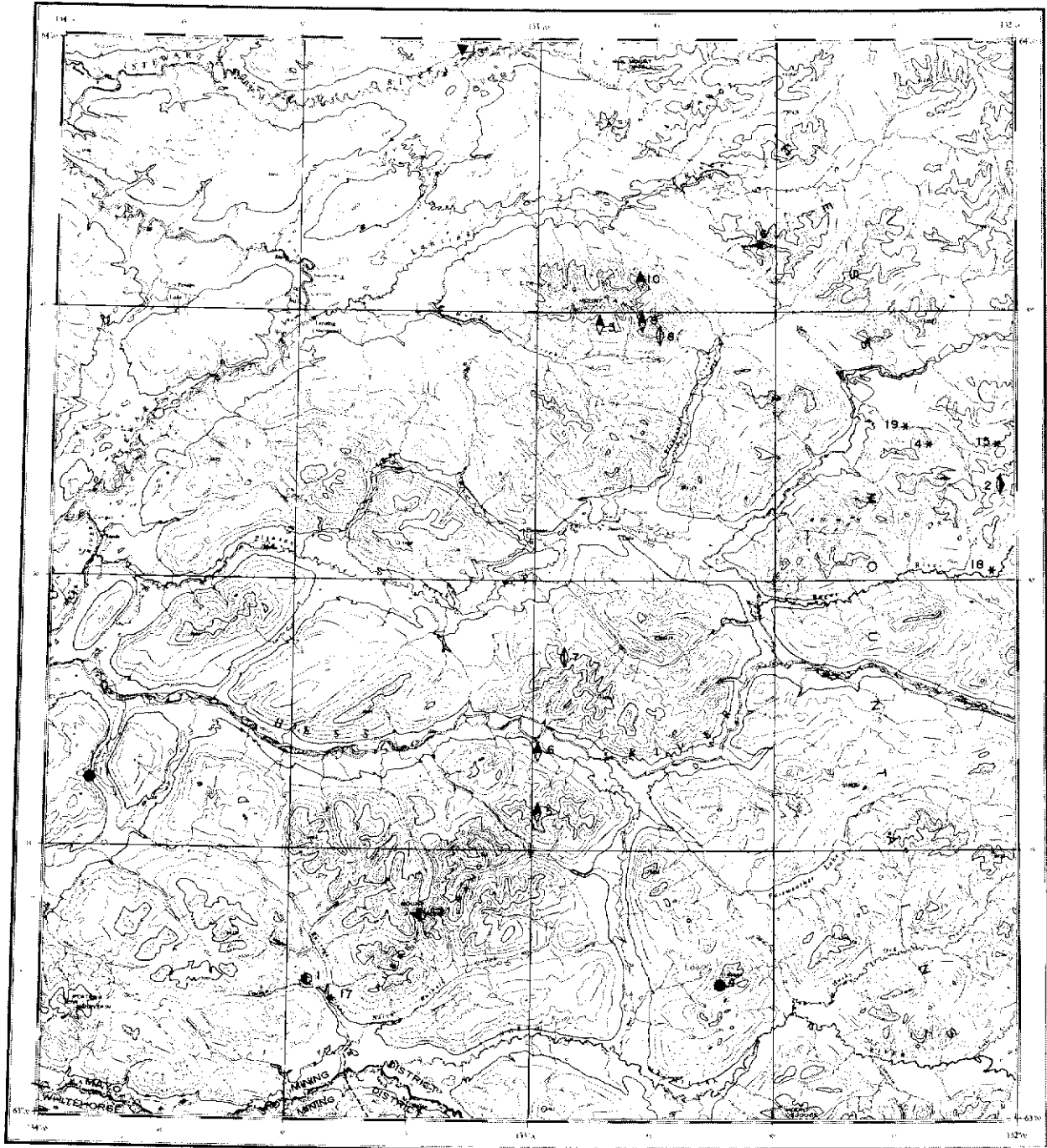
Claims: MARY 1-8

#### 138. ANN

P. Sołowonuk  
105 M 14, 106 D 3  
64°00'N, 135°18'W

Claims: JANE 1-8, ANN 7-22





LANSING  
YUKON TERRITORY



Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).

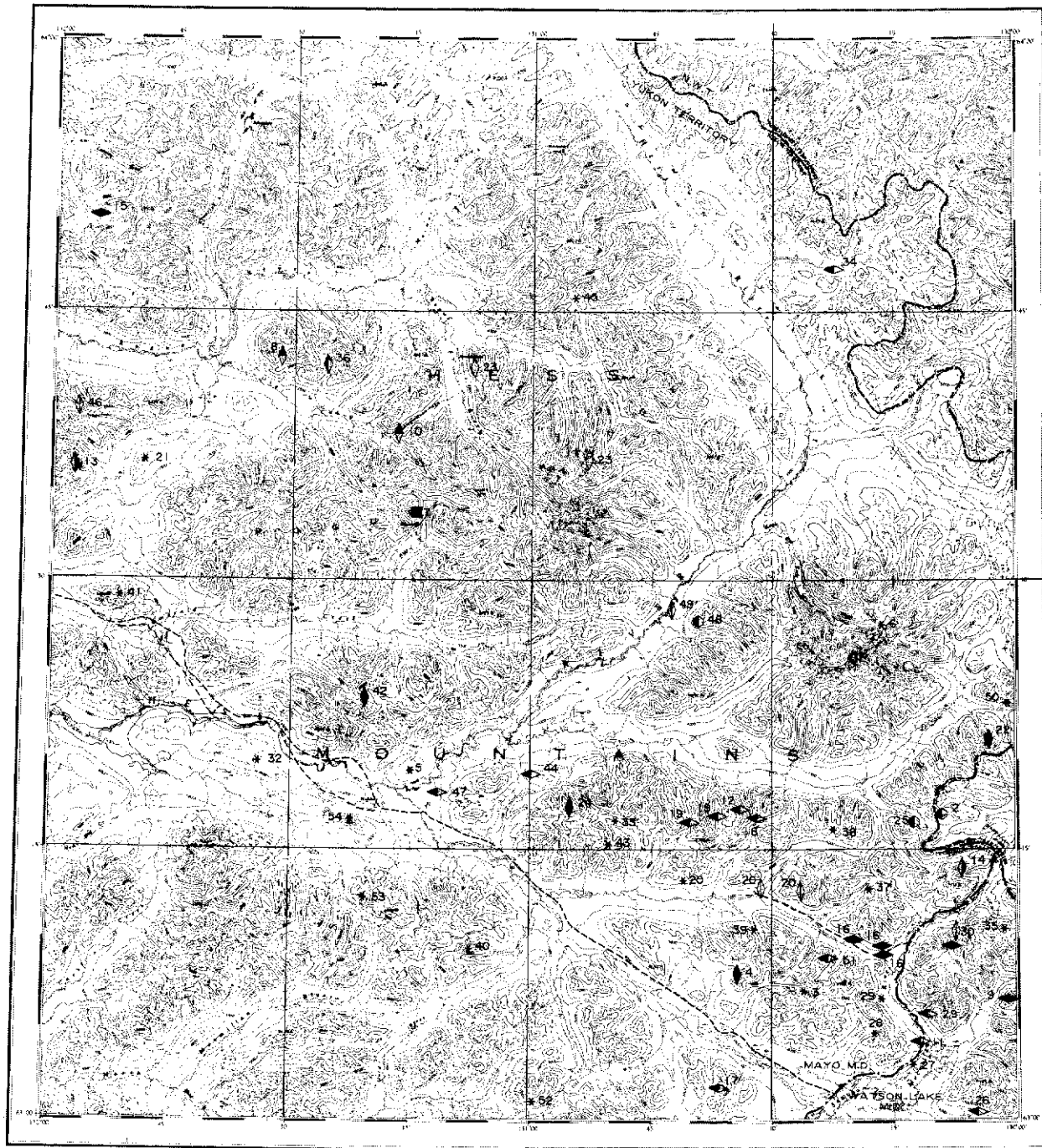


- Tote Trail.
- Driveable Road.
- A Airstrip.


## LANSING MAP-AREA (NTS 105 N)

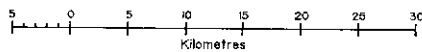
General References: GSC Open File 205 by S.L. Blusson, 1974;  
GSC Open File 710 by M.P. Cecile, 1980.




NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	ARMSTRONG	Skarn W Cu	105 N 3	7	Mulligan (1975, p. 74)
2	PLATA	Vein Ag Pb Zn	105 N 9	1	INAC (1985, p. 211); Abbott (1986b)
3	JOY	Vein, Replacment Cu	105 N 10	7	
4	GOLF	Skarn Cu	105 N 2	7	
5	ETZEL	Vein Cu	105 N 7	7	
6	BRODELL	Vein Cu	105 N 7	7	
7	PEBBLE	Vein, Replacement Pb	105 N 7	7	
8	DEAN	Vein Pb	105 N 10	7	
9	AUREOLE	Vein Cu	105 N 10	7	
10	BLOOM	Vein Cu Mo Pb Co	105 N 15	7	
11	PLEASANT	Skarn Cu W Ag	105 N 5	7	
12	TONGUE	Skarn W Cu Sn	105 N 3	7	INAC (1985, p. 211)
13	KIDD	Stratabound Discordant Zn	105 N 14	7	Morin et al. (1977, p. 119)
14	FLATASA	Work Target	105 N 9	9	INAC (1982, p. 171) INAC (1985, p. 211)
15	SPIS	Work Target	105 N 9	9	INAC (1981, p. 213)
16	ANDREA	Stratabound Concordant Ba	105 N 15	7	INAC (1982, p. 171)
17	RAM	Work Target	105 N 3	9	INAC (1983, p. 161)
18	STRIP	Work Target	105 N 9	9	INAC (1985, p. 212)
19	ROGUE	Work Target	105 N 9	9	INAC (1985, p. 211)



NIDDERY LAKE  
YUKON TERRITORY

 Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



 Tote Trail.  
 Driveable Road.  
 A Airstrip.

## MIDDERY LAKE MAP-AREA (NTS 105 0)

General References: GSC Open File 205 by S.L. Blusson, 1974;  
 GSC Open File 765 by M.P. Cecile, 1981;  
 GSC Open File 807 by S.P. Gordey, 1981;  
 CIAND Open File (105 0 SW and parts of 105 P SW) by J.G. Abbott, 1983.

NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	TOM	Stratabound Concordant Ag Pb Zn	105 0 1	2	McClay and Bidwell (1986); INAC (1987, p. 277)
2	MACTUNG	Skarn W Cu	105 0 8	2	Morin et al (1977, p. 20-22); Atkinson and Baker (1986) Harris (1977)
3	JEFF	Work Target	105 0 1	9	Garrett (1971, p. 73)
4	ALP	Vein Au Ag	105 0 2	7	INAC (1983, p. 163, 168)
5	SCOT	Work Target	105 0 6	9	Craig and Milner (1975, p. 18)
6	KEELE	Work Target	105 0 8	9	Garrett (1971, p. 73)
7	EMERALD	Porphyry Cu Mo	105 0 11	7	INAC (1985, p. 216); Smit et al (1985)
8	HORN	Vein Cu	105 0 12	7	Craig and Milner (1975, p. 17)
9	BEN	Stratabound Concordant Zn	105 0 1	7	
10	ARROWHEAD	Vein Cu	105 0 11	7	
11	MOOSE	Stratabound Concordant Ba	105 0 1	2	Sinclair et al (1975, p. 21- 22); Morin et al (1979, p. 31) INAC (1985, p. 216-217)
12	HESS	Stratabound Concordant Ba (Pb Zn Ag)	105 0 7	7	
13	INCA	Vein Ag Pb Zn	105 0 12	5	Sinclair et al (1975, p. 18); INAC (1985, p. 220); Abbott (1986b)
14	STANDARD	Vein, Replacement Pb Zn Ag	105 0 1	7	
15	ODU	Stratabound Concordant Pb Zn	105 0 13	6	
16	JASON	Stratabound Concordant Pb Zn Ag Ba	105 0 1	6	Bailes et al (1986); Smee and Bailes (1986); Winn et al (1987); INAC (1987, p. 278)
17	TEA	Stratabound Concordant Ba	105 0 2	6	INAC (1987 p. 279-284)
18	WALT	Stratabound Concordant Ba	105 0 7, 8	2	INAC (1981, p. 216)
19	TRYALA	Stratabound Concordant Ba	105 0 7	7	INAC (1983, p. 169; 1986, p. 141)
20	NIDD	Vein, Replacement Zn Pb Ag	105 0 1, 2	7	INAC (1986, p. 133);
21	BOBNOB	Work Target	105 0 12	9	INAC (1981, p. 217)
22	BORD	Vein Au Ag	105 0 8	7	INAC (1985, p. 217)
23	BEAUCHAMP	Vein Mo	105 0 11	7	INAC (1981, p. 217)
24	NEVE	Vein Sb Au Ag	105 0 7	7	INAC (1987, p. 280)
25	KEN	Skarn W Cu	105 0 8	7	Sinclair et al (1975, p. 30)
26	PETE	Stratabound Concordant Ba Pb Zn	105 0 1	7	Morin et al (1979, p. 94)
27	MOONLIGHT	Work Target	105 0 1	9	Morin et al (1979, p. 32)
28	ESS	Work Target	105 0 1	9	Morin et al (1979, p. 32)
29	FETCH	Stratabound concordant Ba	105 0 1	7	
30	CREE	Vein Pb Zn Sb	105 0 1	7	Morin et al (1979, p. 33)
31	ARGO	Deleted: same as #1 TOM			
32	MV	Work Target	105 0 5	9	Morin et al (1980, p. 10)
33	MAC	Work Target	105 0 7	9	INAC (1983, p. 165)
34	DUO	Stratabound Concordant Ba	105 0 16	6	INAC (1982, p. 178)
35	FOG	Work Target	105 0 1	9	INAC (1982, p. 177)
36	OLD CABIN	Vein Au Cu Pb	105 0 11	7	INAC (1983, p. 165, 169); Hart (1986)
37	FUN	Work Target	105 0 1	7	INAC (1985, p. 218)
38	FAN	Work Target	105 0 8	9	INAC (1983, p. 166)
39	SIM	Work Target	105 0 2	9	INAC (1982, p. 176, 177); INAC (1983, p. 166)
40	SUN	Work Target	105 0 3	9	INAC (1983, p. 166)
41	EMERA	Work Target	105 0 5	9	INAC (1982, p. 176, 177)
42	EMMY	Vein Ag Au Pb	105 0 6	7	INAC (1983, p. 166-167)
43	FAL	Work Target	105 0 7	9	INAC (1982, p. 177); INAC (1983, p. 167)
44	BAR	Stratabound Concordant Ba	105 0 7	7	INAC (1983, p. 167)
45	URSA	Work Target	105 0 15	9	INAC (1982, p. 177)
46	ETZEL	Vein Pb Zn Sb	105 0 12	7	INAC (1983, p. 167-168)
47	ANDY	Stratabound Concordant Ba	105 0 6	7	INAC (1982, p. 17)
48	NUT	Skarn, Vein W Cu Pb Zn Au Ag	105 0 7	7	INAC (1986, p. 141)
49	SMOKEY	Vein Pb Zn	105 0 7	7	INAC (1983, p. 169)
50	BBOB	Work Target	105 0 8	9	INAC (1983, p. 168-169)
51	J.K.	Stratabound Concordant Ba	105 0 1	7	INAC (1986, p. 131)
52	NUKE	Work Target	105 0 2	9	INAC (1986, p. 134)
53	DALL	Work Target	105 0 3	9	INAC (1986, p. 136)
54	LEAF	Work Target	105 0 6	9	INAC (1986, p. 138)
55	HASTEN	Work Target	105 0 1	9	INAC (1985, p. 218)

**2. MACTUNG**

Canada Tungsten Mining  
Corporation Ltd

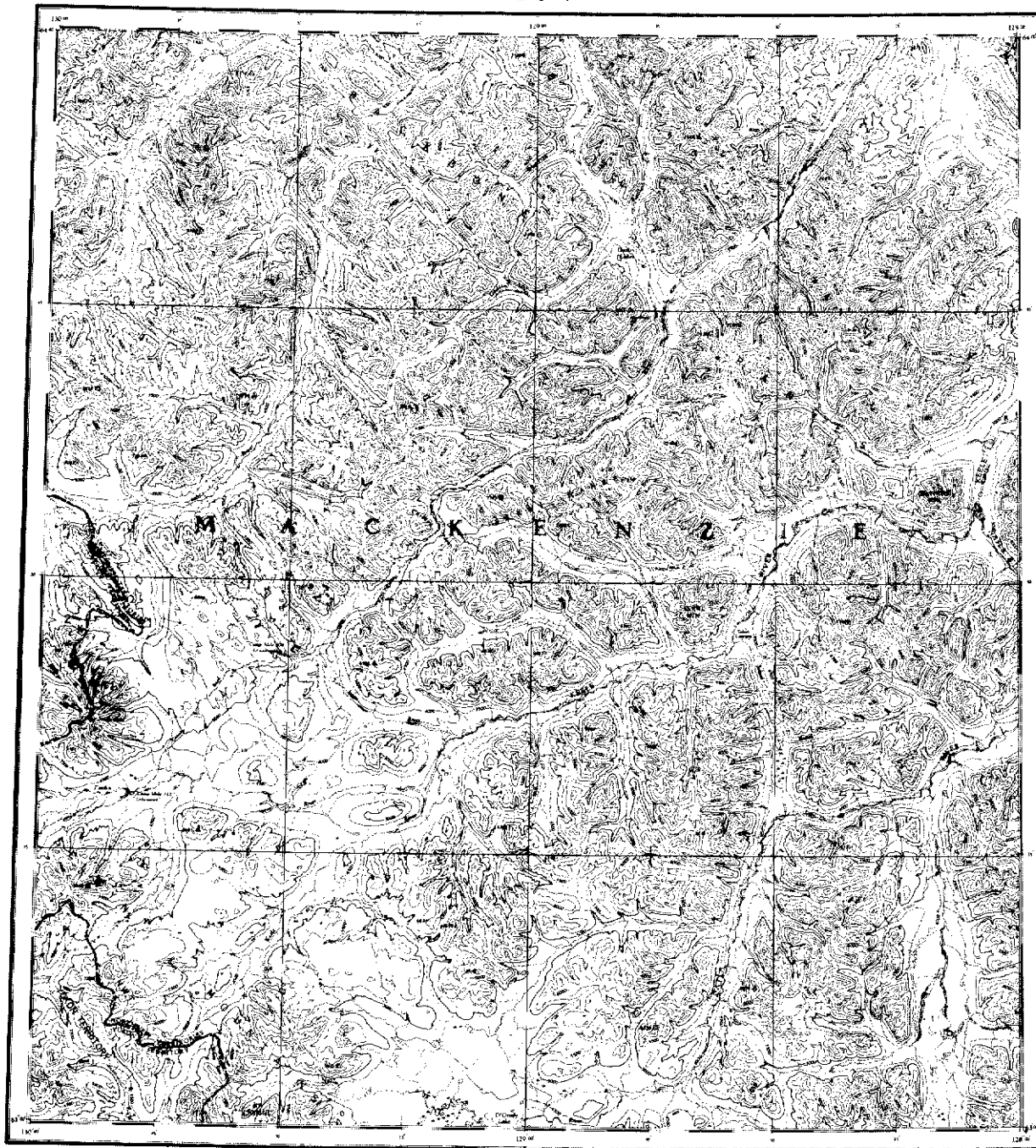
105 0 8

63°17'N, 130°11.5'W


Claims: BUCK 1










SEKWI MOUNTAIN  
YUKON TERRITORY

 Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).

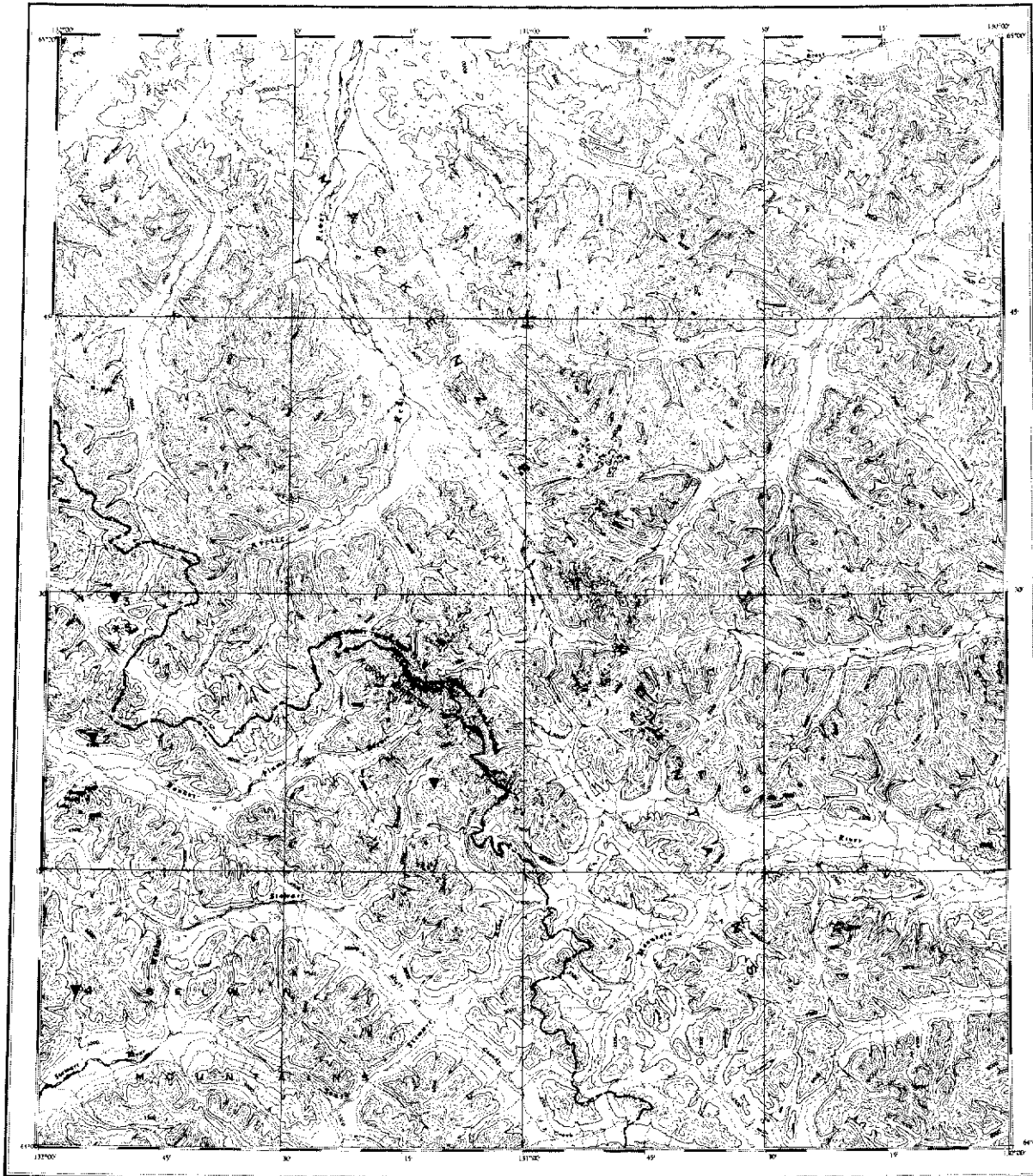


 Tote Trail.  
 Driveable Road.  
 Airstrip.


## SERMI MOUNTAIN MAP-AREA (NTS 105 P)

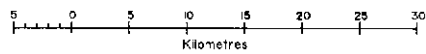
General References: GSC Paper 71-22 by S.L. Blusson, 1971;  
 GSC Open File 710 by M.P. Cecile, 1980;  
 GSC Open File 807 by S.P. Gordey, 1981.




NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 MEHITABEL	Skarn Cu W Mo	105 P 5	7	
2 NUM	Work Target	105 P 5	9	INAC (1986, p. 43);



BONNET PLUME LAKE  
YUKON TERRITORY.

 Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).

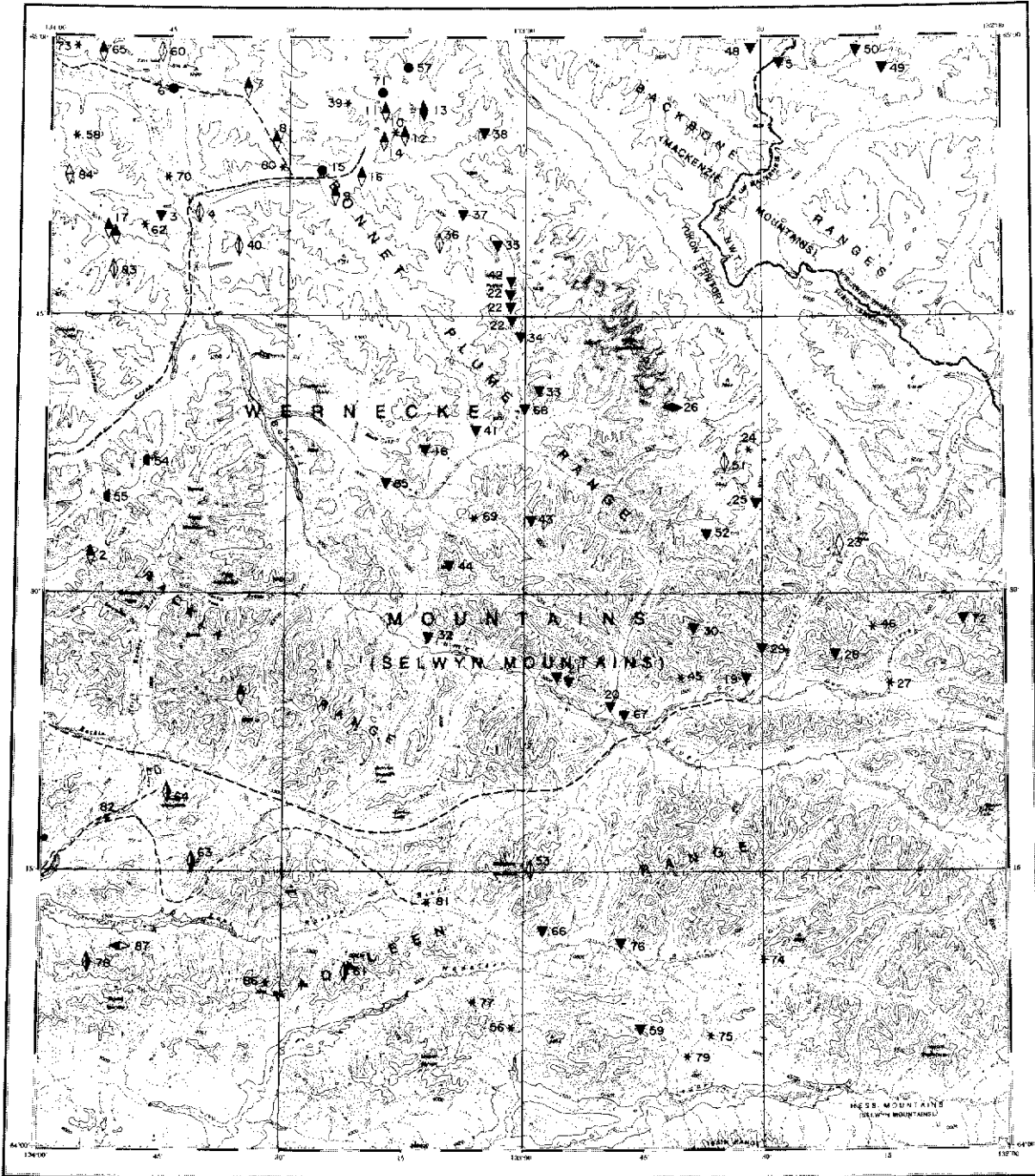


 Tate Trail.  
 Driveable Road.  
 A Airstrip.


## BONNET PLUME MAP-AREA (NTS 106 B)

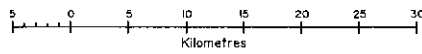
General References: GSC Open File 205 by S.L. Blusson, 1974;  
GSC Open File 710 by M.P. Cecile, 1980a.




NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	ECONOMIC	Stratabound Discordant Zn Pb	106 B 6	7	Sinclair et al (1975, p. 19) Dawson (1975, p. 240-241)
2	ANDY	Stratabound Discordant Zn Pb	106 B 5	7	
3	NECO	Stratabound Discordant, Vein Zn Pb	106 B 5	7	
4	BIRKELAND	Stratabound Discordant Zn Pb	106 B 4	7	Morin et al (1977, p. 118)
5	PR	Work Target	106 B 5	9	



NADALEEN RIVER  
YUKON TERRITORY

 Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



 Tote Trail.  
 Driveable Road.  
 Airstrip.

## NADALEEN RIVER MAP-AREA (NTS 106 C)

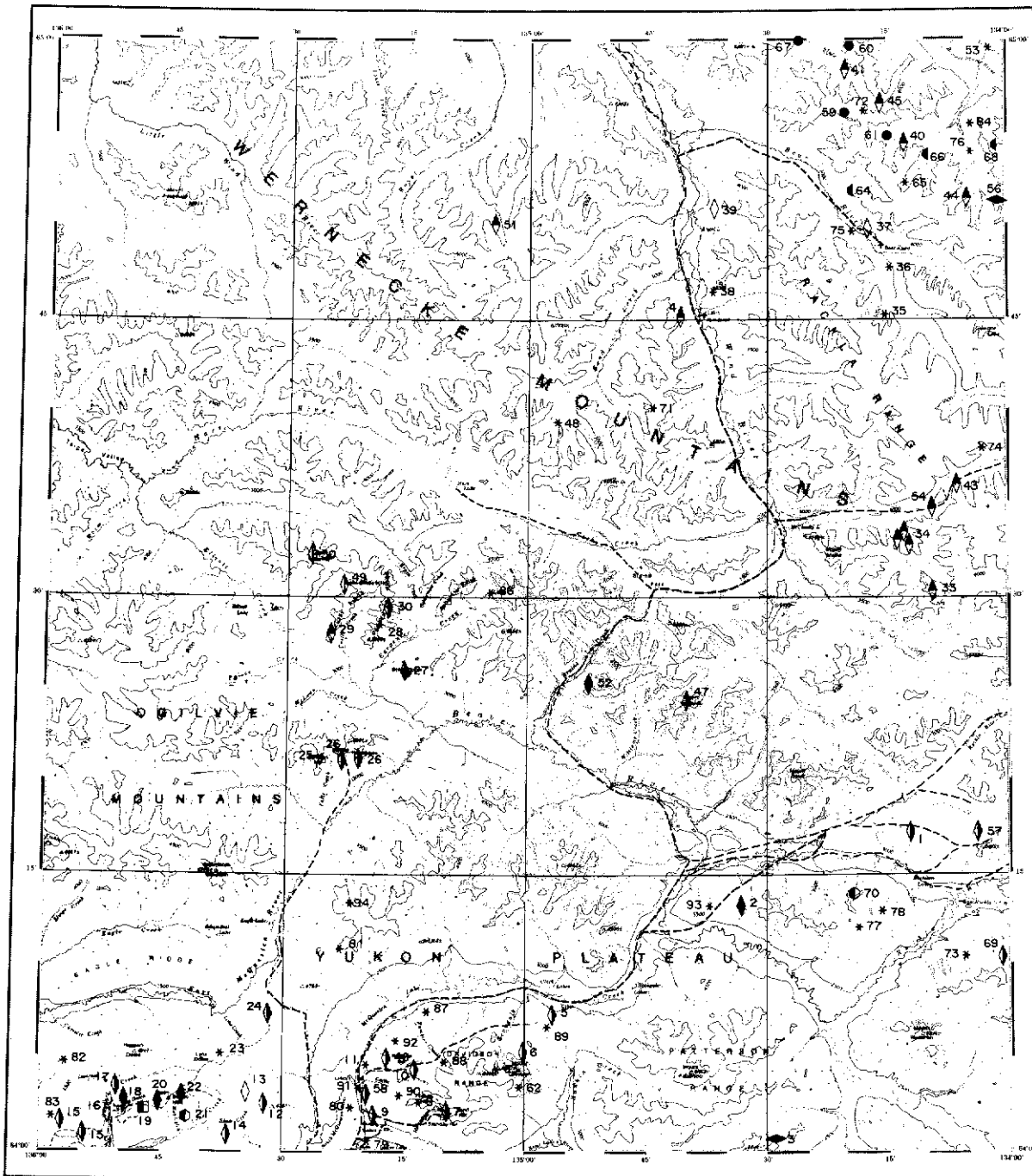
General References: GSC Open File 205, 206 by S.L. Blusson, 1974;  
 GSC Open File 710 by M.P. Cecile, 1980a;  
 GSC Open File by R.T. Bell, 1986;  
 GSC Geochem Open File 518.

NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	KOHSE	Vein, Replacement Cu	106 C 5	7	
2	SALUTATION	Vein Cu Co	106 C 12	7	
3	GILLESPIE	Stratabound Discordant Vein Zn Pb	106 C 13	7	
4	GEORDIE	Vein, Replacement Pb Zn Ag	106 C 13		
5	GILDERSLEEVE	Stratabound Discordant Zn Pb	106 C 16	7	Dawson (1975, p. 241)
5	FAIRCHILD	Wernecke Breccia U Cu	106 C 13	7	INAC (1983, p. 175-176)
7	BIBBER	Vein Cu	106 C 13	7	
8	DOLORES	Vein Cu Ag Co	106 C 13	7	
9	KEY MOUNTAIN (BARB)	Vein Cu Co	106 C 14	7	INAC (1982, p. 185-186)
10	MAMMOTH	Work Target	106 C 14	9	Findlay (1969b, p. 16-17)
11	CIRQUE	Vein Cu Co Ag	106 C 14	7	
12	PORPHYRY	Vein Cu	106 C 14	7	Findlay (1969b, p. 16-17)
13	TETRAHEDRITE CREEK	Vein Au Ag (Cu Pb Zn Sb)	106 C 14	6	INAC (1985, p. 228-229)
14	AIRSTRIP	Vein Cu	106 C 14	7	
15	VULCAN	Wernecke Breccia U Cu	106 C 14	7	INAC (1982, p. 186)
16	DOBBY	Vein Cu	106 C 14	7	
17	KIDNEY	Vein Cu	106 C 13	7	
18	PING (CORN CREEK)	Stratabound Discordant Zn Pb	106 C 11	5	Sinclair <u>et al</u> (1975, p. 53-54)
19	GOZ CREEK	Stratabound Discordant Zn Pb	106 C 7	2	Sinclair <u>et al</u> (1975, p. 23-24); Reeve (1977)
20	HARRISON	Stratabound Discordant Zn Pb	106 C 7	6	Sinclair <u>et al</u> (1975, p. 41-42)
21	MUELLER	Stratabound Discordant Zn Pb	106 C 7	5	Sinclair <u>et al</u> (1975, p. 42-43)
22	CORN CREEK (COB)	Stratabound Discordant Zn Pb	106 C 11, 14	7	Sinclair <u>et al</u> (1975, p. 26)
23	ZOG	Vein, Replacement Zn	106 C 9	7	
24	GOODMAN (AL)	Work Target	106 C 10	7	Sinclair <u>et al</u> (1975, p. 64-65)
25	NEST	Stratabound Discordant Zn Pb	106 C 10	6	Sinclair <u>et al</u> (1975, p. 33-35)
26	TOPOROWSKI	Stratabound Concordant Zn Pb	106 C 10	7	
27	ANGLD	Work Target	106 C 8	9	Sinclair <u>et al</u> (1975, p. 38, 40)
28	GUS	Stratabound Discordant Zn Pb	106 C 8	7	Sinclair <u>et al</u> (1975, p. 36)
29	GENTRY	Stratabound Discordant Zn Pb	106 C 7	7	Sinclair <u>et al</u> (1975, p. 24-28)
30	CADET	Stratabound Discordant Zn Pb	106 C 7	7	Sinclair <u>et al</u> (1975, p. 29, 46)
31	LOG	Deleted: no information			
32	MOUSE	Stratabound Discordant Zn Pb	106 C 6	7	Sinclair <u>et al</u> (1975, p. 40-41)
33	STAR	Stratabound Discordant Zn Pb	106 C 10	7	Sinclair <u>et al</u> (1975, p. 55-56)
34	DEA	Stratabound Discordant Zn Pb	106 C 11	7	Sinclair <u>et al</u> (1975, p. 58-59)
35	PROFEIT	Stratabound Discordant Zn Pb Ag Cu	106 C 14	6	INAC (1982, p. 186, 190)
36	POO	Vein Pb Zn	106 C 14	7	
37	EG	Stratabound Discordant Zn Pb	106 C 14	7	Sinclair <u>et al</u> (1975, p. 61-62)
38	DAN	Stratabound Discordant Zn Pb	106 C 14	7	Sinclair <u>et al</u> (1975, p. 61)
39	MAC (OTTO)	Work Target	106 C 14	9	Sinclair <u>et al</u> (1975, p. 63)
40	LEARY	Vein Zn Pb Cu	106 C 13	7	Sinclair <u>et al</u> (1975, p. 63)
41	HX	Stratabound Discordant Zn Pb	106 C 11	6	Sinclair <u>et al</u> (1975, p. 56-57)
42	SUN	Stratabound Discordant Zn Pb	106 C 14	7	Sinclair <u>et al</u> (1975, p. 60)
43	BOB	Stratabound Discordant Zn Pb	106 C 10	7	
44	BRENDON (RAM)	Stratabound Discordant Zn Pb	106 C 11	7	Sinclair <u>et al</u> (1975, p. 51)
45	GAL	Work Target	106 C 7	9	Sinclair <u>et al</u> (1975, p. 30-31)
46	RUM/RAF	Work Target	106 C 8	9	Sinclair <u>et al</u> (1975, p. 37, 39)
47	TAPIN	Deleted: no information			
48	CAB	Stratabound Discordant Zn Pb	106 D 15	7	Morin <u>et al</u> (1979, p. 41)
49	BAK	Stratabound Discordant Zn Pb	106 C 16	7	
50	MOGUL	Stratabound Discordant Zn Pb	106 C 16	7	Sinclair <u>et al</u> (1975, p. 66)
51	DUNE	Vein Zn Pb	106 C 10	7	
52	SNAKE	Stratabound Discordant Zn Pb	106 C 10	7	
53	McKELVIE	Vein Zn Pb Ba	106 C 7	7	
54	MARSHALL	Occurrence Cu	106 C 12	7	
55	ALGAE	Occurrence Cu	106 C 12	7	
56	LEAH	Work Target	106 C 3	9	INAC (1981, p. 224)
57	RAM	Breccia U Cu	106 C 14	7	INAC (1981, p. 224)
58	LFV	Work Target	106 C 13	9	INAC (1981, p. 235)
59	SIAN	Stratabound Discordant, Vein Ag Pb Zn	106 C 2	7	INAC (1981, p. 224)
60	OTTER	Vein Co Ni As	106 C 13	7	INAC (1982, p. 186-187)
61	CRAIG	Vein Ag Pb Zn	106 C 3	2	INAC (1981, p. 225-230)
62	TOW	Breccia U	106 C 13	7	INAC (1981, p. 231)
63	VAL	Vein Ag Pb Zn	106 C 5	2	INAC (1982, p. 187)
64	VERA	Vein Ag Pb Zn	106 C 5	2	INAC (1982, p. 187)
65	ELGEA	Vein Cu Co	106 C 13	5	INAC (1982, p. 187-188)
66	TARA (NADALEEN)	Stratabound Discordant Zn Pb	106 C 2	7	INAC (1982, p. 188, 190)
67	FUN	Stratabound Discordant Zn Pb	106 C 7	7	Sinclair <u>et al</u> (1976, p. 41)
68	DF	Stratabound Discordant Zn Pb	106 C 10, 11	6	Sinclair <u>et al</u> (1976, p. 50)
69	MID	Work Target	106 C 11	9	Sinclair <u>et al</u> (1976, p. 51)
70	ALE	Work Target	106 C 13	9	Sinclair <u>et al</u> (1976, p. 56)
71	PTERD	U Breccia	106 C 14	6	INAC (1982, p. 188)


72 REP	Stratabound Discordant Zn Pb	106 C 8	5	Morin <u>et al</u> (1979, p. 39)
73 BROMADROSIS	Work Target	106 C 13	9	Morin <u>et al</u> (1977, p. 122)
74 EIRA	Work Target	106 C 1, 2	9	Morin <u>et al</u> (1979, p. 35)
75 BLACK IDA	Work Target	106 C 2	9	Morin <u>et al</u> (1979, p. 35)
76 JAM	Stratabound Discordant Zn Pb	106 C 2	7	Morin <u>et al</u> (1979, p. 36)
77 STAR	Work Target	106 C 3	9	Morin <u>et al</u> (1979, p. 36)
78 COOKER	Vein Ag Pb Zn	106 C 4	7	Morin <u>et al</u> (1980, p. 37)
79 GLEN	Work Target	106 C 2	9	Morin <u>et al</u> (1980, p. 10)
80 BONNET	Work Target	106 C 13	9	INAC (1982, p. 190)
81 STRIP	Work Target	106 C 3	9	INAC (1982, p. 190)
82 RAFF	Work Target	106 C 5	9	INAC (1982, p. 190)
83 JOLLY	Vein Pb Zn	106 C 13	5	INAC (1983, p. 175-176)
84 APE	Vein Cu U Co Mo	106 C 13	7	INAC (1983, p. 175-176)
85 DJ	Stratabound Discordant Zn Pb	106 C 11	7	Sinclair <u>et al</u> (1975, p. 52)
86 MEX	Work Target	106 C 4	9	INAC (1985, p. 228)
87 NIKA	Stratabound Barite	106 C 4	7	INAC (1987, p. 288-289)

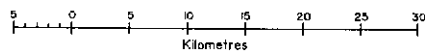









NASH CREEK  
YUKON TERRITORY

 Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



 Tote Trail.  
 Driveable Road.  
 A  
Airstrip.

## NASH CREEK MAP-AREA (NTS 106 D)

General References: GSC Map 1282A and Memoir 364 by L.H. Green, 1972;  
GSC Open File 710 by M.P. Cecile, 1980a;  
GSC Geochem Open File 518 and 419.

NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	KAYHLEEN	Vein Zn Ag Pb	106 D 8	6	INAC (1985, p. 233)
2	NOW	Vein Pb Zn Ag Au	106 D 2	6	INAC (1981, p. 238)
3	MARG	Volcanic-hosted Pb Cu Zn Ag Au	106 D 1	9	INAC (1986, p. 153); This Report
4	WEN	Vein Cu	106 D 15	7	Green (1972, p. 139)
5	CLARK	Vein Ag Pb Zn	106 D 2	2	Craig & Laporte (1972, p. 19-20); Sinclair & Gilbert (1975, p. 15-16)
6	CAMERON (PAUL)	Vein Ag Pb Zn	106 D 3	7	Green (1971, p. 63-64); Sinclair (Paul) et al (1975, p. 16-17)
7	STAND-TO	Vein Ag Pb Zn	106 D 3	7	Findlay (1969b, p. 13-14); INAC (1982, p. 198)
8	FORBES	Work Target	106 D 3	9	Cockfield (1922)
9	SPRING (HL)	Vein Ag Pb Zn	106 D 3	7	Craig & Milner (1975, p. 30); INAC (1982, p. 198);
10	RAMBLER	Vein Ag Pb Zn	106 D 3	6	Cockfield (1922, p. 4-5); Green (1971, p. 63); INAC (1981, p. 244); INAC (1985, p. 234); This Report
11	RUSTY	Work Target	106 D 3	9	
12	ERIN	Vein Ag Pb Zn	106 D 4	7	Craig & Laporte (1972, p. 16-17)
13	GWATHIR	Vein W	106 D 4	7	INAC (1981, p. 238)
14	SKATE	Vein Ag Pb Zn	106 D 4	6	INAC (1982, p. 194)
15	PESO (REX)	Vein Ag Pb Zn	106 D 4	2	Green (1965, p. 20-22); INAC (1981, p. 244); D.I.A.N.D. (1986, p. 158); This Report
16	BARKER	Vein unclassified	106 D 4	7	Boyle (1965, p. 84)
17	MEILECKE	Vein Ag Pb	106 D 4	7	
18	TIN DOME (SHEPPARD)	Vein Sn Au Ag	106 D 4	7	Mulligan (1975, p. 73-74); INAC (1987, p. 293-296)
19	DUBLIN GULCH	Stockwork W	106 D 4	7	INAC (1983, p. 179-180; 1987, p. 293-296)
20	POTATO HILLS	Vein Au Ag	106 D 4	7	Little (1959, p. 21-29, 34-36); Craig & Milner (1975, p. 24-25); INAC (1987, p. 293-296)
21	RAY GULCH	Skarn W	106 D 4	2	INAC (1981, p. 240); Lennan (1986); INAC (1987, p. 293-296)
22	ELLIS	Vein Au Ag	106 D 4	7	Green & Godwin (1963, p. 15)
23	LYNX	Work Target	106 D 4	9	Green & Godwin (1963, p. 15) INAC (1981, p. 244)
24	LUCKY STRIKE	Vein Ag Pb Zn	106 D 4	7	Green (1972, p. 137); INAC (1982, p. 198)
25	WHITE HILL	Work Target	106 D 6	9	Cockfield (1925, p. 1-18)
26	McKAY HILL	Vein Ag Pb Zn	106 D 6	4	Cockfield (1924, p. 22-28); Green (1972, p. 133-134); INAC (1981, p. 244)
27	GREY COPPER HILL	Vein Ag Pb Zn	106 D 6	7	INAC (1981, p. 240) INAC (1985, p. 234)
28	CARPENTER	Work Target	106 D 6	9	Cockfield (1925, p. 1-18)
29	ELLIOTT RIDGE	Vein Cu	106 D 6	7	Cockfield (1925, p. 1-18)
30	SILVER HILL	Vein Ag Pb Zn	106 D 6	7	Cockfield (1925, p. 1-18); Green (1972, p. 133)
31	SETTLEMEIR	Deleted: no information			
32	ROYAL	Deleted: no information			
33	ZULPS	Vein Cu	106 D 9	7	
34	McCLUSKY	Vein Cu	106 D 9	2	
35	GRAY	Work Target	106 D 16	9	Findlay (1969a, p. 16)
36	NEW JERSEY	Work Target	106 D 16	9	Findlay (1969a, p. 16)
37	PAGISTEEL	Breccia Fe	106 D 16	5	INAC (1982, p. 195)
38	AHEARNE	Work Target	106 D 15	9	Green (1972, p. 139); INAC (1983, p. 179, 181) Green (1972, p. 143)
39	FRAN	Vein Fe	106 D 15	7	
40	FORD	Vein Cu Pb	106 D 16	7	
41	SLATS	Vein Cu	106 D 16	7	
42	JEE	Deleted: no information			
43	DRESEN	Vein Cu	106 D 9	7	
44	FOUND	Vein Cu	106 D 16	7	INAC (1982, p. 198)
45	BUT	Vein Cu	106 D 16	7	
46	NAT	Vein Pb Ag Zn Cu	106 D 3	7	INAC (1982, p. 198)
47	BRAINE	Vein Ag Pb Zn Cu	106 D 7	5	INAC (1987, p. 296)
48	BOND	Work Target	106 D 10	9	Green (1972, p. 139)
49	LINGHAM	Vein Pb Zn	106 D 11	7	
50	NEWT	Vein Pb Zn	106 D 11	7	
51	SIHOTA	Vein Cu Zn	106 D 14	7	
52	CLOUTIER	Vein Pb Zn Ag Cu Au	106 D 7	7	
53	SLAB	Work Target	106 D 16	9	Findlay (1969b, p. 17-18)
54	LOUTE	Vein Cu	106 D 9	7	
55	EATON	Deleted: same as #67 PIKE			
56	CORD	Stratabound Concordant Pb Zn	106 D 16	6	INAC (1982, p. 196, 198)
57	ZAP	Vein Ag Pb Zn	106 D 8	7	INAC (1981, p. 241)
58	J.T.	Vein Ag Pb Zn	106 D 3	7	INAC (1983, p. 179-181)
59	ARCOTOS	Wernecke Breccia U Cu Co Ag Au	106 D 16	7	INAC (1982, p. 196-197)
60	RAD	Wernecke Breccia U Cu Au	106 D 16	7	INAC (1982, p. 197)
61	URSUS	Wernecke Breccia U Cu Ag	106 D 16	7	INAC (1982, p. 197)

62 SPRING	Work Target	106 D 3	9	INAC (1981, p. 244)
63 DEAL	Work Target	106 D 3	9	INAC (1981, p. 244)
64 FACE	Occurrence U Cu Ag	106 D 16	7	INAC (1982, p. 197-198)
65 ADOB	Work Target	106 D 16	9	INAC (1982, p. 195, 198)
66 HAIL	Occurrence U	106 D 16	7	INAC (1982, p. 195)
67 PIKE	Vein, Wernecke Breccia Au U Cu	106 D 16	9	INAC (1987, p. 296-298); This Report
68 SNOW STAR	Occurrence U	106 D 16	7	INAC (1982, p. 195)
69 ROD	Vein Ag Pb	106 D 1	6	INAC (1986, p. 154)
70 BLUE LITE	Skarn W	106 D 1	6	INAC (1981, p. 243-244); INAC (1986, p. 158)
71 BOZO	Work Target	106 D 10	9	Sinclair et al (1976, p. 62)
72 KNUCKLE	Work Target	106 D 16	9	Morin et al (1977, p. 125)
73 BAG	Work Target	106 D 1	9	Morin et al (1980, p. 13)
74 JAZ	Work Target	106 D 9	9	Morin et al (1979, p. 43)
75 PITCH	Work Target	106 D 16	9	Morin et al (1979, p. 44)
76 SER	Work Target	106 D 16	9	Morin et al (1979, p. 45)
77 KATHY	Work Target	106 D 1	9	Morin et al (1980, p. 14)
78 LEEN	Work Target	106 D 1	9	INAC (1982, p. 198)
79 D. BURKE	Work Target	106 D 3	9	INAC (1982, p. 198);
80 SHARON	Work Target	106 D 3	9	INAC (1982, p. 198);
81 BREFAULT	Work Target	106 D 3	9	INAC (1982, p. 198);
82 KISS	Work Target	106 D 3	9	INAC (1982, p. 198)
83 COLLEEN	Work Target	106 D 4	9	INAC (1982, p. 198)
84 SAM	Work Target	106 D 4	9	INAC (1982, p. 198)
85 FOHU	Deleted: no information	106 D 16	9	INAC (1982, p. 198)
86 FANCY	Work Target	106 D 11, 6	9	INAC (1983, p. 179, 181)
87 NDM	Work Target	106 D 3	9	INAC (1985, p. 232)
88 MIXE	Work Target	106 D 3	9	INAC (1986, p. 158)
89 ESS	Work Target	106 D 2	9	INAC (1986, p. 158)
90 KING	Work Target	106 D 3	9	INAC (1986, p. 158)
91 FIREWEED	Work Target	106 D 3	9	INAC (1986, p. 158)
92 MICHELLE	Work Target	106 D 3	9	INAC (1986, p. 158)
93 WON	Work Target	106 D 3	9	INAC (1986, p. 158)
94 WILL	Work Target	106 D 2	9	This Report
		106 D 3	9	This Report

MARG  
All-North Resources Ltd

Copper, Lead, Zinc, Silver,  
Gold, Volcanogenic Massive  
Sulphide  
106 D 1 (3)  
64°01'N, 134°28'W

References: INAC (1986, p. 163)

Claims: TUDL 1-32

Source: Summary by T. Bremner of assessment report 091922 by R.J. Cathro (Archer, Cathro and Associates (1981) Ltd).

#### Description:

Laminated supergene oxides and massive sulphides containing copper, lead, zinc, silver and gold occur within Mississippian metavolcanic rocks correlative with the "Lower Schist" of the Keno Hill district. Three mappable units recognized on the property form a conformable sequence, striking 300° and dipping 50° SW.

The basal "Chlorite Unit" consists of chloritic grit and quartzite derived from andesitic volcanic flows and pyroclastic rocks. Irregular masses of gabbro on the property are probable feeder dykes and sills associated with the volcanic rocks. The middle "Graphite Unit" consists of graphitic phyllite interbedded with chloritic phyllite and feldspathic quartzite; the latter two are interpreted as meta-tuffs. The uppermost "Quartzite Unit" consists of finely-laminated chloritic quartzite with minor limestone and phyllite layers.

#### Current Work and Results:

The 1965-67 grid was re-surveyed in 1986, and 294 soil samples and five water and silt samples were taken. Twenty-two additional soil and 31 rock samples were collected from blast trenches. Water samples were analysed for 24 metals. All other samples were assayed for gold and analysed for 30 other elements. The geochemical survey outlined a number of strong multi-element anomalies up to 360 m long, some of which appear to be offset by faults trending north-northeast.

Geological mapping in 1986 established that all geochemical anomalies, gossans, mineralized float and bedrock exposures on the property occur within the "Graphite Unit".

Delta Geoscience Ltd carried out VLF-EM, HLEM and magnetic surveys over the entire grid. Test IP and resistivity surveys were also done on 5 lines. The HLEM survey outlined numerous conductive phyllite horizons which occur in the footwall of the mineralized zones and outline folds and faults in the area.

Eight hand trenches were excavated in 1986. Laminated limonite float assaying up to 110 g/t Ag, 4% Pb, 1.3% As and 0.8 g/t Au was uncovered 200 and 500 m east of mineralized bedrock exposed in a 1984 trench. Due to the almost complete leaching of sulphides from the float these assay values are most likely pessimistic.

**RAMBLER**  
 Canadian Reserve Oil and Gas Ltd  
 Silver Spring Mines Ltd

Ag, Pb, Zn Vein  
 106 D 3 (10)  
 64°85'N, 135°12'W  
 1976

**References:** INAC (1985, p. 234); Green (1971, p. 63)

**Claims:** DOG 47 & 49

**Source:** Summary by T. Bremner of assessment report 091696 by A.W. Goring and F.W. Plut.

**Current Work and Results:**

In 1976, 1330.1 m of rotary drilling was done on the RAMBLER vein. Forty-six closely spaced holes ranging in length from 15 to 60 metres were drilled with a westerly dip of 25 to 45 degrees.

The lithology consists of interbedded greenstone, dark grey graphite schist, white sericite schist and grey quartzite underlying 3.0 m of overburden.

Samples representative of successive 1.5 m intervals were taken in each drillhole from the base of overburden to total depth. Each sample was analysed for lead, zinc and silver. Anomalous samples in 28 of the drillholes were then assayed for the same metals. Most of the assays returned low values. However significant showings occurred in two of the drillholes, the best intersection being 238.4 g/t Ag, 9.84% Pb and 0.08% Zn over 1.5 m in hole #KT-2.

**PIKE**  
 Wernecke Joint Venture

Gold, Uranium, Copper Vein/  
 Breccia  
 106 D 16, 106 E 1 (67)  
 1987

**References:** Sinclair et al (1976, p. 63); INAC (1987, p. 296)

**Claims:** PIKE 8-14

**Source:** Summary by T. Bremner of assessment report 092090 by W.D. Eaton (Archer, Cathro and Associates (1981) Ltd).

**Current Work and Results:**

Hand trenching in 1987 was directed toward finding the source of gold-bearing quartz vein material in the southernmost of two mineralized float trains after the 1986 discovery of specimens containing up to 30% gold by volume. Trench J exposed bedrock near the uphill end of the float train, revealing a 5 to 15 cm wide quartz vein which strikes 100 deg. and dips 68 deg. south. Like the mineralized float, the quartz vein contained hematite and feldspar, but no brannerite or gold was evident. A radioactive halo in chloritized siltstone surrounding the vein gave scintillometer readings of two to ten times background. Samples of the vein and the chloritized siltstone returned background values of gold, as did pan concentrates and soil samples taken near bedrock in the trench. Trenches F, G and K which were cut directly downhill from Trench J all contained gold-bearing float or soil horizons. The gold source is postulated to be a small, totally eroded pod or lens associated with the quartz vein in Trench J.

**6. CAMERON (PAUL)**

Archer, Cathro and Associates  
(1981) Ltd  
106 D 2, 3  
64°06'N, 134°59'W

Claims: LARK 1-113

**15. PESO (REX)**

J. Moreau, H. Boudreau  
106 D 4  
64°01'N, 135°58'W

Claims: PIERRE 23-96

**46. NAT**

J. Strebchuk  
106 D 3  
64°04'N, 135°15.5'W

Claims: NEW IRENE 1-2

**59. ARCTOS**

697895 Ontario Ltd  
106 D 16  
64°57'N, 134°20'W

Claims: WITZ 1-40

**64. FACE**

697895 Ontario Ltd.  
106 D 16  
64°52'N, 134°19'W

Claims: LEX 1-8

**79. D.BURKE**

P. Solowonuk, T. Kachnic  
106 D 3  
64°00'N, 135°19'W

Claims: JANE 1-6, TM 1-8

**80. SHARON**

L. Halonen  
106 D 3  
64°02'N, 135°21.5'W

Claims: CRAIG 1-6

**88. MIKE**

M. Fersovich, W. Koleba  
106 D 3  
64°04'N, 135°11'W

Claims: MATT 1-16, LUKE 1-4

**91. FIREWEED**

M. Gorjanc  
106 D 3  
64°04'N, 135°21'W

Claims: ARIES 1-4

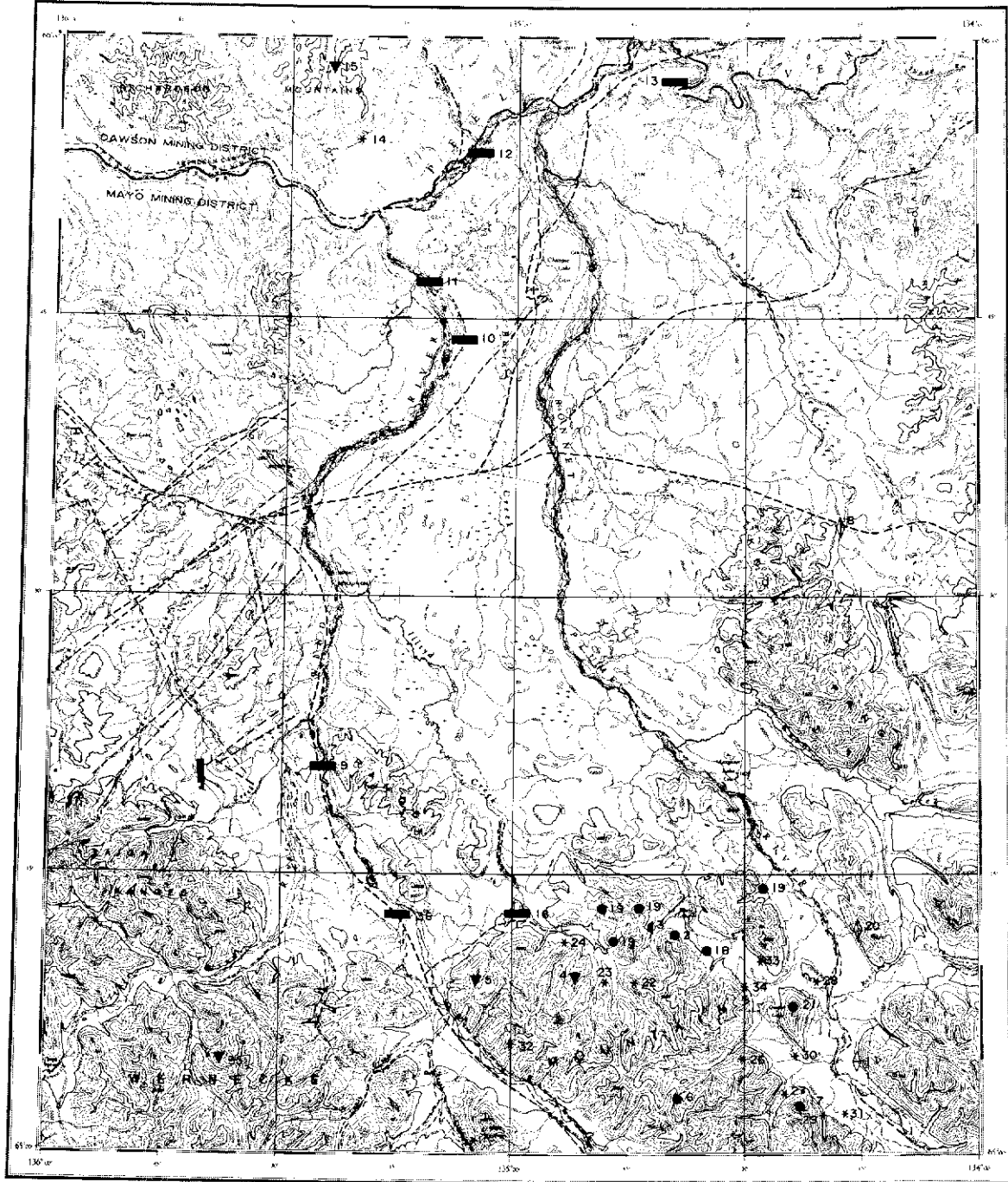
**94. WILL**

J. O'Neill  
106 D 3  
64°13.5'N, 135°22'W


Claims: WILL 1-8

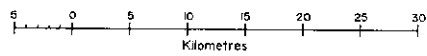









WIND RIVER  
YUKON TERRITORY

 Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).

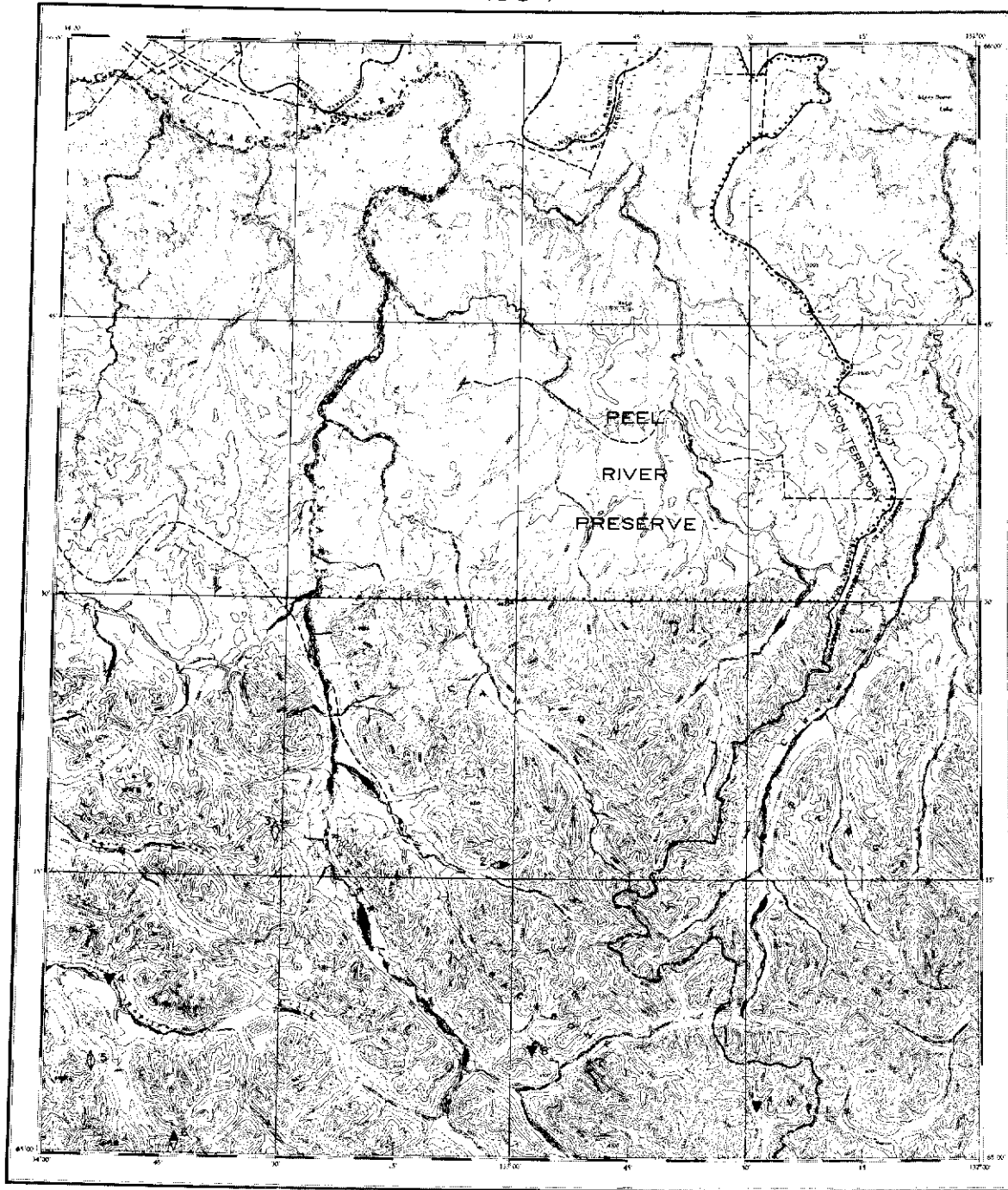


 Tote Trail.  
 Driveable Road.  
 Airstrip.

## WIND RIVER MAP-AREA (NTS 106 E)

General References: GSC Open File 715 by D.K. Norris, 1980;  
GSC Map 1528A by D.K. Norris, 1982c;  
GSC Geochem Open File 518, 419 and 420.

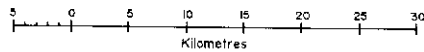
NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 IRENE	Vein, Replacement U Cu	106 E 1	7	Blusson (1976, p. 132)
2 GREMLIN	Breccia Cu Ag	106 E 2	7	INAC (1983, p. 183-185)
3 CHLOE	Occurrence Pb Zn	106 E 2	7	
4 FLUNK	Stratabound Discordant Zn Pb	106 E 2	5	Sinclair <i>et al</i> (1976, p. 65-67)
5 FORSTER (MST)	Stratabound Discordant Pb Zn	106 E 3	7	Sinclair <i>et al</i> (1975, p. 67-68); Morin <i>et al</i> (1977, p. 133)
6 IGOR	Wernecke Breccia Cu U	106 E 2	7	INAC (1983, p. 183, 184)
7 MAGIC	Work Target	106 E 3	9	Sinclair <i>et al</i> (1975, p. 69)
8 HENDRY (DTS)	Vein Pb Zn Cu	106 E 9	7	Sinclair <i>et al</i> (1975, p. 63-64)
9 PRONGS, BONNET PLUME COALFIELD	Coal	106 E 6	7	Camsell (1907, p. 28); McKinney (1985)
10 CHAPPIE	Coal	106 E 11	7	Camsell (1907, p. 27-30)
11 BASIN	Coal	106 E 14	7	Camsell (1907, p. 27-30)
12 SAINVILLE	Coal	106 E 14	7	Camsell (1907, p. 41-46)
13 LOPSTICK	Coal	106 E 15	7	Camsell (1907, p. 41-46)
14 ONCE	Work Target	106 E 14	9	Sinclair <i>et al</i> (1975, p. 86-87)
15 TUKU	Stratabound Discordant Zn Pb	106 E 14	6	Sinclair <i>et al</i> (1975, p. 87)
16 SLATER	Coal	106 E 2	7	
17 OTIS	Wernecke Breccia U	106 E 1	7	INAC (1981, p. 246-247)
18 SCYLLA	Wernecke Breccia U	106 E 2	7	INAC (1981, p. 247)
19 DEER	Wernecke Breccia U	106 E 1, 2	7	Morin <i>et al</i> (1980, p. 18-20)
20 BEV	Vein Zn Pb	106 E 1	7	Sinclair <i>et al</i> (1976, p. 63)
21 WERNECKE	Wernecke Breccia Cu U	106 E 1	7	Morin <i>et al</i> (1980, p. 17)
22 YOGI	Work Target	106 E 2	9	Morin <i>et al</i> (1980, p. 21)
23 JEANETTE	Work Target	106 E 2	9	Sinclair <i>et al</i> (1976, p. 70)
24 WINDY	Work Target	106 E 2	9	Sinclair <i>et al</i> (1976, p. 71)
25 CUS	Deleted: no information			
26 MARTET	Work Target	106 E 2, 1	9	Morin <i>et al</i> (1977, p. 128-129)
27 THORIUM	Work Target	106 E 1	9	Morin <i>et al</i> (1977, p. 128)
28 MTR	Work Target	106 E 1	9	Morin <i>et al</i> (1979, p. 48)
29 ORION	Work Target	106 E 1	9	Morin <i>et al</i> (1979, p. 45-46)
30 GSTD	Work Target	106 E 1	9	Morin <i>et al</i> (1979, p. 46)
31 POLARIS	Work Target	106 E 1	9	Morin <i>et al</i> (1979, p. 47)
32 TAR	Work Target	106 E 2	9	Morin <i>et al</i> (1980, p. 20)
33 RIN	Work Target	106 E 1	9	Morin <i>et al</i> (1980, p. 18)
34 RAPI	Work Target	106 E 2, 1	9	Morin <i>et al</i> (1979, p. 49)
35 LWR	Stratabound Discordant, Vein Pb Zn	106 E 4	7	INAC (1983, p. 183-185)
36 AIRSTRIP	Coal	106 E 3	2	Nat. Min. Inv., 106 E, COL 2



PEEL RIVER PRESERVE  
YUKON TERRITORY



Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



- Tote Trail.
- Driveable Road.
- A Airstrip.

## SNAKE RIVER MAP-AREA (NTS 106 F)

General References: GSC Open File 715 by D.K. Norris, 1980;  
 GSC Map 1529A by D.K. Norris, 1982d;  
 GSC Geochem Open File 518.

NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	VYE	Stratabound Discordant Zn	106 F 1	7	
2	CREST	Stratabound Concordant Fe	106 F 6	2	Green and Godwin (1963, p. 15-18); Yeo (1986); This Report
3	HOME	Vein Zn	106 F 5	7	
4	PLAINS (KEN)	Stratabound Discordant Zn	106 F 4	6	Sinclair <u>et al</u> (1976, p. 73)
5	YUK	Vein, Replacement Pb Zn	106 F 4	7	Sinclair <u>et al</u> (1976, p. 73)
6	VOLE	Vein Co Cu Ag	106 F 4	7	INAC (1982, p. 203)
7	LAURA	Work Target	106 F 2	7	Morin <u>et al</u> (1977, p. 134)
8	BUH	Stratabound Discordant Zn Pb	106 F 2	6	Morin <u>et al</u> (1977, p. 134)

**CREST**  
Crest Exploration Ltd

Iron Formation  
106 F 2, 3, 6, 7 (2)  
65°10-15'N, 132°15'-133°20'W  
1963

**References:** INAC (1985, p. 31-32)

**Claims:** 493 iron and mica claims.

**Source:** Summary by W.P. LeBarge from assessment report 091697 by R.A. Stuart et al.

**History:**

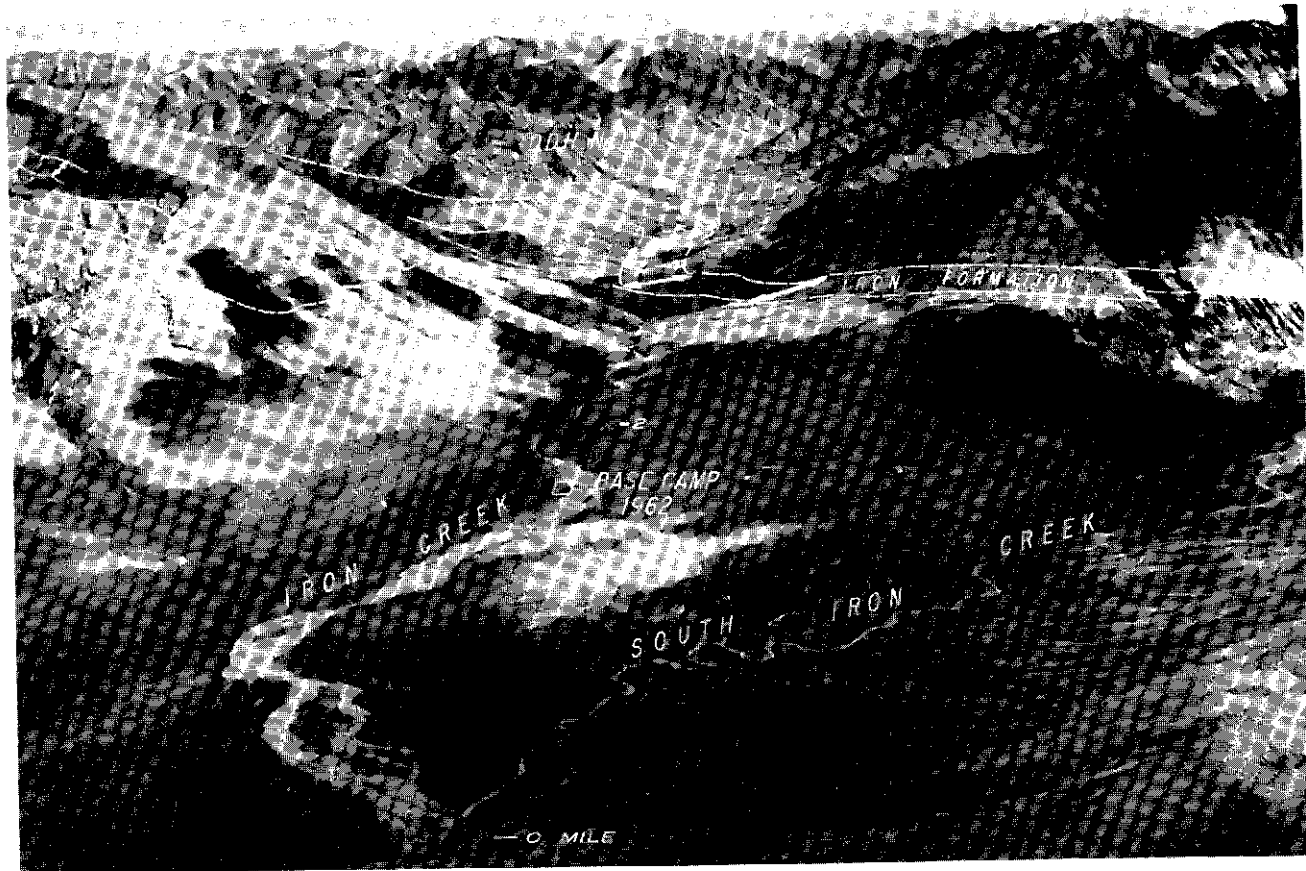
The Snake River Iron Deposit was discovered by geologists of the California Standard Company during regional oil and gas exploration in August of 1961. In June and July of 1962, 862 claims were staked, 493 in the Yukon. These claims were subsequently acquired by Crest Exploration Ltd, a subsidiary of Standard Oil of California, and they remain in good standing to the present day.

**Description:**

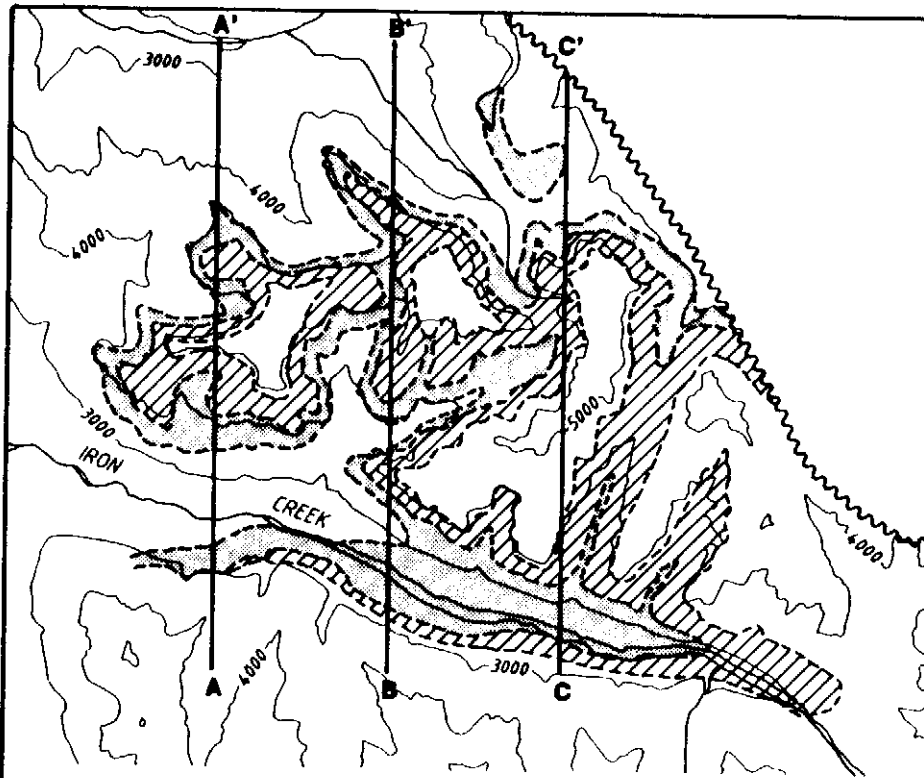
The Snake River Iron Deposit is a sedimentary iron deposit of 60%-90% fine grained hematite with associated jasper lenses and nodules. Sandstone and conglomerate bands form 15 to 25% of the ore zone, a part of the Proterozoic Rapitan Group. The formation varies in thickness from 30.5 to 107.3 m, and it is well exposed in an area 48 to 64 km across.

**Current Work and Results:**

In July, 1962 an extensive program of exploration and ore reserve delineation was undertaken. This program included geologic mapping, geophysical surveys (ground and aeromagnetic), geochemical sampling and assaying, topographic base map construction, beneficiation testing, airstrip construction and feasibility studies. The work outlined reserves of 5.46 billion tonnes at less than a 1:1 stripping ratio, and up to 18.2 billion tonnes at slightly higher stripping ratios. Average iron content is 46% with 25% silica and 0.35% phosphorous. The lack of access to the property and the high percentages of silica and phosphorous in the ore have made this immense deposit uneconomic to date. Although the claims remain in good standing, no work has been done since the mid 1960's.




General view of Iron Creek in the western part of the Snake River deposit. Much of the preliminary work was done here because large tonnages could be mined by open pits. The upper and lower contacts of the iron formation are outlined. Arrows, transverse to the contacts, show where channel samples were taken. The numbers along Iron Creek are spaced at one-mile intervals to show horizontal scale. Local relief in the area is about 3000 feet.

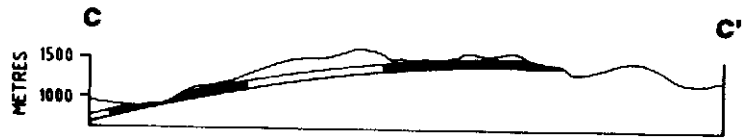
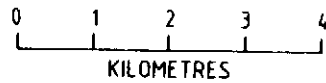


**LEGEND**

 EXPOSED

 STRIPPABLE AT LESS THAN 1:1

6 BILLION TONS AVAILABLE AT STRIPPING RATIO OF 0.2:1



 MINEABLE ORE

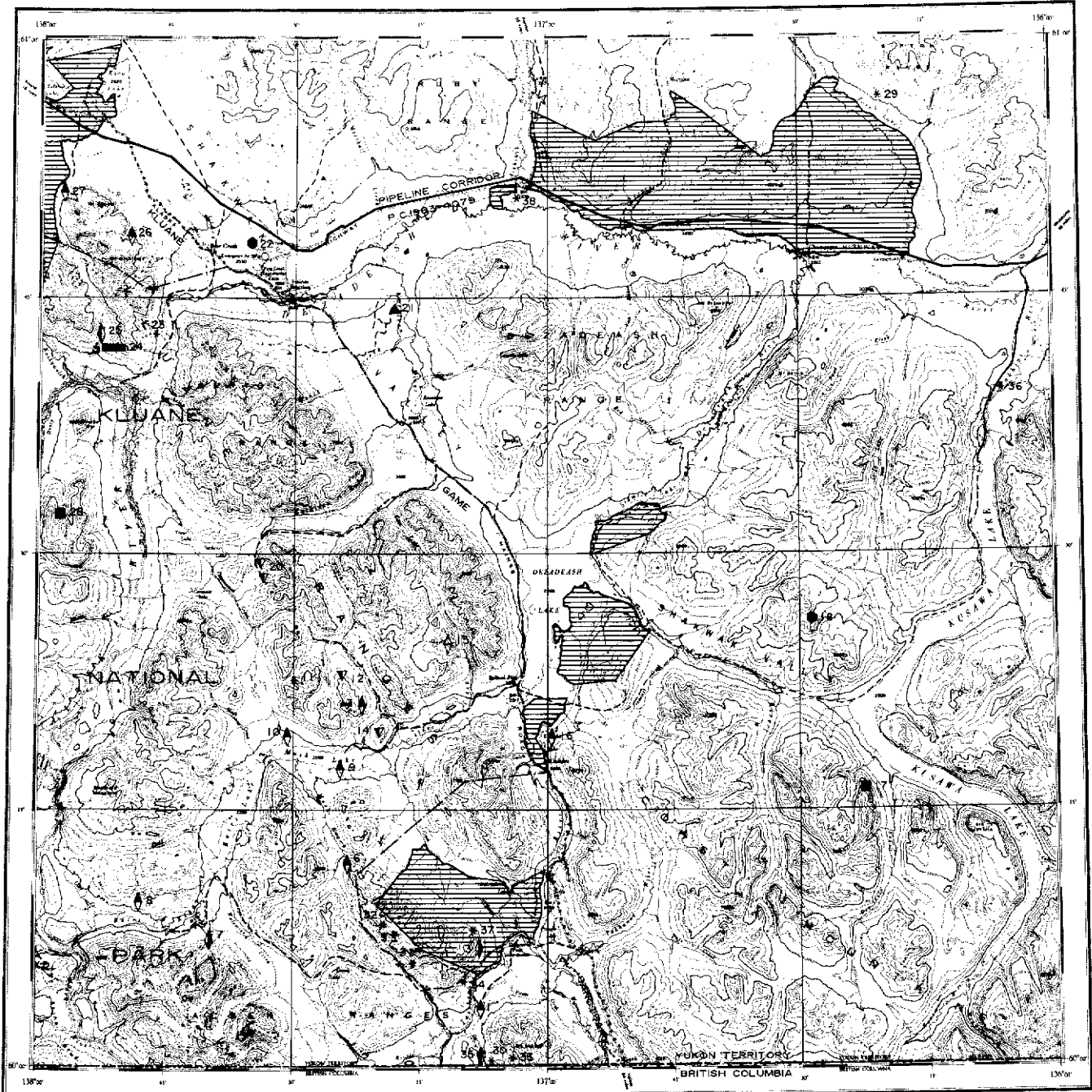
**PROFILES**

**OPEN PIT ORE - IRON CREEK BLOCK**

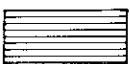
FROM ASSESSMENT REPORT 091697  
BY W.G. WAHL



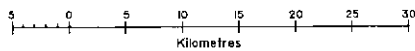




DEZADEASH  
YUKON TERRITORY



Lands withdrawn from staking  
due to Native Land Claims  
(see specific claim map for  
accurate location and  
additional sites of withdrawal).



Tote Trail.



Driveable Road.



Airstrip.

## DEZADEASH MAP-AREA (NTS 115 A)

General References: GSC Map 1019A and Memoir 268 by E.D. Kindle, 1952;  
GSC Open File 831 by R.B. Campbell and C.J. Dodds, 1982c.

NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	JACKPOT	Vein Cu	115 A 3	5	Findlay (1969b; p. 43-44); Sinclair and Gilbert (1975, p. 72); INAC (1985, p. 241)
2	DALTON	Deleted: no information			
3	KANE	Vein Ag Pb	115 A 3	5	INAC (1986, p. 166-168); This Report
4	CHICKALOON	Deleted: no information			
5	PHOTO	Work Target	115 A 3	9	Findlay (1969a, p. 74)
6	MUSH	Vein Cu	115 A 3	7	Skinner (1961, p. 37-38)
7	BATES	Vein Ag Pb	115 A 4	6	Kindle (1953, p. 56)
8	FENTON	Vein Cu	115 A 4	7	
9	CAVE	Stratabound Concordant Cu Vein Ag Cu	115 A 6	7	
10	SHAFT	Vein Cu	115 A 5	7	
11	BELLOUD	Work Target	115 A 6, 5	9	Kindle (1953, p. 49-50, 55)
12	HUSKY	Stratabound Discordant Cu	115 A 6	7	
13	WREN	Vein Cu	115 A 6	7	
14	KEL	Stratabound Discordant Cu	115 A 6	7	
15	SHORTY	Breccia U	115 A 6	7	Kindle (1953, p. 49, 55)
16	KLUKSHU	Vein Cu	115 A 7	7	
17	DEVILHOLE	Porphyry Cu Mo Pb	115 A 8	7	
18	KUSAWA	Skarn Cu	115 A 8	7	
19	MILLHOUSE	Deleted: no information			
20	JOHOB0	Stratabound Discordant	115 A 5	3	Findlay (1967, p. 55); Kirkham (1971, p. 85)
21	REX	Asbestos	115 A 11	2	Findlay (1967, p. 55); Sinclair and Gilbert (1975, p. 73)
22	ELGIN	Skarn Cu	115 A 13	7	
23	STRIDE	Work Target	115 A 12	9	Kindle (1953, p. 56)
24	SUGDEN	Coal	115 A 12	7	Kindle (1953, p. 58)
25	FERGUSON	Vein Au	115 A 12	7	Bostock (1936b, p. 12); Bostock (1937, p. 11)
26	DECOELI	Vein Cu, Asbestos	115 A 13	7	
27	KLOO	Vein Cu	115 A 13	5	Findlay (1967, p. 54)
28	SOUTHER	Porphyry Cu Mo	115 A 12	7	Souther and Stanciu (1975, p. 66-70)
29	SIFTON	Work Target	115 A 16	9	INAC (1981, p. 251)
30	CHARLIE	Work Target	115 A 3	9	INAC (1982, p. 205)
31	KID	Work Target	115 A 3	9	INAC (1983, p. 189; 1986, p. 171)
32	CYPR10T	Work Target	115 A 3	9	INAC (1985, p. 241)
33	BEAT	Work Target	115 A 3	9	INAC (1986, p. 171)
34	JILL	Work Target	115 A 3	9	INAC (1986, p. 171)
35	BURGER KING	Vein Au	115 A 3	7	INAC (1987, p. 306)
36	NAGY	Work Target	115 A 9	9	INAC (1986, p. 171)
37	WIL	Work Target	115 A 3	9	INAC (1986, p. 170)
38	MARIA	Work Target	115 A 14	9	INAC (1987, p. 306)

**21. REX**

Archer, Cathro and Associates  
(1981) Ltd  
115 A 11, 14  
60°15'N, 137°20'W

Claims: HOPE 1-72

**22. ELGIN**

R. Stack  
115 A 13  
60°48'N, 137°37'W

Claims: C.J. 1-4; ELLEN 1-5 FR

**26. DECOELI**

B. Lueck  
115 A 13  
60°48'N, 137°51'W

Claims: GREEN 1-154

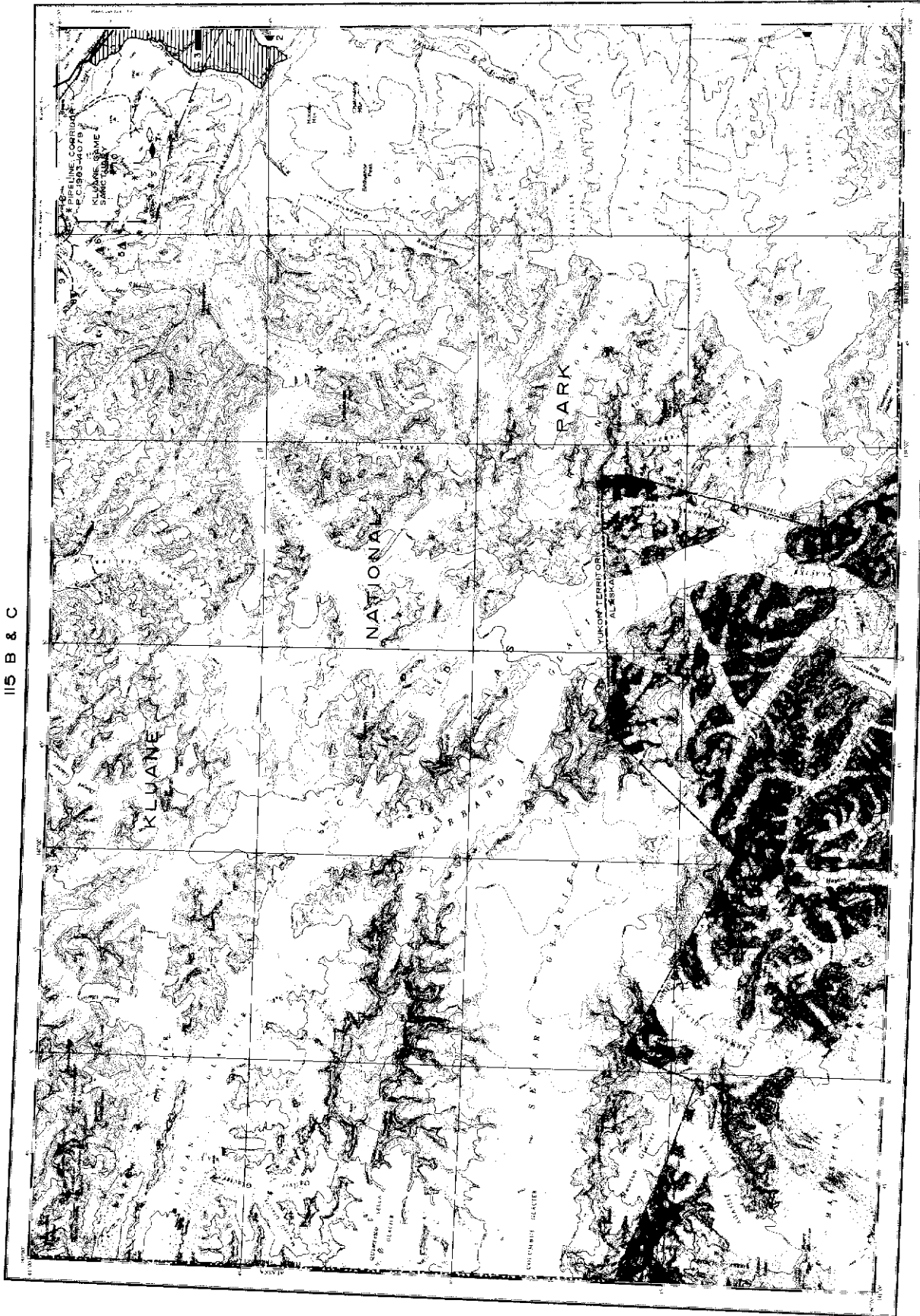
**27. KL00**

R. Stack  
115 A 13  
60°52'N, 138°55'W

Claims: HJ 1-10, 49-58

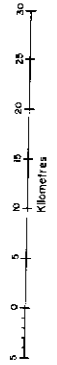


115 B & C



**MOUNT ST. ELIAS**  
YUKON TERRITORY

Lands withdrawn from staking  
are shown with hatching.  
(See specific claim map for  
accurate location and  
additional sites of withdrawal.)



- Tele. Trail
- Drivable Road
- Airstrip

## MOUNT ST. ELIAS MAP-AREA (NTS 115 B-C)

General References: GSC Map 1143A by J.O. Wheeler, 1963;  
GSC Open File 830 by R.B. Campbell and C.J. Dodds, 1982b.

NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	PLUG	Occurrence Cu Ag	115 B 1	7	
2	KASKAWULSH	Occurrence Cu Ag	115 B 9, 16	7	
3	KIMBERLEY	Coal	115 B 16	7	Kindle (1952, p. 58)
4	JARVIS	Work Target	115 B 16	7	McConnell (1905, p. 1-18)
5	DULUTH	Mafic/ultramafic-associated Ni Cu	115 B 15	7	
6	GIBBONS	Mafic/ultramafic-associated Ni Cu	115 B 15	7	
7	TELLURIDE	Stratabound Concordant	115 B 16	7	This Report
8	BULLION	Cu Pb Zn Ni Stratabound Discordant Gypsum Cu Pb	115 B 15	7	
9	SHEEP	Work Target	115 B 15	9	McConnell (1905, p. 1-18)
10	KUL	Work Target	115 B 16	9	INAC (1987, p. 309)
11	JENNIFER	Work Target	115 B 16	9	INAC (1987, p. 310)
12	SLIM	Work Target	115 B 16	9	This Report

TELLURIDE  
Gaymont Prospecting Syndicate

Copper, Zinc, Silver, Gold,  
Nickel, Stratabound  
Concordant  
115 B 16 (7)  
60°54'N, 138°15'W  
1955, 1956

References: No previous reference

Claims: CUB 1-51

Source: Summary by T. Bremner of assessment report 091722 by A.R. Clark.

#### Description:

Massive sulphide boulders weighing up to 13.7 tonnes were discovered in Cub Creek in 1955. Geophysical surveys in 1956 defined a northwest-trending resistivity low beneath more than 91.4 m of coarse glacial overburden. Three gravity profiles failed to show any change across the conductive zone. The anomaly was tested by three diamond drillholes totalling 107.9 m. All of the drillholes failed to reach bedrock due to broken casing.

TELLURIDE (SUGAR)  
Reed Creek Joint Venture

Work Target  
115 B 16 (7)  
60°54'N, 138°15'W  
1987

References: No previous reference

Claims: SUGAR 1-25

Source: Summary by T. Bremner of assessment report 092100 by W.D. Eaton.

#### History:

The SUGAR claims were staked in 1987 to cover part of an ultramafic sill which hosts nickel, copper and platinum group elements on the adjacent ULTRA property. Kuroko-type banded copper-lead-zinc float, and massive copper-nickel float were reported in till from the lower part of Telluride Creek by the Geological Survey of Canada in 1904. Gaymont Prospecting Syndicate staked the first hard rock claims in the area in 1955 and discovered the Froberg showing, source of the massive copper-nickel float, on the present ULTRA property. The area was very active between 1955 and 1969, with five separate ventures exploring the area on Lower Telluride Creek for the source of the banded sulphides. Work included prospecting, numerous geophysical surveys, soil geochemistry and shallow drilling. In 1977 Archer, Cathro and Associates restaked the area for Aquitaine and located the source of the banded sulphide float, a small eroded lens in the cirque at the head of Telluride Creek on the present ULTRA property. The area was inactive between 1977 and 1987.

#### Description:

Two ultramafic sills of Lower to Middle Triassic age intrude Pennsylvanian andesitic pyroclastic rocks and Lower Permian phyllite and limestone along the Duke River Fault. One of the sills consists of serpentinite, the other is dunite with pyroxenite, serpentinite and gabbro phases. Minor amounts of pyrite and pyrrhotite occur in most units on the property and traces of malachite occur in narrow shears on the margins of the ultramafic bodies.

#### Current Work and Results:

Fifty-two soil and 38 rock samples were taken during reconnaissance prospecting in 1987. Up to 1880 ppm Ni and 620 ppm Cu were obtained downslope from the dunite sill, along with platinum group and gold values up to 2.5 ppb Pt, 65 ppb Pb and 10 ppb Au. A fractured volcanic rock containing visible malachite returned over 2% Cu but low nickel and precious metal values.

**7. TELLURIDE**

Archer, Cathro and Associates  
(1981) Ltd  
115 B 16  
60°53'N, 138°15'W

Claims: ULTRA 1-20, SUGAR 1-25

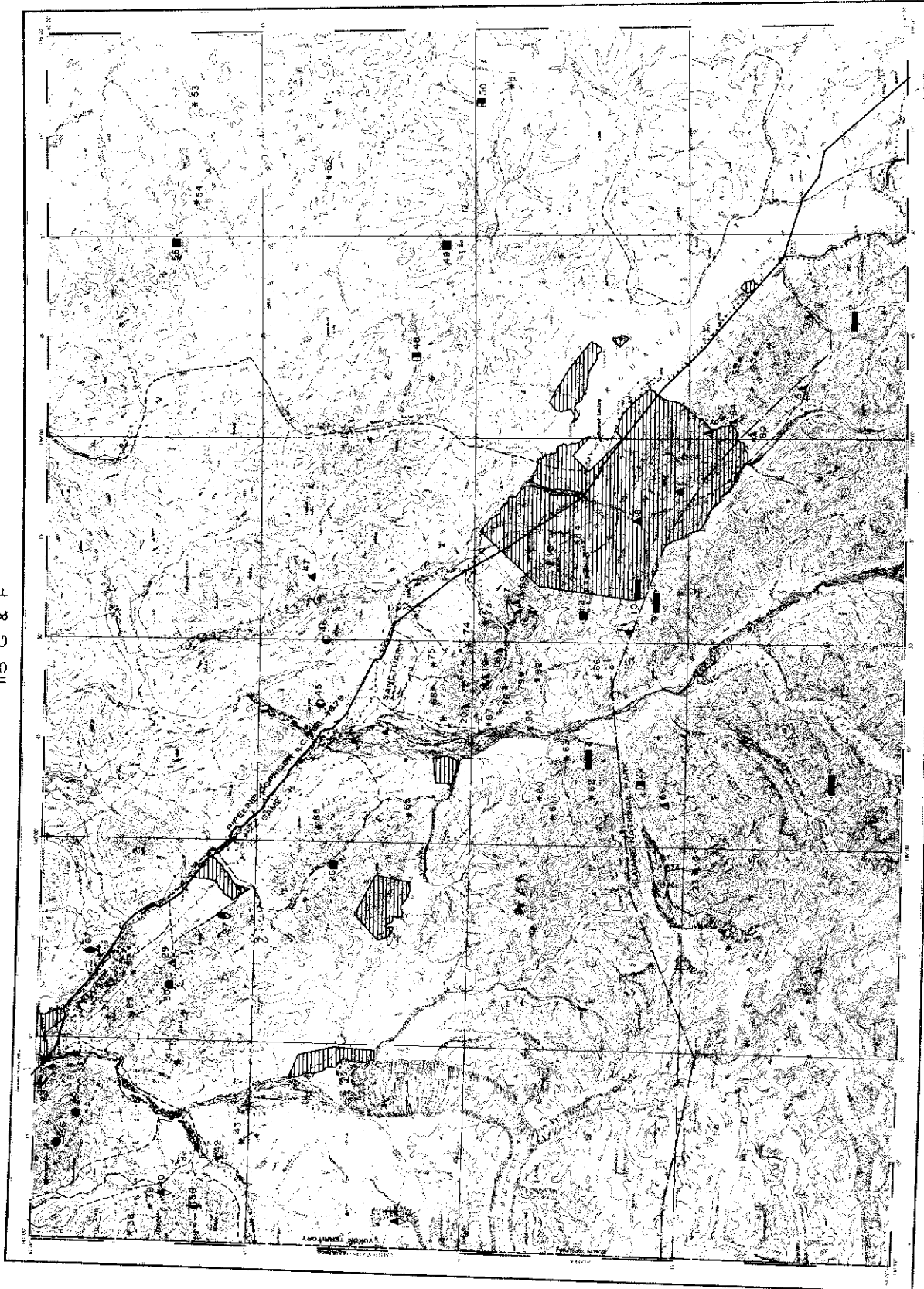
**12. SLIM**

B. Lueck, P. Langevin  
115 B 16  
60°59'N, 138°15'W

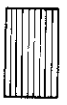
Claims: SLIM 1-10, 20-27



115 G & F



Lands withdrawn from staking  
due to Native Land Claims  
are indicated on map for  
additional sites of withdrawal.



--- Total Trail  
--- Drivable Road  
--- Airstrip



KLUJANE LAKE  
YUKON TERRITORY

## KLUANE MAP-AREA (NTS 115 F-6)

General References: GSC Map 1177A and Memoir 340 by J.E. Muller, 1967;  
GSC Open File 829 by R.B. Campbell and C.J. Dodds, 1982a;  
GSC Geochem Open File 1362.

NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	METALLINE	Work Target	115 G 2	9	McConnell (1905, p. 18)
2	STOVE	Coal	115 G 2	7	Muller (1967, p. 113-114)
3	CONGDON	Mafic/ultramafic-associated Ni Cu	115 G 2	7	Sinclair and Gilbert (1975, p. 66-67)
4	MULLER	Coal	115 G 4	7	Muller (1967, p. 112)
5	DICKSON	Mafic/ultramafic-associated Ni Cu Co	115 G 2	7	
6	DESTRUCTION	Mafic/ultramafic-associated Ni Cu	115 G 2	6	This Report
7	WINDGAP	Asbestos	115 G 6	7	Craig and Laporte (1972, p. 153-154)
8	DUKE	Asbestos	115 G 6	7	
9	HOGGE	Coal	115 G 6	7	Muller (1967, p. 113-115)
10	AMPHITHEATER	Coal	115 G 6	7	Muller (1967, p. 113-115)
11	WADE	Occurrence Cu Ag	115 G 6	7	INAC (1987, p. 314-315)
12	CORK	Porphyry Cu Mo	115 G 6	5	INAC (1981, p. 256; 1987, p. 315-316)
13	GLEN	Volcanic-hosted Au Cu	115 G 6	7	INAC (1986, p. 178-179; 1987, p. 315-316)
14	BURWASH	Work Target	115 G 6	9	Cairnes (1915b, p. 31)
15	JACQUOT	Stratabound Discordant	115 G 6	7	Kirkham (1971, p. 85); Craig and Laporte (1972, p. 103)
16	QUILL	Stratabound Discordant	115 G 6	5	Findlay (1969a, p. 70-72); Kirkham (1971, p. 85); INAC (1986, p. 179)
17	LINDA	Ultramafic-associated Ni Cu PGE	115 G 6	7	This Report
18	WELLGREEN	Ultramafic-associated Ni Cu PGE	115 G 5	3	Eckstrand (1972, p. 82-82); Sinclair and Gilbert (1975, p. 64-65); Campbell (1976)
19	AIRWAYS	Ultramafic-associated Cu Ni	115 G 5	5	INAC (1983, p. 193, 195; 1986, p. 179); This Report
20	MUSKETEER	Ultramafic-associated Cu Ni	115 G 12	7	This Report
21	CEMENT	Coal	115 G 5	7	McConnell (1905, p. 18); McConnell (1906, p. 19-26)
22	ST. ELIAS	Porphyry Mo	115 G 5	7	Skinner (1961, p. 36)
23	SHARPE	Work Target	115 F 1	9	Muller (1967, p. 112)
24	GALLOPING	Work Target	115 F 1	9	Skinner (1961, p. 36)
25	ICEFIELD	Work Target	115 F 1	9	Skinner (1961, p. 36)
26	GARLIC	Porphyry Cu Mo Au	115 F 9	7	INAC (1983, p. 193-194)
27	LIBERTY	Vein, Replacement Cu Ni	115 F 16	7	
28	DUENSING	Work Target	115 F 16	9	
29	CATS AND DOGS	Ultramafic-associated Cu Ni	115 F 16	7	INAC (1983, p. 193, 195); This Report
30	MEXICO	Skarn Cu	115 F 16	7	
31	PICKHANDLE	Work Target	115 F 16	9	Kirkham (1971, p. 85)
32	SEVENSMA	Work Target	115 F 15	9	
33	CANALASK	Ultramafic-associated Ni Cu PGE	115 F 15	2	Findlay (1969b, p. 39); Eckstrand (1972, p. 81-82); Sinclair and Gilbert (1975, p. 60-61); This Report
34	EPIC	Vein Cu Mo	115 F 15	7	
35	TAYLOR	Skarn Cu Mo	115 F 15	7	
36	SANPETE	Skarn Cu Fe	115 F 15	7	Craig and Milner (1975, p. 7-38)
37	HUMP	Work Target	115 F 15	9	Johnston (1915, p. 193)
38	MEMOIR	Work Target	115 F 15	9	Cairnes (1915b, p. 141)
39	MCLENNAN	Work Target	115 F 15	9	Cairnes (1915b, p. 141)
40	RABBIT	Vein Cu	115 F 15	7	Cairnes (1915b, p. 123-124)
41	LEP	Work Target	115 F 15	7	Craig and Milner (1975, p. 38-39)
42	WHITE RIVER	Stratabound Discordant Cu	115 F 15	6	Sinclair et al (1975, p. 138-139); INAC (1982, p. 210; 1985, p. 247)
43	SHARE	Deleted: no information			
44	KLETSAN	Vein Cu	115 F 10	7	Moffit and Knopf (1910, p. 51-57); Findlay (1969b, p. 42)
45	ELEVENTHIRTY	Skarn W Cu	115 G 12	7	Bostock (1952, p. 40)
46	KENNEDY	Skarn W Cu	115 G 12, 11	7	Bostock (1952, p. 40)
47	TINCUP	Asbestos	115 G 11	7	INAC (1981, p. 256)
48	BROOKS	Porphyry Mo	115 G 10	7	Muller (1967, p. 112-113)
49	TALBOT	Porphyry Cu	115 G 10	7	INAC (1981, p. 256)
50	RAFT	Porphyry Mo W	115 G 8	7	INAC (1981, p. 256)
51	ROCKSLIDE	Work Target	115 G 8	9	Muller (1967, p. 112-113); INAC (1982, p. 210)
52	DWARF	Work Target	115 G 9	9	Sinclair and Gilbert (1975, p. 70-71)
53	BIRCH	Work Target	115 G 16	9	Craig and Milner (1975, p. 83)
54	BRUMMER	Work Target	115 G 16	9	Craig and Milner (1975, p. 85-86)
55	RHYOLITE	Porphyry Cu Mo	115 G 15	7	Craig and Milner (1975, p. 83, 87)
56	NICK	Mafic/ultramafic-associated Ni Cu	115 G 5	7	
57	KOIDERN (M)	Work Target	115 F 16	9	Morin et al (1977, p. 165)
58	CAN	Vein Au Cu	115 F 15	7	INAC (1985, p. 246-247)
59	BOCK	Work Target	115 G 2	9	INAC (1985, p. 247)

60	MAR	Work Target	115 G 5	9	INAC (1986, p. 177)
61	NORTH C	Work Target	115 G 5	9	INAC (1985, p. 247)
62	SOUTH C	Work Target	115 G 5	9	INAC (1985, p. 247)
63	EAST C	Work Target	115 G 5	9	INAC (1985, p. 247)
64	SJ	Work Target	115 G 5, 12	9	INAC (1985, p. 247)
65	YMX	Work Target	115 G 12	9	IN/C (1985, p. 247)
66	WADE CREEK	Work Target	115 G 5	9	INAC (1985, p. 247)
67	PICK	Vein Au Ag	115 F 16	7	INAC (1986, p. 179);
68	KELLI	Work Target	115 G 12	9	INAC (1987, p. 316-317)
69	ONION	Ultramafic-associated	115 F 15	9	INAC (1987, p. 318)
		Ni Cu PGE		7	INAC (1987, p. 318); This Report
70	I	Work Target			
71	ARCH	Deleted: same as #18 WELLSGREEN	115 G 2	9	INAC (1987, p. 318); This Report
72	ORO	Deleted: same as #20 MUSKETEER			
73	ARBY	Work Target			
74	SWEDE	Work Target	115 G 6	9	INAC (1987, p. 318)
75	ROSE	Work Target	115 G 12	9	INAC (1987, p. 318); This Report
76	SELL	Delete: same as #68 KELLI			
77	ODD	Delete: same as #68 KELLI			
78	PLATA	Work Target	115 G 12	9	INAC (1987, p. 319)
79	ARNOLD	Work Target	115 G 5	9	INAC (1987, p. 319)
80	DUKE SOUTH	Deleted: same as #78 PLATA			
		Ultramafic-associated	115 G 2	7	This Report
		Cu Ni PGE			
81	RIDGE	Work Target	115 F 15	9	This Report
82	MAC	Work Target	115 G 5	9	This Report
83	HAZEL	Work Target	115 F 15	9	This Report
85	DON	Work Target	115 G 5	9	This Report
86	WON	Work Target	115 G 5	9	This Report
87	MISSY	Work Target	115 F 16	9	This Report
88	SAL	Work Target	115 G 6	9	This Report
89	WASH	Work Target	115 G 12	9	This Report
		Ultramafic-associated	115 G 6	7	This Report
		Ni Cu PGE			
90	TONY	Work Target	115 G 2	9	This Report

**DESTRUCTION**  
Yukon Exploration Co.

Nickel, Copper  
Ultramafic-Associated  
115 G 16 (6)  
61°18'N, 138°12'W  
1953

**References:** No previous reference

**Claims:** RAM 1-72

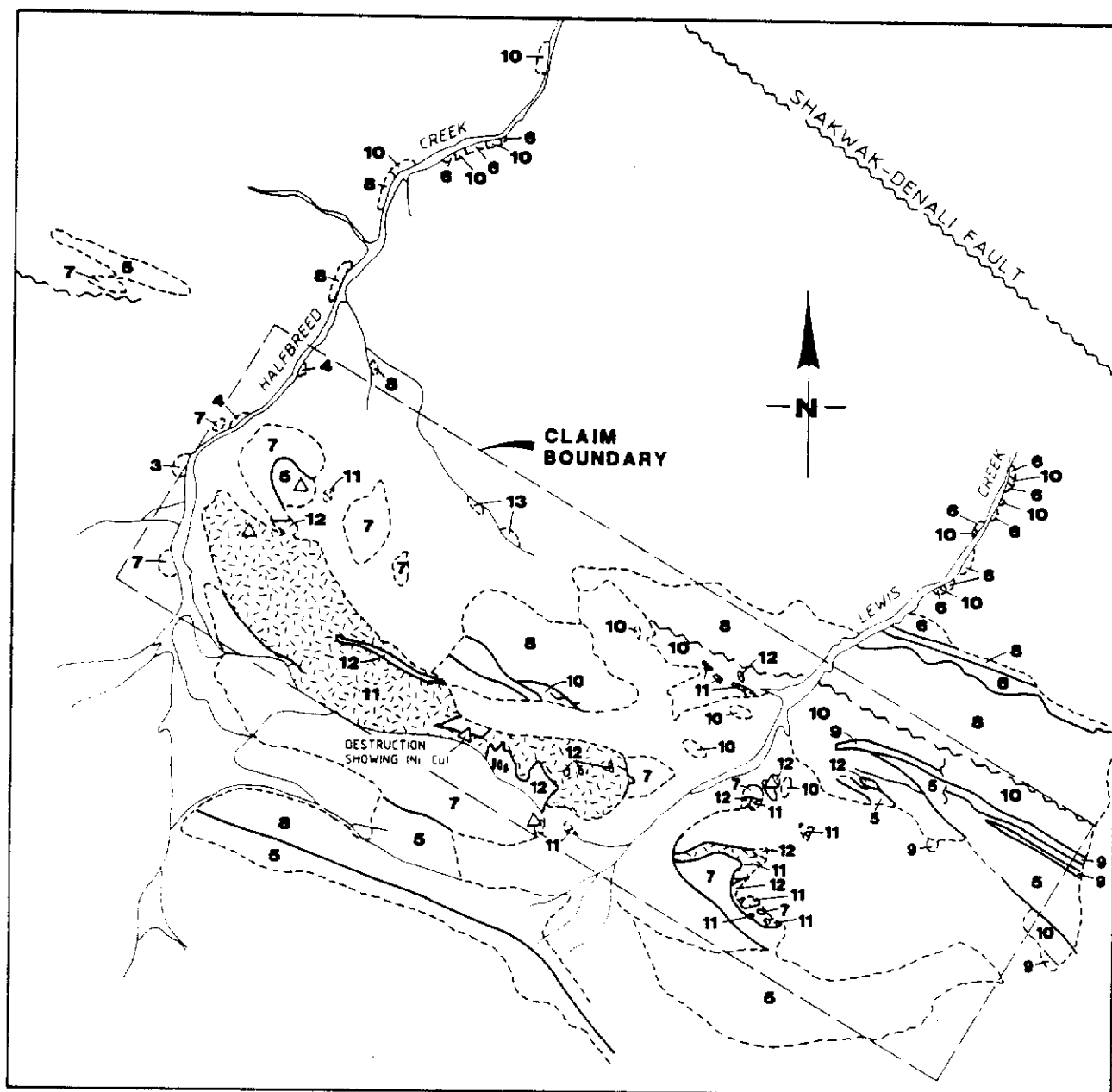
**Source:** Summary by T. Bremner of assessment report 091698 by J.R. Woodcock.

**Description:**

Copper and nickel are reported in a Lower to Middle Triassic peridotite sill which intrudes Permian chert and chert conglomerate. Dark grey gabbro dykes and plugs occur within the peridotite intrusion or along the footwall. The intrusion strikes northwest and dips to the southwest. It appears conformable on a large scale but in detail it pinches and swells and locally crosscuts bedding. Pyrrhotite and chalcopyrite are disseminated in the peridotite and gabbro and occur as massive sulphides near the footwall of the intrusion.

**Current Work and Results:**

In 1953, detailed mapping and prospecting turned up two small massive sulphide showings, three small areas of disseminated sulphides and numerous small copper showings. A 20 by 50 cm lens of massive sulphide in grey gabbro on the south side of Lewis Creek assayed 2.5% Cu, 2.8% Ni, 0.29% Co and 6.5 g/t Pt. The gabbro carried disseminated sulphides for about 0.6 m on each side of the lens. A chip sample of the disseminated sulphides contained 0.7% Cu and 0.44% Ni over 0.6 m. Irregular 5 cm x 15 cm lenses of massive sulphides surrounded by oxidized rusty zones up to 15 cm wide and 45 cm long were found in footwall chert on the ridge crest between Lewis and Halfbreed Creeks. A specimen containing chert and massive sulphide assayed 1.1% Cu and 0.78% Ni. Disseminated sulphides were found at widely scattered locations associated with brown mica alteration of the host peridotite. The main copper showing was found near Halfbreed Creek in highly epidotized pyroclastic rock. Bornite is disseminated through a small outcrop and chalcopyrite occurs in 1 cm thick lenses occupying fractures.



### LEGEND

#### TERTIARY

- 3** Volcanics - lavas and pyroclastics  
**4** Sediments - conglomerate, sandstone, lignite

#### MESOZOIC & PALEOZOIC VOLCANICS

- 5** Coarse & fine pyroclastics, andesite  
**6** Greenish and redish andesite

#### SEDIMENTS

- 7** Permian - chert, chert conglomerate, quartzite  
**8** Argillite and black limy slate  
**9** Massive limestone  
**10** Undifferentiated sediments - thinly-bedded black limestone, chert, slate

#### INTRUSIVES

- 11** Black fine-grained peridotite  
**12** Grey coarse-grained gabbro  
**13** Rhyolite

— Ridge or Divide

~ Fault

--- Contact

△ Sulphide Showing

### HALFBREED CREEK PROPERTY (RAM CLAIMS)

DETAILED GEOLOGY FROM ASSESSMENT REPORT  
091698 BY J.R. WOODCOCK 1953

LINDA  
 Rockridge Mining Corp.  
 Kluane Joint Venture  
 2001 Resource Industries Ltd

Nickel, Copper, PGE  
 Ultramafic-Associated  
 115 G 6 (17)  
 60°27'N, 139°25'W  
 1987

References: Findlay (1969a, p. 70-72); Kirkham (1971, p. 85)

Claims: KLU 1-71

Source: Summary by T. Bremner of assessment report 092008 by R.J. Cathro (Archer, Cathro and Associates (1981) Ltd).

#### History:

Yukon Mining Co. Ltd staked the JEEP claims in the Linda Creek drainage in 1952. Hudson Bay Mining and Smelting Co. optioned the property, conducting prospecting, mapping and geophysical surveys in 1953. After drilling four holes in 1953-54 Hudson Bay allowed the claims to lapse. P. and H. Versluce restaked the property in 1965. Quill Creek Mines Ltd was formed in 1966 to develop the property in conjunction with a copper showing in Triassic volcanics on adjoining claims to the south. Newmont optioned the property and carried out mapping and sampling in 1967-68. The claims were again optioned in 1972 by the Nickel Syndicate, which carried out mapping, sampling and bulldozer trenching in the same year. The KLU claims were staked in 1987 as a result of renewed interest in the platinum potential of the area.

#### Description:

Copper, nickel and platinum group elements occur in serpentized peridotite and gabbro of Lower to Middle Triassic age. The ultramafic rocks form a large sill offset by faulting from a similar sill which hosts the Wellgreen deposit, 5 km to the northwest. The sill intrudes Pennsylvanian pyroclastic rocks and Permian argillite, greywacke, limestone and conglomerate. Disseminated chalcopyrite and pyrrhotite occur near the sill margins and massive to disseminated sulphides occur in faulted or fractured wallrocks near the ultramafic contact.

#### Current Work and Results:

In 1987 the western half of the property was explored by grid geochemistry, VLF-EM, proton magnetometer and gradiometer surveys accompanied by geological mapping, prospecting and rock sampling. A control survey tied the grid onto the main Wellgreen grid.

The magnetic survey proved useful in mapping the ultramafic rocks beneath overburden. Northeast-trending magnetic lows offsetting the general east-west trend of magnetic anomalies are interpreted as major faults along which alteration has destroyed the magnetic susceptibility of the rock. The VLF survey highlighted major east-west trending faults which cross the property.

Isolated conductors with short strike length may represent sulphide concentrations.

A total of 633 soil samples were analysed for platinum, palladium, gold, nickel and copper. Platinum and palladium anomalies in soil generally coincided with high nickel and copper values. The strongest and largest anomaly (400 ppb Pt) led to the discovery of a new area of mineralized float named the TEX showing, which occurs at the head of a creek near the east end of the grid. Sulphides occur as disseminations and fracture fillings in sheared and quartz-carbonate altered peridotite intruding andesitic tuff. A grab sample returned 0.99 g/t Pt, 0.93 g/t Pd, 0.18% Ni and 0.33% Cu. Another geochemical anomaly is underlain by a large landslide which occupies the central part of the property and appears to have originated from the northeast corner of the claims. A composite peridotite grab sample from the toe of the slide returned 0.34 g/t Pt, 0.61 g/t Pd, 0.27% Ni and 0.12% Cu.

Five other previously-known showings were examined and sampled in 1987. The best results were obtained from the UPPER showing which outcrops 1.5 km upstream on the southwest side of Linda Creek. A vertical east-trending shear zone in siltstone and altered gabbro hosts three 1 m lenses of massive pyrrhotite and chalcopyrite, and disseminated sulphides, limonite and patchy malachite and azurite over a strike length of 12 m and a width of 1.3 m. Two chip samples 3 m apart returned 2.2 g/t Pt, 1.6 g/t Pd, 1.80% Ni and 1.02% Cu over 1.3 m, and 0.99 g/t Pt, 0.71 g/t Pd, 0.66% Ni and 0.41% Cu over 1.1 m.

AIRWAYS, MUSKETEER  
Pak-Man Resources Inc.  
Rockridge Mining Corporation  
Kluane Joint Venture

Copper, Nickel, PGE  
Ultramafic-Associated  
115 G 6 (19, 20)  
60°27'N, 139°25'W  
1987

**References:** No previous reference

**Claims:** BARNY 1-50; MUS 1-16; AMP 1-10; EUGENE 1-44

**Source:** Summary by T. Bremner of assessment Report 092007 by R.J. Cathro (Archer, Cathro & Associates (1981) Ltd).

**History:**

The present ARCH property covers two old mineral occurrences known as AIRWAYS and MUSKETEER. The AIRWAYS occurrence was staked in 1952 as the ENGER etc. claims by a syndicate of Prospectors Airways Ltd, Noranda Mines Ltd and Kerr Addison Gold Mines Ltd. Mapping, geophysical surveys and 143 m of drilling were done between 1953 and 1955. The property was restaked in 1964 by J. Brown.

The MUSKETEER occurrence was staked as the adjoining MUSKATEER and DONJEK claims in 1952 by Teck Exploration Co. and Conwest Exploration Ltd respectively. Both companies performed mapping and prospecting in 1953, followed up by magnetic, EM and resistivity surveys on the MUSKATEER block in 1955.

In 1966, P. Verslucé and C. Gibbons restaked both occurrences. Geophysical surveys, mapping, trenching and road building were carried out between 1967 and 1970. In 1972 the Nickel Syndicate optioned both properties and conducted more mapping geochemical and geophysical surveys and trenching. W. Green restaked the AIRWAYS occurrence in 1976 and performed some hand trenching between 1977 and 1980.

In 1986, Archer, Cathro and Associates (1981) Ltd acquired the present property, on behalf of Kluane Joint Venture, by staking and option. Pak-Man Resources Inc. and Rockridge Mining Corp. optioned the property from Kluane Joint Venture in the same year and funded the 1987 exploration program.

### Description:

Nickel, copper and platinum group elements occur in disseminated and massive sulphides in gabbro associated with a large lens-shaped body of serpentinized peridotite which outcrops north of Arch Creek. The ultramafic body is about 750 m long and over 100 m wide, and lies on trend with similar ultramafic sills of Lower to Middle Triassic age which host the WELLGREEN deposit. Host rocks consist of siliceous tuff andesite and volcanic breccia of the Pennsylvanian Station Creek Formation.

### Current Work and Results:

A former grid was rehabilitated, extended and tied into the WELLGREEN grid in 1987. This was followed by mapping, prospecting, geochemical, VLF and proton magnetometer and gradiometer surveys and trenching. A total of 750 m of trenching was done on the AIRWAYS, FW and CONDIE showings, exposing 500 m of bedrock. The latter two are new showings inferred from 1972 data and uncovered during the 1987 program.

The AIRWAYS showing consists of a narrow band of massive pyrrhotite and chalcopyrite 1.5 m wide and 10 m long, covered by overburden at both ends. A 1.5 m chip sample assayed 1.8 g/t Pt, 3.2 g/t Pd, 2.51% Ni, 0.57% Cu and 0.07 g/t Au. Disseminated sulphides which are exposed over a 45 x 20 m area were chip sampled over 5 m, returning 0.41 g/t Pt, 0.55 g/t Pd, 0.36% Ni, 0.25% Cu and 0.07 g/t Au.

The FW showing occurs in a creek cut 330 m northwest of the AIRWAYS showing. Disseminated pyrrhotite and chalcopyrite occur in a shear zone separating olivine gabbro from limestone and siliceous argillite. Intermittent mineralization extends over a strike length of 33 m and a width of 5 m. A grab sample of copper-stained, limonitic, sheared siliceous argillite assayed 5.6 g/t Pt, 2.1 g/t Pd, 0.34% Ni, 0.23% Cu and 0.62 g/t Au. Two mineralized float specimens were found in a trench midway between the FW and AIRWAYS showings, suggesting the mineralization may be continuous beneath overburden. The float specimens averaged 1.2 g/t Pt, 1.7 g/t Pd, 1.34% Ni and 0.84% Cu.



The CONDIE showing is a creek exposure of disseminated pyrrhotite and chalcopyrite in gabbro 220 m west of the FW showing. It occurs at the contact between the peridotite and limonitic quartzite. Several specimens returned 1.6 g/t Pt, 1.2 g/t Pd, 0.97% Ni, 0.38% Cu and 0.2 g/t Au. Another small showing was also located 110 m downstream from the main CONDIE showing at the lower margin of the sill.

The old MUSKETEER and CONWEST showings could not be located in 1987.

**MUSKETEER**  
Silverquest Resources Ltd

Nickel, Copper  
Ultramafic-Associated  
115 G 12 (20)  
61°31'N, 140°41'W  
1987

**References:** No previous reference

**Claims:** JEK 1-48

**Source:** Summary by T. Bremner of assessment report 092089 by W.D. Eaton (Archer, Cathro & Associates (1981) Ltd).

**History:**

The JEK claims were staked in 1987 to cover the projected extensions of ultramafic sills that host copper, nickel and platinum group elements at the former WELLGREEN mine 8 km to the southeast.

**Description:**

Malachite, chalcopyrite and pyrite occur as fracture fillings and disseminations in pyroclastic rocks of the Pennsylvanian Station Creek Formation.

**Current Work and Results:**

Only thirty-eight reconnaissance soil samples were taken in 1987. The samples contained background values of all 34 elements analysed. Three representative rock samples were also taken. A specimen of malachite-stained tuff contained 3400 ppm Cu, 220 ppm Ni, 57 ppm Co, 400 ppm Cr, 260 ppm Zn, 8 ppm Ag and 42 ppb Au.

**CATS AND DOGS**  
Silverquest Resources Ltd

Copper, Nickel  
Ultramafic-Associated  
115 F 16 (29)  
61°51'N, 140°19'W  
1987

**References:** INAC (1983, p. 193, 195)

**Claims:** CATS 1-12; DOGS 1-16; LIBERTY 1-12

**Source:** Summary by T. Bremner of assessment report 091994 by W.D. Eaton (Archer, Cathro and Associates (1981) Ltd).

#### **History:**

The property was originally staked in 1953 by Canalask Nickel Mines Ltd to cover an elongate aeromagnetic anomaly. A winter road was built to the property but the claims were allowed to lapse after a diamond drill program failed to penetrate the overburden. The property was restaked several times between 1966 and 1976 by a variety of owners, with bulldozer trenching being done in 1967 and 1969, and hand trenching in 1973-74. A thick blanket of frozen organic material and volcanic ash prevented any of these trenches from reaching bedrock. Western Mines Ltd optioned the property in 1975 and conducted mapping, a magnetic survey, geochemical sampling and hand trenching in 1975-76. The property was restaked by Kluane Joint Venture, (Chevron Minerals Ltd and All-North Resources Ltd) in 1986 and optioned to Silverquest Resources Ltd in 1987.

#### **Description:**

A highly sheared, fractured and serpentized peridotite sill of Lower to Middle Triassic age intrudes andesitic to dacitic tuff near the top of the Pennsylvanian Station Creek Formation. The sill and the enclosing tuff appear to be repeated by anticlinal folding. Several small copper showings occur within the tuff unit. These consist of pyrite, chalcopyrite, malachite and azurite disseminated through the rock and filling fractures. The best showing is a concordant layer 10 m long and 0.3 - 1.0 m wide containing 2 to 5% chalcopyrite. Traces of disseminated pyrite and pyrrhotite also occur in the ultramafic sill.

#### **Current Work and Results:**

Because of the thick volcanic ash cover, 1987 geochemical samples were taken only from the banks of streams cutting through the property. Fifteen rock and 150 soil samples were analysed for platinum and palladium and a variety of other metals. Many soil samples returned weakly to moderately anomalous platinum (20-50 ppb), palladium (20-35 ppb) and nickel (100-2520 ppm). Specimens of pyrite-, chalcopyrite- and malachite-bearing rock assayed up to 1.2% Cu but returned low values of Ni, Pt, Pd and Au.

Two peridotite samples from the sill, each containing about 2% disseminated pyrrhotite, were strongly anomalous in platinum, palladium and nickel, returning 3100 and 2200 ppm Ni, 75 and 137 ppb Pt and 160 and 103 ppb Pd respectively.

**CANALASK**  
Rockridge Mining Corp.  
Kluane Joint Venture

Nickel, Copper, PGE  
Mafic/Ultramafic-Associated  
115 F 15 (33)  
61°57'N, 140°32'W  
1987

**References:** Findlay (1969b, p. 39); Eckstrand (1972, p. 81-82); Sinclair and Gilbert (1975, p. 60-61)

**Claims:** MICRO 1-4, 6, 10-12; WENG 1-10 including fractions; CANA 1-6

**Source:** Summary by T. Bremner of assessment report 092009 by R.J. Cathro (Archer, Cathro and Associates (1981) Ltd).

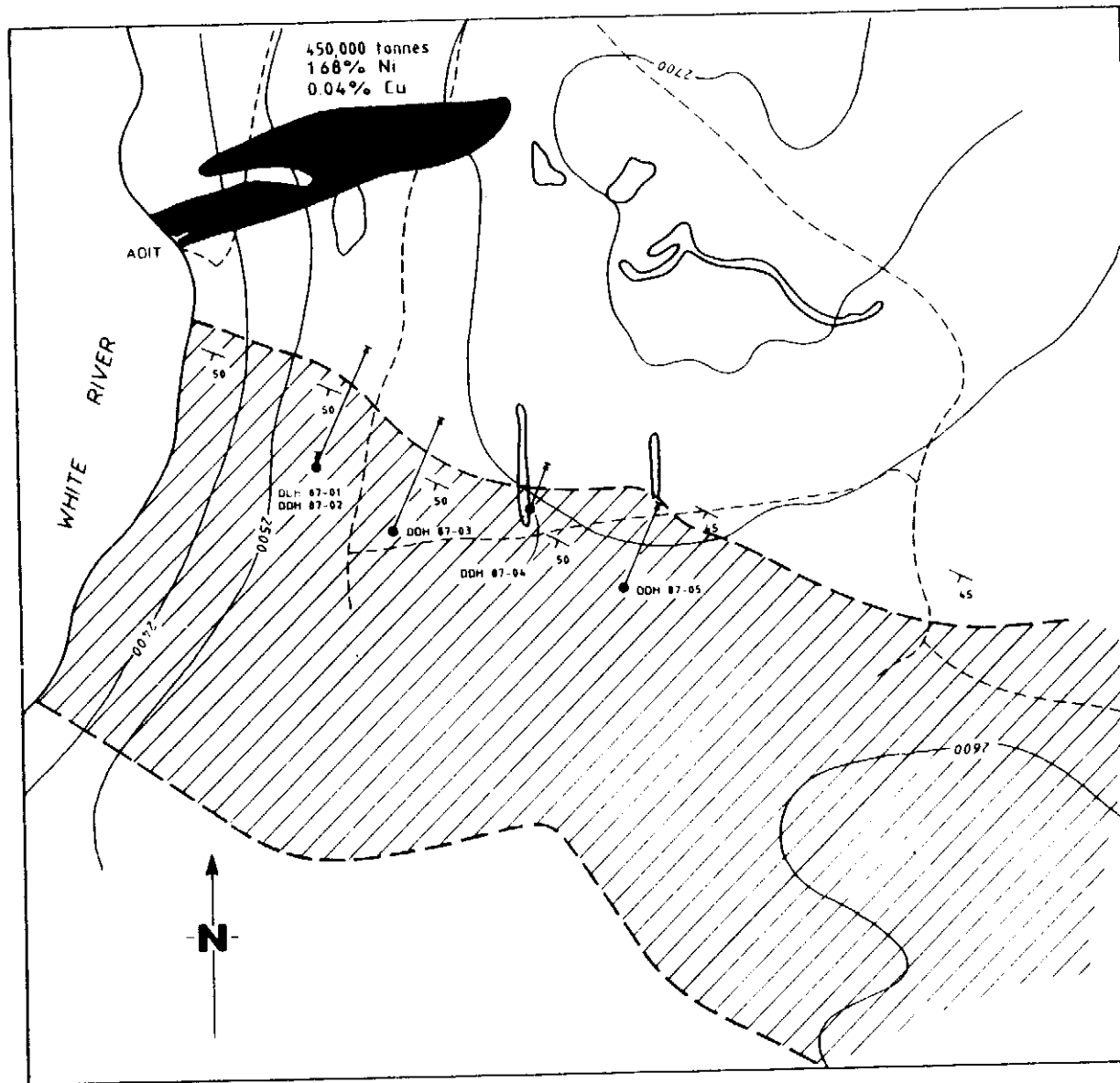
#### **Description:**

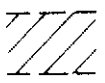




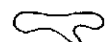
Copper, nickel and platinum group elements occur within albitized silicified tuff of the Pennsylvanian Station Creek formation. Pyrite, pyrrhotite, chalcopyrite and pentlandite are disseminated in bands and fill fractures within two parallel shatter zones in the footwall of a mafic-ultramafic sill about 110 m thick. Some mineralization also occurs as thin beds or lenses of massive sulphide. Surface and underground exploration in 1973 defined reserves of 450 000 tonnes grading 1.68% Ni and 0.04% Cu. A 1973 bulk sample returned a concentrate grade of 19.7% Ni, 1.02 g/t Pt and 0.65 g/t Pd.

#### **Current Work and Results:**

In 1987 the property was re-evaluated for its platinum potential. Work included 10 km of VLF-EM and gradiometer magnetic surveys, limited soil and rock sampling and five diamond drillholes totalling 602.9 m. Two 1972 trenches were deepened and chip sampled and four 1973 drillholes were also re-logged and sampled.

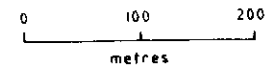
Most of the 1987 work was directed toward exploring the overburden-covered extension of the ultramafic sill east of the Canalask deposit. The two bulldozer trenches exposed the footwall contact of the sill. Chip samples from both trenches were anomalous in copper, nickel, platinum and palladium, returning values up to 0.41 g/t Pt, 11.65 g/t Pd, 0.11% Cu and 0.42% Ni over 3 m.

**LEGEND**

-  Approximate contact of ultramafic body inferred from magnetic data
-  Known reserves
-  Roads & bulldozer trails
-  Diamond drill hole
-  Strike & dip of VLF-EM conductor
-  Trench

**CANALASK PROPERTY**

GENERALIZED GEOLOGY FROM  
ASSESSMENT REPORT  
092009 by  
R. J. CATHRO



The drilling tested a strike length of 450 m east of the river. Drill logs revealed that the sill is mainly dunite. The footwall rock in the 1987 drillholes consists of interbedded quartzite and argillite rather than the interbedded tuff and limestone cored in the 1973 drillholes. Significant platinum group mineralization was confined a 3.05 m interval in DDH 73-7 which returned 0.45 g/t Pt, 1.37 g/t Pd, 0.94% Ni and 0.33% Cu from a gabbro phase at the footwall margin of the sill.

**ONION, CANALASK (IV)**  
(Adjoins ONION and CANALASK properties)  
Polestar Exploration Inc.

**Work Target**  
115 F 15, 16 (69,33)  
61°58'N, 139°45'W  
1987

**References:** INAC (1987, p. 318)

**Claims:** IV 1-20; V 1-36

**Source:** Summary by T. Bremner of assessment report 092092 by C.H. and J.H. Montgomery (Montgomery Consultants Ltd.).

**Description:**

The claims cover ultramafic rocks on the north and south side of the White River, on trend with the CANALASK copper-nickel-PGE prospect. The ultramafic rocks contain disseminated pyrite, pyrrhotite, minor chalcopyrite and anomalous concentrations of gold, platinum and palladium.

**Current Work and Results:**

In 1987, 232 rock samples and 383 soil samples were taken on a grid overlying the ultramafic body. A 700 x 100 m platinum-palladium soil anomaly was outlined on the north side of the river which returned values up to 88 ppb Pt and 46 ppb Pd. South of the river, three gold anomalies in rock and soil returned values up to 280 ppb Au, and six platinum-palladium anomalies returned values up to 204 ppb Pt and 365 ppb Pd.

**ONION**  
 Rexford Minerals Ltd  
 Kluane Joint Venture

Nickel, Copper, Gold  
 Ultramafic-Associated  
 115 F 15, 115 K 2 (69)  
 62°00'N, 150°37'W  
 1987

**References:** INAC (1987, p. 318)

**Claims:** ONION 1-25

**Source:** Summary by T. Bremner of assessment report 091995 by R.J. Cathro (Archer, Cathro and Associates (1981) Ltd.)

**History:**

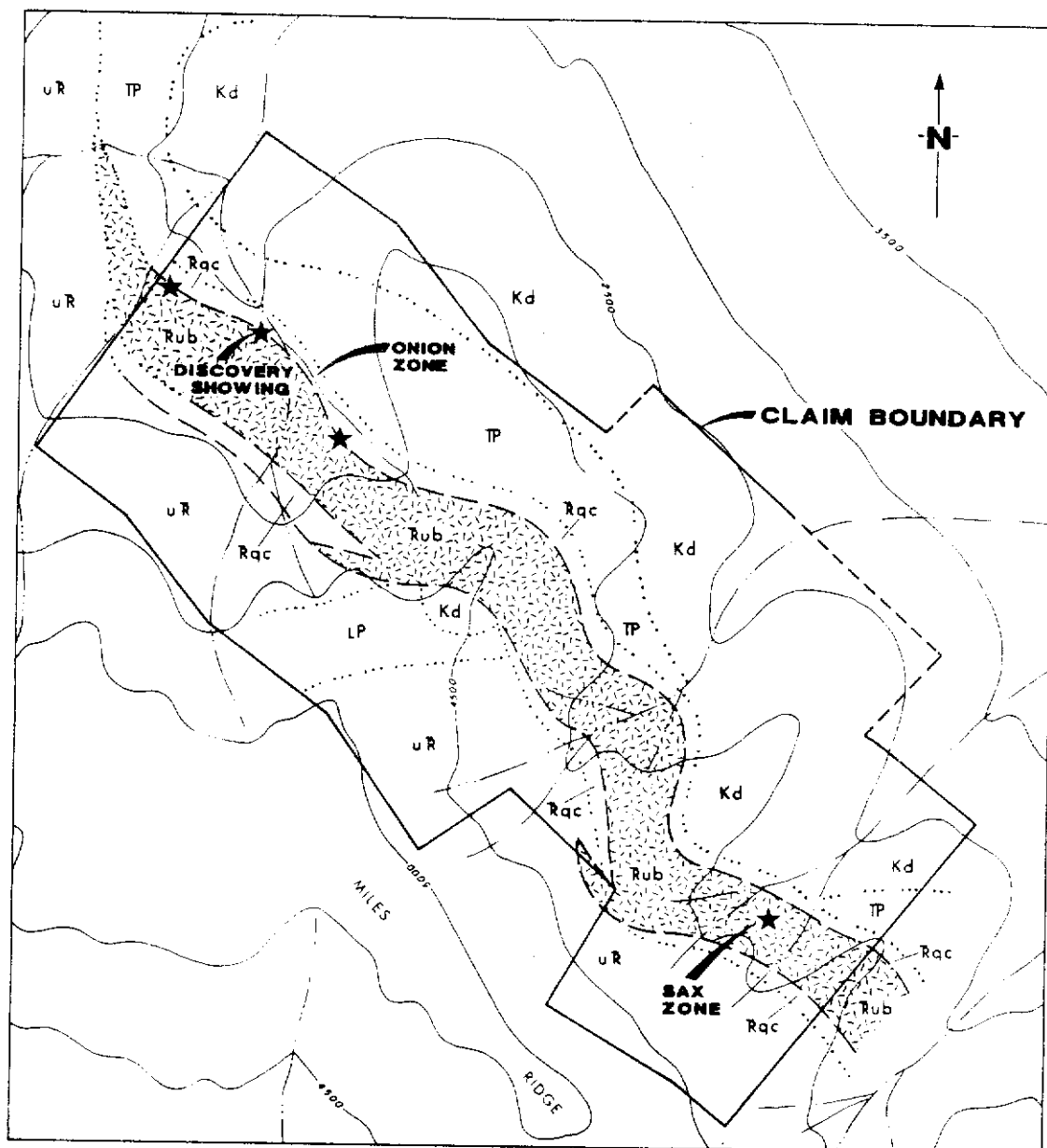
Originally staked as the BETH claims by Prospectors Airways in 1952, the property changed hands seven times between 1956 and 1969 when it was incorporated into the adjacent CANALASK property by P. Versluce and C. Gibbons. Early work consisted of prospecting, mapping, hand trenching and sampling. The ONION claims were staked by Archer, Cathro and Associates (1981) Ltd in 1986 on behalf of Kluane Joint Venture and were optioned to Rexford Minerals Ltd in 1987.

**Description:**

Nickel, copper and platinum group elements occur in a subvertical sill of largely serpentized peridotite, dunite, pyroxenite and hornblende gabbro which intrudes volcanic breccia and tuff of the Pennsylvanian Station Creek Formation. The sill extends 5 km southeast as far as the CANALASK copper-nickel deposit and is about 100 to 150 m thick. Extensive zones of quartz-carbonate alteration occur along both the hangingwall and footwall contacts. Four showings are known, three in an area around the head of Onion Creek referred to as the ONION zone and one 1500 m southeast referred to as the SAX zone. The central occurrence in the ONION zone is the Discovery showing. Mineralization described in early hand trenches on the Discovery showing consisted of 10 cm slabs of massive sulphides including pyrrhotite, pyrite, pentlandite, heazlewoodite and niccolite. An unpublished 1956 assay of a hand sample from the Discovery showing by the 1956 owners P. Johnson and W. Abraham ran 16.9% Ni and 18.9% Cu over 60 cm. Tetrahedrite, molybdenite, scheelite, fluorite, barite and galena were also reported to occur on the property, presumably in association with skarn and a variety of quartz veins and Oligocene porphyry dykes.

**Current Work and Results:**

In 1987, reconnaissance soil and rock samples were taken on a series of lines across the strike of the ultramafic sill. Platinum was found to be concentrated in two areas, each about 600 m long, corresponding to the DISCOVERY and SAX zones. Soil values up to 150 ppb Pt, 190 ppb Pd and 2800



**LEGEND**

CRETACEOUS

Kd hornblende diorite

TRIASSIC

uR Nikolai Group green and purple amygdaloidal basalt

R White River Ultramafic Complex  
ub peridotite, gabbro, dunite  
qc quartz carbonate

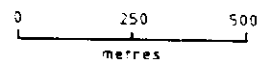
PERMIAN

LP Hasen Creek Formation  
limestone, argillite, siltstone

PENNSYLVANIAN

TP Station Creek Formation  
andesite, basalt, tuff, breccia

- — geological contact (mapped)
- ..... geological contact (inferred)
- ★ mineralization



**ONION PROPERTY  
(ONION CLAIMS)**

GENERAL GEOLOGY FROM  
ASSESSMENT REPORT  
091995 by  
R J CATHRO 1987

ppm Ni were obtained over the sill. Copper response in soil was highest over the quartz-carbonate alteration at the northeast margin of the sill, with values in the range 1500 to 2000 ppm.

The highest rock assays came from samples taken in and near the old Discovery Zone trenches. Limonitic float veined with sulphides assayed 400 ppb Pt, 1050 ppb Pd, 3.2% Ni, 0.65% Cu and 35 ppb Au. Peridotite and gabbro float with disseminated pyrrhotite contained up to 150 ppb Pt, 280 ppb Pd, 0.25% Ni, 0.06% Cu and 55 ppb Au. A 2 m hand pit was dug through layers of fine peridotite and gabbro talus interlayered with limonitic quartz-carbonate fragments and soil. Samples at 0.5 m intervals down the wall of the pit returned values of 240 to 820 ppb Pt, 520 to 1200 ppb Pd, 0.28 to 0.68% Ni, 0.15 to 0.30% Cu and 25 to 160 ppb Au.

A new occurrence was found 300 m along strike to the southeast, where a specimen of strongly altered ultramafic rock with malachite and limonite stain but no visible sulphides assayed 4100 ppb Au, 19.2% Ni and 0.02% Cu. Farther southeast, 1500 m away, limonitic gabbro float found on the SAX zone contained disseminated pyrrhotite and chalcopyrite and returned values of 140 ppb Pt, 440 ppb Pd, 0.44% Ni, 0.22% Cu and 35 ppb Au.

I  
Polestar Exploration Inc.

Work Target  
115 G 2 (70)  
61°07'N, 138°47'W  
1987

References: INAC (1987, p. 318)

Claims: I 1-56

Source: Summary by T. Bremner of assessment report 092092 by G.H. Giroux and J.H. Montgomery (Montgomery Consultants Ltd).

#### Description:

The claims cover northwest-trending mafic and ultramafic rocks of Lower to Middle Triassic age which contain pyrite, pyrrhotite and minor chalcopyrite.

#### Current Work and Results:

In 1987, 463 rock samples were taken on a long narrow grid following the trend of the ultramafic body. Four gold and four platinum-palladium anomalies were outlined, with maximum values up to 920 ppb Au, 158 ppb Pt and 277 ppb Pb.



**SWEDE**  
E.M. Flynn

Work Target  
115 G 6 (74)  
61°28'N, 139°32'W  
1952

References: No previous reference

Claims: SNOLINE 1-24; TAURUS 1-8; MERCURY 1-8; VENUS 1-8; MARS 1-8; JUNO 1-8;  
SATURN 1-8; POLARIS 1-8; FIR 1-4; SPRUCE 1-8; URSUS 1-8

Source: Summary by T. Bremner of assessment report 091762 by E.M. Flynn.

**Description:**

Copper and nickel-bearing float is reported from gulches draining the northeast slope of the Kluane Range, 2.7 km north of the WELLGREEN nickel-copper-platinum prospect.

**Current Work and Results:**

Prospecting in 1952 turned up considerable copper-stained float in several gulches at the head of Swede Johnson Creek. The float consisted of chalcopyrite and barite with some pyrite and pyrrhotite disseminated in greenstone. The gulch at the head of the south branch of Swede Johnson Creek yielded a piece of rusty diorite which assayed 1.45% nickel. A few shallow pits were dug at this location.

**SWEDE**  
Reed Creek Joint Venture

Work Target  
115 G 6,11,12 (74)  
61°30'N, 139°30'W  
1987

Reference: No previous reference

Claims: VALLEY 1-57 including fractions; REED 1-42; PUMP 1-24; SWEDE 1-27

Source: Summary by T. Bremner of assessment report 092102 by R.C. Carne.

**History:**

The property was staked in 1987 to cover an aeromagnetic anomaly lying north of the Wellgreen deposit which was mined for copper, nickel and platinum group elements in 1973-1974. Coarse placer gold occurs in several creeks draining the area of the claims.

**Description:**

The property covers andesitic pyroclastic rocks of the Pennsylvanian Station Creek Formation and slate, sandstone and limestone of the Lower Permian Hasen Creek Formation. Dykes of quartz-lathite porphyry of Oligocene age intrude the Paleozoic rocks.

**Current Work and Results:**

Ultramafic sills which host the Wellgreen Deposit are intruded near the contact of the Station Creek and Hasen Creek Formations. In 1987, nine sampling and prospecting traverses were run along spurs and creek cuts which cross the contact, and a contour traverse was made along the base of slope parallel to the contact. No bedrock exposures of ultramafic rocks were encountered.

Soil samples from several widely-spaced locations on the claims returned anomalous gold values up to 780 ppb. Elevated values of copper, nickel, platinum and palladium were restricted to a small area at the east end of the VALLEY claims.

DUKE SOUTH  
Rockridge Mining Corp.  
Kluane Joint Venture

Copper, Nickel, PGE  
Ultramafic-Associated  
115 G 2 (80)  
61°12'N, 138°56'W  
1987

**References:** No previous reference

**Claims:** DUKE 1-44

**Source:** Summary by T. Bremner of assessment report 092085 by W.D. Eaton (Archer, Cathro & Associates (1981) Ltd).

**History:**

Kluane Joint Venture staked the property in 1987 to cover a strong nickel, copper, cobalt anomaly in silt following a Geological Survey of Canada open-file geochemical release. The property was optioned to Rockridge Mining Corporation in the same year.

**Description:**

Copper, nickel and platinum group elements occur in a peridotite sill of Lower to Middle Triassic age containing minor dunite, pyroxenite and gabbro phases. The sill is about 770 m thick, strikes northwest and dips 60° NE. The lower 270 m is ultramafic while the upper part of the sill consists of gabbro. It intrudes argillite and limestone of the Lower Permian Hasen Creek Formation which show moderate to intense quartz-carbonate alteration along the intrusive contact. Pyrrhotite and chalcopyrite occur disseminated in peridotite and pyroxenite phases of the sill and in a 1 m wide massive sulphide lens within altered sedimentary rocks 50 m below the base of the sill. Quartz-carbonate altered rocks between the massive sulphide lens and the sill contain up to 5% arsenopyrite. Malachite and chalcopyrite occur in fractures.

**Current Work and Results:**

Reconnaissance prospecting and soil geochemistry were done in 1987. Soil samples taken over the ultramafic unit contained up to 1400 ppm Ni, 865 ppm Cu, 50 ppb Pt and 60 ppb Pd. Malachite and chalcopyrite-bearing rocks returned up to 2.6% Cu but only background values of the other metals. Chip samples across the massive pyrrhotite lens and the arsenopyrite-bearing quartz-carbonate returned near background values for all metals. A sample of gabbro float from the footwall contact containing malachite, chalcopyrite and pyrrhotite assayed 2.04% Cu, 0.74% Ni, 420 ppb Pt and 1380 ppb Pd.

WASH  
Silverquest Resources Ltd  
2001 Resource Industries Ltd

Copper, Nickel, PGE  
Ultramafic-Associated  
115 G 6 (89)  
61°27'N, 139°18'W

**Reference:** No previous reference

**Claims:** WASH 1-51

**Source:** Summary by T. Bremner of assessment report 092094 by W.D. Eaton (Archer, Cathro and Associates (1981) Ltd).

### History:

The WASH claims were staked in 1987 to cover ultramafic sills similar to those which host copper, nickel and platinum group elements at the former Wellgreen Mine, 7 km to the west.

### Description:

Peridotite sills of Lower to Middle Triassic age occur within pyroclastic rocks of the Pennsylvanian Station Creek Formation and deep marine clastic rocks belonging to the Permian Hasen Creek Formation. The sills range from 10 to 75 m in thickness and are up to 1600 m long. They consist predominantly of peridotite but contain minor harzburgite and gabbro phases. Quartz-carbonate alteration halos occur adjacent to the sills in places. Pyrrhotite, chalcopyrite and minor malachite are disseminated throughout the sills and are also found filling fractures. The mineralization locally extends into the tuff and quartzite wall rocks and the alteration halos. Up to 50% pyrrhotite occurs within the harzburgite phases of the sills, while chalcopyrite is more abundant in the gabbro.

### Current Work and Results:

Reconnaissance prospecting in 1987 located two showings, one on the ridge crest forming the west property boundary and the other in a stream cut 700 m to the east. Eighty-seven rock samples were analysed for gold and 33 elements, and assayed for platinum, palladium, copper and nickel. Specimens from the ridge crest showing returned up to 1.02% Ni, 0.46% Cu, 685 ppb Pt and 2160 ppb Pd from rusty malachite-stained gabbro and 0.087% Ni, 1.20% Cu, 2200 ppb Pt and 920 ppb Pd from strongly-oxidized peridotite containing about 15% limonite. Samples from the creek showing returned 0.72% Ni, 0.29% Cu, 880 ppb Pt and 1900 ppb Pd from harzburgite containing 30% pyrrhotite and 0.86% Ni, 0.46% Cu, 700 ppb Pt and 1000 ppb Pd from weakly mineralized gabbro.

Aeromagnetic maps and contour soil sampling proved to be useful in tracing the mineralized sills beneath areas of talus. Soil samples showed a strong and continuous geochemical response over the mineralized sills, returning values up to 1850 ppb Pt, 1400 ppb Pd, 9600 ppm Cu, 4300 ppm Ni and 540 ppb Au.

**13. GLEN**

L.B. Halferdahl  
115 G 6  
61°20'N, 139°16'W

Claims: EL 85-110, JAN 81-146,  
NAN 9-16, SUE 12-16,  
AND 13-17, JAQ 1-3,  
DUK 1-8

**16. QUILL**

T. Mogenson, J. Mogenson  
115 G 6  
61°24.5'N, 139°26'W

Claims: TAD 1-26, 28-31; TRYN 1-2

**17. LINDA**

Archer, Cathro and Associates  
(1981) Ltd  
115 G 6  
61°28'N, 139°26'W

Claims: KLU 41-56, 57-63FR., 64-71

**18. WELLGREEN**

Walhalla Exploration Ltd  
115 G 5  
61°26.5'N, 139°32'W

Claims: PS 1-22

**18. WELLGREEN**

A. McBride  
115 G 6  
61°27'N, 139°28'W

Claims: DIAL 1-15

**19. AIRWAYS**

Archer, Cathro and Associates  
(1981) Ltd  
115 G 5  
61°29'N, 139°33'W

Claims: BARNY 15-49, 50FR

**19. AIRWAYS**

Archer, Cathro and Associates  
(1981) Ltd; Harjay Exploration Ltd  
115 G 5, 12  
61°30'N, 139°34'W

Claims: EUGENE 1-44, SF 1-84,  
PETE 1-16, KF 3-18

**20. MUSKETEER**

Archer, Cathro and Associates  
(1981) Ltd.  
115 G 5, 12  
61°31'N, 139°42'W

Claims: JEK 1-48

**20. MUSKETEER**

D. Makkonen  
115 G 12  
61°31'N, 139°39'W

Claims: TOBY 1-14, VIENO 1-14

**26. GARLIC**

Archer, Cathro and Associates  
(1981) Ltd  
115 F 9  
61°39'N, 140°1.5'W

Claims: SAM 1-16

**27. LIBERTY**

R. Stack, B. Harris  
115 F 16  
61°47'N, 140°12'W

Claims: PETE 1-16, C.W.L. 1-14,  
PILLOW 1, 4, 5, 7, 13,  
15, 17, 19, 21, 23

**29. CATS AND DOGS**

B. Harris  
115 F 16  
61°52'N, 140°18'W

Claims: VAN 1-10

**32. SEVENSMA**

Harjay Exploration Ltd  
115 F 15  
61°56'N, 140°31'W

Claims: WR 17-26

**33. CANALASK**

Archer, Cathro and Associates  
(1981) Ltd  
115 F 15, 16  
61°57'N, 140°32'W

Claims: CANA 1-6, WENG 3-12

**33. CANALASK**

Harjay Exploration Ltd  
115 F 15  
61°58'N, 140°32'W

Claims: CT 1-17

**33. CANALASK**

G. Davidson  
115 F 16  
61°57'N, 140°27.5'W

Claims: KF 3-16

**52. DWARF**

United Keno Hill Mines Ltd  
115 G 9  
61°43'N, 138°19'W

Claims: DWA 1-12, TAL 1-4

**68. KELLI**

L. Tremblay  
115 G 12  
61°33'N, 139°37'W

Claims: GRACE 1-7, RENO 1-2

**69. ONION**

Archer, Cathro and Associates  
(1981) Ltd  
115 F 15  
62°00'N, 140°38'W

Claims: ONION 14-25, ARN 1-8

**73. ARBY**

G. Mogenson  
115 G 6  
61°29'N, 139°26'W

Claims: IKE 1-6

**74. SWEDE**

Archer, Cathro and Associates  
(1981) Ltd  
115 G 11, 12  
61°31'N, 139°31'W

Claims: SWEDE 1-27, REED 1-42  
VALLEY 1-57, PUMP 1-24

**74. SWEDE**

W. Zikos  
115 G 6  
61°29'N, 139°29'W

Claims: GREG 1-36

**77. ODD**

T. Mogenson  
115 G 12  
61°32'N, 139°40'W

Claims: GERTY 1-10

**78. PLATA**

G. Anders  
115 G 5  
61°26'N, 139°33'W

Claims: G 1-10

**81. RIDGE**

G. Harris  
115 F 15  
61°56'N, 140°35'W

Claims: LOBO 1-8, CT 1-18

**81. RIDGE**

B. Lueck  
115 F 15  
61°57.5'N, 140°34'W

Claims: RIDGE 1-6, KM 1-12, 27-44

**82. MAC**

R. Empey  
115 G 5  
61°25'N, 139°37'W

Claims: MAC 1-7

**83. HAZEL**

G. Harris  
115 F 15  
61°53'N, 140°26'W

Claims: HAZEL 3-8

**84. DUKE SOUTH**

Archer, Cathro and Associates  
(1981) Ltd  
115 G 2  
61°12'N, 138°58'W

Claims: DUKE 1-44

**85. DON**

R. Quesnel, M. Glynn  
115 G 5  
61°26'N, 139°43'W

Claims: DON 1-10, 14-24, 27-40, 41-44

**85. DON**

R. Stack, G. Harris  
115 G 5  
60°27'N, 139°39'W

Claims: NEW 1-22

**86. WON**

Hudson Yukon Mining Co. Ltd  
115 G 11  
61°30'N, 139°18'W

Claims: WON 1-2

**87. MISSY**

Avanti Minerals Ltd  
115 G 5  
61°28'N, 139°40'W

Claims: PC 1-50

**87. MISSY**

Harjay Exploration Ltd  
115 G 5, 12  
61°28'N, 139°43'W

Claims: MISSY 1-28, CT 1-17, WR 1-16

**88. SAL**

Harjay Exploration Ltd;  
Archer, Cathro and Associates  
(1981) Ltd  
115 G 12  
61°41'N, 139°58'W

Claims: DRN 1-16, SAL 1-36

**89. WASH**

Silverquest Resources Ltd  
115 G 6  
61°27'N, 139°23'W

Claims: WASH 1-51

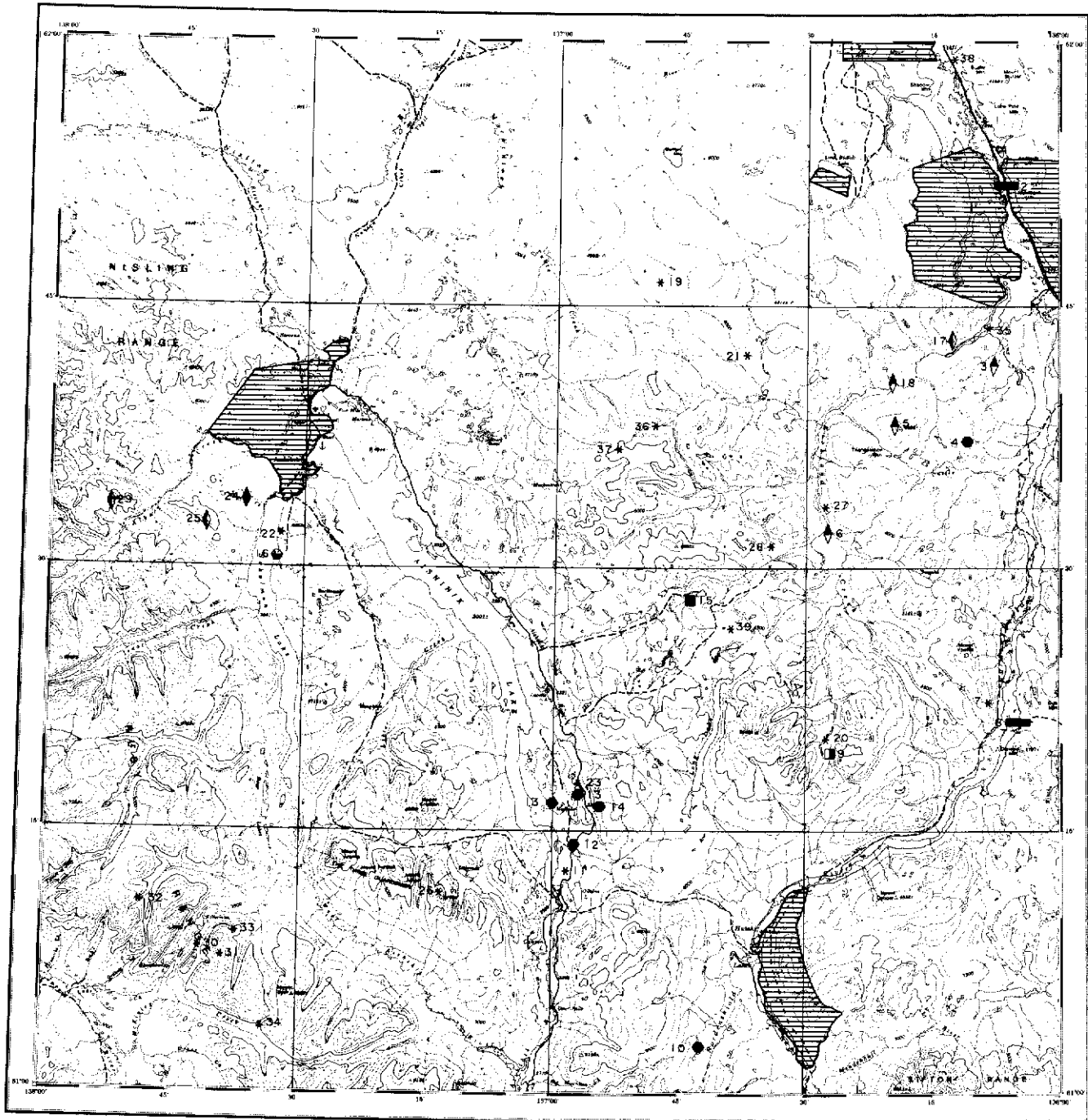
**90. TONY**

Walhala Exploration  
115 G 2  
61°10'N, 138°48'W

Claims: TONY 1-60



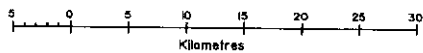




AISHIHIK LAKE  
YUKON TERRITORY



Lands withdrawn from staking  
due to Native Land Claims  
(see specific claim map for  
accurate location and  
additional sites of withdrawal).



- Total Trail.
- Driveable Road.
- A Airstrip.

## AISHIHIK LAKE MAP-AREA (NTS 115 H)

General References: GSC Map 17-1973 and Paper 73-41 by D.J. Tempelman-Kluit, 1974a;  
GSC Geochem Open File 1219.

NO.	PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1	LOSCH	Work Target	115 H 16	7	INAC (1987, p. 322)
2	ANDESITE	Coal, Occurrence U	115 H 16	7	INAC (1983, p. 197-198)
3	AH	Vein Cu	115 H 9	7	
4	MACK'S	Skarn Cu	115 H 9	7	Craig and Milner (1975, p. 80-81)
5	SNIPE	Vein Cu	115 H 9	7	
6	KIRK	Vein Cu	115 H 9	7	
7	VONEL	Work Target	115 H 8	7	Cairnes (1908, p. 10-15)
8	DIVISION	Coal	115 H 8	7	
9	LION	Porphyry Mo Pb	115 H 8	7	
10	MORAINE	Skarn Cu W	115 H 2	7	INAC (1981, p. 258); INAC (1983, p. 197); Morin (1981c, p. 98-104)
11	GILTANA	Work Target	115 H 2	9	INAC (1981, p. 258)
12	AISHIHIK	Skarn Cu Fe	115 H 2	7	Sinclair and Gilbert (1975, p. 69-70); INAC (1981, p. 258)
13	JANISIW	Skarn Cu	115 H 7	6	INAC (1982, p. 213)
14	HOPKINS	Skarn Cu Fe Au	115 H 7	6	Morin et al (1980, p. 46); INAC (1986, p. 14); Morin (1981)
15	SATO	Porphyry Cu Mo	115 H 7	7	Craig and Milner (1975, p. 88-89)
16	SEKULMUN	Skarn Zn Pb (Ag Sn)	115 H 12	7	Morin (1981)
17	ORLOFF	Vein Au	115 H 9	7	INAC (1982, p. 213)
18	SHAD	Vein Cu	115 H 9	7	
19	BUFFALO	Work Target	115 H 15	9	INAC (1981, p. 258)
20	BUN	Work Target	115 H 8	7	Morin et al (1977, p. 167)
21	TOSH	Work Target	115 H 10	9	Morin et al (1980, p. 46)
22	SEK	Work Target	115 H 12	9	Morin et al (1980, p. 47)
23	SIDE	Work Target	115 H 7	9	INAC (1982, p. 213)
24	HATCH	Vein Au Ag Pb Zn, Porphyry Mo	115 H 12	7	INAC (1986, p. 182)
25	HIK	Vein Au	115 H 12	7	INAC (1986, p. 183)
26	ITTLE	Work Target	115 H 3	9	INAC (1986, p. 185)
27	RAM TWO	Work Target	115 H 9	9	INAC (1986, p. 185)
28	SNAP	Work Target	115 H 9, 10	9	INAC (1987, p. 322)
29	AL	Vein Au	115 H 12	7	INAC (1986, p. 184)
30	SPRUCE	Work Target	115 H 4	9	This Report
31	RUBY	Work Target	115 H 4	9	This Report
32	SHUT	Work Target	115 H 4	9	INAC (1987, p. 323)
33	KIL	Work Target	115 H 4	9	INAC (1987, p. 323)
34	KIN	Work Target	115 H 9	9	INAC (1987, p. 323)
35	SPOCK	Work Target	115 H 10	9	INAC (1987, p. 323)
36	MAG	Work Target	115 H 10	9	INAC (1987, p. 323)
37	JIMBO	Work Target	115 H 16	9	This Report
38	PLUME	Work Target	115 H 7	9	This Report
39	LUSCAS	Work Target	115 H 7	9	This Report

SHUT  
Silverquest Resources Ltd

Work Target  
115 H 4 (32)  
61°12'N, 137°45'W  
1986-87

References: INAC (1987, p. 323)

Claims: SHUT 1-20

Source: Summary by T. Bremner of assessment report 091993 by W.D. Eaton (Archer, Cathro & Associates (1981) Ltd).

#### History:

The SHUT claims were staked in 1986 to cover a gold anomaly in silt following the release of a Geological Survey of Canada geochemical survey.

#### Description:

The main rock type on the property is biotite-quartz schist cut by discordant veins of quartz and andalusite. Granodiorite and diorite dykes veined with epidote are probably associated with a large stock of Triassic granodiorite which outcrops 1.5 km north of the claim block.

#### Current Work and Results:

In 1986 and 1987 reconnaissance soil, silt and rock sampling outlined several gold-arsenic anomalies. A sample of brecciated schist collected from the east side of the property assayed 775 ppb Au and greater than 10 000 ppm As.

**28. SNAP**

Dodgex Ltd  
 115 H 9  
 61°32'N, 136°29.5'W

Claims: BUNYIP 1-2

**28. SNAP**

Dodgex Ltd  
 115 H 10  
 61°32'N, 136°34'W

Claims: DINGO 1-2

**30. SPRUCE**

J. Ross  
 115 H 4  
 61°13'N, 137°40'W

Claims: ARC 1-20, CLIFF 8-14

**32. SHUT**

Archer, Cathro and Associates  
 (1981) Ltd  
 115 H 4  
 61°11'N, 137°48'W

Claims: SHUT 5-20

**38. PLUME**

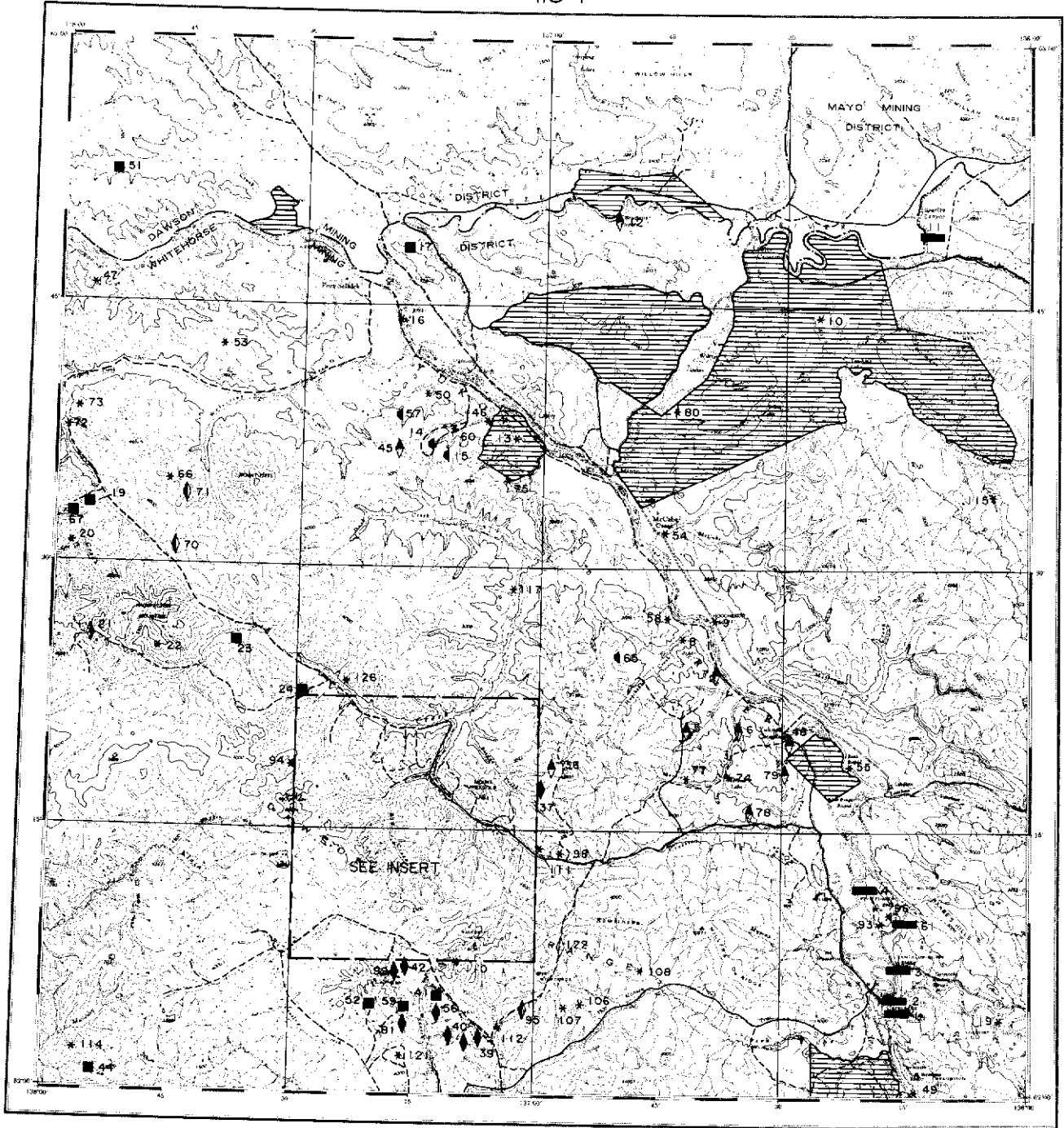
F. Dorward  
 115 H 16  
 61°59'N, 136°13'W

Claims: PLUME


**39. LUSCAS**

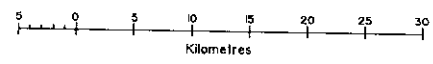
Dodgex Ltd  
 115 H 7  
 61°27'N, 136°39'W




Claims: LUSCAS 1-2

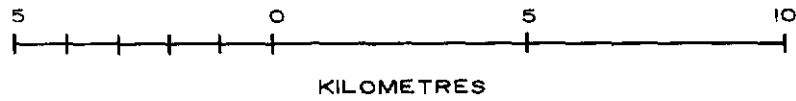
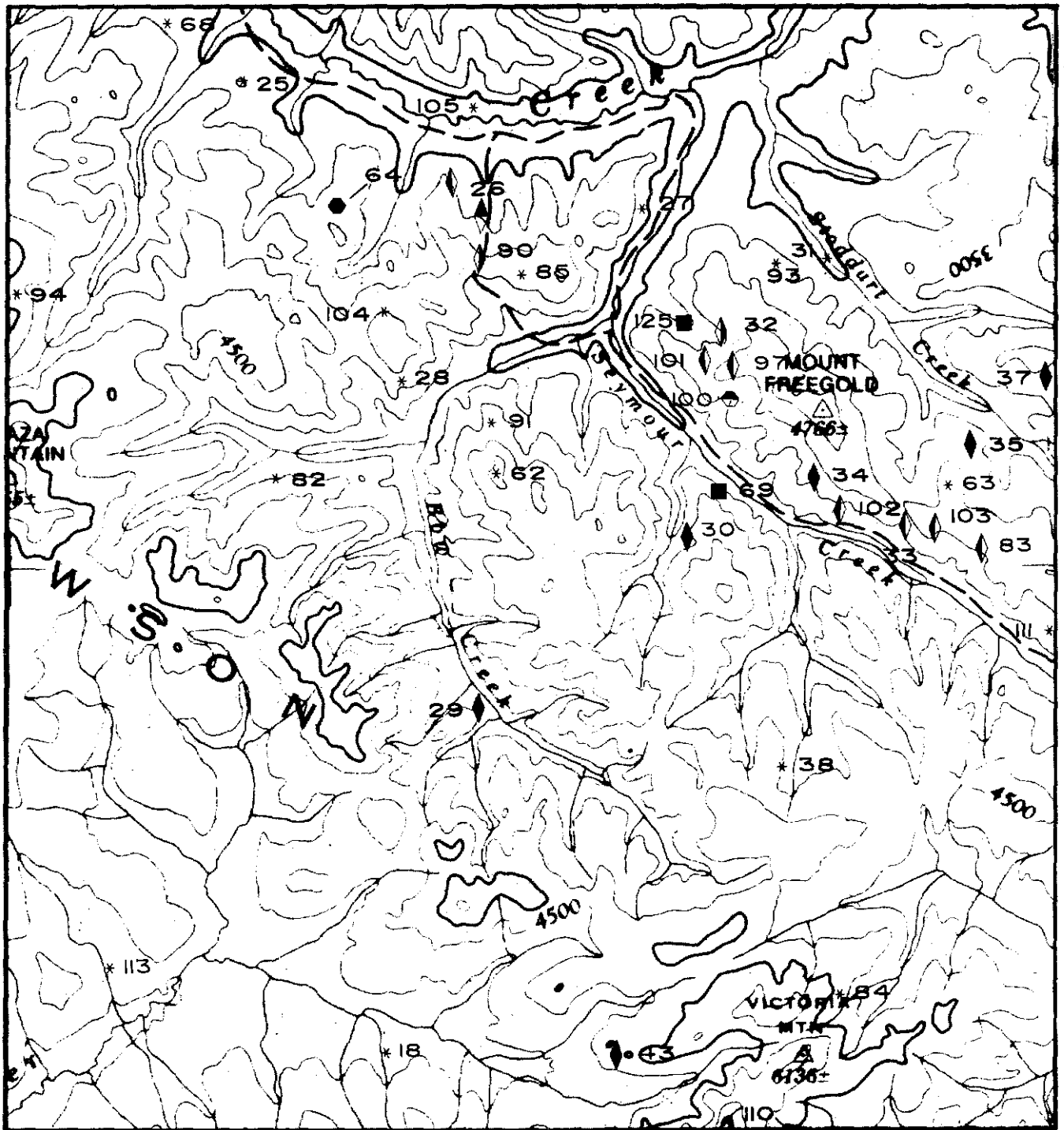


**CARMACKS**  
YUKON TERRITORY

 Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



 Tote Trail.  
 Driveable Road.  
 A Alstrip.



## CARMACKS MAP-AREA (NTS 115 I)

General References: GSC Memoir 214 and Map 450A by J.R. Johnston, 1937  
 GSC Open File 1101 by D.J. Tempelman-Kluit, 1984;  
 DIAND Open File 1987-2 (115 I 3 and 6) by G.G. Carlson, 1987;  
 DIAND Open File 1987-3 (115 I 5, 115 I 9 and 10) by J.G. Payne et al., 1987;  
 SSC Geochem Open File 1220.

NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 SOUTH TANTALUS	Coal	115 I 1	7	Findlay (1967, p. 89)
2 TANTALUS MINE	Coal	115 I 1	4	Cairnes (1910, p. 59-63); Bostock (1936, p. 58-59)
3 TANTALUS BUTTE	Coal	115 I 1	3	Cairnes (1910, p. 52-53); Findlay (1969a, p. 114); Sinclair et al (1975, p. 168)
4 FIVE FINGERS	Coal	115 I 1	7	Bostock (1936, p. 62-63)
5 WILLIAMS CREEK	Vein Cu	115 I 7	3	Sinclair (1977, p. 80-81)
6 MERRICE	Vein Cu	115 I 7	7	Brock (1910, p. 14-26)
7 BONANZA KING	Vein Cu	115 I 7	7	Green (1966, p. 42-44)
8 MAUD	Work Target	115 I 7	9	
9 HOOCHKOO	Work Target	115 I 7	9	Dawson (1889, p. 145 B)
10 TOWHATA	Work Target	115 I 9	9	Bostock (1936, p. 63)
11 NEEDLEROCK	Coal	115 I 16	7	McConnell (1903, p. 31, 38)
12 BRADENS CANYON	Vein Cu	115 I 15	7	Carriere et al (1981)
13 COIN	Work Target	115 I 11	9	Sinclair and Gilbert (1975, p. 48-49)
14 MINTO	Unclassified Cu Ag Au	115 I 11	2	Sinclair (1977, p. 68-82); INAC (1987, p. 328)
15 PAL	Unclassified Cu Ag Au Mo	115 I 11	7	Sinclair et al (1975, p. 100-101)
16 GRENIER	Work Target	115 I 11	9	Bostock (1936, p. 63)
17 PELLY	Porphyry Cu Mo	115 I 14	7	INAC (1982, p. 216)
18 RICO	Work Target	115 I 3	9	Sinclair et al (1975, p. 126-127)
19 TAD	Porphyry Cu Mo Au	115 I 12	6	INAC (1987, p. 329-330); This Report
20 PHELPS	Work Target	115 I 12	9	Craig and Laporte (1972, p. 71-72)
21 FROG	Vein Ag Pb	115 I 5	7	Payne et al (1987, p. 110-111)
22 STARBIRD	Work Target	115 I 5	9	Payne et al (1987, p. 114-115)
23 CASH	Porphyry Cu Mo Au	115 I 5	2	Payne et al (1987, p. 111-114); INAC (1987, p. 331-333); This Report
24 KLAZAN	Porphyry Cu Mo	115 I 6, 5	9	Carlson (1987, p. 70); INAC (1987, p. 333)
25 COM	Work Target	115 I 6	6	Carlson (1987, p. 70-71)
26 REVENUE	Breccia Cu Au	115 I 6	6	Carlson (1987, p. 71-72); This Report
27 COMBO	Work Target	115 I 6	9	Carlson (1987, p. 72)
28 BOW	Work Target	115 I 6	9	Carlson (1987, p. 72-73)
29 LIL	Vein Au Ag	115 I 3	7	Carlson (1987, p. 73)
30 CARIBOU CREEK	Vein Au Ag	115 I 6	4	Carlson (1987, p. 73-74)
31 KOOK (CAR)	Work Target	115 I 6	9	Carlson (1987, p. 74)
32 RED FOX	Vein Ag Pb	115 I 6	7	Carlson (1987, p. 74-75); INAC (1987, p. 334-336)
33 ANTONIUK	Breccia Au	115 I 6	7	INAC (1987, p. 336)
34 LAFORMA	Vein Au Ag	115 I 6	7	Carlson (1987, p. 76-77); This Report
35 EMMONS HILL	Vein Au Ag Sb Ba	115 I 6	3	Carlson (1987, p. 77); INAC (1987, p. 343)
36 GRANITE MOUNTAIN	Vein Cu Mo	115 I 7	6	Findlay (1969a, p. 34-35)
37 TINTA HILL	Vein Au Ag Pb Zn Cu	115 I 7, 6	2	Carlson (1987, p. 78)
38 FOSTER	Work Target	115 I 3	9	INAC (1986, p. 190); Carlson (1987, p. 79)
39 BROWN McDADE	Vein Au Ag	115 I 3	2	Carlson (1987, p. 79-80); This Report
40 MT. NANSEN (WEBBER, HUESTIS)	Vein Au Ag Pb Zn	115 I 3	3	Sawyer and Dickinson (1976); Carlson (1987, p. 80-81); INAC (1987, p. 337)
41 CYPRUS	Porphyry Cu Mo	115 I 3	7	Carlson (1987, p. 81); This Report
42 ESANSEE	Vein Ag Au Pb Zn	115 I 3	6	Carlson (1987, p. 82); INAC (1987, p. 338-339)
43 DIVIDE	Vein Au Ag	115 I 3	6	Carlson (1987, p. 83); This Report
44 MALONEY	Porphyry Au Cu Mo	115 I 4	7	INAC (1987, p. 340-341)
45 COMANCHE	Vein Cu	115 I 11	6	Sinclair et al (1975, p. 101-102)
46 NORTHAIR (AL)	Work Target	115 I 11	9	Sinclair et al (1975, p. 107)
47 TUF	Work Target	115 I 13	9	Sinclair et al (1975, p. 95)
48 CROSSING	Vein Cu	115 I 8	7	
49 EWING	Work Target	115 I 1	9	
50 ORI (MAC)	Work Target	115 I 11	9	
51 KERR	Porphyry Cu Mo	115 I 13	7	Sinclair et al (1975, p. 108-109)
52 LONELY	Porphyry Cu Au	115 I 3	7	Carlson (1987, p. 83-84); INAC (1987, p. 342-343)
53 SAM	Work Target	115 I 12	9	Sinclair et al (1976, p. 146); INAC (1986, p. 191); This Report
54 McCABE	Work Target	115 I 10	9	McConnell (1903, p. 37-52)
55 RINK	Work Target	115 I 8	9	Carlson (1987, p. 84)
56 GOULTER	Vein Au Ag	115 I 3	7	Sinclair et al (1975, p. 102-103)
57 GIANT (NAVAJO)	Unclassified Cu	115 I 11	6	Sinclair et al (1975, p. 122-123)
58 BLUFF	Work Target	115 I 7	9	Carlson (1987, p. 84-85);
59 RUSK	Porphyry Cu Mo	115 I 3	7	

60 BOYLEN (SUN)	Work Target	115 I 11	9	This Report
61 HLAVAY	Coal	115 I 1	9	Sinclair et al (1975, p. 103)
62 LETA	Work Target	115 I 6	9	Sinclair and Gilbert (1975, p. 120-121)
63 DART	Work Target	115 I 6	9	INAC (1981, p. 262)
64 NUCLEUS	Porphyry Au	115 I 6	9	Carlson (1987, p. 85, 77); INAC (1987, p. 343)
65 STU	Unclassified Cu	115 I 7	5	Carlson (1987, p. 85); INAC (1987, p. 343-344)
66 MUT	Work Target	115 I 12	6	INAC (1983, p. 204)
67 NIT	Porphyry Cu Au	115 I 12	9	INAC (1981, p. 263)
68 ROC	Work Target	115 I 6	7	INAC (1987, p. 344-345)
69 ZIT	Porphyry Cu Au	115 I 6	9	Morin et al (1977, p. 172)
70 PANTHER	Vein Au	115 I 12	7	Carlson (1987, p. 86); INAC (1987, p. 346-347)
71 RAINBOW	Vein Au	115 I 12	7	Sinclair et al (1976, p. 142)
72 NADA	Work Target	115 I 12	7	INAC (1985, p. 253)
73 SELKIRK	Work Target	115 I 12	9	INAC (1985, p. 255)
74 ACE	Work Target	115 I 7	9	Sinclair et al (1976, p. 145); This Report
75 FED	Work Target	115 I 11	9	INAC (1982, p. 219)
77 AL	Work Target	115 I 7	9	Morin et al (1977, p. 177)
78 POON	Vein Cu	115 I 7	9	INAC (1983, p. 204)
79 TOOT	Vein Cu	115 I 8	7	INAC (1983, p. 203-204)
80 DOME	Work Target	115 I 10	7	INAC (1983, p. 203-204)
81 J. BILL	Vein Ag Au	115 I 3	9	INAC (1983, p. 204)
82 KING	Work Target	115 I 6	7	Carlson (1987, p. 84-86); This Report
83 GOLDFY	Vein/Breccia Au	115 I 3, 6	9	INAC (1985, p. 255)
84 ROW	Work Target	115 I 3	6	Carlson (1987, p. 86-87); INAC (1987, p. 348)
85 SHACK	Work Target	115 I 6	9	Carlson (1987, p. 87); INAC (1987, p. 349)
86 KEN	Deleted: same as #27 COMBO		9	INAC (1986, p. 190)
87 ELEPHANT	Deleted: same as #125 STODDART			
89 MAY	Deleted: same as #90 HILLTOP			
90 HILLTOP	Work Target	115 I 6	9	INAC (1986, p. 191)
91 DY	Work Target	115 I 6	9	INAC (1986, p. 191)
93 CASTLE (EYM)	Work Target	115 I 6	9	Sinclair et al (1975)
94 ERL	Work Target	115 I 5, 6	9	INAC (1987, p. 355)
95 ROBERT	Vein Au	115 I 3	9	INAC (1987, p. 350)
96 CLIFFSIDE	Work Target	115 I 1	9	INAC (1987, p. 356)
97 GOLD STAR	Breccia Pipe Au	115 I 6	7	INAC (1987, p. 334-335)
98 WOLF	Work Target	115 I 2	9	INAC (1987, p. 351)
99 DIC	Vein Zn Pb Ag Au	115 I 3	7	INAC (1987, p. 351-352)
100 MARGARETE & AUGUSTA (GUDER)	Skarn Au	115 I 6	2	Carlson (1987, p. 75-76); INAC (1987, p. 334-336)
101 PEERLESS	Vein Au	115 I 6	7	INAC (1987, p. 334-336)
102 RAMBLER	Vein Au	115 I 6	6	Morin (1980, p. 69-71)
103 WHALE	Vein Au	115 I 6	6	
104 MEC	Work Target	115 I 6	9	INAC (1987, p. 355)
105 FOR	Work Target	115 I 6	9	INAC (1987, p. 356)
106 FOX	Work Target	115 I 2	9	INAC (1987, p. 356)
107 TEA	Work Target	115 I 2	9	INAC (1987, p. 356)
108 MINE	Work Target	115 I 2	9	INAC (1987, p. 356)
109 FIELD	Deleted: same as #98 WOLF			
110 PAM	Work Target	115 I 3	9	INAC (1987, p. 356)
111 DUR	Work Target	115 I 2, 3	9	INAC (1987, p. 356)
112 MOON	Work Target	115 I 3	9	INAC (1987, p. 356)
113 TOAST	Work Target	115 I 3	9	INAC (1987, p. 356); This Report
114 BAG	Work Target	115 I 4	9	INAC (1987, p. 356)
115 MAIN	Work Target	115 I 9	9	INAC (1987, p. 356); This Report
116 LARPO	Deleted: same as #14 PER			
117 VERLENE	Work Target	115 I 6	9	Carlson (1987, p. 97-88)
119 PEL	Work Target	115 I 1	9	This Report
121 DOWS	Work Target	115 I 3	9	This Report
122 ROWLINSON	Vein Sb	115 I 2	7	This Report
123 OUT	Work Target	115 I 6	9	This Report
124 KITZA	Work Target	115 I 6	9	This Report
125 STODDART	Porphyry Cu Mo	115 I 6	7	INAC (1980, p. 218-219)



TAD  
D. Waugh

Copper, Molybdenum, Gold  
Porphyry  
115 I 12 (19)  
62°38'N, 138°35'W  
1987

References: INAC (1987, p. 329):

Claims: TORO 1-46

Source: Summary by W.P. LeBarge of assessment report 091967 by A. Starr.

#### Current Work and Results:

Noranda Exploration Co. Ltd carried out exploration on this property in 1987. A grid was constructed using a D-8 bulldozer. Geochemical and geophysical surveys were conducted and four diamond drill holes were completed.

A total of 213 soil and 64 trench samples were collected and analyzed for gold, silver and arsenic. Two thirds of the soil samples returned anomalous values of over 20 ppb Au, 1 ppm Ag and 40 ppm As. Of the ten trenches which were analyzed for gold, silver and arsenic, six had highly anomalous values.

Four diamond drill holes totalling 372 m were drilled into a clay-altered quartz monzonite porphyry, which was often highly sheared, faulted and brecciated. Argillic, potassic, silica and carbonate alteration were encountered. All holes were split and analyzed for gold, silver and arsenic, each returning anomalous values. Five samples of 1970 core were analyzed for gold, silver and in some cases base metals. One sample returned values of 3100 ppm Au, 20 ppm Ag and 2.68% Zn over 0.5 metres.

COMBO (ELEPHANT)  
Noranda Exploration Co. Ltd

Work Target  
115 I 6 (27)  
62°18'N, 137°11'W  
1986, 1987

References: INAC (1987, p. 355)

Claims: ELEPHANT 1-20

Source: Summary by W.P. LeBarge and T. Bremner of assessment reports 091742 by C.J.R. Hart and 092113 by R. Singh and H. Copland.

## History:

P.F. Guder is reported to have discovered gold-bearing quartz float on or near this property in the 1930's. L. Lebedoff staked the ELEPHANT 1-14 claims for G. Lee in 1985 to cover the ground surrounding a placer operation. Noranda optioned the property and added the ELEPHANT 15-20 claims in 1986.

## Description:

The Guder Creek fault parallels the south boundary of the claim block, separating Late Triassic granodiorite of the Mt. Freegold complex (southwest) from Paleozoic? schist and gneiss. Northwest-trending felsite porphyry dykes crosscut the granodiorite along Guder Creek. Gold occurs in clay-altered rhyolite and in magnetite-bearing boulders found in the creek.

## Current Work and Results:

After an initial examination of placer concentrate and exposed bedrock, a reconnaissance soil survey was done in 1986 on the slope above the placer operation. Grid soil sampling, VLF-EM and magnetometer surveys were subsequently conducted. Three hundred and forty-three soil and 15 rock samples were analysed for gold, silver, arsenic, copper, lead and zinc. Five anomalous gold zones were delineated, often coincident with high silver and arsenic values. Rock samples of various types all contained gold, with a massive magnetite boulder returning the highest value. Rhyolite contained from 70 to 540 ppb Au while pyritic altered granodiorite gave values of 25 to 35 ppb Au. No specific trends were outlined by the geophysical surveys, probably due to the wide spacing between grid lines. Five anomalous areas identified by the previous year's work were resampled in 1987. Additional reconnaissance sampling was also done. A total of 45 soil and 36 rock samples were analysed for gold, silver, arsenic and tungsten. Six bulldozer trenches totalling 242 m were cut and sampled.

Several new gold, silver and arsenic anomalies were found by reconnaissance sampling. A soil sample taken near the claim line 100 m west of Seymour Creek contained 2200 ppb Au, 5.8 ppm Ag, 2560 ppm As and 15 ppm W. A rock sample from the same location assayed 100 ppb Au, 7.4 ppm Ag, 336 ppm As and 1 ppm W. A rock sample taken on the road near the northeast claim boundary was weakly anomalous in gold and returned 2180 ppm As.

Almost all the samples taken from 1987 trenches were strongly anomalous in arsenic, with one rock exceeding 10 000 ppm As and soils ranging from 102 to 670 ppm As. Four rocks and one soil sample contained anomalous levels of gold.

ANTONIUK (PEGGY)  
 (Adjoins ANTONIUK property)  
 Big Creek Joint Venture

Work Target  
 115 I 6 (33)  
 62°16'N, 137°06'W  
 1987

References: Carlson (1987, p. 88); INAC (1987, p. 336)

Claims: PEGGY 1, 2F-5F

Source: Summary by T. Bremner of assessment report 092086 by C.A. Main (Archer, Cathro and Associates (1981) Ltd).

**Description:**

The PEGGY claims lie southwest of the Antoniuk deposit on the opposite side of a northwest-trending fault. They are underlain by Jurassic syenite and Cretaceous granodiorite.

**Current Work and Results:**

A geochemical survey on the PEGGY claims in 1987 returned low gold values up to 35 ppb. No evidence of porphyritic dykes, breccia or sulphide mineralization was seen.

MT. NANSEN (WEBBER, HUESTIS)  
 B.Y.G. Natural Resources Inc.  
 Chevron Canada Resources Ltd

Gold, Silver, Lead, Zinc Vein  
 115 I 3 (40)  
 62°05'N, 137°08'W  
 1985

References: Morin et al. (1977, p. 167-168); INAC (1988, p. 337).

Claims: DOME 1-86; HIW 1-17 (including fractions); JEFF 1-7; JOANNE 1-6; LAURA 9; DD 1-48; ECK 1-18; ICT 1-36; ONE IF; ONT 1-51; TBR 1-8; J. BILL 1-32; BULL 1-28; RAT 9-24.

Source: Summary by T. Bremner of assessment report 091825 by W.D. Eaton (Archer, Cathro and Associates (1981) Ltd).

## Current Work and Results:

In 1985 the BROWN-MCDADE and WEBBER zones were explored in detail by trenching, rotary and diamond drilling. This work includes 47 trenches (7.6 km) excavated to bedrock, 17 percussion drillholes totalling 1283.5 m, and 13 diamond drillholes totalling 949.4 m. Selected chip samples from trenches, drill cuttings, core, underground workings, dumps and tailings ponds were submitted for metallurgical testing. In addition, 6300 soil samples were taken for multi-element analysis and a 48 km EM-16 survey was carried out over most of the property to indicate possible strike extensions of the BROWN-MCDADE and WEBBER zones and to outline new exploration targets.

Trenching showed that the BROWN-MCDADE Main Zone consists of strongly brecciated, silicified and clay-altered granodiorite and feldspar porphyry on the hangingwall side of a major fault zone which strikes  $160^{\circ}$  and dips  $65^{\circ}$  W. The zone varies from 7 to 30 m wide and is exposed over a strike length of 450 m. It separates unaltered granodiorite on the east side from massive manganese-stained feldspar porphyry on the west. Weakly-mineralized offshoots of the main zone follow subsidiary north-trending faults and dykes.

Chip sampling of the main BROWN-MCDADE zone on surface yielded up to 5.8 g/t Au and 63.1 g/t Ag across a true width of 22.0 m. The best drill intersection returned 8.5 g/t Au and 80.6 g/t Ag over a true width of 32.0 m. Underground sampling of the Brown-McDade zone in two crosscuts showed the gold is concentrated in two subparallel bands: clay-mica gouge within the fault zone containing 2.6 to 24.7 g/t Au, and highly siliceous breccia in the hanging-wall which contains 4.1 to 11.0 g/t Au. The mineralized rock is oxidized to a depth of 15 m at the north end of the main zone, increasing to 75 m at the south end.

The WEBBER vein system consists of subparallel veins up to 5 m wide occupying steeply-dipping northwest-trending faults in Paleozoic schist and gneiss. The veins have quartz and sulphide-rich cores which are surrounded by symmetrical envelopes of intense sericite and kaolinite alteration. The main WEBBER vein was traced 700 m southeast from the portal in a series of bulldozer trenches and diamond drillholes. It contains highly variable metal values up to 19.4 g/t Au and 733.6 g/t Ag across 2 m. Two of the seven holes drilled in the WEBBER Zone intersected significant volumes of ore, the best intersection assaying 10.0 g/t Au and 841.2 g/t Ag across 1.1 m. Other veins show good grades but poor tonnage potential. Wallrocks within 5 m of the veins are bleached and weakly altered but contain low gold and silver values.

Metallurgical tests indicate that cyanide treatment of the milled oxidized ore will recover over 98% of the gold, compared to 60% recovery of gold from the sulphide ore. This confirms that the BROWN-MCDADE zone, with its large volume of shallow oxide ore, is an attractive open pit heap-leach target.

ESANSEE  
Archer, Cathro and Associates  
(1981) Ltd

Silver, Gold, Lead, Zinc Vein  
115 I 3 (42)  
62°07'N, 137°15'W  
1987

References: INAC (1987, p. 338-339)

Claims: TAWA 1-90

Source: Summary by T. Bremner of assessment report 092083 by M.J. Wall and W.D. Eaton (Archer, Cathro and Associates (1981) Ltd.

#### Current Work and Results:

In 1987, stripping was done for 28 trenches. Twelve of these were wholly or partially excavated, a total of 1939 m, and 1 to 5 m chip samples were collected across all mineralized or strongly altered exposures.

Work on the previously-known BRX zone traced the veins 750 m along strike and showed that within the zone the mineralization and alteration is highly variable. The best assays from this zone came from two veins 7.5 m apart which returned 6.9 g/t Au and 160.1 g/t Ag over 2.5 m and 8.7 g/t Au and 28.5 g/t Ag over 1.5 m respectively. Mineralization in the BRX zone is still open in both directions but appears to weaken toward the southeast.

Trenching in 1987 also uncovered a new vein system parallel to the BRX zone, 1000 m to the northeast. The new showing is designated the KLAZA zone. The trench exposed three veins underlying a strong soil anomaly. The best assay averaged 4.2 g/t Au and 47.3 g/t Ag across 8.0 m including 11.1 g/t Au and 216.0 g/t Ag over 1 m.

SELKIRK  
Noranda Exploration Co. Ltd

Work Target  
115 I 12 (73)  
62°39'N, 137°52'W  
1986

References: Sinclair et al (1976, p. 145); INAC (1987, p. 354)

Claims: HAY 1-20

Source: Summary by T. Bremner of assessment report 091957 by H. Copland.

**History:**

The property was originally a copper-molybdenum prospect staked in 1969 as the HAYES claims. Delta International Minerals Ltd mapped and soil sampled the property. In 1975, D.C. Syndicate restaked the ground as the AS claims and performed geochemical and geological work as well as trenching. J. Lerner staked the area as the H claims in 1979 and carried out further trenching. Noranda staked the HAY claims in 1986 to cover a gold anomaly in silt reported by the Geological Survey of Canada.

**Description:**

Quartz-mica and chlorite schist and minor limestone underlie the property. A stock of porphyritic monzonite of probable Cretaceous age intrudes the metamorphic rocks. Clay-altered quartz-feldspar porphyry of Tertiary age outcrops west of the property toward Hayes Creek.

**Current Work and Results:**

Two silt samples taken in 1986 failed to duplicate the Geological Survey of Canada anomaly. Reconnaissance soil samples were taken over strong lead-silver-arsenic anomalies discovered by Delta International Minerals. Three old trenches were soil sampled at 10 metre intervals. Soil samples overlying the intrusion returned up to 2100 ppm As, 14.0 ppm Ag, and were also anomalous in Pb and Zn. Low copper and gold values were obtained except for a sample at the north end of trench #1 which returned 120 ppb Au and 330 ppm Cu. A sample of silicified pyritic quartz monzonite from trench #2 returned values of 1000 ppm As and 40 ppb Au.

J. BILL  
Aurchem Exploration Ltd

Silver, Gold Vein  
115 I 3 (81)  
62°05'N, 137°11'W  
1987

**References:** INAC (1986, p. 190; 1987, p. 346-347)

**Claims:** WEDGE 5-10, 15; RASI 1-4; LGCS 1-3; MSL

**Source:** Summary by W.P. LeBarge and M. Langdon of assessment report 091958 by M. Langdon.

**Current Work and Results:**

A diamond drill program in 1987 aimed to determine the structural setting, true width and major controls of gold-silver mineralization in granodiorite-hosted quartz-sulphide veins.

Two epithermal vein systems were found with sub-parallel strikes. Primary hydro-brecciated veins with broad argillic alteration halos follow a north-trending fault system. Secondary veins of quartz-sulphide-sulphosalt have advanced argillic alteration halos and high silver-gold and lead-zinc ratios. The secondary veins appear related to dacitic dykes and sills located near a diorite-granodiorite contact.

WOLF  
R.A. Granger

Work Target  
115 I 2 (98)  
62°14'N, 136°53'W  
1987

References: INAC (1987, p. 351)

Claims: WOLF 1-8, 10, 12-48, 1Fr., 2Fr

Source: Summary by W.P. LeBarge of assessment report 091980 by R.A. Granger.

**Current Work and Results:**

In 1987 a program of prospecting, grid construction and geochemical surveying was conducted. One hundred and forty-four soil samples were collected and analysed for copper, lead, zinc, silver, arsenic, gold, antimony and barium. Three anomalous areas were identified within the claim group, with soil values as high as 65 ppb Au, 44 ppm Cu, 46 ppm Pb, 108 ppm Zn, 0.6 ppm Ag, 290 ppm As, 37 ppm Sb and 1400 ppm Ba.

WOLF (FIELD)  
 (Adjoins WOLF property)  
 Big Creek Resources Ltd

Work Target  
 115 I 2 (98)  
 62°14'N, 136°57'W  
 1987

References: INAC (1987, p. 356)

Claims: FIELD 1-30

Source: Summary by W.P. LeBarge of assessment report 091972 by C.A. Main (Archer, Cathro and Associates (1981) Ltd).

#### History:

The FIELD claims were staked in 1986 by Freegold Venture on the basis of a gold-arsenic anomaly discovered by the Geological Survey of Canada. In April 1987 the property was optioned to Big Creek Resources Ltd on behalf of Big Creek Joint Venture.

#### Description:

The claim group is underlain by foliated hornblende-biotite granodiorite of the Triassic Granite Mountain batholith. Paleozoic biotite-quartz-feldspar schist and feldspar augen gneiss outcrop to the south.

#### Current Work and Results:

In 1987 limited geochemical sampling was carried out on the property and one trench was excavated. Twelve silt samples and sixty-three soil samples were analysed for gold only. All samples returned values of less than 5 ppb Au.

TOAST  
 Big Creek Resources Ltd

Work Target  
 115 I 3 (113)  
 62°10'N, 137°27'W  
 1987

References: INAC (1987, p. 356)

Claims: TOAST 1-36



**Source:** Summary by W.P. LeBarge of assessment report 091973 by C.A. Main (Archer, Cathro and Associates (1981) Ltd).

**History:**

The TOAST claims were staked in 1986 by Freegold Venture on the basis of a gold geochemical silt anomaly discovered by the Geological Survey of Canada. The property was optioned to Big Creek Resources Ltd on behalf of Big Creek Joint Venture in 1987.

**Description:**

Hornblende-quartz monzonite of the mid-Cretaceous Dawson Range Batholith outcrops on the property. To the southwest, Paleozoic? metamorphic rocks are in contact with Late Cretaceous Mount Nansen Group andesitic flows, flow breccias and related dykes.

**Current Work and Results:**

Twenty-five silt samples and 37 soil samples were collected and analysed for gold in 1987. One silt sample was anomalous with a value of 55 ppb Au. Two soil samples returned anomalous values of 25 and 20 ppb Au, respectively. Resampling at the original GSC location failed to duplicate the original values of 767 and 122 ppb Au.

**MAIN**  
Noranda Exploration Co. Ltd

Work Target  
115 I 9 (115)  
62°34'N, 136°05'W  
1987

**References:** INAC (1987, p. 356)

**Claims:** MAIN 1-20

**Source:** Summary by T. Bremner of assessment report 091954 by H. Copland.

**History:**

The MAIN claims were staked in 1986 to cover a silt anomaly of 3.8 ppm Sb and 141 ppb Au following the release of a government geochemical survey.

**Description:**

Porphyritic monzonite of the Jurassic Tatchun Batholith underlies the property. The intrusion is sheared and foliated and cut by several aplite dykes.

**Current Work and Results:**

Reconnaissance geochemical samples were taken in 1987 including soil, silt and heavy mineral concentrates. Sampling was impeded by an extensive blanket of till and volcanic ash. Only three soil samples were anomalous, with 770 ppb Au as the highest value. Silt sampling produced no anomalies and the original value of 141 ppb Au could not be duplicated.

**19. TAD**

Noranda Exploration Co. Ltd  
115 I 12  
62°38'N, 137°56'W

Claims: TORO 47-56

**26. REVENUE**

Archer, Cathro and Associates  
(1981) Ltd  
115 I 6  
60°20.5'N, 137°16'W

Claims: SUBTRACT IF, 2, 3

**26. REVENUE**

Archer, Cathro and Associates  
(1981) Ltd  
115 I 6  
62°21'N, 137°14'W

Claims: ANGUS 1-24

**32. RED FOX**

R. Granger  
115 I 6  
62°17'N, 137°11'W

Claims: RAG 29 FR

**33. ANTONIUK**

G. McIntyre  
115 I 6  
62°23'N, 137°24'W

Claims: TIPI 1-2

**42. ESANSEE**

Archer, Cathro and Associates  
(1981) Ltd.  
115 I 3  
62°08'N, 137°15'W

Claims: TAWA 72-90

**69. ZIT**

Aurchem Exploration Ltd  
115 I 3  
62°20'N, 137°17'W

Claims: BIT 1-5

**73. SELKIRK**

Noranda Exploration Co. Ltd  
115 I 12  
62°48'N, 137°58'W

Claims: HAY 1-22

**83. GOLDY**

R. Granger  
115 I 6  
62°15'N, 137°12'W

Claims: BRAD FR, F FR, DARB 5-10

**98. WOLF**

L. Lebedoff, R. Granger  
115 I 2  
63°43'N, 136°53'W

Claims: WOLF 33-48; WOLF 1-2 FR

**110. PAM**

G. Dickson  
115 I 3  
62°07.5'N, 137°10'W

Claims: PAM 1-12

**110. PAM**

B. Harris, R. Stack  
115 I 3, 6  
62°15'N, 137°11'W

Claims: BOO 1-104

**113. TOAST**

E. Curley  
115 I 3  
62°09'N, 137°27'W

Claims: BUTTER 1-12; JAM 1-16

**119. PEL**

Dominion Explorers Inc  
115 I 1  
62°04'N, 136°04'W

Claims: PEL 1-8

**121. DOWS**

E. Curley  
115 I 3  
62°02'N, 137°16'W

Claims: DOWS 1-16

**123. OUT**

R. Stack  
115 I 6  
62°18'N, 137°15'W

Claims: OUT 1-16

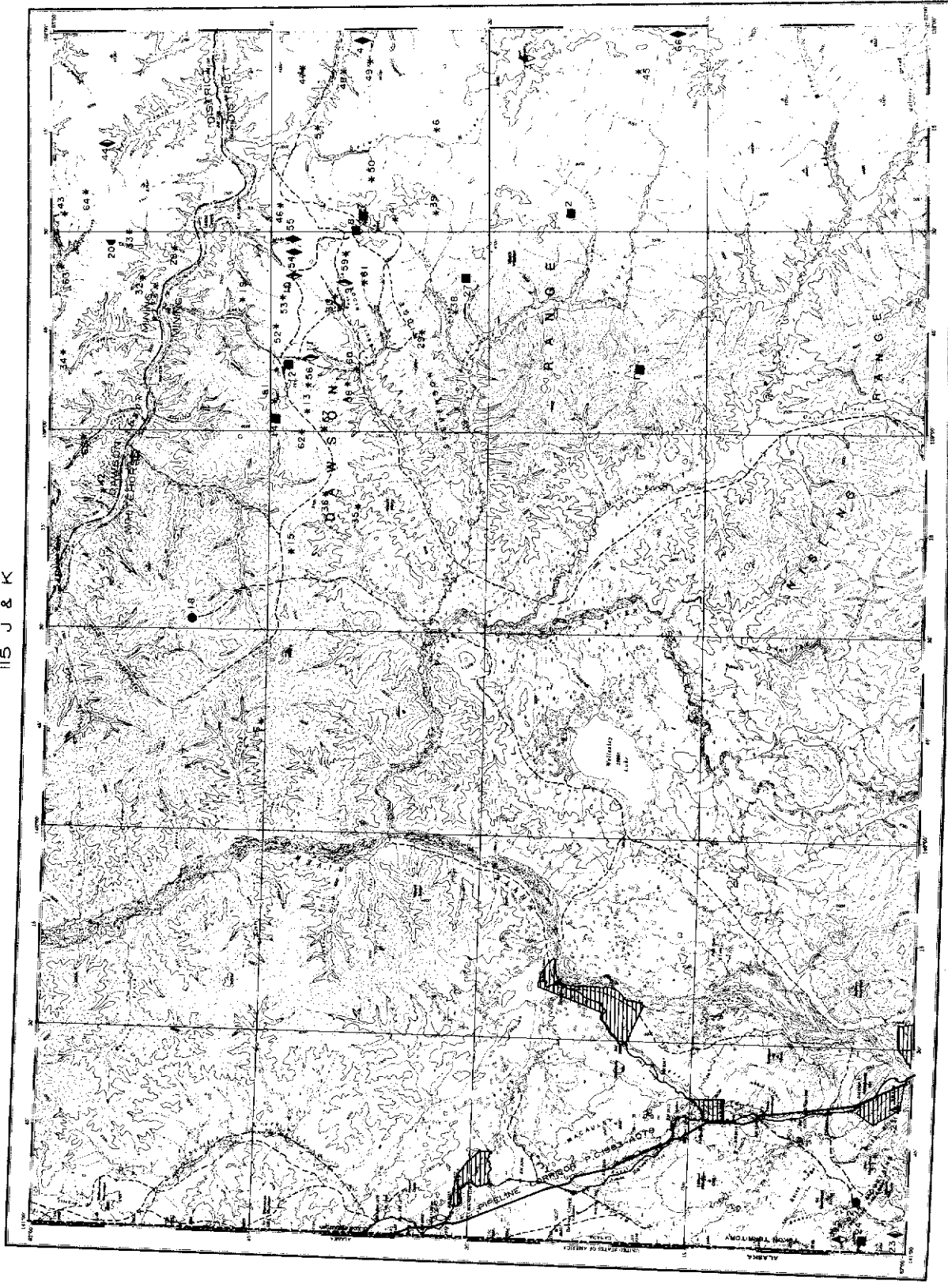
**124. KITZA**

C. Hart  
115 I 6  
62°17'N, 137°14'W

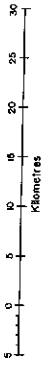
Claims: KITZA 1-6



115 J & K



SNAG TERRITORY  
YUKON TERRITORY



Lands withdrawn from staking  
(see specific claim map for  
additional location and  
additional sites of withdrawal)



Total Trail  
Driveable Road  
Airstrip



## SNAG MAP-AREA (NTS 115 J-K)

General References: GSC Map 10-1973 and Paper 73-41 by D.J. Tempelman-Kluit, 1974a;  
 INAC Open File 1987-3 (115 J 9 and 10, 115 I 5) by J.G. Payne et al., 1987;  
 GSC Geochem Open File 1363.

NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 KLOT	Porphyry Cu Mo	115 J 7	7	Morin et al (1978, p. 72)
2 SOMME	Porphyry Cu Mo	115 J 8	7	Craig and Laporte (1972, p. 72)
3 PRIDE	Vein Cu	115 J 8	7	
4 HAYES	Vein Au Ag	115 J 9	6	Payne et al (1987, p. 107-110); INAC (1987, p. 360)
5 SELNYM	Work Target	115 J 9	9	Bostock (1944)
6 CROCK	Work Target	115 J 9	9	Payne et al (1987, p. 127); INAC (1987, p. 364); This Report
7 COCKFIELD	Porphyry Cu Mo	115 J 9	7	Payne et al (1987, p. 105-107)
8 CO	Porphyry Cu Mo	115 J 9, 10	7	INAC (1981, p. 266);
9 RUDE CREEK	Vein Ag Pb Zn	115 J 10	7	Payne et al (1987, p. 104-105)
10 HORDEX	Vein Ag Pb	115 J 10	7	Payne et al (1987, p. 119)
11 BOMBER	Vein Ag Pb Zn	115 J 10	7	Payne et al (1987, p. 102-104)
12 CASINO	Porphyry Cu Mo	115 J 10	2	Payne et al (1987, p. 99-102); This Report
13 AZTEC	Work Target	115 J 10	9	Payne et al (1987, p. 119-120)
14 ZAPPA	Porphyry Cu Mo, Vein Au Ag	115 J 10	7	Payne et al (1987, p. 115);
15 BOREAL	Work Target	115 J 11	9	Craig and Laporte (1972, p. 42-44)
16 BID	Work Target	115 J 12	9	Craig and Laporte (1972, p. 38-39)
17 VINA	Work Target	115 J 13	9	Craig and Laporte (1972, p. 35-37)
18 TONI TIGER	Skarn Cu Fe	115 J 14	7	Craig and Laporte (1972, p. 40-41)
19 MARGUERITE	Work Target	115 J 15	9	Craig and Laporte (1972, p. 51-52)
20 SCROGGIE	Disseminated Cu Mo	115 J 15	7	INAC (1981, p. 266)
21 ONION	Mafic/ultramafic associated Ni Cu Mo	115 K 2	7	
22 NUTZOTIN	Skarn Cu Fe	115 K 2	7	INAC (1983, p. 207)
23 CALIFORNIA	Vein Au	115 K 2	7	Cairnes (1915, p. 123)
24 TRUDI	Porphyry Cu Mo	115 K 2	7	
25 RIP	Vein Cu	115 K 2	7	Cairnes (1915, p. 121-122)
26 BATRICK	Vein Mn	115 K 10	5	Bostock (1952, p. 44-45)
27 PATTISON	Porphyry Cu Mo	115 J 10	7	Payne et al (1987, p. 123-124)
28 BRI	Work Target	115 J 15	9	INAC (1981, p. 267)
29 STEVENSON	Work Target	115 J 10	9	INAC (1981, p. 267)
30 LESLIE	Work Target	115 J 10	9	INAC (1981, p. 267)
31 CHAIR	Work Target	115 K 2	9	INAC (1981, p. 267; 1983, p. 207; 1986, p. 195); This Report
32 NEF	Work Target	115 J 15	9	INAC (1981, p. 267); Morin et al (1980, p. 26)
33 MK	Work Target	115 J 15	9	INAC (1981, p. 267)
34 HASL	Work Target	115 J 15	9	INAC (1981, p. 267)
35 DOYLE	Work Target	115 J 11	9	Sinclair et al (1976, p. 147)
36 COFFEE	Work Target	115 J 11	9	Sinclair et al (1976, p. 147)
38 WHISKEY JOE	Work Target	115 J 10	9	INAC (1982, p. 221)
39 JOE	Work Target	115 J 9	9	INAC (1982, p. 221)
41 KOE	Work Target	115 J 9	9	Payne et al (1987, p. 105-107); INAC (1987, p. 361)
42 DISCOVERY	Work Target	115 J 14	9	INAC (1986, p. 195)
43 LISHRA	Work Target	115 J 16	9	INAC (1986, p. 195)
44 SIZZLER	Vein Au	115 J 16	7	INAC (1987, p. 362)
45 SHADOW	Vein Au Ag	115 J 8	7	INAC (1987, p. 362-363); This Report
46 SHERIDAN	Work Target	115 J 9	9	Payne et al (1987, p. 124-125)
47 OATS	Work Target	115 J 9	9	Payne et al (1987, p. 125)
48 GUESS	Work Target	115 J 9	9	Payne et al (1987, p. 125-126)
49 STRAN	Work Target	115 J 9	9	Payne et al (1987, p. 126)
50 BATTLE	Work Target	115 J 9	9	Payne et al (1987, p. 126-127)
51 ANA	Work Target	115 J 10	9	Payne et al (1987, p. 116)
52 PEG	Work Target	115 J 10	9	Payne et al (1987, p. 116)
53 TOAD	Work Target	115 J 10	9	Payne et al (1987, p. 117)
54 ISAAC	Vein Au Ag Pb Zn	115 J 10	7	Payne et al (1987, p. 118)
55 IDAHO	Vein Au Ag	115 J 10	7	Payne et al (1987, p. 118); INAC (1987, p. 363-364)
56 HOLE	Work Target	115 J 10	9	Payne et al (1987, p. 120)
57 GEP	Work Target	115 J 10	9	Payne et al (1987, p. 120-121)
58 CLEVELAND	Work Target	115 J 10	9	Payne et al (1987, p. 121)
59 HAXE	Work Target	115 J 10	9	Payne et al (1987, p. 121-122)
60 RONGE	Work Target	115 J 10	9	Payne et al (1987, p. 122)
61 VIC	Work Target	115 J 10	9	Payne et al (1987, p. 123)
62 ANA	Work Target	115 J 10	9	This Report
63 ROI	Work Target	115 J 15	9	This Report
64 JK	Work Target	115 J 16	9	This Report
65 ORO	Work Target	115 J 14	9	This Report
66 FOG	Vein Au Ag	115 J 8	7	This Report

**COCKFIELD**  
Nordac Mining Corp.

Copper, Molybdenum Porphyry  
115 J 9, 10 (7)  
62°38'N, 138°30'W  
1986

Reference: Payne et al. (1987, p. 107-110).

Claims: OKE 1-76; HEN 1-88; KOKUP 1-24

Source: Summary by T. Bremner of assessment report 091924 by R.C. Carne (Archer, Cathro and Associates (1981) Ltd.)

**Current Work and Results:**

In 1986, 196 soil samples were collected on ten regional traverses across the Mt. Cockfield property. The samples were assayed for gold by neutron activation analysis, and returned a number of anomalous values up to 305 ppb Au over a background of 2-3 ppb Au.

Chalcedonic quartz veins which carry gold and silver values on the adjacent KOE claims extend north and south onto the Nordac property. Some of the most anomalous samples taken in 1986 were roughly on trend with these veins.

**CASINO**  
Nordac Mining Corporation

Copper, Molybdenum Porphyry  
115 J 10 (12)  
62°43'N, 138°60'W  
1986

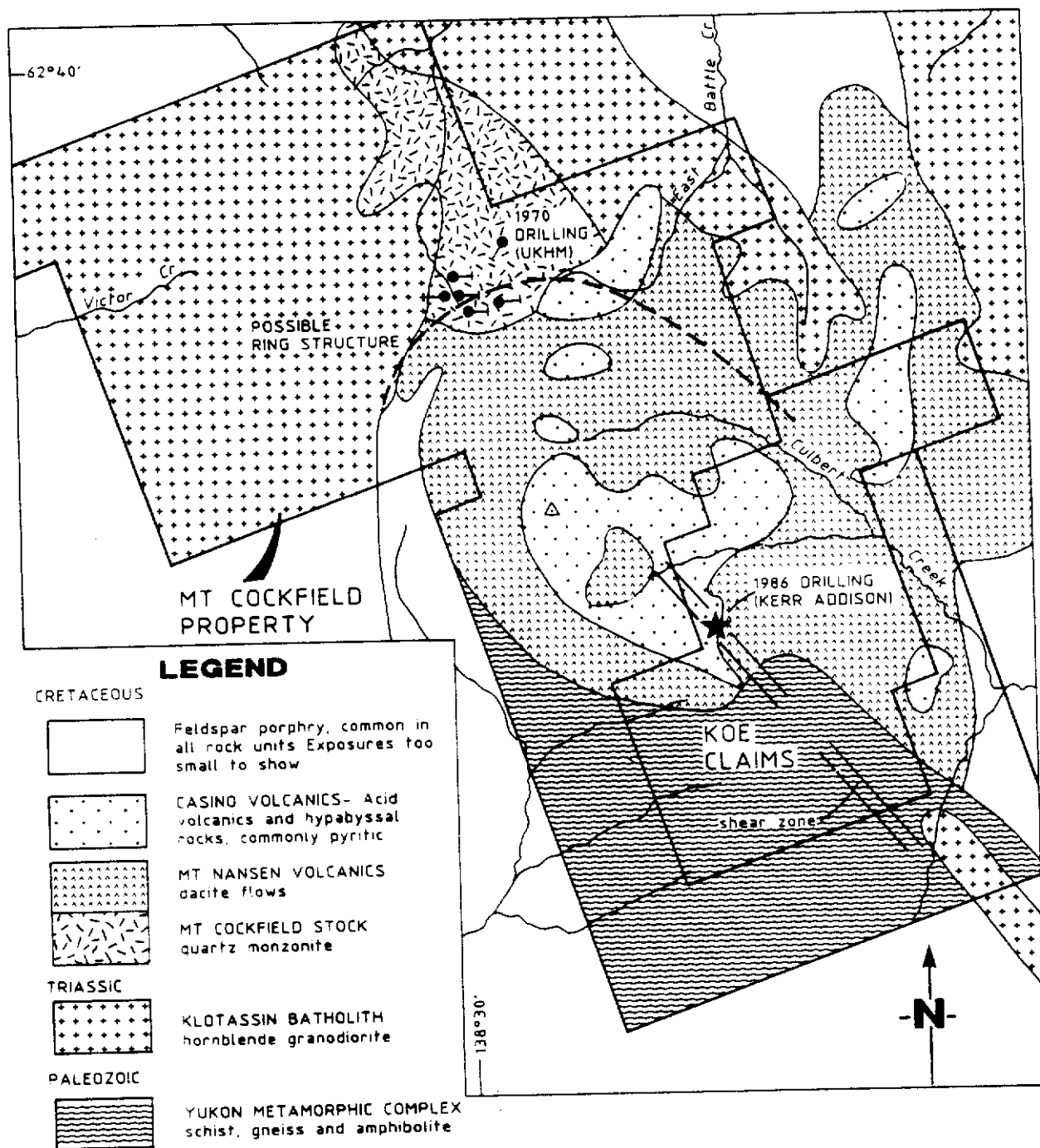
References: Payne et al (1987, p. 99-102); Craig and Laporte (1972, p. 55-57)

Claims: ANA 1-56

Source: Summary by W.P. LeBarge from assessment report 091703 by R.C. Carne (Archer, Cathro and Associates (1981) Ltd).

**Current Work and Results:**

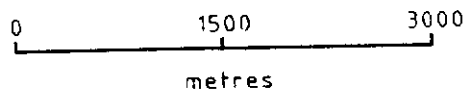
In 1986 a geochemical survey was carried out on the ANA claims. Two hundred and fifty B-Horizon soil samples were analysed for gold only. Background values were above 30 ppb Au, and a number of north-northeast trending zones exceeded 150 ppb Au. The highest value obtained was 414 ppb Au.



## MT COCKFIELD PROPERTY

GENERAL GEOLOGY FROM  
ASSESSMENT REPORT

091924 by  
R.C. CARNE (1987)





CHAIR  
G. Harris

Work Target  
115 K 2 (31)  
62°02'N, 140°45'W  
1986-87

References: INAC (1983, p. 207)

Claims: CHAIR GOLD 1-12, 15-18

Source: Summary by T. Bremner of assessment report 091955 by G. Davidson.

#### History:

Trenching on the almost adjacent GOLD claims northeast of Chair Mountain in the late 1960's uncovered copper-bearing skarn. Several old blast pits are also evident near the summit of Chair Mountain, and quartz float collected from the south face of Chair Mountain in the 1960's reportedly contained up to 8.6 g/t Au.

#### Description:

Andesitic metavolcanic rocks of the Pennsylvanian? Station Creek Formation and argillite, greywacke, conglomerate and limestone of the Permian Hasen Creek Formation are cut by a northwest-trending fault which is intruded by quartz feldspar porphyry dykes. The dykes are strongly clay-altered, contain up to 25% pyrite and form orange gossans. Quartz veins are common but generally contain no visible sulphides. However, veins exposed in several old hand pits near the summit of Chair Mountain are stained with malachite and azurite and contain minor tetrahedrite and pyrite.

#### Current Work and Results:

Reconnaissance mapping and prospecting was done in 1986. Soil samples from gossan overlying porphyry dykes returned up to 85 ppb Au. The old pits on Chair Mountain were resampled, returning up to 4.2 ppm Ag. Several quartz veins on the east bank of Sanpete Creek were exposed by blasting. The largest pit exposed a quartz vein 1.5 m wide which contained up to 5% sphalerite and minor galena. A chip sample across the vein returned 500 ppb Au.

FOG  
Kerr Addison Mines Ltd

Gold, Silver Vein  
115 J 8 (66)  
62°18'N, 138°02'W  
1986

References: INAC (1987, p. 362)

Claims: FOG 1-24

Source: Summary by T. Bremner of assessment report 091950 by J. Pautler.

#### Description:

Cretaceous granodiorite is intruded by dykes and small stocks of rhyolite and quartz-feldspar porphyry. Northwest to west-trending quartz-siderite veins with pyrite and minor tetrahedrite also cut the granodiorite. The rhyolitic rocks are commonly clay-altered. Adjacent to quartz veins, the rhyolitic rocks are sericitized and silicified and the granodiorite exhibits clay and pyrite alteration. The FOG vein consists of sheeted quartz vein talus extending over a 300 x 30 m area. A vein of quartz-carbonate breccia identified as VEIN 2 occurs southwest of the FOG vein and appears to be 500 m long and 0.2 to 2 m wide. Many other quartz veins are indicated on the property.

#### Current Work and Results:

Soil and VLF surveys were done in 1986 over the northeast half of the property. Grab samples returned values up to 2 g/t Au and 4.3 g/t Ag from the FOG vein zone. VLF results suggest FOG zone consists of several subparallel veins trending west to northwest.

VEIN 2 coincides with a VLF conductor and an Sb soil anomaly. A pyritic section of this vein contained 65 ppb Au. Other veins and stringers on the property contain gold values in the 50 to 250 ppb range. Many occurrences of quartz float across the property occur within and along VLF conductors.

**42. MCDISCOVERY**

F. Stretch  
115 J 14  
62°56'N, 139°10'W

Claims: FREBRU 1-4

**43. L'SHRA**

D. Morris  
115 J 15, 16  
62°59'N, 138°30'W

Claims: MJ 1-10

**63. ROI**

S. Cone  
115 J 15  
62°59'N, 138°35'W

Claims: ROI 1-42

**64. JK**

Ger Van Resources Ltd  
115 J 16

62°58'N, 138°24'W

Claims: JK 1-4, SG 1-32

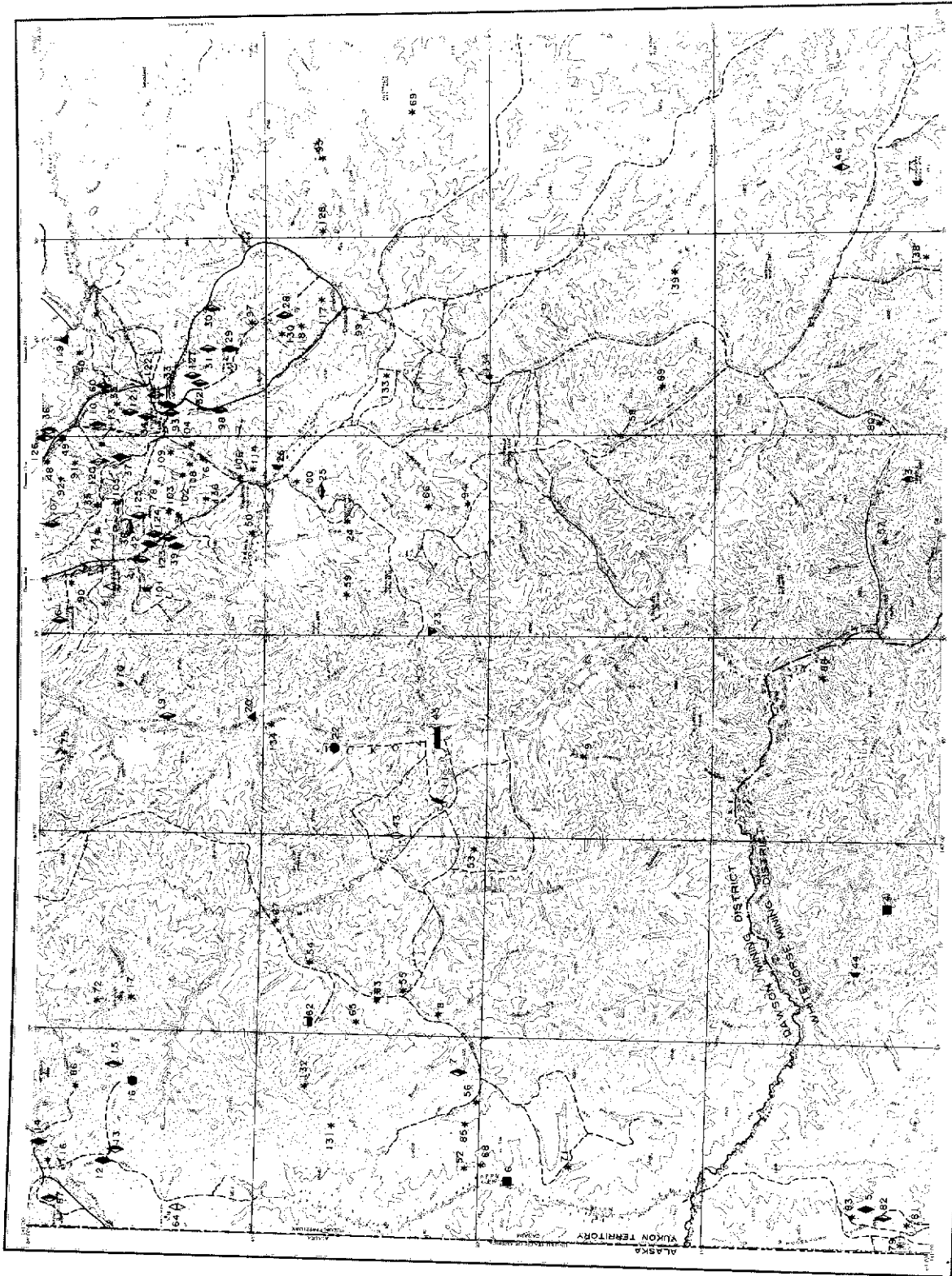
**65. ORO**

M. Anderson  
115 J 14  
60°57.5'N, 139°01'W

Claims: ORO

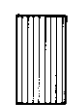


115 O & N

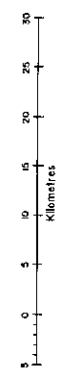


STEWART RIVER  
YUKON TERRITORY

Lands withdrawn from staking  
due to Native Land Claims  
see specific claim map for  
details and for  
additional sites of withdrawal.



Total Trail  
Driveable Road  
Airstrip



## STEWART RIVER MAP-AREA (NTS 115 N-O)

General References: GSC Map 18-1973 and Paper 73-41 by D.J. Tempelman-Kluit, 1974a;  
 GSC Map 711A by H.S. Bostock, 1942 (115 0);  
 INAC Open File (115 0 9, 10, 11, 14, 15, 16 and 116 B 2, 3) by R.L. Debicki, 1984  
 and 1985;  
 GSC Geochem Open Files 1364 and 520.

NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 TREVA	Deleted: no information			
2 NORTHERN LIGHTS	Deleted: no information			
3 BLACK FOX	Vein Pb Cu	115 0 3	7	Cairnes (1917, p. 33-34)
4 ARIES	Porphyry Cu Mo	115 N 1	7	
5 MOOSEHORN	Vein Au Ag	115 N 2	5	Morin <i>et al</i> (1977, p. 185); Morin <i>et al</i> (1977, p. 33-54)
6 LADUE	Porphyry Cu Mo	115 N 7	7	
7 SANTA	Vein Ag Pb Sn	115 N 10	7	
8 SVENN	Work Target	115 N 9	9	Cockfield (1921, p. 52)
9 EXCELSIOR	Work Target	115 0 5	9	MacLean (1914, p. 121)
10 COMET	Deleted: no information			
11 TENMILE	Vein Au Ag	115 0 12	7	McConnell (1902, p. 25-39)
12 LUBRA	Vein Ag Pb Au	115 N 15	7	Tempelman-Kluit (1974a, p. 74)
13 CONNAUGHT	Vein Ag Pb Cu Mo	115 N 15	5	INAC (1982, p. 224)
14 PER	Vein Au Ag Pb Zn Cu	115 N 15	6	INAC (1987, p. 369); This Report
15 BUTLER	Vein Ag Pb Zn	115 N 15	6	Cockfield (1919a, p. 8); Craig and Laporte (1972, p. 32-34)
16 FIFTY	Skarn Cu	115 N 15	7	
17 ENCHANTMENT	Work Target	115 N 16	9	Tempelman-Kluit (1973, p. 48-49)
18 MONTE CRISTO	Deleted: no information			
19 PICKERING	Vein Au	115 0 13	7	MacLean (1914, p. 120)
20 INDIAN	Asbestos	115 0 13	7	
21 BISHOP	Deleted: no information			
22 WOOD	Skarn Cu	115 0 12	7	
23 LUCKY JOE	Stratabound discordant Cu	115 0 12, 11	7	INAC (1981, p. 271); McClintock and Sinclair (1986)
24 HAYSTACK	Work Target	115 0 11	9	MacLean (1914, p. 205)
25 MCKINNON	Consolidated placer Au	115 0 11	7	Lowe (1985)
26 RAVEN	Occurrence Cu	115 0 11	7	Morin <i>et al</i> (1980, p. 28); Debicki (1985); INAC (1986, p. 215)
27 FOTHERGILL	Deleted: no information			
28 KENTUCKY LODE	Vein Au	115 0 10	7	Debicki (1985); INAC (1986, p. 200); This Report
29 GOLD RUN	Vein Au Ag	115 0 15	7	Debicki (1985); INAC (1986, p. 207)
30 PORTLAND	Vein Au	115 0 15	7	Debicki (1985); INAC (1986, p. 208)
31 DOMINION	Vein Au Pb	115 0 15	7	Debicki (1985); INAC (1986, p. 210)
32 LLOYD	Vein Au	115 0 15	7	Debicki (1985); INAC (1986, p. 210)
33 HUNKER DOME	Vein Au Ag Pb	115 0 15	7	Debicki (1984)
34 MITCHELL	Vein Au	115 0 15	7	INAC (1983, p. 210-211); Debicki (1984)
35 FAWCETT	Work Target	115 0 15	7	INAC (1986, p. 212)
36 BUM	Vein Ag Cu	115 0 15	7	Gleeson (1970, p. 14-15); Craig and Milner (1975, p. 13); Debicki (1984)
37 BOX CAR	Vein Au Ag Cu	115 0 14	7	Debicki (1984); INAC (1986, p. 202); This Report
38 LONE STAR	Vein, stratabound Au	115 0 14	3	Debicki (1984); INAC (1987, p. 370); This Report
39 VIOLET	Vein Au Ag	115 0 14	7	Debicki (1984); INAC (1987, p. 370); This Report
40 LEOTTA	Work Target	115 0 15	9	Debicki (1985)
41 HILCHEY (RON)	Vein Au	115 0 14	7	Debicki (1984); INAC (1985, p. 264)
42 BUCKLAND	Vein Au Ag	115 0 14	7	Green and Godwin (1963, p. 19); Gleeson (1970, p. 16)
43 SUSTAK	Vein Fe	115 N 9, 115 0 12	7	
44 PROSPECT	Occurrence Cu	115 N 1	7	
45 CRUIKSHANK	Coal	115 0 12	7	
46 MCMICHAEL	Vein Cu	115 0 1	7	
47 GOLDEN ROD	Deleted: no information			
48 HEFFRING	Work Target	115 0 14	9	Debicki (1984)
49 TRILBY	Work Target	115 0 14	9	Debicki (1984)
50 TORRANCE	Work Target	115 0 14	9	Debicki (1984)
51 BALD EAGLE	Vein Ba	115 0 14	7	INAC (1981, p. 271)
52 STEVO	Work Target	115 N 10	9	INAC (1981, p. 274)
53 FLUME	Work Target	115 N 9	9	INAC (1981, p. 274)
54 TYRRELL	Work Target	115 N 9	9	INAC (1981, p. 274);
55 SNIP	Work Target	115 N 9	9	INAC (1981, p. 274)
56 DOLE	Work Target	115 N 10	9	INAC (1981, p. 274)
57 THIS	Work Target	115 0 3	9	INAC (1981, p. 274); 1986, p. 215)

58	MAISY	Work Target	115 0 6, 7	9	INAC (1981, p. 274)
59	RUBY	Work Target	115 0 11	9	INAC (1981, p. 274)
60	HUNK	Vein Au	115 0 15	6	INAC (1987, p. 371)
61	MT. BRONSON	Vein Pb Au	115 0 14	7	INAC (1981, p. 272-273); Debicki (1984); This Report
62	JOVE	Granite-hosted U	115 N 9	7	INAC (1981, p. 273)
63	SON	Work Target	115 N 9	9	INAC (1981, p. 273)
64	CRAG	Breccia U	115 N 15	7	INAC (1981, p. 273)
65	DOORMAT	Work Target	115 N 9	9	Morin et al (1977, p. 138-139)
66	BISMARCK	Work Target	115 0 11	9	Morin et al (1980, p. 27)
67	HEC-TOR	Work Target	115 N 9	9	Morin et al (1980, p. 27)
68	BORD	Work Target	115 N 7, 10	9	Morin et al (1980, p. 27)
69	LIL	Work Target	115 0 9	9	Morin et al (1980, p. 28)
70	RON	Work Target	115 0 13	9	INAC (1982, p. 224)
71	BUD	Work Target	115 N 7	9	INAC (1982, p. 224)
72	MT. HART	Work Target	115 N 16	9	INAC (1982, p. 224)
73	PYROXENE	Occurrence Au	115 0 1	7	INAC (1987, p. 377); This Report
74	CIM	Work Target	115 0 14	9	INAC (1982, p. 224)
75	HUNG	Work Target	115 0 13	9	INAC (1982, p. 224)
76	READFORD	Work Target	115 0 14	9	INAC (1982, p. 224)
77	EVING	Work Target	115 0 14	9	INAC (1982, p. 224)
78	ORO	Work Target	115 0 14	9	INAC (1982, p. 224)
79	LODE	Work Target	115 N 2	9	INAC (1983, p. 210-212)
80	DL	Work Target	115 0 2	9	INAC (1985, p. 265); This Report
81	GIT	Work Target	115 N 2	9	INAC (1985, p. 265)
82	REEF	Vein Au	115 N 2	7	INAC (1986, p. 215); This Report
83	HIT	Work Target	115 N 2	9	INAC (1985, p. 266)
84	HILL	Work Target	115 N 2	9	INAC (1985, p. 266)
85	MAT	Work Target	115 N 10	9	INAC (1985, p. 261)
86	FOXY	Work Target	115 N 15	9	INAC (1985, p. 266)
87	MOLY	Vein Ag	115 N 15	7	INAC (1985, p. 266); This Report
88	VANESSA	Work Target	115 0 4	9	INAC (1985, p. 266)
89	STAR	Work Target	115 0 7	9	INAC (1985, p. 261)
90	DAWSYND	Work Target	115 0 14, 116 8 3	9	INAC (1987, p. 372-373); This Report
91	DAWSON	Work Target	115 0 14	9	INAC (1985, p. 265); 1986, p. 216); This Report
92	BREMNER	Work Target	115 0 14	9	Debicki (1984); INAC (1985, p. 266)
93	KLOOK	Vein Au	115 0 15	7	INAC (1986, p. 213)
95	HAM	Work Target	115 0 9	9	INAC (1986, p. 215)
96	LASS	Deleted: same as #28 KENTUCKY LODE			
97	RUN	Work Target	115 0 10, 15	9	INAC (1986, p. 215)
98	SUL	Vein Au	115 0 10, 15	6	INAC (1987, p. 371); This Report
99	MARGE	Work Target	115 0 10	9	INAC (1986, p. 215);
100	ANN	Work Target	115 0 11	9	INAC (1986, p. 216)
101	HANK	Vein Au	115 0 14	7	INAC (1987, p. 372-375); This Report
102	KH	Work Target	115 0 14	9	INAC (1986, p. 216)
103	REX	Work Target	115 0 14	9	INAC (1986, p. 216)
104	BRAZIL	Work Target	115 0 14	9	INAC (1986, p. 216)
105	BGN	Work Target	115 0 14	9	INAC (1986, p. 216);
106	QUA	Work Target	115 0 14	9	INAC (1986, p. 217);
107	BEA	Vein Au	115 0 14	6	INAC (1987, p. 375-376)
108	CAN	Work Target	115 0 14	9	INAC (1986, p. 217);
109	KLATHRO	Work Target	115 0 14, 15	9	INAC (1986, p. 217);
110	CUAG (GOLD BOTTOM)	Vein Cu Ag	115 0 15	7	INAC (1986, p. 217);
111	SAS	Deleted: same as #29 GOLD RUN			This Report
112	DOM	Deleted: same as #30 PORTLAND			This Report
113	FAWCETT	Work Target	115 0 15	9	INAC (1986, p. 217); This Report
114	HAREM	Work Target	115 0 14	9	INAC (1987, p. 377)
115	KEY	Deleted: same as #25 MCKINNON			
116	SIXTY MILE	Work Target	115 N 15	9	INAC (1987, p. 377)
117	RIJ	Work Target	115 0 10	9	This Report
118	BITA	Work Target	115 0 10	9	This Report
119	ASBESTOS BLUFF	Asbestos	115 0 15	7	Debicki (1984)
120	KEYNOTE	Vein Pb	115 0 14	7	Debicki (1984)
121	ALPHONSE	Vein Au	115 0 15	6	Debicki (1984)
122	SUMMIT	Vein Pb	115 0 15	7	Debicki (1984)
123	CULLEN	Vein Au	115 0 14	7	Debicki (1984)
124	BUCKLAND	Vein Au	115 0 14	7	Debicki (1984)
125	ELDRADO DOME	Vein Au	115 0 14	7	Debicki (1984)
126	PUP (TOM)	Vein Pb Cu	115 0 14	7	Craig and Milner (1975, p. 13)
127	GREEN GULCH	Vein Au	115 0 15	7	Debicki (1985)
128	BURNHAM	Work Target	115 0 9	9	Debicki (1985)
129	KENTUCKY LODE	Deleted: same as #28 KENTUCKY LODE			
130	KENTUCKY WEST	Work Target	115 0 10	9	Debicki (1985)
131	JILL	Work Target	115 N 10	9	This Report
132	CAPE	Work Target	115 N 10	9	This Report
133	AJM	Work Target	115 0 10	9	This Report
134	CHI	Work Target	115 0 7, 10	9	This Report
135	HOPE	Work Target	115 0 14	9	This Report
136	FOX	Work Target	115 0 14	9	This Report
137	J.A.E.	Work Target	115 0 14	9	This Report
138	KEVIN	Work Target	115 0 2	9	This Report
139	PORKY	Work Target	115 0 7	9	This Report

PER  
Esso Minerals Canada

Gold, Silver, Lead, Zinc Vein  
115 N 15 (14)  
63°59'N, 140°48'W  
1986

References: INAC (1987, p. 369)

Claims: DELIA 1-6; WENDY 1-9

Source: Summary by W.P. LeBarge of assessment report 091734 by P.J. McGuigan (Esso Minerals Canada).

**Current Work and Results:**

The 1986 program consisted of 1:500 scale geological mapping and selected rock sampling. Mapping of three pits on the property revealed strongly fractured and altered andesite flows and andesite breccia. Complex fracturing and faulting was accompanied by early stage epidote-chlorite alteration, mid-stage clay-pyrite alteration and late-stage intrusion of andesite dykes. Mineralization consists of fracture coatings and irregular veinlets of pyrite, galena, sphalerite and chalcopyrite associated with a northeast-trending fault zone. The highest gold value was 1.80 g/t obtained from a pyritic yellow clay near silicified andesite.

MCKINNON  
Volcano Resources Corp.

Work Target  
115 0 11 (25)  
63°40'N, 139°07'W  
1985-86

References: Lowey (1985)

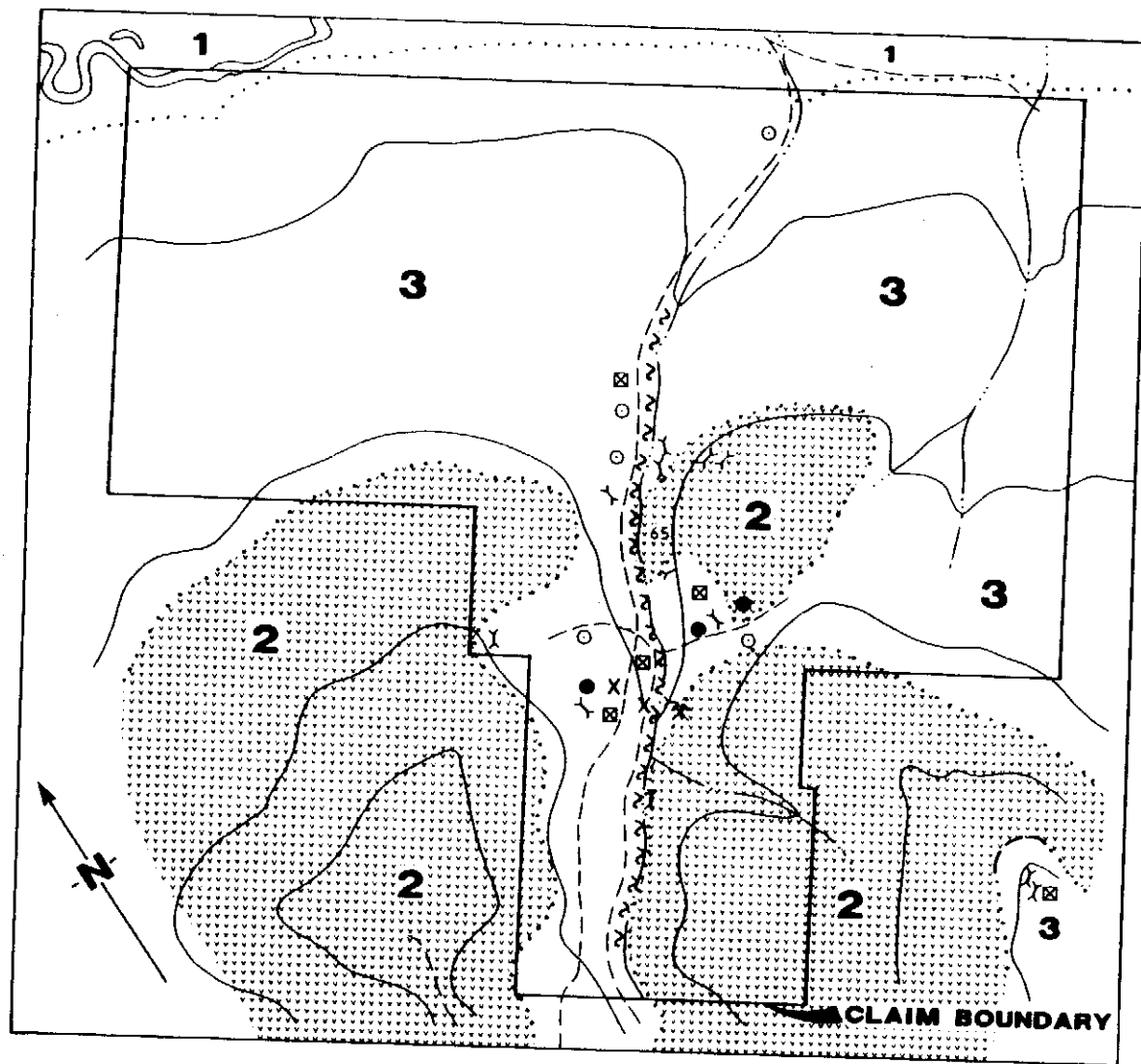
Claims: KEY 1-12, 14, 16-38

Source: Summary by T. Bremner of assessment reports 091941 and 092082 by D.H. Waugh.

**Description:**

Silt-sized gold particles occur in the matrix of the clast-supported McKinnon Creek conglomerate of Albian age. Gold values in the conglomerate range from a trace to 3.4 g/t. Numerous pits and trenches, three adits and four shafts attest past exploration on the property.



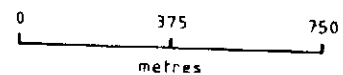


**McKINNON CREEK KEY PROPERTY**  
**McKINNON CREEK, INDIAN RIVER AREA**

GENERAL GEOLOGY FROM  
 ASSESSMENT REPORT  
 092082 BY  
 D.H. WAUGH

**LEGEND**

- 1** RECENT  
Unconsolidated alluvial deposits
- 2** PALEOCENE AND UPPER CRETACEOUS  
Carmacks Group-Haystack Andesite  
andesite and minor dacite
- 3** LOWER CRETACEOUS  
Indian River Formation: interbedded  
sandstone, shale, conglomerate and  
minor coal
- Geological boundary (approximate  
assumed)
- ~ ~ ~ Fault (assumed)
- ⊗ Mine (gold mine)
- ● Diamond drill hole, Rotary drill hole
- X Shaft
- └ Adit
- └ Trench
- ⊠ Building
- Trail
- 65 Radiometric age (millions of years)



GOLDEN DREAM and KIM claims were staked in 1965 by K. Miller and C. Anderson. Dawson Eldorado Gold Explorations Limited staked the KLAW claims in 1983 and carried out a limited program of geochemical sampling.

#### Description:

A major west-dipping thrust fault separates a Paleozoic hangingwall sequence of chlorite schist, chlorite-quartz schist and minor metagabbro from a Paleozoic footwall sequence of muscovite schist, quartz-muscovite schist, micaceous quartzite and chlorite-quartz schist. The fault zone is up to 100 metres thick and contains imbricated discontinuous bodies of serpentinite, carbonate-altered serpentinite, quartz-carbonate-chromium mica rock, talc-carbonate schist, chlorite schist and metagabbro. Subsidiary shears cutting the footwall are subparallel to the thrust fault. A small intrusion of Tertiary(?) quartz-feldspar porphyry outcrops south of the claims.

Numerous quartz veins and quartz sweats occur on the property, mainly along the trace of the thrust fault. Veins range in thickness from 0.6 to 1.2 metres and occasionally contain pyrite. Wire-like placer gold has been mined from 24 Pup on the east side of the property.

#### Current Work and Results:

Exploration in 1986 and 1987 was directed toward finding a lode source for the placer gold. The 1986 program of exploration consisted of prospecting and geochemical sampling. One hundred and fifty-two soil samples were collected and analyzed for 24 elements including gold, silver, copper, arsenic, lead and zinc. Several soil samples exceeded 20 ppb Au while the best value obtained was 107 ppb Au.

Bulldozer trenching and bedrock sampling were carried out in 1987. The trenches cut through 0.3 m of soil and 1-2.5 m of black muck, clay and bedrock fragments, bottoming in frost-heaved quartz-muscovite, quartz-chlorite and quartz-graphite schist. Forty-seven chip samples from 940 m of trench were analysed for 33 elements. Only six of the samples exceeded 20 ppb Au, the highest value being 87 ppb Au.

LONE STAR  
Arbor Resources Ltd/  
Dawson Eldorado Mines Ltd

Gold Vein/Stratabound  
115 0 14 (38)  
63° 53'N, 139° 14'W  
1986, 1987

**References:** INAC (1987, p. 370)

**Claims:** DE 1-14; AC 1-35; RJ 1-32, 39-60, 62-63, 65-70; RON 1-40; CIM 1-4; REX 1-51; DN 1-33, 1F, 2F, F; ND 1-22, F; VI 1-16, 18, 43-44; Crown Grants VICTORIA, PORPHYRY LODE, YANKEE GIRL, ESTER DNA, ARGYLE, NEW BONANZA, NEW BONANZA NO.2, NIOBE FRACTION LONE STAR, ZULU CHIEF, SWASTIKA, UDAS, CATO, THISTLE

**Source:** Summary by W.P. LeBarge of assessment reports 091756 by P. Grunenberg and R. Gonzalez (Mark Management Ltd), 091760 by Z. Dvorak (Aerodat Ltd) and 091754 by P.E. Walcott (Peter E. Walcott and Associates Ltd).

#### **Description:**

The LONE STAR property is underlain by well-foliated quartz-feldspar-sericite schist, graphitic schist, chloritic schist, quartz-eye schist and chlorite-muscovite quartzite of the Klondike Series. Northwest-trending quartz-feldspar porphyry and diabase dykes crosscut the schist while quartz occurs as pods, stringers and discordant veins throughout. Gold is found in discontinuous quartz veins and in several sulphide-rich horizons within quartz-muscovite and chlorite-muscovite schists.

#### **Current Work and Results:**

Extensive exploration was completed between June 1986 and February 1987, including an airborne geophysical survey, magnetometer surveys, VLF-EM16 and IP surveys, soil sampling, bulldozer trenching, diamond drilling and reverse circulation rotary drilling.

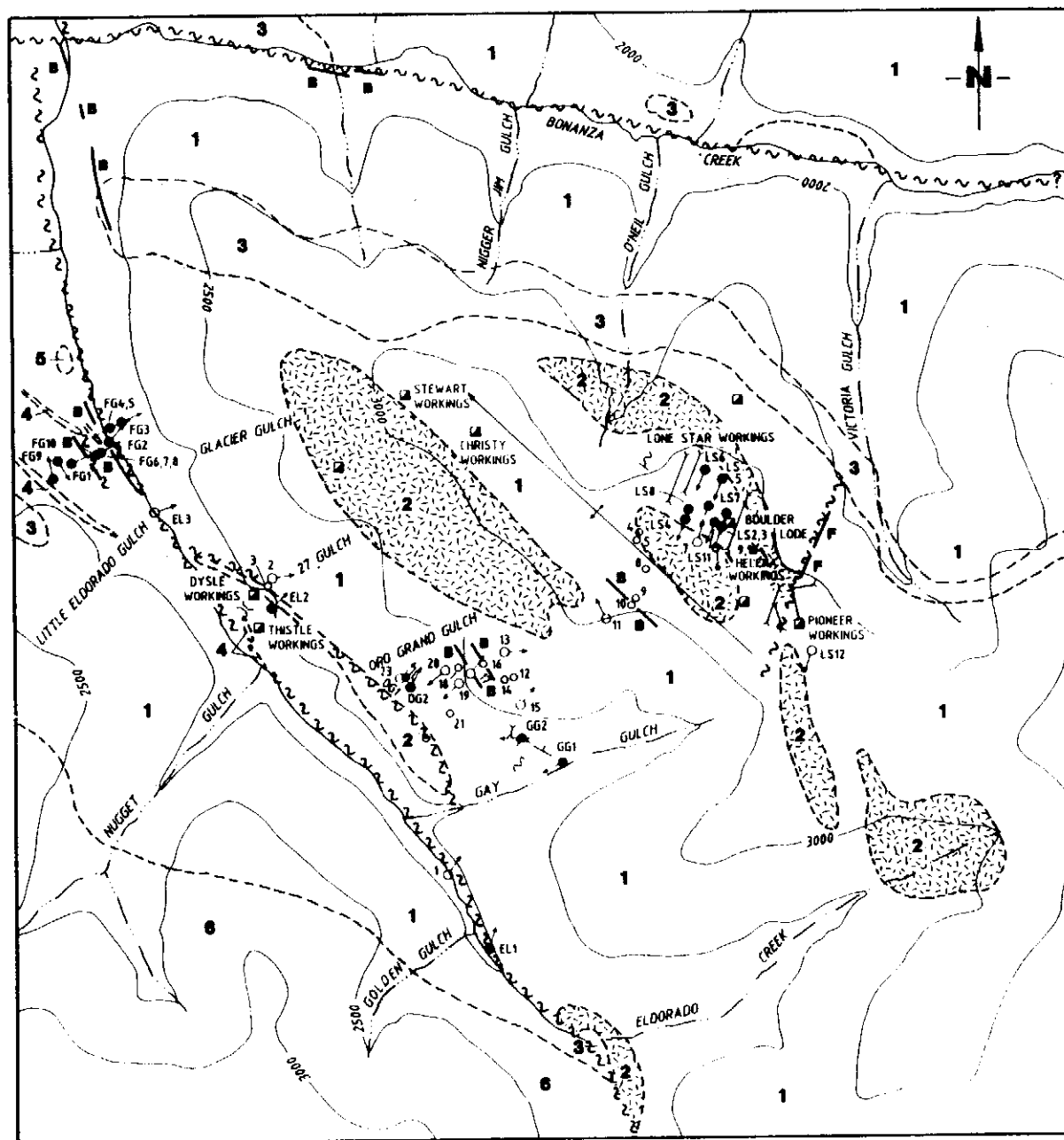
The airborne geophysical survey outlined several magnetic lows along valley floors, as well as some linear conductors. An IP survey detected a moderately chargeable zone near the old LONE STAR workings which is possibly due to low-grade sulphide mineralization within the schist.

Soil sampling located several anomalous areas which will be sampled in detail in the future. Gold values ranged as high as 1470 ppb.

Two trenches were excavated, one at 27 Pup Gulch and one at Oro Grande Gulch. The 27 Pup trench exposed quartz-muscovite schist with several clay-rich shears but no significant quartz veining. The Oro Grande trench failed to reach bedrock due to permafrost but did uncover a number of large quartz blocks from an undetermined source.

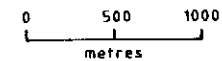
Diamond drilling of twenty-nine holes totalling 2618 metres was concentrated in three target areas; French Gulch, Eldorado Creek, and near the old LONE STAR workings.

In French Gulch, ten holes were drilled to intersect a pyritiferous chlorite schist horizon and a series of quartz veins and shears. Anomalous



### LEGEND

- |  |  |
|--|--|
|  | QUARTZ MUSCOVITE SCHIST                                |
|  | MUSCOVITE QUARTZITE                                    |
|  | QUARTZ CHLORITE SCHIST                                 |
|  | CARBONACEOUS (GRAPHITIC) SCHIST                        |
|  | METARPHYOLITE (QUARTZ, FELDSPAR, PORPHYROBLAST SCHIST) |
|  | METAGRANODIORITE                                       |
|  | DYKE B-BASIC   |
|  | DYKE F-FELSIC  |
|  | ANTICLINE WITH AXIAL PLUNGE DIRECTION                  |
|  | 1985 DAWSON ELDORADO TRENCHES                          |
|  | ROTARY DRILL HOLE                                      |
|  | DIAMOND DRILL HOLE                                     |
|  | 1986 TRENCH  |
|  | SCHISTOSITY PLANE ORIENTATION                          |
|  | FAULT, ORIENTATION UNCERTAIN                           |
|  | QUARTZ VEIN ORIENTATION                                |
|  | CONTACT APPROXIMATE                                    |
|  | OLD WORKINGS (PITS INTO QUARTZ)                        |



### LONE STAR PROPERTY

GENERAL GEOLOGY FROM  
ASSESSMENT REPORT  
091756 BY  
P. GRUNENBERG 1986

### Current Work and Results:

In 1985 and 1986 the old workings, drill core and dumps were examined and sampled. Assays returned values ranging from a trace to 0.2 g/t Au. Samples containing visible free gold returned very low assay values, suggesting that bulk sampling may be necessary to establish a true average grade. Silicification around some of the old workings is attributed to possible hydrothermal alteration.

A reconnaissance magnetometer survey over two control lines was able to differentiate between weakly magnetic McKinnon Creek conglomerate and moderately magnetic Upper Cretaceous andesite volcanic rocks in the area around the old workings, with a maximum magnetic relief of 400 gammas. Ground magnetometer and EM surveys were done to assist with mapping the property and defining drill targets.

In 1987, nine NQ holes totalling 464 m were drilled along the east side of McKinnon Creek, including five near the BRITANNIA shaft and adit, two near old pits in the black conglomerate and two in the vicinity of the ANDROMEDA adit. In the BRITANNIA shaft area, the drill penetrated 18-36 m of clast-supported quartz pebble conglomerate showing weak to intense phyllic to argillic alteration and zones of intense silicification, overlying bleached, altered andesite porphyry. Near the old pits, andesite porphyry was overlain by up to 42 m of interbedded sandstone and black, muddy siltstone. At the ANDROMEDA adit, the sequence consisted entirely of sandstone and siltstone as above. None of the 90 samples assayed returned economic gold or silver values.

**FAWCETT**  
Archer, Cathro and Associates (1981) Ltd

**Work Target**  
115 0 15 (35)  
63°55'N, 138°55'W  
1986, 1987

**References:** INAC (1986, p. 212)

**Claims:** LAW 1-18

**Source:** Summary by W.P. LeBarge and T. Bremner of assessment reports 091706 by R.C. Carne and 091984 by R.J. Cathro (Archer, Cathro & Associates (1981) Ltd).

### History:

T. Fawcett staked the property in 1908 as the BRANDON and HILLSBOROUGH claims. Limited trenching of the property took place prior to 1912. In 1962 W. Robertson restaked the area and later allowed the claims to lapse. The

values of gold, silver, lead, copper and arsenic were found in several quartz veins, including gold grades of 0.34 g/t Au over 2.43 metres and 6.85 g/t Au over 0.45 metres.

Seven diamond drill holes were drilled in Eldorado Creek. No anomalous values were intersected and many holes were abandoned due to fractured bedrock.

Twelve diamond holes were drilled near the old LONE STAR workings. The best gold values were found in chlorite and muscovite schist, with local sericite, phlogopite and mariposite. The best intersection was 12.2 g/t Au over 0.9 metres in mariposite-quartz-muscovite schist. Diamond drilling suggests the presence of an auriferous foliaform zone within the schist which is spatially related to, but not dependent on; higher sulphide concentrations.

Twenty-three reverse circulation rotary drill holes totalling 2807 metres were drilled in the area of Oro Grande and Gay Gulches. Significant gold values were intersected in many holes, including 7.89 g/t Au over 1.5 m and 7.47 g/t Au over 1.5 m. In one hole a 24 metre section averaged 2.8 g/t Au. Rotary drilling in this area has indicated the presence of a gold-bearing zone in chlorite and muscovite schist, with an absence of large quartz veins.

MT. BRONSON  
Cominco Ltd

Lead, Gold Vein  
115 0 14 (61)  
64°00'N, 139°30'W  
1987

References: INAC (1981, p. 272-273); Debicki (1984)

Claims: BRONSON 1-10; BRO 1-50

Source: Summary by T. Bremner of assessment report 092093 by J. Klein and I.A. Paterson.

#### Current Work and Results:

Roadbuilding, linecutting and geophysics were done on parts of the property in 1987. Geophysical work included 10.8 km of IP/Resistivity/Magnetic surveys and VLF-EM surveys and followed up previous geological mapping, geochemical surveys and trenching. Several IP anomalies near the south end of the property are interpreted as possible indications of sulphide minerals.

**PYROXENE**  
M.J. Brady

Gold Occurrence  
115 O 1, 115 J 16 (73)  
63°02'N, 138°23'W  
1987

**References:** No previous reference.

**Claims:** IRISH 1-150; KIPS 1-112; REST 1-104; BTT 1-32

**Source:** Summary by T. Bremner of assessment report 092088 by D.H. Waugh.

**History:**

H.S. Bostock mapped the area and reported a large percentage of platinum being recovered in a placer mining operation on a bench of Scroggie Creek. Doron Exploration staked the BTT claims in 1986 to cover ultramafic rocks outcropping on Pyroxene Mountain and the rest of the property was staked by R. McPhee and partners in 1987. Both properties were optioned by M.J. Brady in 1987.

**Description:**

Pyroxene Mountain is underlain by a stock of pyroxenite, gabbro, peridotite and serpentinite which intrudes Paleozoic schist, quartzite and phyllite. The ultramafic body is intruded along its northern and western margins by a granodiorite pluton of probable Jurassic age.

**Current Work and Results:**

In 1987, most of the area underlain by the pyroxenite stock was covered by a 101.4 line-km grid. Twenty-two rock samples and 1596 soil samples were collected and a ground magnetometer survey was carried out. Rock and soil geochemistry outlined two zones anomalous in platinum and palladium on the west part of the property. The anomalous areas are 1000-1200 m long and coincide with a region of high magnetic gradient along the interpreted northwest margin of the ultramafic stock. Soil geochemical values in this area range up to 280 ppb Pt and 150 ppb Pd, and several coincident gold values range up to 110 ppb.

Two of the rock samples proved anomalous. A magnetite-rich sample containing 2380 ppm V and 158 ppm Co was examined in polished thin section and found to consist mostly of magnetite, with abundant ilmenite, epidote, chlorite and amphibole, as well as traces of chalcopyrite and pyrite. A grab sample of friable rock from an isolated and deeply weathered outcrop located near the main soil anomaly assayed 15.2 g/t Au.

Two major northwest and northeast-striking lineaments were identified by remote sensing. These lineaments intersect two kilometres west of the summit of Pyroxene Mountain in the area of the platinum, palladium, gold and magnetic anomalies.

REEF  
Moosehorn Exploration Program  
Limited Partnership

Gold Vein  
115 N 2 (82)  
63°04'N, 140°55'W  
1986, 1987

References: Sinclair et al (1976, p. 151-152); Morin (1977, p. 33-54); INAC (1986, p. 215)

Claims: REEF 1-10

Source: Summary by W.P. LeBarge of assessment report 091716 by I. Warrick and K. Robertson, with additional information supplied by I. Warrick and K. Robertson (personal communication, 1988).

#### History:

In 1974, the LORI claims were staked by M. Kenyon and purchased by Claymore Resources. Exploration in 1975 consisted of geophysical, geological and geochemical surveys, and eighteen diamond drill holes totalling 625 metres. No further work was done until 1983 when the REEF 1-4 claims were staked over a nearby quartz vein. In 1984 the LORI claims lapsed and the REEF 5-10 claims were staked in the same area. In 1987, the REEF claim group was increased in size to a total of 20 claims.

#### Description:

The area is underlain by granitic rocks of the Klotassin Batholith, which intrude schist and gneiss of uncertain age. A granodiorite pluton underlying the claim group is cut by milky-white quartz veins of variable thickness along northwest-trending joints dipping 20 to 40° east. Gold occurs in the veins as coarse grains up to 2 mm in size, and is commonly associated with sphalerite. Galena, arsenopyrite and boulangerite also occur as coarse-grained crystals and as streaky fine-grained bands within the quartz veins. Wallrock alteration is present in the form of pale green sericitized and silicified granodiorite with disseminated arsenopyrite.

#### Current Work and Results:

In 1986 the program consisted of camp construction, trench excavation, bulk sampling, geochemical surveys and pan sampling. Bulk samples were taken from quartz float, residual soils, auriferous quartz veins and wallrock, and were processed in a 5 tonne/day portable mill. Samples of the M vein, on which most of the testing was done, averaged 139.19 g/t Au.

In 1987, bulk sampling and bulldozer and backhoe trenching continued. Numerous parallel veins containing large amounts of visible gold were discovered across the claim group.



MM  
L. Mollot

Silver Vein  
115 N 15 (87)  
63°59'N, 140°55'W  
1987

References: INAC (1985, p. 266)

Claims: MM 1-18

Source: Summary of T. Bremner of assessment report 091988 by H.J. Keyser (Aurum Geological Consultants Inc.).

#### History:

The MM claims were staked in 1986 to cover a possible lode source for placer gold in Bedrock Creek and Sixtymile River.

#### Description:

An interpreted northwest-trending fault along Bedrock Creek separates hornblende-muscovite-garnet schist and granitic gneiss on the south side from quartzite on the north side.

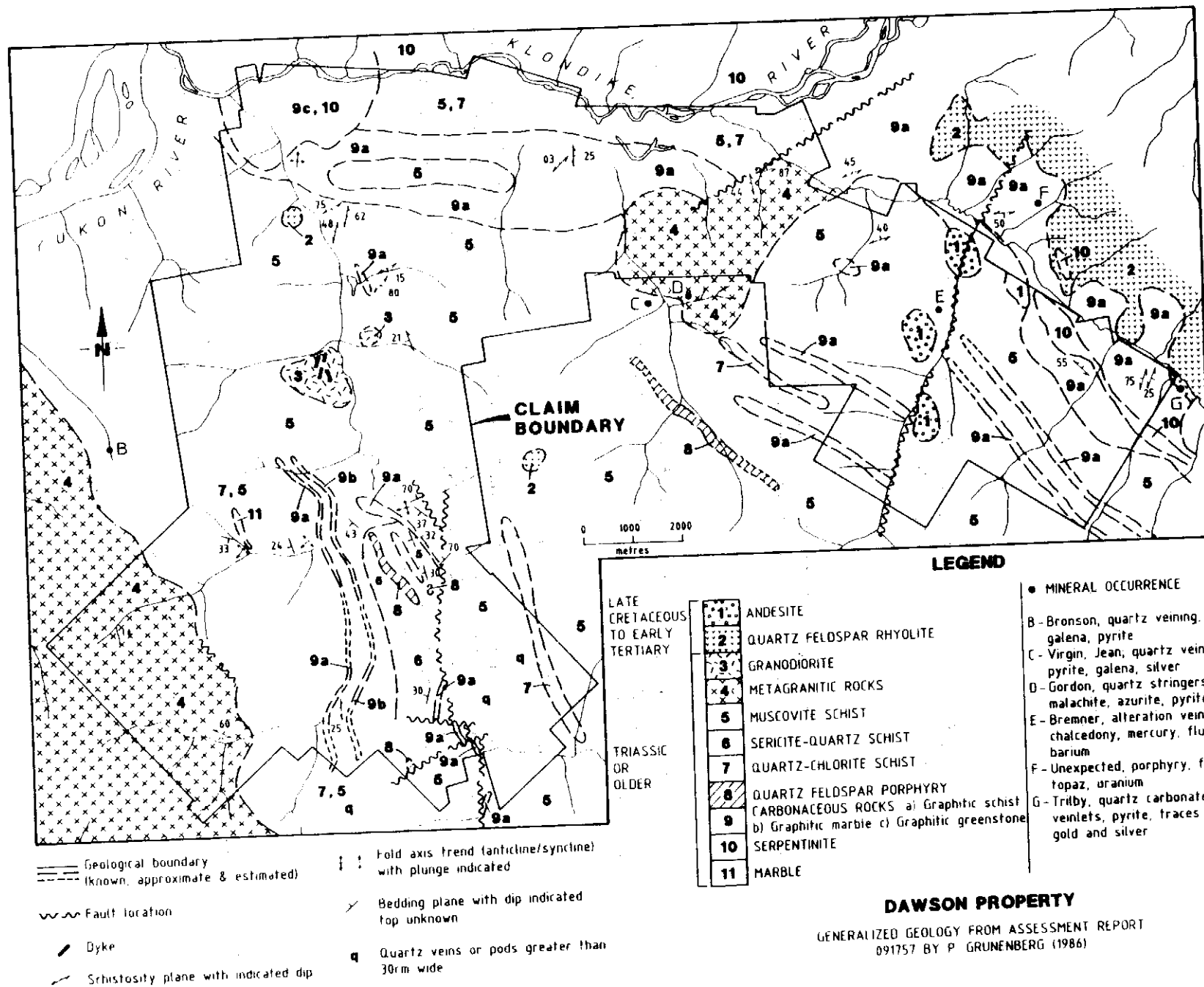
#### Current Work and Results:

Twenty soil samples and five rock samples were collected in 1987. A vuggy quartz-carbonate vein containing no visible sulphides outcrops near the south end of the property. The vein is one metre wide, strikes 140° and dips 38°S. A sample of the vein returned values of 310 ppb Au, 1060 ppm Ag and 1140 ppm Cu. A fire assay of the same sample returned 992.5 g/t Ag.

DAWSYND, DAWSON, HAWK  
Dawson Syndicate

Work Target, Gold  
Occurrence  
115 O 14, 116 B 3 (90,91,  
101)  
63°59'N, 139°14'W  
1986,1987

References: INAC (1987, p.372-373)



**Source:** Summary by W.P. LeBarge of assessment reports 091757 by P. Grunenberg (Mark Management Ltd) and R. Gonzalez (Adder Exploration and Development Ltd); 091758, 091760 and 091981 by Z. Dvorak (Aerodat Ltd); and 091747, 091748, 091749, 091750, 091751, 091752, 091753 and 091754 by P.E. Walcott (Peter E. Walcott and Associates Ltd.).

### Current Work and Results:

Between June 1986 and February 1987, exploration on the property consisted of airborne geophysical surveys, geological mapping and prospecting, rock chip and soil sampling, bulldozer trenching, magnetometer, IP and VLF-EM16 surveys and 3151 metres of diamond drilling.

The airborne geophysical surveys outlined many linear magnetic trends which appear to follow fault structures along valley floors. Several low-intensity conductive belts were also detected which may be graphite or disseminated sulphide mineralization in the Klondike Schist. Ground-based magnetic, IP and VLF-EM16 surveys further defined several of these anomalies. Subsequent drilling and geological investigation showed several negative magnetic anomalies are associated with reverse-polarized diabase dykes intruded along faults. Ultramafic rocks were often found under magnetic highs, while conductive anomalies are due to graphite horizons.

Soil sampling was done over five different grids in the area. These were located on the Sharon claims ("Sh" grid), the Moon claims ("Gal" grid), the Crazy and Lady claims ("C.L." grid), the Comet, Penibe, and Alpha claims ("SSc" grid), and the Comet and Penibe claims ("Com" line). All grids had moderately anomalous gold values, the highest of which was on the "Gal" grid with 130 ppb Au. Silver, arsenic, mercury, lead, zinc and copper were also found in anomalous quantities. The best silver value was 17.4 ppm, found on the "C.L." grid. A strong lead-zinc anomaly was found on the "Com" line, with a lead value of 2100 ppm and a zinc value of 264 ppm. High mercury and arsenic values were found on the "Sh" grid, with 110 ppb and 460 ppm respectively.

Trenching between Adams and Boulder Creeks exposed several quartz veins in quartz-muscovite schist. Varying quantities of pyrite, galena, and stibnite were found in the quartz, however precious metals were present in insignificant quantities.

Diamond drilling was concentrated in three major areas; the Klondike-Hunker Creek drainage, the Bonanza Creek drainage, and between Boulder and Adams Creeks on the "Plinc" Ridge.

Nine holes were drilled in the valleys of the Klondike River and Hunker Creek to intersect and sample a fault zone. Four of these holes intersected sheared, fractured, muscovite and chlorite schist with graphitic interlayers and low gold values. Near Hester Creek a hydrothermal alteration zone was the target of three holes which intersected 30 metres of limonitic clay with fragments of unaltered bedrock. Sandstone unconformably overlying graphitic schist was also encountered as well as magnetite-bearing peridotite and serpentinite.

In the Bonanza Creek drainage, thirteen diamond drill holes were drilled along a fault structure extending from the mouth of French Gulch to a point upstream of the former site of Grand Forks. Sheared, fractured graphitic schist interlayered with muscovite schist has been commonly intruded by magnetite-bearing diabase dykes and quartz-feldspar porphyry dykes. Insignificant gold values were obtained but arsenic ranged as high as 2380 ppm.

On the "Plinc" Ridge, five holes were drilled in chlorite-quartz-muscovite schist. No significant gold values were encountered, but all holes were anomalous in copper, silver, lead and zinc. Values up to 10 000 ppm Cu, 10 000 ppm Zn, 92 ppm Ag and 474 ppm Pb were recorded.

**BTTA**  
Doron Exploration Inc.

**Work Target**  
115 0 10 (118)  
63°42'N, 138°42'W  
1987

**References:** INAC (1986, p. 369, 371)

**Claims:** BTTA 1-32

**Source:** Summary by T. Bremner of assessment report 092079 by B. Lueck.

**History:**

The BTTA claims were staked in 1986 to cover a gold showing on the divide between Sulphur and Gold Run Creeks which was reported in a 1901 newspaper article.

**Description:**

The property is underlain by quartz feldspathic gneiss, chlorite schist with quartz lenses, and coarse-grained amphibolite.

**Current Work and Results:**

Seventy-four soil and rock samples taken along the ridge crest in 1987 were analysed for 34 elements. Although the historic vein was not found, abundant quartz float was observed along the ridge crest. A piece of chlorite-feldspar schist from the south edge of the claims contained 547 ppb Au and 8 ppm Ag.

**7. SANTA**

B. Sauer, G. Smith, S. Dudka  
115 N 10  
63°32'N, 140°35'W

Claims: NORA 1-16

**14. PER**

Klondike Gold Mining Corp  
115 N 15  
64°00'N, 140°49'W

Claims: COJO 1-4

**16. FIFTY**

Croesus Resources Inc.  
115 N 15  
63°54'N, 140°39'W

Claims: TONY 1-10

**28. KENTUCKY LODE**

T. Peever  
115 O 10  
63°44'N, 138°44'W

Claims: KENTUCKY 1-16

**31. DOMINION**

United Keno Hill Mines Ltd  
115 O 15  
63°48'N, 138°47'W

Claims: KIN 1-8, 10, 12-30, 35-232

**35. FAWCETT**

Archer, Cathro and Associates  
(1981) Ltd  
115 O 15  
63°55'N, 138°56'W

Claims: LAW 13-18

**61. MT. BRONSON**

Cominco Ltd  
115 O 14  
63°59'N, 139°29'W

Claims: BRO 1-50

**73. PYROXENE**

B. Lueck  
115 O 1  
63°01.5'N, 138°19'W

Claims: BTT 33-132

**73. PYROXENE**

J. Butterworth  
115 O 1, 115 J 15, 16  
63°00'N, 138°28'W

Claims: TOG 1-12

**73. PYROXENE**

F. Paulkner, F. Spencer  
115 J 15  
63°00'N, 138°33'W

Claims: WINE 49-57, RESORE 1-38

**73. PYROXENE**

R. McPhee, W. Genge, I. Anderson,  
W. Butterworth  
115 O 1  
63°01-3.5'N, 138°23-28'W

Claims: IRISH 1-150; KIPS 1-102;  
REST 1-104, MCFISH 1-30  
FISH 31-94, TOG 1-12

**78. ORO**

W. Dawson  
115 O 14  
63°52'N, 139°07'W

Claims: TOM 1-64

## 79. LODE

G. Hartley, R. Jury  
115 N 2  
63°02'N, 137°58'W

Claims: RAN 1-4

## 81. GIT

G. Hartley, G. Almberg  
115 N 2  
63°02'N, 140°57'W

Claims: WELL 1-6, WINE 1-8, WON 1-7

## 82. REEF

K. Robertson  
115 N 2  
63°03'N, 140°56'W

Claims: REEF 11-15

## 91. DAWSON

W. Dawson, S. Tomlinson  
115 O 14  
63°57.5'N, 139°10'W

Claims: WITH 1-40

## 100. ANN

D. Waugh  
115 O 11  
63°43'N, 139°08'W

Claims: KEY 13, 15 39FR; KEY 40-123

## 113. FAWCETT WEST

W. Gaven  
115 O 15  
63°55'N, 138°58'W

Claims: WHO 1-8

## 114. HAREM

K. Wistey  
115 O 14  
63°47'N, 139°04'W

Claims: JAN; NANCY; BONNIE; CONNIE

## 121. ALPHONSE

B. Hakansson  
115 O 15  
63°53'N, 138°58'W

Claims: BH 1-8

## 121. ALPHONSE

R. McPhee  
115 O 15  
63°54'N, 138°57'W

Claims: VIEW 1-13, 15-18

## 131. JILL

B. Sauer, G. Smith, S. Dudka  
115 N 10  
63°40'N, 140°44'W

Claims: JILL 1-24

## 132. CAPE

B. Sauer, G. Smith, S. Dudka  
115 N 10  
63°42'N, 140°37'W

Claims: JILL 1-24

## 133. AJM

J. McFaul  
115 O 10  
63°36.5'N, 138°51.5'W

Claims: AJM 1-4

**137. J.A.E.**

J.A.E. Resources Ltd  
115 0 15  
63°53'N, 138°55'W

Claims: J.A.E. 1-27

**138. KEVIN**

R. Wondga, T. Peever  
115 0 2  
63°01'N, 138°34'W

Claims: KEVIN 1-2

**139. PORKY**

M. Fletcher  
115 0 7  
63°17'N, 138°33'W

Claims: PORKY

**134. CHI**

F. Dorward  
115 0 7, 10  
63°30'N, 138°51'W

Claims: CHI 1-16

**135. HOPE**

R. McPhee  
115 0 14  
63°56'N, 139°10'W

Claims: HOPE 1-16

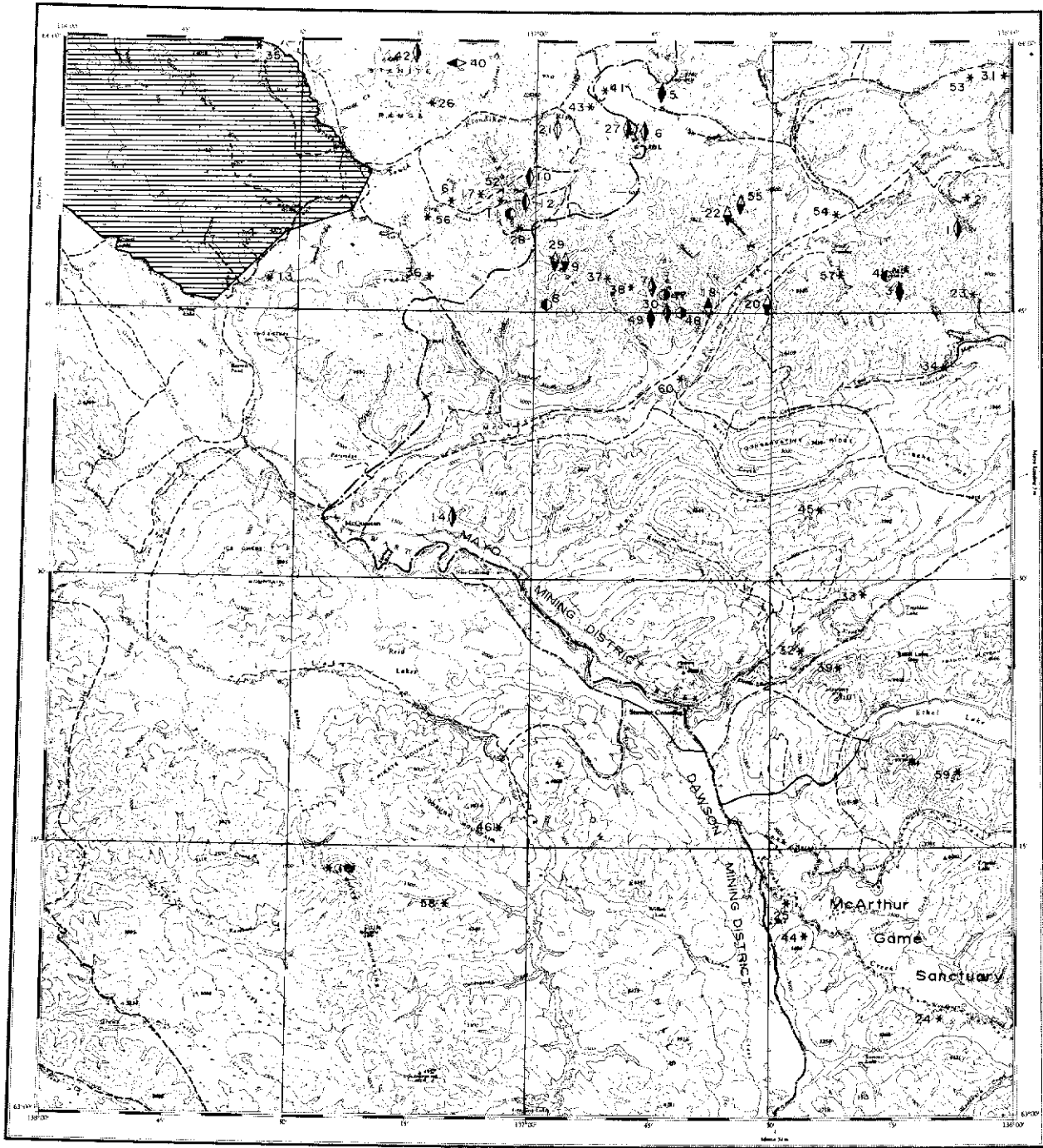
**136. FOX**

G.C. Lee  
115 0 14  
63°48'N, 139°12'W

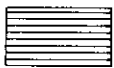
Claims: FOX 1-50



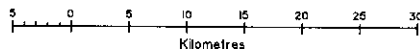




McQUESTEN  
YUKON TERRITORY



Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



- Toté Trail.
- Driveable Road.
- A Airstrip.

## MCQUESTEN MAP-AREA (NTS 115 P)

General Reference: GSC Map 1143A by H.S. Bostock, 1942.

NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 JAYBEE	Vein Ag Pb	115 P 16	7	
2 SEATTLE	Work Target	115 P 16	9	Green and Godwin (1964, p. 16)
3 HANTHORNE	Vein Sb Pb Ag Au	115 P 16	7	Bostock (1941, p. 33-34); Green (1966, p. 20-21); This Report
4 SCHEELITE DOME	Skarn W Au	115 P 16	6	INAC (1983, p. 215); Emond (1986)
5 HOB0	Vein Au Ag	115 P 15	7	INAC (1981, p. 227)
6 SPRAGUE	Vein Ag Pb	115 P 15	7	Bostock (1948, p. 11)
7 TEE	Breccia, Vein Ag Pb Zn Au	115 P 15	7	INAC (1983, p. 215-216); Emond (1986)
8 LUGDUSH	Skarn W	115 P 15	6	INAC (1983, p. 215-216); Emond (1986)
9 RIDGE	Stockwork Sn	115 P 15	7	INAC (1981, p. 278); Emond (1986)
10 JOSEPHINE	Vein Au	115 P 14, 15	7	INAC (1983, p. 215-216); Emond (1986)
11 RHOSGOBEL	Skarn W, Sheeted Veins W	115 P 14	7	INAC (1983, p. 215-216); Emond (1986)
12 PUKELMAN	Sheeted Vein W Mo Au	115 P 14	7	INAC (1983, p. 215-216); Emond (1986)
13 CLEAR CREEK	Work Target	115 P 13	7	Lang (1951, p. 14)
14 MOOSE RIDGE	Vein Ag Pb Fe	115 P 11	7	
15 ROSEBUD	Work Target	115 P 3	9	Bostock (1948, p. 12)
16 SETHUR	Deleted: no information			
17 LEWIS	Work Target	115 P 14	7	INAC (1983, p. 215-216)
18 BOULDER	Vein Cu	115 P 15	7	Bostock (1948, p. 11)
19 TOTH	Deleted: no information			
20 OLIVER CREEK (EPD)	Breccia/Vein Sn Ag Zn, Skarn Sn	115 P 15	5	INAC (1983, p. 215, 217); Emond (1983; 1985; 1986);
21 MOZI	Breccia/Vein Pb Zn Cu Mo	115 P 15	7	INAC (1981, p. 279)
22 SUNSHINE CREEK WEST (SP)	Vein/Breccia Sn Ag	115 P 15	6	INAC (1983, p. 215, 217); Emond (1986)
23 BEN	Work Target	115 P 16	9	INAC (1981, p. 279-280)
24 WOODBURN	Work Target	115 P 1	9	INAC (1981, p. 280)
25 CROOKED	Work Target	115 P 1	9	INAC (1981, p. 280)
26 FIONA	Work Target	115 P 14	9	INAC (1982, p. 229)
27 MAHTIN	Breccia/Vein Ag, Skarn Au	115 P 15	7	INAC (1982, p. 229-230); Emond (1986)
28 JUBJUB	Work Target	115 P 14	9	INAC (1982, p. 228)
29 JABBERWOCK	Vein Sn Ag	115 P 15	7	INAC (1982, p. 230); Emond (1986)
30 MAY CREEK (ORE)	Vein Ag Pb Zn	115 P 15	6	Morin et al (1980, p. 23);
31 SECRET CREEK	Work Target	115 P 16	9	Morin et al (1980, p. 23)
32 WINSLOW	Work Target	115 P 8	9	INAC (1982, p. 231)
33 PAN	Work Target	115 P 8	9	INAC (1982, p. 231)
34 SAVY	Work Target	115 P 9	9	INAC (1982, p. 231)
35 ACE	Work Target	115 P 13	9	INAC (1983, p. 215, 217)
36 MARY	Work Target	115 P 14	9	INAC (1983, p. 215-216)
37 BANDER	Work Target	115 P 15	9	INAC (1982, p. 230)
38 SNATCH	Work Target	115 P 15	9	INAC (1982, p. 231)
39 LJB	Work Target	115 P 8	9	INAC (1983, p. 215, 217);
40 OMEGA	Stratabound Barite	115 P 14	2	INAC (1987, p. 380-381)
41 NIC	Work Target	115 P 15	9	INAC (1985, p. 270)
42 ZETA	Vein Ag Sn	115 P 14	7	INAC (1987, p. 381)
43 TAT	Work Target	115 P 15	9	INAC (1985, p. 270)
44 MEGALAURUS	Work Target	115 P 1	9	INAC (1985, p. 270; 1986, p. 222)
45 BILL	Work Target	115 P 9	9	INAC (1987, p. 384)
46 PIRATE	Work Target	115 P 6	9	INAC (1987, p. 382)
47 SNARK	Skarn Sn W Cu Zn Au Ag	115 P 15	7	INAC (1982, p. 227-228); Emond (1986)
48 EAST RIDGE	Skarn Sn	115 P 15	7	INAC (1982, p. 227-228); Emond (1986)
49 QUEST	Vein Au Ag Pb Zn	115 P 15	6	INAC (1987, p. 383); This Report
50 SILVER	Deleted: same as #49 QUEST			
51 GOLD	Deleted: same as #49 QUEST			
52 REMF	Work Target	115 P 14	9	INAC (1987, p. 384)
53 SWEDE	Work Target	115 P 16	9	INAC (1987, p. 384)
54 SAND	Work Target	115 P 16	9	INAC (1987, p. 384)
55 SUNSHINE CREEK EAST (SP)	Vein/Breccia Sn Ag	115 P 15	7	INAC (1983, p. 215, 217); Emond (1986); This Report
56 BARNEY	Work Target	115 P 14	9	INAC (1983, p. 215-216); Emond (1986)
57 PAW	Work Target	115 P 16	9	This Report
58 TOP	Work Target	115 P 3	9	This Report
59 JOY	Work Target	115 P 8	9	This Report
60 PENTICTON	Work Target	115 P 10	9	This Report
61 SLEET	Work Target	115 P 14	9	This Report

HAWTHORNE  
R. Riepe

Antimony, Lead, Silver, Gold  
Vein  
115 P 16 (3)  
63°45'N, 136°15'W  
1986

References: Green (1966, p. 20-21)

Claims: GANT 1-34

Source: Summary by W.P. LeBarge of assessment report 091723 by L.B. Goldsmith and P. Kallock (Arctex Engineering Services).

#### History:

Placer mining began in the area of Hight Creek soon after the gold rush in 1898, and has continued to the present day. The search for the source of placer gold and tin led to the discovery of tin, silver, tungsten and antimony veins in the Scheelite Dome area in the early 1900's. Development work has been intermittent although the area has been held under claims continuously for long periods of time. The present owner acquired the GANT claims in 1986.

#### Description:

The Scheelite Dome area is underlain mainly by Upper Precambrian to Lower Cambrian metasedimentary rocks of the Grit Unit. Ordovician metasedimentary rocks and Cretaceous volcanic rocks have subsequently been thrust over the Grit Unit. The area was later intruded by Cretaceous intrusions of acid to intermediate composition. Interbedded brownish quartz-mica schist and quartzite, the main rock types found on the property, host several vein occurrences of antimony and silver.

#### Current Work and Results:

The 1986 program consisted of a soil geochemical survey in which 200 samples were collected and analysed for 30 elements. Several zones were anomalous in metals including one area which returned values of 1920 ppb Au, 23.6 ppm Ag, 7549 ppm Sb and 13 033 ppm As.

**QUEST**  
Silverquest Resources Ltd

Gold, Silver, Lead, Zinc Vein  
115 P 15 (49)  
63°46'N, 136°45'W  
1987

**References:** D.I.A.N.D. (1987, p. 383)

**Claims:** QUEST 1-21F; SILVER 1-24; AMINO 1-27; BOLD 1-25

**Source:** Summary by T. Bremner of assessment report 092098 by W.D. Eaton (Archer, Cathro and Associates (1981) Ltd).

**Description:**

Three types of mineralization occur in Paleozoic sedimentary rocks intruded by dykes and stocks of Cretaceous granite. The mineralization appears to be zoned around granitic intrusions on the east edge of the property. Skarn at the intrusive contact contains sphalerite, magnetite, pyrite and chalcopryrite with occasional high values of tin, gold and silver. Quartz-carbonate veins extending up to 500 m beyond the limit of the skarn host galena, sphalerite, pyrite, minor arsenopyrite, chalcopryrite and tetrahedrite with consistently high levels of silver and moderate to high levels of gold. Peripheral to the halo of silver and gold-bearing quartz-carbonate veins are internally oxidized siderite veins with consistently high levels of silver but low levels of gold.

**Current Work and Results:**

In 1987, soil samples were taken over a 2800 by 2200 m grid covering the central part of the property. Stripping was done at 24 sites, and where permafrost conditions allowed, bedrock was exposed in 19 of the trenches. Ninety-nine chip samples and rock specimens from completed trenches were assayed for silver, gold and lead. Soil samples were taken in the trenches which did not reach bedrock.

Soil sampling defined seven multi-element anomalies up to 1100 m long and 200 m wide. Values up to 94 ppm Ag, 355 ppb Au, 2060 ppm Pb, 965 ppm As and in excess of 10 000 ppm Zn and Cu were obtained. Most of the anomalies are linear, located along or downhill of north to northeast-trending airphoto lineaments and are believed to be derived from veins. Soil geochemical results and rock assays indicate that the vein system is chemically zoned, with the lowest silver to lead ratios (34 g/t Ag:1% Pb) in and adjacent to the intrusions and the highest ratios (685 g/t Ag:1% Pb to 1714.2 g/t Ag:1% Pb) on the western flanks of the system.

Bulldozer trenching exposed at least six vein faults 0.5 to 6 m wide. The faults are characterized by brecciated wallrock, bands of gouge, limonitic fractures and massive siderite lenses containing sulphides or limonite pseudomorphs after sulphides. The best mineralization was recorded where the faults cut quartzite beds.

Weakly mineralized shears assayed between 34.3 and 171.4 g/t Ag, while higher-grade siderite lenses returned up to 11 382 g/t Ag. Gold values were generally low, but individual specimens assayed up to 11.7 g/t Au. A chip sample of the AMINO vein on the west side of the property assayed 217.4 g/t Ag across 6.40 m including 2302.9 g/t Ag across 0.4 m.

Prospecting on the relatively unexplored skarn zone turned up widespread sphalerite and copper-bearing float assaying up to 6.05% Zn, 1.05% Cu, 0.43% Sn and 2.1 g/t Au.

**3. HAWTHORNE**

R. Riepe  
115 P 16  
63°46'N, 136°12.5'W

Claims: ADE 1-10

**25. CROOKED**

J. Carson  
115 P 1  
63°12'N, 136°28'W

Claims: FIRE DEVIL 1-8,  
FIRESTONE 17-24

**30. MAY CREEK (ORE)**

Archer, Cathro and Associates  
(1981) Ltd  
115 P 10, 15  
63°45'N, 136°43'W

Claims: BOND 1-25

**38. SNATCH**

Archer, Cathro and Associates  
(1981) Ltd  
115 P 15  
63°47'N, 136°47'W

Claims: AMINO 1-27

**52. REMP**

R. Robertson, K. McCrory  
115 P 14  
63°52'N, 137°05'W

Claims: RUM 1-90

**56. BARNEY**

H. Herbertz  
115 P 14  
63°50'N, 137°12.5'W

Claims: B.H.W. 1-12

**57. PAW**

C. Klippert  
115 P 16  
63°47'N, 136°21.5'W

Claims: PAW 1-4

**59. JOY**

J. O'Neill  
115 P 8  
63°19'N, 136°07'W

Claims: JOY 1-21

**60. PENTICTON**

J. Strebchuk  
115 P 10  
60°41'N, 136°42'W

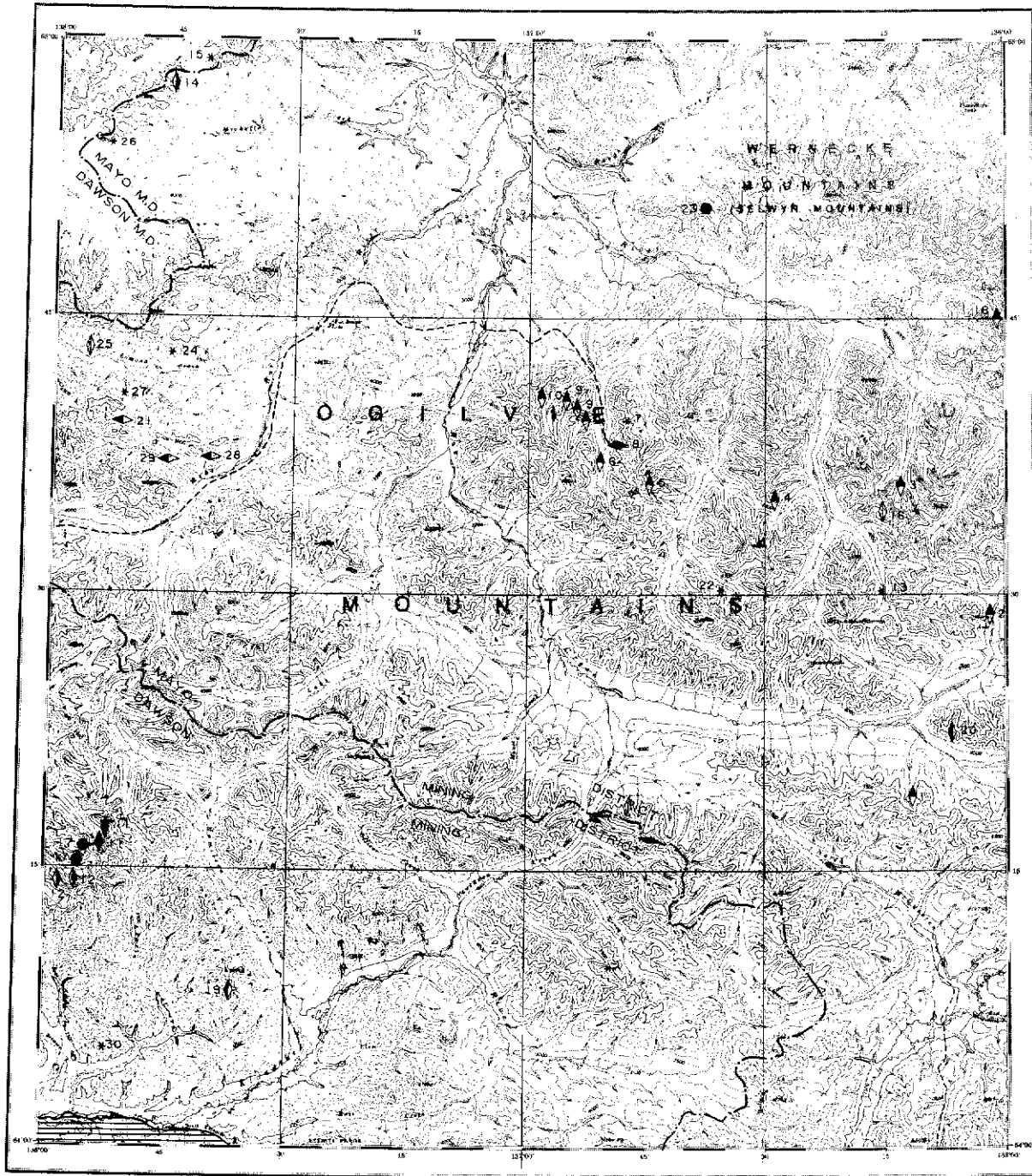
Claims: PENTICTON 1

**61. SLEET**

J. Muir, N. Harper  
115 P 14  
63°51'N, 137°10'W

Claims: SLEET 7-24, 33-59,  
61, 63-84, 87-110

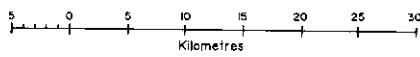




LARSEN CREEK  
YUKON TERRITORY



Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



- Tote Trail.
- Driveable Road.
- A Airstrip.

## LARSEN CREEK MAP-AREA (NTS 116 A)

General References: GSC Map 1283A and Memoir 364 by L.H. Green, 1972;  
GSC Geochem Open File 519 and 418.

NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 TIMBERWOLF	Vein Cu	116 A 8	7	
2 WORM	Vein Cu	116 A 8	7	
3 RAMA	Vein Cu Ag Pb	116 A 9	7	
4 MATTSON	Vein Cu	116 A 9	7	
5 SOUP	Vein Cu	116 A 10	7	
6 REINDEER	Vein Cu Pb	116 A 10	7	
7 GRACE	Work Target	116 A 10	9	Craig and Laporte (1972, p. 26-27)
8 HART RIVER	Stratabound Concordant Pb Zn Cu Au Ag	116 A 10	2	Morin (in Morin et al, 1979, p. 22-24); INAC (1983, p. 219, 221; 1986, p. 225)
9 BELCARRA	Vein Cu Pb Zn	116 A 10	6	This Report
10 ZEBRA	Vein Cu	116 A 10	7	Craig and Laporte (1972, p. 23-24); Green (1972, p. 140)
11 HAMILTON (MIKE)	Vein Au Cu Ag Bi Co	116 A 5	7	INAC (1983, p. 219)
12 RIMROCK	Vein Ag	116 A 4	6	INAC (1982, p. 233)
13 AUSTON	Work Target	116 A 9	9	Green (1972, p. 140)
14 HOT	Vein Pb Zn Ag	116 A 13	7	Sinclair et al (1976, p. 82)
15 MICHELLE	Work Target	116 A 13	9	Sinclair et al (1975, p. 71)
16 BRUK (VOG)	Vein Pb Zn	116 A 9	7	Sinclair et al (1976, p. 74)
17 PHILP	Skarn Cu Au Ag	116 A 5	7	
18 DALE	Vein Cu	116 A 16, 9	7	INAC (1982, p. 233); INAC (1983, p. 219-220)
19 IDA	Stockwork or Disseminated Au	116 A 4	7	INAC (1982, p. 234)
20 STROKER	Vein Au	116 A 8	7	INAC (1982, p. 234)
21 ST. BRIDGET	Stratabound Concordant Ba	116 A 12	7	INAC (1983, p. 219-220)
22 SUMI	Work Target	116 A 7, 10	9	Morin et al (1977, p. 135)
23 WERN	Skarn Cu Fe	116 A 15	7	Morin et al (1977, p. 135-136)
24 TIM	Work Target	116 A 12	9	Morin et al (1979, p. 50)
25 SHAY	Vein Pb Zn Cu	116 A 12	7	Morin et al (1979, p. 50)
26 LEP	Work Target	116 A 13	9	Morin et al (1979, p. 50)
27 LOMOND CREEK	Work Target	116 A 12	9	Morin et al (1979, p. 49)
28 BOYLE	Stratabound Concordant Ba	116 A 12	7	INAC (1983, p. 219-220)
29 MILK UM	Stratabound Concordant Ba	116 A 12	7	INAC (1983, p. 219-221)
30 AUS	Work Target	116 A 4	9	This Report

**BELCARRA**  
Asbestos Corp. (Explorations) Ltd

Copper, Lead, Zinc Vein  
116 A 10 (9)  
64°40'N, 136°55'W  
1956

References: No previous reference

Claims: RAE 1-9; HOFFMAN 1-24; COPPER 1-8; CHALCO 1-8

Source: Summary by T. Bremner of assessment report 091766 by P.M. Kavanagh.



**Description:**

Limestone, slate, dolomite and quartzite of Lower and Middle Devonian age are intruded by several diorite sills. The main sill is 300-450 m thick and is offset by several faults. Calcite veins and stringers within the fault zone host chalcopryrite and bornite. Copper mineralization also occurs in fractures within the diorite and along the diorite-sedimentary rock contacts.

Three showings are known. The original RAE showing consists of a 1.8 m wide calcite vein assaying 17% Cu over 1.2 m which is also reported to contain silver values.

**Current Work and Results:**

In 1953, the three showings were explored by hand pitting and blast trenching. The original RAE showing consists of a 1.8 m calcite vein assaying 17% Cu over 1.2 m. Silver values are also present. Five pits were excavated to bedrock along a 182.9 m extension of the vein. All pits encountered the 1.8 m wide vein but uncovered only minor amounts of chalcopryrite and bornite.

The MCKAMEY showing consists of a 1.1 m thick lens of chalcopryrite at the faulted contact between diorite and slate. Trenching indicated the mineralized zone is small. About 100 m south of the main MCKAMEY showing copper occurs along major joints in the diorite, but several deep trenches across the fault zone in that area failed to reach bedrock.

The third showing is a chalcopryrite lens 4.6 m long and 0.5 m wide exposed on the west side of Rae Creek.

**19. IDA**

Noranda Exploration Co. Ltd  
116 A 4  
64°05'N, 137°52'W

Claims: IDA 1-20, 21F-23F

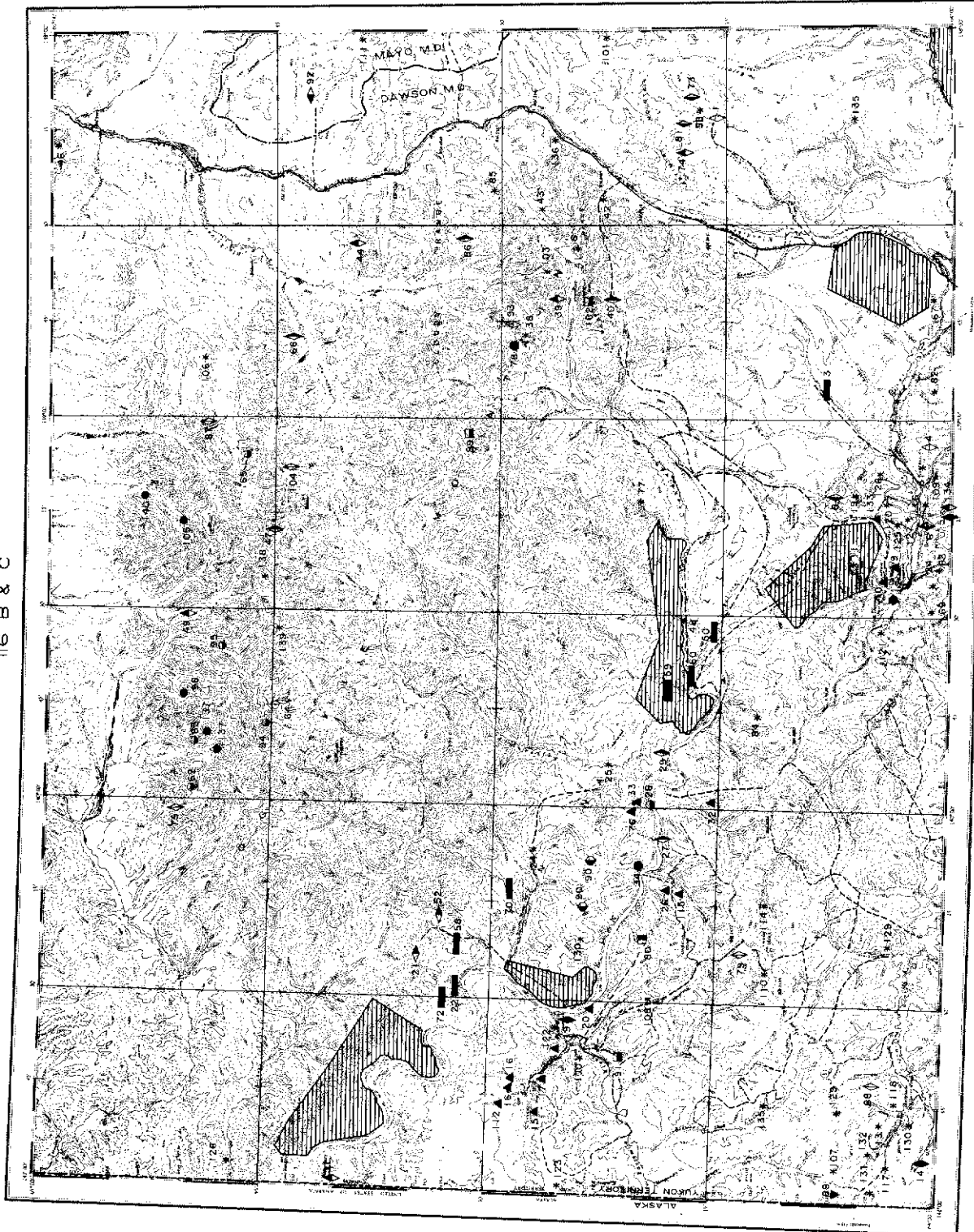
**30. AUS**

G. Clark  
116 A 4  
64°05.5'N, 137°52'W

Claims: AUS 1-32



116 B & C



DAWSON  
YUKON TERRITORY

Lands withdrawn from staking  
are shown with hatched pattern.  
(see specific claim map for  
accurate location and  
additional sites of withdrawal).



Trail  
Driveable Road  
Airstrip



## DAWSON MAP-AREA (NTS 116 B-C)

General References: GSC Map 1284A and Memoir 364 by L.H. Green, 1972;  
DIAND Open File (115 0 9, 10, 11, 14, 15, 16 and 116 B 2, 3) by R.L. Debicki, 1984  
and 1985;  
GSC Geochem Open File 520 and 418.

NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 INDEX	Vein Sb	116 B 8	7	Green (1972, p. 42)
2 GERMAINE	Work Target	116 B 2	9	INAC (1987, p. 391)
3 COLLIERY	Coal	116 B 2	7	Bostock (1938, p. 13-14); Green (1972, p. 27); Dowling (1915)
4 UNEXPECTED	Stockwork U Sn	116 B 3	7	INAC (1982, p. 238)
5 VIRGIN, JEAN	Vein Au Ag	116 B 3	7	MacLean (1914, p. 41-49); INAC (1985, p. 277); INAC (1986, p. 233); This Report
6 MACLEAN	Vein Au	116 B 3	7	Debicki (1984); INAC (1986, p. 230)
7 BOYLE	Deleted: no information			
8 LEPINE	Vein Au	116 B 3	7	INAC (1986, p. 232); This Report
9 FIBRE	Asbestos	116 B 3	7	Debicki (1984); INAC (1986, p. 238)
10 MIDNIGHT DOME	Asbestos	116 B 3	7	Debicki (1984); INAC (1986, p. 238)
11 BROAD-LEDGE	Work Target	116 B 3	9	Brock (1910, p. 15)
12 WEST DAWSON	Skarn, Vein Cu Pb Ag	116 B 3	7	Debicki (1984)
13 HUNGRY	Work Target	116 C 2	9	Cockfield (1921, p. 52)
14 MILLER	Vein Ag Pb Zn Au	116 C 2	7	INAC (1987, p. 392)
15 SPHERE	Asbestos	116 C 7	7	INAC (1983, p. 223-224)
16 FOXY	Asbestos	116 C 7	7	Green (1964, p. 27); INAC (1985, p. 280)
17 CLINTON CREEK	Asbestos	116 C 7	3	INAC (1985, p. 278); Budinski (1984)
18 ACHERON (RG)	Asbestos	116 C 7	7	Morin et al (1977, p. 144)
19 CONE HILL	Vein Ag Pb Au	116 C 7	7	INAC (1987, p. 242)
20 MICKEY CREEK	Asbestos	116 C 7	7	
21 SHEEL CREEK	Stratabound Concordant Fe	116 C 9	6	Gross (1969, p. 111)
22 CLIFF	Coal	116 C 9	7	McConnell (1904, p. 39-41)
24 SOURDOUGH MINE	Work Target	116 C 8	9	McConnell (1904); Green (1972, p. 146)
25 FIF	Work Target	116 B 5	9	McConnell (1903b, p. 39-41)
26 CALEY	Asbestos	116 C 8	2	Green (1965, p. 27-28)
27 SUBMARINE	Vein, Stratabound Discordant Ag Pb Zn (Cu)	116 C 8	7	Cockfield (1928a, p. 9)
28 ROAL	Skarn Zn Pb (Ag Sn)	116 B 5	7	Cockfield (1928a, p. 9)
29 SILVER CITY	Vein Ag Pb Sb	116 B 5	4	INAC (1987, p. 393-394)
30 OGILVIE	Deleted: no information			
31 KEYSTONE	Work Target	116 B 5	9	This Report
32 ASS	Asbestos	116 B 5	7	
33 WOODCHOPPER	Asbestos	116 B 5	7	INAC (1982, p. 238-239, 242)
34 ETHELDA	Skarn Cu	116 C 8	7	
35 HAY MEADOW	Deleted: no information			
36 JECKELL	Deleted: no information			
37 SNYDER	Deleted: no information			
38 FIREWEED	Work Target	116 B 7	9	Tempelman-Kluit (1965, p. 36)
39 GRAVE	Vein Cu	116 B 7	7	INAC (1981, p. 285)
40 SPOTTED FAWN	Vein Ag Pb Zn	116 B 7	7	Cockfield (1919b, p. 15-17); Green (1972, p. 137-138); Sinclair et al (1975, p. 73-74)
41 SUBTRACT	Work Target	116 B 7	9	INAC (1981, p. 285)
42 ROBERT SERVICE	Work Target	116 B 8	9	Tempelman-Kluit (1965, p. 36)
43 MULTIPLY	Work Target	116 B 8	9	Tempelman-Kluit (1965, p. 36); INAC (1986, p. 239)
44 CRAWFORD	Vein Cu	116 B 10	7	
46 CHAPMAN	Work Target	116 B 16	9	Green (1972, p. 138); Sinclair et al (1975, p. 76)
47 FIFTEEN MILE	Vein? Wernecke Breccia? Cu Ag	116 B 14, 11	7	
48 CHANDINDU	Work Target	116 B 5	9	McConnell (1903b, p. 39-41)
49 SHAND	Wernecke Breccia Cu	116 B 13	7	Morin et al (1977, p. 144)
50 JEROME	Coal	116 B 5	7	
51 PAULA	Vein Cu	116 C 10	7	Owen (1968, p. 8)
52 KRAUSE	Stratabound Concordant Fe	116 C 9	7	
53 MASTADON	Deleted: no information			
54 RISCO	Deleted: no information			
55 WINAGE	Deleted: no information			
56 HEALY	Deleted: no information			
57 LAWRENCE	Deleted: no information			
58 LEDUC	Coal	116 C 9	7	
59 BARETTE	Coal	116 B 5	7	
60 THANE	Coal	116 B 5	7	
61 HATTIE	Work Target	116 B 3	7	MacLean (1914, p. 124-125)
62 MONSTER (OG)	Wernecke Breccia Pb Zn	116 B 13	7	Sinclair et al (1976, p. 88)
63 TART	Wernecke Breccia Pb Zn	116 B 13	7	
64 OZ	Vein, replacement Pb Zn	116 B 12	7	INAC (1987, p. 394)
65 SEELA	Wernecke Breccia Pb Zn	116 B 14	7	
66 KIWI	Vein Pb Zn Ag	116 B 10, 15	5	INAC (1987, p. 394-395)

67 MORRISON	Work Target	116 B 2	9	G.S.C. Map 711A (1942)
68 LOHNEY	Deleted: no information			
69 HALIFAX	Work Target	116 B 3	9	INAC (1981, p. 293)
70 CHAIN	Coal	116 C 8	7	
71 HALE	Deleted: no information			
72 JEPHSON	Coal	116 C 9	7	
73 O'BRIEN (A.J.)	Vein Au	116 B 8	6	INAC (1986, p. 235)
74 SANDOW	Vein Cu	116 B 8	7	Green (1972, p. 142)
75 UGLY	Wernecke Breccia? Vein? Zn Pb	116 C 16	7	
76 TJOP	Asbestos	116 C 8	7	INAC (1983, p. 223-225)
77 STYX	Work Target	116 B 6	9	INAC (1982, p. 239); This Report
78 MARN	Skarn Cu Au W	116 B 7	2	Brown (1985); Brown and Nesbitt (1987); Anderson (1987); INAC (1987, p. 396)
79 CLIP	Vein Pb Zn	116 C 1	7	INAC (1981, p. 288)
80 PLUTO	Porphyry Mo W	116 C 8	7	INAC (1983, p. 223, 225)
81 THOR	Vein Au Cu	116 B 8	7	INAC (1981, p. 289-291; 1986, p. 239); Anderson (1987)
82 ETC	Work Target	116 B 2	9	INAC (1981, p. 293)
83 FROGGY	Work Target	116 B 3	9	INAC (1981, p. 293)
84 FRESNO	Work Target	116 B 4	9	INAC (1981, p. 293)
85 RIKI	Work Target	116 B 9	9	INAC (1982, p. 240)
86 TAK	Vein Pb Ag	116 B 10	7	INAC (1986, p. 236);
87 KITL	Vein Pb Zn	116 B 15, 14	7	INAC (1982, p. 240)
88 GUCH	Vein Pb	116 C 2	7	INAC (1982, p. 241)
89 BALDY	Stratabound Discordant Pb Zn Cu	116 C 2	7	INAC (1981, p. 292)
90 RAIL	Skarn W	116 C 8	7	INAC (1985, p. 279-280)
91 MAIDEN (TING)	Granite-Associated U	116 C 7	7	INAC (1981, p. 292)
92 REIN	Stratabound Concordant Ba	116 B 9	7	INAC (1981, p. 292)
93 NEBULOUS	Breccia U	116 B 7	7	INAC (1981, p. 293)
94 DEM	Wernecke Breccia Pb Zn	116 B 13	9	Sinclair <u>et al</u> (1976, p. 85)
95 OD	Wernecke Breccia Pb Zn	116 B 13	9	Sinclair <u>et al</u> (1976, p. 86)
96 ID	Wernecke Breccia Cu	116 B 13	7	Sinclair <u>et al</u> (1976, p. 87)
97 KIMI (KIM)	Deleted: same as #65 SEELA			
98 MONY	Work Target	116 B 8	9	Morin <u>et al</u> (1977, p. 142)
99 GULCH	Granite-Associated U	116 B 11	7	Morin <u>et al</u> (1977, p. 143)
100 ROSE (RG)	Work Target	116 C 7	9	INAC (1982, p. 242)
101 HOT	Work Target	116 B 8	9	Morin <u>et al</u> (1979, p. 53)
102 TETA	Granite-Associated U	116 B 7	7	Morin <u>et al</u> (1979, p. 54)
103 SUMTING	Work Target	116 B 7	9	Morin <u>et al</u> (1979, p. 54)
104 BRX	Vein? Wernecke Breccia? Pb Zn	116 B 11	7	Morin <u>et al</u> (1979, p. 55)
105 ROB	Wernecke Breccia? Cu	116 B 14	7	Morin <u>et al</u> (1979, p. 56)
106 DAWG	Work Target	116 B 15	9	Morin <u>et al</u> (1979, p. 56)
107 PUB	Work Target	116 C 2	9	Morin <u>et al</u> (1980, p. 29)
108 MICKEY	Work Target	116 C 8	9	INAC (1982, p. 241-242)
109 SPEC	Work Target	116 B 3	9	INAC (1983, p. 224, 227)
110 SWEDE	Work Target	116 C 1	9	INAC (1982, p. 224)
111 GRAPS	Work Target	116 B 9	9	INAC (1982, p. 224)
112 TURK	Asbestos	116 C 7	9	INAC (1985, p. 280)
113 MILLER CREEK	Deleted: same as #14 MILLER CREEK			
114 HOLLY	Work Target	116 C 1	9	
115 TIZA	Asbestos	116 C 8	7	INAC (1983, p. 224, 226)
116 JOE "1"	Work Target	116 B 3	9	INAC (1983, p. 224, 227)
117 CEDAR	Work Target	116 C 2	9	INAC (1986, p. 237, 239);
118 PINE	Work Target	116 C 2	9	INAC (1986, p. 227)
119 SPEC-2	Work Target	116 B 3	9	INAC (1983, p. 224, 227);
120 XL	Work Target	116 B 3	9	INAC (1987, p. 397)
121 TOP	Work Target	116 B 4	9	INAC (1985, p. 280; 1986, p. 239)
122 SMOKEY	Work Target	116 C 7	9	INAC (1985, p. 280)
123 BH	Work Target	116 C 7	9	INAC (1985, p. 277)
124 SHARON	Work Target	116 B 3	9	INAC (1986, p. 238)
125 TOWER	Work Target	116 B 3	9	INAC (1987, p. 397-398)
126 GEF	Work Target	116 B 3	9	INAC (1986, p. 238)
127 RENZO	Work Target	116 B 3	9	INAC (1986, p. 238)
128 KTHR	Work Target	116 C 15	9	INAC (1986, p. 238)
129 CHELS	Work Target	116 C 2	9	INAC (1987, p. 399)
130 SONY	Work Target	116 C 2	9	INAC (1987, p. 399)
131 APEX	Work Target	116 C 2	9	INAC (1987, p. 399)
132 STEMCO	Work Target	116 C 2	9	INAC (1987, p. 399)
133 SHAROL	Asbestos	116 B 3	7	Debicki (1984)
134 GORDON	Vein Cu Pb	116 B 3	7	Debicki (1984)
135 IMPAIRED	Work Target	116 C 2	9	This Report
136 HUD	Work Target	116 B 8	9	This Report
137 DAS	Wernecke Breccia Cu	116 B 13	7	G. Abbott (Personal communication, 1988)
138 TOUR	Work Target	116 B 13	9	G. Abbott (Personal communication, 1988)

**9. FIBRE**

N. Tirkanitz  
116 B 3  
64°03'N, 139°22'W

Claims: SASHA 1-2, PETE 1-2,  
TOMI 1-2, NIKI 1-2  
KATHY 1-2, ALEXIS 1-2

**12. WEST DAWSON**

W. Gaven  
116 B 3  
64°03'N, 130°28'W

Claims: CLOSE BUY 1-6

**31. KEYSTONE**

J. Moreau  
116 B 4, 5  
64°16'N, 139°36'W

Claims: BALL 1-40

**39. GRAVE**

K. Hudson  
116 B 7  
64°27'N, 138°40'W

Claims: MOONDANCE 1-4

**74. SANDOW**

K. Hudson  
116 B 8  
64°18'N, 138°17'W

Claims: HUD 1-12, BUZ 1-6

**100. ROSE (RG)**

A. Johnny, J. Moreau, J. Scarff  
116 C 7  
64°24'N, 140°35'W

Claims: OGIL 1-40

**130. SONY**

D. Cuevas, A. Downes  
116 C 2  
64°02'N, 140°47'W

Claims: GYPSY 1-4, BIG GOLD

**135. IMPAIRED**

R. McPhee, M. Fraser  
116 C 2  
64°12'N, 140°45'W

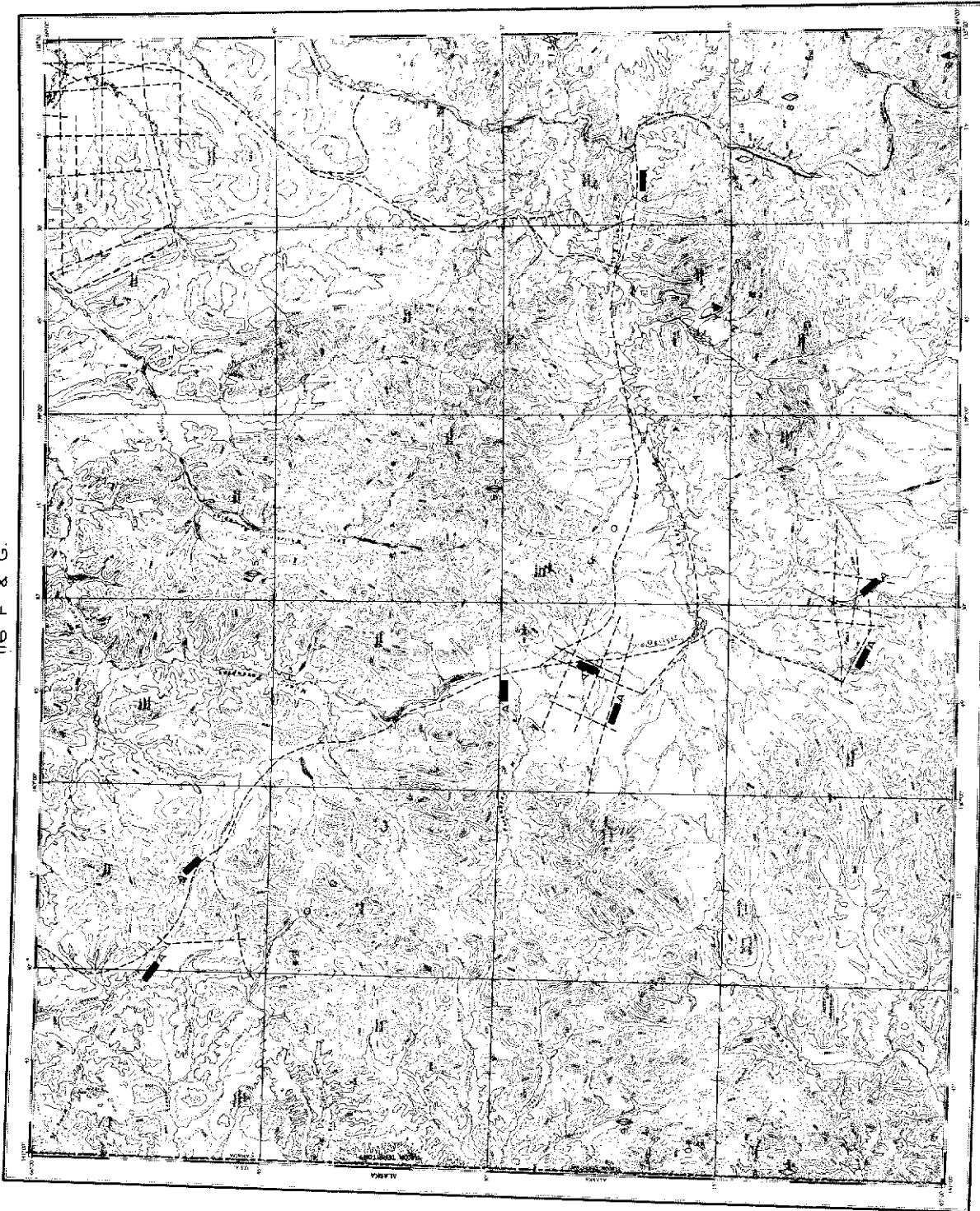
Claims: IMPAIRED 1-48

**136. HUD**

G. Clark  
116 B 1  
64°07'N, 138°14'W

Claims: LEE 1-32

116 F & G.



OGILVIE RIVER  
YUKON TERRITORY

----- Trail  
——— Driveable Road  
——— A  
——— Airstrip



Lands withdrawn from staking  
and No. 100 claims are shown  
for specific claim map for  
accurate location and  
additional size of withdrawal.

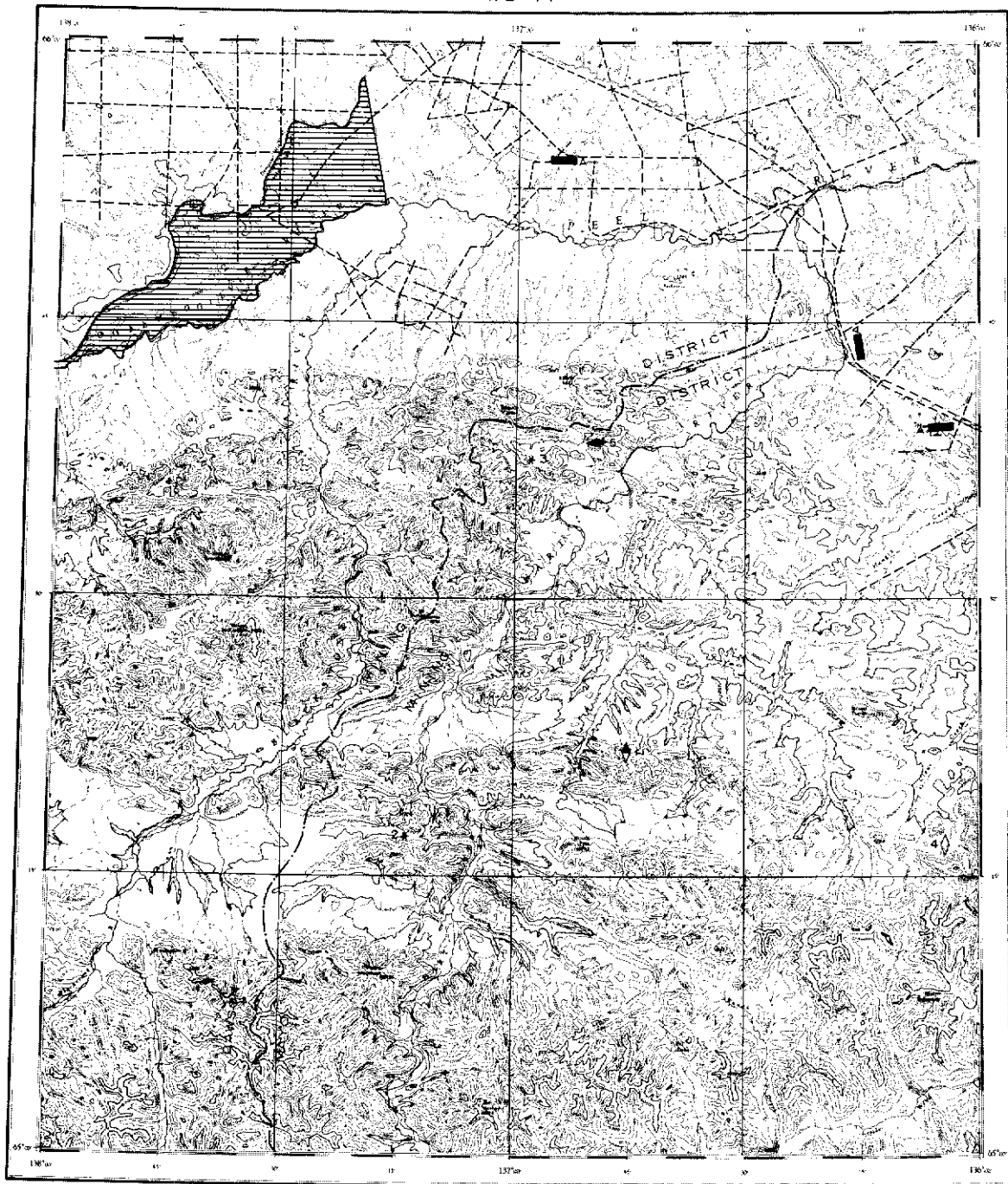


## OGILVIE MAP-AREA (NTS 116 F-G)

General References: GSC Open File 715 by D.K. Norris, 1980;  
 GSC Map 1526A by D.K. Norris, 1982a;  
 GSC Geochem Open File 418.

ND. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 BURGQYNE (KEPT)	Vein, Replacement Zn	116 F 2	7	Sinclair <u>et al</u> (1976, p. 90)
2 SIT DOWN	Work Target	116 F 9	9	Norris (1976, p. 459)
3 DYKE	Vein Cu, Asbestos	116 G 1	7	Norris (1974, p. 344)
4 NUCLEAR (BEAR)	Vein Pb Zn	116 G 3	7	Sinclair <u>et al</u> (1975, p. 77-78)
5 GIG	Vein Pb	116 G 14	7	
6 COOT	Vein Pb	116 G 11	7	
7 BIBLO	Stratabound Discordant Zn Pb	116 G 7	7	INAC (1981, p. 295)
	Vein Pb Ba			
8 MILCH	Vein Ba	116 G 1	7	INAC (1982, p. 245)
9 PL	Vein Pb Zn	116 F 7	7	Morin <u>et al</u> (1980, p. 30-31)
10 TIN	Work Target	116 F 7	7	Morin <u>et al</u> (1980, p. 30)
11 ELBOW	Vein Ba	116 G 1	7	Morin <u>et al</u> (1980, p. 31)
12 KZ	Work Target	116 G 1	9	INAC (1983, p. 229)
13 BANG ON	Vein Ba	116 G 8	7	INAC (1982, p. 245); INAC (1983, p. 229)

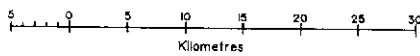




HART RIVER  
YUKON TERRITORY



Lands withdrawn from staking due to Native Land Claims (see specific claim map for accurate location and additional sites of withdrawal).



- Tote Trail.
- Driveable Road.
- Alstrip.

## HART RIVER MAP-AREA (NTS 116 H)

General References: GSC Open File 715 by D.K. Norris, 1980;  
GSC Map 1527A by D.K. Norris, 1982b;  
GSC Geochem Open File 418.

NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 CUNG	Vein Cu	116 H 7	7	Sinclair <i>et al</i> (1975, p. 69-70)
2 JANE	Work Target	116 H 6	9	Sinclair <i>et al</i> (1976, p. 75); D.I.A.N.D. (1982, p. 247); D.I.A.N.D. (1983, p. 231)
3 CYLINDER	Work Target	116 H 10	9	Morin <i>et al</i> (1980, p. 24)
4 HEIDI	Vein Ba	116 H 8	7	D.I.A.N.D. (1982, p. 247); D.I.A.N.D. (1983, p. 231)
5 ROSE	Stratabound Pb Zn Cu	116 H 10	7	This Report

**ROSE**  
Balmoral Mines Ltd

Lead, Zinc, Copper  
Stratabound Discordant  
116 H 10 (5)  
65°38'N, 136°50'W  
1968

**References:** No previous reference

**Claims:** ROSE 1-24; JOHN 1-5; RY 6-7; TRADE 9-16

**Source:** Summary by T. Bremner of assessment report 091695 by F. Holcapek (Agilis Exploration Services Ltd).

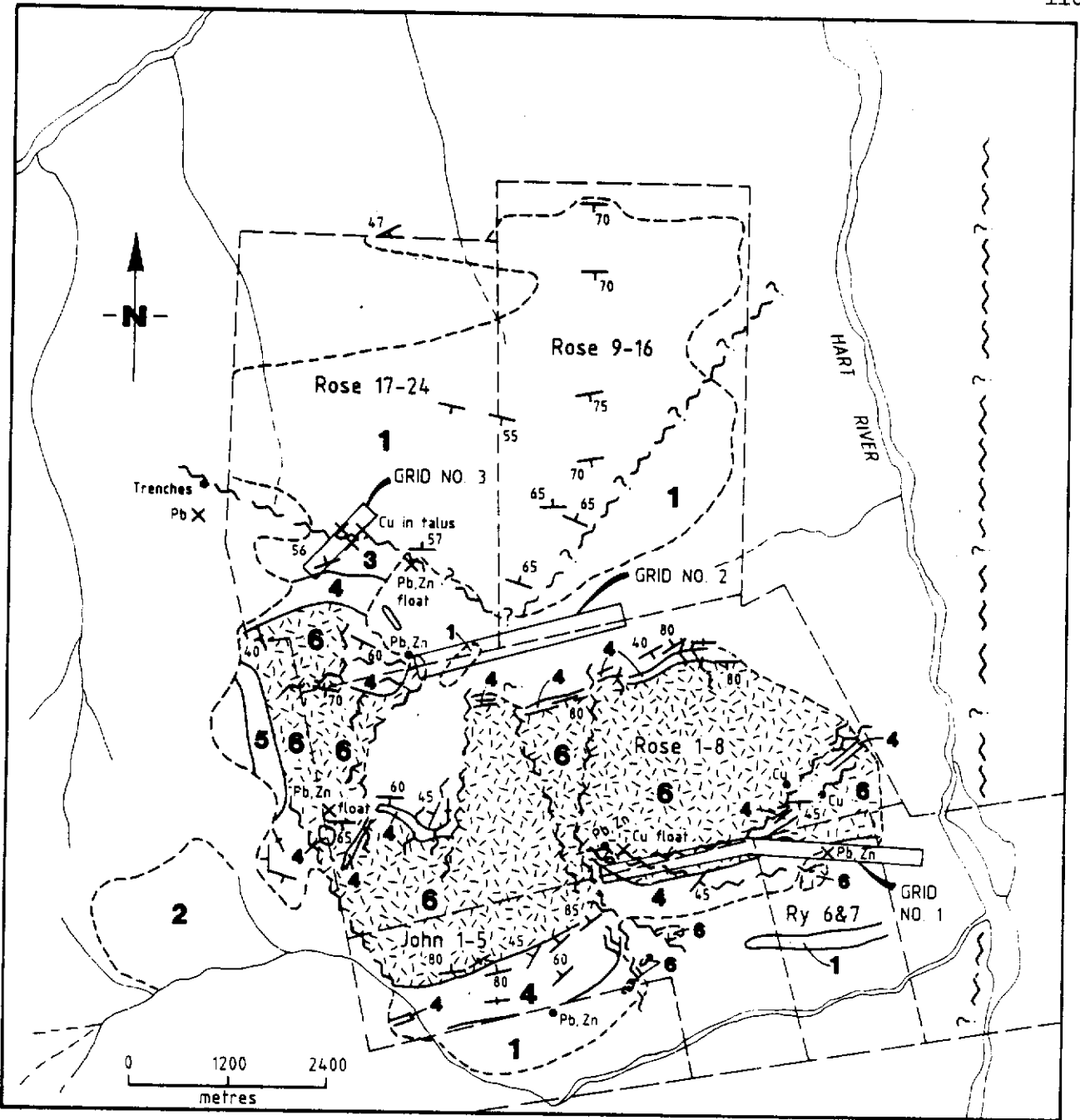
### Description:

Proterozoic slate and dolomite is intruded by an altered andesite dyke of probable Cretaceous age. Sphalerite, galena and chalcopryrite occur along the intrusive contacts.

### Current Work and Results:

In 1968, 243 soil samples were taken on three grids covering different areas of the andesite-slate contact. Magnetic and VLF-EM 16 surveys were conducted on each grid and fourteen hand trenches were excavated. A large magnetic high along the southern contact coincides with a strong copper-lead-zinc anomaly which returned values up to 714 ppm Cu, 980 ppm Pb and 650 ppm Zn. The anomaly is associated with strongly sheared andesite and siltstone. Chalcopryrite, galena and sphalerite occur in talus downslope from the soil anomaly.

The northern grid covers a shear zone in phyllite. Anomalous soil samples containing up to 790 ppm Cu, 645 ppm Zn and 300 ppm Pb lie along a strong northwest trend. Chalcopryrite, galena and sphalerite were found in float nearby. Bedrock containing galena and sphalerite was exposed in five of the trenches. The sulphides occur as fracture fillings and disseminations along the chilled and silicified contact between andesite and siltstone, over a width of 1-2 m. Where hosted by siltstone the sulphide minerals occur in layers parallel to bedding.



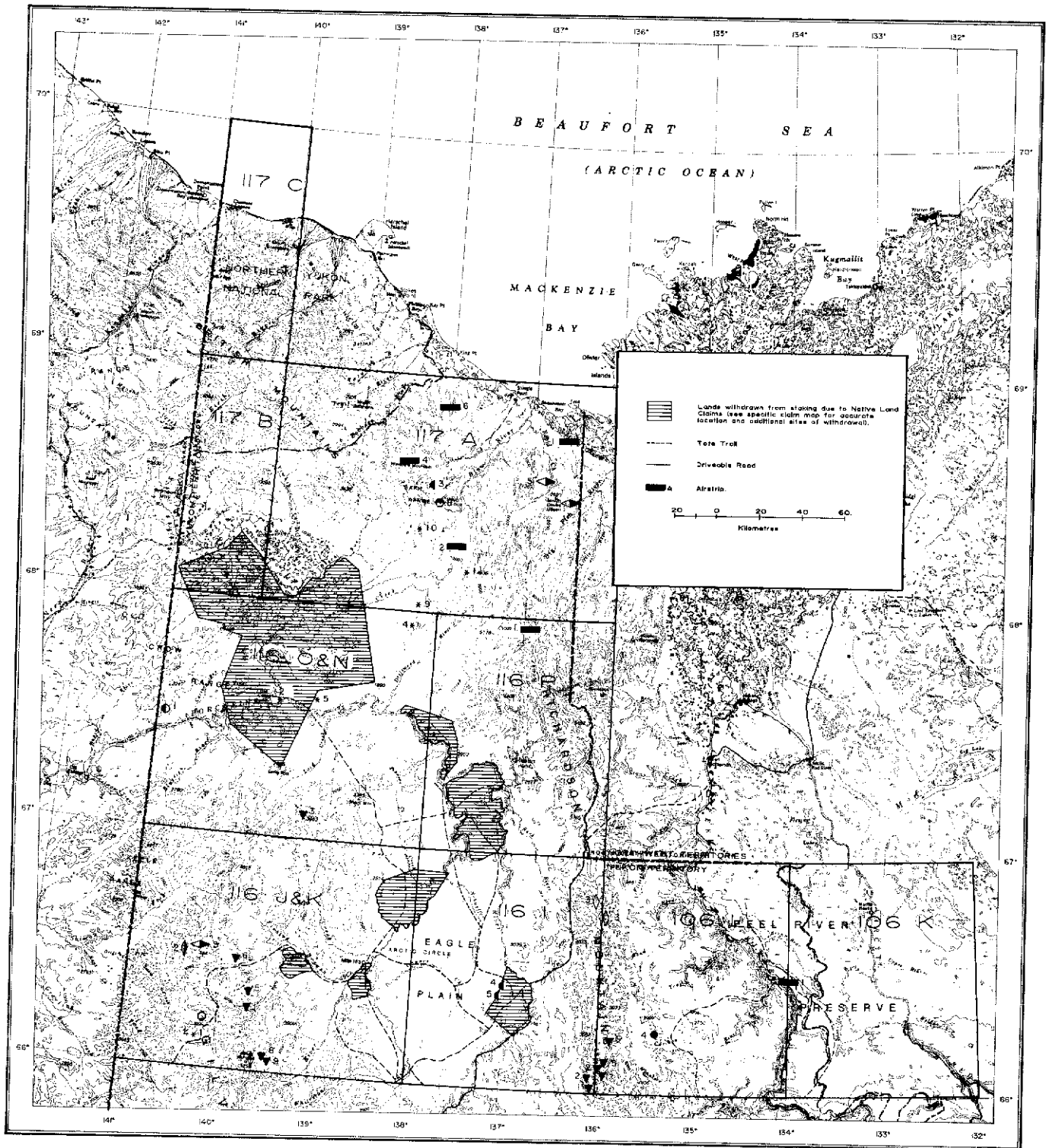
**LEGEND**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li><span style="border: 1px solid black; padding: 2px;">6</span> Andesite, Gabbroic in place</li> <li><span style="border: 1px solid black; padding: 2px;">5</span> Thin bedded red and green banded Quartzites</li> <li><span style="border: 1px solid black; padding: 2px;">4</span> Siltstone, Dolomite &amp; Quartzite thinly interbedded</li> <li><span style="border: 1px solid black; padding: 2px;">3</span> Orange weathering Dolomite</li> <li><span style="border: 1px solid black; padding: 2px;">2</span> Light blue to light grey Dolomite</li> <li><span style="border: 1px solid black; padding: 2px;">1</span> Phyllitic Argillite</li> <li><span style="border-bottom: 1px solid black; width: 20px; display: inline-block;"></span> Area of surveys</li> </ul> | <ul style="list-style-type: none"> <li>x Mineralized float Pb, Zn, Cu</li> <li>• Mineralization in place Pb, Zn, Cu</li> <li>— Bedding attitude</li> <li>~ Fault observed</li> <li>~? Fault inferred</li> <li>— Geological contact</li> <li>- - - Limit of outcrop</li> <li>- - - Claim boundary (approximate)</li> </ul> |
|---|---|

**HAY RIVER PROPERTY  
(ROSE CLAIMS ETC.)**

DETAILED GEOLOGY FROM ASSESSMENT REPORT  
091695 BY F. HOLCAPEK (1968)





## MARTIN HOUSE MAP-AREA (NTS 106 K)

General References: GSC Open File 715 by D.K. Norris, 1980;  
GSC Map 1525A by D.K. Norris, 1981h.

NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 CARIBOU BORN	Coal	106 K 5	7	

## TRAIL RIVER MAP-AREA (NTS 106 L)

General References: GSC Open File 715 by D.K. Norris, 1980;  
GSC Map 1524A by D.K. Norris, 1981g;  
GSC Open File 875 by M.P. Cecile, I.F. Hutcheon, V. Gardner, 1982;  
GSC Geochem Open File 420.

NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 PILON	Stratabound Discordant Zn Pb	106 L 4	7	Sinclair <i>et al</i> (1975, p. 88-89)
2 TWICE	Stratabound Discordant Pb Zn	106 L 4	7	Sinclair <i>et al</i> (1975, p. 90-91)
3 TOUCHE	Vein Ba	106 L 12	7	INAC (1983, p. 233)
4 NOR	Breccia U Cu	106 L 6	7	INAC (1981, p. 300-301)
5 RAS	Stratabound Discordant Pb Zn	106 L 4	9	Sinclair <i>et al</i> (1976, p. 78)
6 PETE	Stratabound Discordant Pb Zn	106 L 5	7	Sinclair <i>et al</i> (1976, p. 79)

## EAGLE RIVER MAP-AREA (NTS 116 I)

General References: GSC Open File 715 by D.K. Norris, 1980;  
GSC Map 1523A by D.K. Norris, 1981;  
GSC Open File 875 by M.P. Cecile, I.F. Hutcheon, V. Gardner, 1982;  
GSC Geochem Open File 420.

NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 LLOD	Stratabound Discordant Zn Pb	116 I 1	7	Sinclair <i>et al</i> (1975, p. 87-88)
2 HARIVAL	Stratabound Discordant Zn Pb	116 I 1	7	Sinclair <i>et al</i> (1975, p. 87-88)
3 TOUCHE	Vein Ba	116 I 16, 13	7	INAC (1983, p. 233-234)
4 EAGLE RIVER	Bitumen	116 I 6	7	Norris (1974, p. 348)
5 EAGLE	Bitumen	116 I 6, 7	7	Norris (1974, p. 348)

## PORCUPINE RIVER MAP-AREA (NTS 116 J-K)

General References: GSC Open File 715 by D.K. Norris, 1980;  
GSC Map 1522A by D.K. Norris, 1981e.

NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 PEACH	Stratabound Discordant Zn Pb	116 J 5	7	Sinclair <i>et al</i> (1975, p. 81-82)
2 RUSTY SPRINGS	Vein Ag Pb Zn Cu	116 K 8	5	INAC (1985, p. 288); This Report
3 ALTO	Stratabound Concordant Fe	116 K 9	2	Norris (1976, p. 461); This Report
4 BERN	Work Target	116 K 1	9	Sinclair <i>et al</i> (1975, p. 79-81)
5 FISHING BRANCH	Stratabound Discordant Zn Pb	116 J 5	7	Sinclair <i>et al</i> (1975, p. 81-82)
6 MOKO	Stratabound Discordant Zn Pb	116 J 5	7	Sinclair <i>et al</i> (1975, p. 81-82)
7 WART	Vein	116 J 4	7	Sinclair <i>et al</i> (1975, p. 84)
8 YUM	Stratabound Discordant Zn Pb	116 J 3	7	Sinclair <i>et al</i> (1975, p. 83-84)
9 BULLIS	Stratabound Discordant Zn Pb	116 J 3	7	Sinclair <i>et al</i> (1975, p. 85)

## OLD CROW MAP-AREA (NTS 116 N-0)

General References: GSC Open File 715 by D.K. Norris, 1980;  
GSC Map 1518A by D.K. Norris, 1981c.

NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 SUNAGHUN	Skarn W Pb Zn	116 N 7	7	Green and Godwin (1964, p. 18)
2 TACK	Work Target	116 O 12	9	McConnell (1890, p. 127-128)
3 SALEKEN	Stratabound Discordant Zn Pb	116 O 3	7	Sinclair <u>et al</u> (1975, p.85-86)
4 BEAR	Work Target	116 O 16	9	
5 NOR	Work Target	116 O 11	9	

## BELL RIVER MAP-AREA (NTS 116 P)

General References: GSC Open File 715 by D.K. Norris, 1980;  
GSC Map 1519A by D.K. Norris, 1981d.

NO. PROPERTY NAME	OCCURRENCE TYPE	N.T.S.	STATUS	REFERENCE
1 NORRIS	Coal	116 P 15	7	Norris (1974, p. 348)

## BLON RIVER MAP-AREA (NTS 117 A)

General References: GSC Map 1516A by D.K. Norris, 1981b;  
GSC Geochem Open File 565;  
GSC Paper 85-24 by D.C. Findlay, C.F. Gleeson, R.T. Bell, W.D. Goodfellow  
and R.D. Lancaster (1986).

NO. PROPERTY NAME	OCCURRENCE	N.T.S.	STATUS	REFERENCE
1 MOOSE CHANNEL	Coal	117 A 9	7	Bostock (1953, p. 30)
2 BONNET	Coal	117 A 7	7	Jeletzky (1960); Cameron <u>et al</u> (1986, p. 665-670)
3 HOIDAHL	Occurrence Mo W	117 A 11	7	Vokes (1962)
4 WELCOME	Coal	117 A 11	7	Bostock (1953, p. 26)
5 RAPID	Stratabound Concordant Fe	117 A 9	7	Young (1972, p. 232)
6 SHINGLE	Coal	117 A 14	7	Norris (1972, p. 97)
7 STRADDLE	Stratabound Concordant Fe	117 A 8	7	Young (1972, p. 232)
8 MAM	Skarn U W Mo	117 A 6	7	INAC (1981, p. 304)
9 NET	Work Target	117 A 3	9	Morin <u>et al</u> (1979, p. 58)
		116 O 16		
10 BOU	Work Target	117 A 6	9	Morin <u>et al</u> (1979, p. 58)
11 LIN	Work Target	117 A 2	9	Morin <u>et al</u> (1980, p. 31)

INDEX OF ACQUISITIONS OF H.S. BOSTOCK CORE LIBRARY

The H.S. Bostock Core Library houses approximately 107 396 metres of diamond drill core from 130 Yukon properties. The facility is located across the street from the Northern Affairs building at 200 Range Road. The core is stored in its original boxes, with no sample reduction practised. Confidentiality is maintained on the same basis as mineral claim assessment reports; a letter of release from the company owning the property must accompany a request to view confidential core. Status of specific core can be checked and arrangements to view or submit new core can be made by contacting the core librarian at 667-3204. Diamond saws, a core splitter and microscopes are available for use in heated examination rooms.

The following is a list of the properties now represented in the library. Location of the properties can be found by referring to N.T.S. maps and lists in this volume.

H.T.S.	MAP LIST	PROPERTY AND/OR CLAIM NAME	COMPANY
94 K	(B.C.)	DRIFTPILE CREEK	Archer, Cathro and Associates (1981) Ltd (Gataga J.V.)
94 L	(B.C.)	DRIFTPILE CREEK	Archer, Cathro and Associates (1981) Ltd (Gataga J.V.)
95 D 5	(3)	MCMILLAN (QUARTZ LAKE)	Asarco Exploration of Canada
95 D 5, 12	(3)	MCMILLAN (QUARTZ LAKE)	Noranda Exploration Co. Ltd
95 D 5, 12	(8)	PORKER	Archer, Cathro and Associates (1981) Ltd (Hyland J.V.)
95 D 6	(2)	MEL-HOSER	Sovereign Metals Ltd
95 D 6	(2)	MEL-HOSER	Novamin Resources Ltd
104 M 1	(B.C.)	HOBBOE CREEK	Noranda Exploration Co. Ltd
105 A 7, 10	(6)	HUNDERE	Canadian Mine Services, Cima Resources Ltd
105 B 1	(3)	LUCK (A & B)	Serem Resources Inc.
105 B 1	(4)	FIDDLER	Amax of Canada Ltd
105 B 4	(29)	LOGJAM	A.M.P. Exploration Ltd
105 B 4	(45,46)	M.C. (SWIFT), DU	Dupont of Canada
105 B 4	(54)	CAN	Cominco Ltd
105 B 7	(17)	NITE	Archer, Cathro and Associates (1981) Ltd (Wolf Lake J.V.)
105 B 11	(35)	IRVINE (RANCHERIA)	Hudson Bay Exploration and Development Co. Ltd
105 C 8, 9	(2)	BAR (SMEG)	Comox Resources Ltd
105 C 12	(63)	MARSH	G. MacLeod
105 C 13	(6)	RED MOUNTAIN	Boswell River Mines Ltd
105 C 14	(17)	LINDSAY	J. Lindsay
105 D 1	(1)	JUBILEE	Golden Slipper Resources, Logan Mines Ltd
105 D 2	(5)	VENUS	Venus Mines Ltd
105 D 2	(6)	JEAN	Univex Mining Corp.
105 D 2	(9)	BIG THING (ARCTIC)	Arctic Gold and Silver Mines Ltd
105 D 2	(9)	BIG THING (ARCTIC) (PEERLESS)	International Mine Services
105 D 2, 3	(32)	MT STEVENS (TON, JL)	Island Mining and Explorations Co. Ltd
105 D 3	(28)	MT. ANDERSON	Noranda Exploration Co. Ltd
105 D 3	(112)	ODD	Shakwak Exploration Co. Ltd
105 D 3, 4	(19)	CHARLESTON (HO)	Island Mining and Explorations Co. Ltd
105 D 3, 6	(29)	TALLY-HO	Tally-Ho Exploration Ltd
105 D 4	(105)	RAM	Inco Metals Co.
105 D 6	(145)	BEAR	Shakwak Exploration Co. Ltd
105 D 10, 11	(49)	WHITEHORSE COPPER (VALERIE)	Whitehorse Copper Mines Ltd
105 D 11	(49)	WHITEHORSE COPPER (LAST CHANCE)	Hudson Bay Exploration and Development Co. Ltd
105 D 11	(49)	WHITEHORSE COPPER (WAR EAGLE)	Hudson Bay Exploration and Development Co. Ltd
105 D 11		WHITEHORSE POWER DAM	Northern Canadian Power Commission
105 D 11	(53)	POLAR	M. Nichiporick
105 D 11	(67)	GROUSE	E. Kreft
105 D 14	(79)	SUITS (KING LAKE)	United Keno Hill Mines Ltd
105 D 14	(147)	BEE	Silver Sabre Resources Ltd
105 E 11	(43)	MIDAS	Midas Exploration Ltd
105 F 3		QUIET LAKE	J. Lindsay
105 F 6	(72, 73)	HIDDEN, AYDUCK	Archer, Cathro and Associates (1981) Ltd (Cub J.V.)
105 F 7, 10	(75)	GULL (SEAGULL, MAT)	Dupont Canada Exploration Inc.
105 F 9	(86)	EROS	Curragh Resources Inc.
105 F 9, 10	(78)	BNOB	Curragh Resources Inc.
105 F 10	(80)	ANISE	Curragh Resources Inc.



105 G 2	(24)	FYRE (DUB)	Atlas Exploration
105 G 3	(4)	TINTINA (EAGLE)	Tintina Mines Ltd
105 G 6	(13)	SANDERS (MARMOT)	Archer, Cathro and Associates (1981) Ltd (Chevron Minerals Ltd)
105 G 6	(55)	BOOT	Archer, Cathro and Associates (1981) Ltd (Chevron Minerals Ltd)
105 G 6	(69)	CYR	Newmont Exploration of Canada Ltd
105 G 7	(21)	PACK	Conwest Exploration Ltd
105 G 8	(44)	FETISH	Archer, Cathro and Associates (1981) Ltd (Finlayson J.V.)
105 G 11	(58)	EAGLE (FRED) (BEV)	Hudson Bay Exploration and Development Co. Ltd
105 G 14	(42)	ELECTRIC (SHALE)	Pelly Banks Syndicate
105 G 14	(57)	DWONK	Curragh Resources Inc.
105 G 14	(68)	LEACH	Dupont Canada Exploration Inc.
105 H 5	(55)	JULIA	Esso Minerals Canada
105 H 8	(50)	SUSAN	Union Carbide Canada Ltd
105 I 12,	(13)	ABBEY	Archer, Cathro and Associates (1981) Ltd (Itsi J.V.)
105 J 9			
105 K 1	(1)	TENAS	Dupont Canada Exploration Inc.
105 K 2	(88)	GREW CREEK (CANYON)	Hudson Bay Exploration and Development Co. Ltd
105 K 3	(5)	FARGO (SUNSET)	Welcome North Mines
105 K 3	(6)	LYN	Cyprus Exploration
105 K 3	(6)	LYN (PUG)	J. Graham
105 K 6		ROSE CREEK	Cyprus Anvil Mines Ltd
105 K 11	(44)	KEGLOVIC (HAL)	Northern Homestake
105 L 8	(20)	FELIX	Union Carbide Canada Ltd
105 L 14	(30)	TUM	Cominco Ltd
105 M 13	(28)	WAYNE	Island Mining and Explorations Co. Ltd
105 M 14	(20)	EAGLE	Archer, Cathro and Associates (1981) Ltd (Brameda Resources)
105 O 1	(1)	TOM	Hudson Bay Exploration and Development Co. Ltd
105 O 1	(28)	ESS	Archer, Cathro and Associates (1981) Ltd (Itsi J.V.)
105 O 1	(29)	FETCH	Inco Metals Co.
105 O 2	(17)	TEA (BROCK)	5494 Yukon Ltd.
106 B 4	(4)	BIRKELAND (TOM)	McIntyre Mines Ltd
106 B 15, 16	(N.W.T.)	GAYNA RIVER	Rio Tinto
106 C 7	(19)	GOZ CREEK	Barrier Reef Resources
106 C 7	(20)	HARRISON	Great Plains Development
106 C 13	(6)	FAIRCHILD	Magni Mana Cement
106 C 14	(10)	MAMMOTH (DOLORES CREEK)	Bonnet Plume River Mines
106 C 14	(71)	PTERD	Archer, Cathro and Associates (1981) Ltd (Ogilvie J.V.)
106 C 15, 16	(48)	CAB	Welcome North Mines Ltd
106 D 10	(48)	BOND	Archer, Cathro and Associates (1981) Ltd (Hernecke J.V.)
106 D 16	(37)	PAGISTEEL	Pacific Giant Steel
106 E 1, 2	(17, 6)	OTIS, IGOR	Archer, Cathro and Associates (1981) Ltd (Ogilvie J.V.)
106 E 2	(4)	FLUNK	Archer, Cathro and Associates (1981) Ltd (Ogilvie J.V.)
106 E 3	(5)	FORSTER (MST)	Archer, Cathro and Associates (1981) Ltd (Ogilvie J.V.)
106 E 6	(9)	BONNET PLUME	Pan Ocean Oil
114	(B.C.)	PANTHER	Canex Placer
114 P 7, 8	(B.C.)	CANDY MOUNTAIN	Noranda Exploration Co. Ltd
114 P 10	(B.C.)	PARTON RIVER	Noranda Exploration Co. Ltd
114 P 15	(B.C.)	MULE CREEK	Noranda Exploration Co. Ltd
115 A 3	(1)	JACKPOT	Jackpot Copper
115 A 8	(17)	DEVILHOLE? (GREEN, EAGLE, JOY)	Phelps Dodge Corporation of Canada Ltd
115 F 15	(33)	CANALASK (MICRO)	P. Verslucé
115 F 15, 16	(33)	CANALASK (MICRO)	Canalask Nickel Syndicate
115 G 5	(18)	WELLGREEN (QUILL CREEK)	Hudson Bay Exploration and Development Co. Ltd; Archer, Cathro & Associates (1981) Ltd
115 G 6	(12)	CORK	Imperial Oil
115 H 2	(12)	AISHIHIK	Hudson Bay Exploration and Development Co. Ltd
115 H 8,	(8)	DIVISION (TESLIN)	Arjay Kirker Resources; Teslin
105 E 5			Exploration
115 H 9	(4)	MACK'S	A. Arsenault, P. Verslucé
115 H 12, 5	(16)	SEKULMUN	M. Nichiporick
115 H 15	(19)	BUFFALO (TAH)	Noranda Exploration Co. Ltd
115 I 1	(3)	TANTALUS BUTTE	Tantalus Butte
115 I 3	(40)	MT. HANSEN	Area Explorations
115 I 5	(23)	CASH	Archer, Cathro and Associates (1981) Ltd (Klotassin J.V.)
115 I 5	(21)	FROG (LILYPAD)	Archer, Cathro and Associates (1981) Ltd (Ukon J.V.)
115 I 6	(26, 64)	REVENUE, NUCLEUS	Archer, Cathro and Associates (1981) Ltd (Nat J.V.); Shakwak Exploration
115 I 6	(34)	LAFORMA	Rayrock Mines; Tally-Ho Exploration
115 I 6	(63)	DART	Noranda Exploration Co. Ltd
115 I 7	(5)	WILLIAMS CREEK	Archer, Cathro and Associates (1981) Ltd
115 I 7	(36)	GRANITE MOUNTAIN (MARCH)	Archer, Cathro and Associates (1981) Ltd (Dawson Range J.V.)

115 I 11	(14)	MINTO	United Keno Hill Mines Ltd
115 I 13	(51)	KERR? (WON)	Kerr Addison Mines Ltd
115 I 14	(17)	PELLY (PELLY, DARY)	Occidental Petroleum
115 J 9	(41)	KOE	Kerr Addison Mines Ltd
115 O 11	(25)	MCKINNON (MAC, FOX)	McKinnon Rand Resources
115 O 14	(90)	DAWSYND	Arbor Resources Inc.
115 P 13	(13)	CLEAR CREEK (URA)	Beach Gold Mines
115 P 14	(42)	ZETA	Noranda Exploration Co. Ltd
116 B 3, 2,	(4)	UNEXPECTED	Archer, Cathro and Associates (1981)
115 O 14, 15			Ltd
116 B 7	(78)	MARN	Noranda Exploration Co. Ltd
116 B 7	(91)	MAIDEN (TING)	Archer, Cathro and Associates (1981)
			Ltd
116 B 8, 11	(95)	OD (OD, LALA)	Union Miniere
116 B 9, 10	(86)	TAK	Noranda Exploration Co. Ltd
116 B 11	(99)	GULCH (RACKLA)	Chevron Standard Ltd
116 C 7	(17)	CLINTON CREEK	Cassiar Asbestos
116 C 8	(27)	CASSIAR CREEK (SUBMARINE)	Noranda Exploration Co. Ltd
116 G 1	(8)	MILCH (KAREN)	Milchem Canada



## LIST OF REFERENCES

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- ABBOTT, G., 1985. Silver-bearing veins and replacement deposits of the Rancheria District; in Yukon Exploration and Geology 1983, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 34-44.
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- ANDERSON, R.G., 1987. Plutonic Rocks in the Dawson map area, Yukon Territory; Geological Survey of Canada, Current Research, Paper 87-1A, p. 689-697.
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TARFU (105 C)	87	TOG (115 O)	300
TARGET O (105 M)	24	TOKE (105 G)	167
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TOUCHE (106 L)	325	VANGUARD (105 M)	190
TOUCHE (116 I)	325	Vanwermskerken, M.	141
TOUR (116 B)	316	VARISCITE (MS) (105 J)	177
TOW (106 C)	205	VENUS (105 D)	97,112
TOWER (116 B)	316	VENUS (115 G)	248
TOWER PEAK (105 F)	149	VER (105 F)	156,164
TOWHATA (115 I)	262	VERA (106 C)	205
TOWNSITE (105 M)	191	VERLE (105 K)	183
TOY (REA) (105 H)	171	VERLENE (115 I)	263
TRADE (116 H)	321	Verley, C.G.	40,160,163
TRAFFIC (105 J)	177	VERONA (105 D)	99
Trail River map-area	325	Versluce, H.	40,156,163,237
TRANZ (95 C)	61	Versluce, P.	34,156,237,239,245
TREDGER (105 L)	187	VH (105 B)	73,74
TREE (105 D)	99	VI (115 O)	290
TREE (105 F)	150	VIC (105 B)	39
TREMAR (105 D)	97,139	VIC (115 I)	36
Tremblay, L.	253	VIC (115 J)	277
TRENCH (105 F)	147	VIEW (115 O)	301
TREVA (115 O)	285	VIKING (105 H)	171
TRILBY (115 O)	285	VIN (105 D)	40,100,143
Tritschner, E.	141	VINA (115 J)	277
TROLL (105 D)	98	VINCENT (105 G)	167
TROUT (105 B)	72	VIOLET (115 O)	285
TROUT (105 F)	150,154	VIRGIN (116 B)	315
TROY (105 B)	72	VISTA (95 C)	61
TRUDI (115 K)	277	VODKA (105 F)	149
TRUITT (105 L)	187	Volcano Resources Corp.	24,37,56,287
TRUMP (105 K)	180	VOLE (105 F)	150,154
TRYALA (105 O)	195	VOLE (106 F)	219
TRY Minerals Corp.	112	Von Gaza, P.	50
TRYN (115 G)	252	VOWEL (115 H)	257
TSS (105 K)	180	VNER (95 E)	65
TUB (105 E)	145	VUG (116 A)	311
TUB (BRIE) (105 F)	149	VULCAN (106 C)	205
TUCHITUA (105 H)	171	VYE (106 F)	219
TUDL (106 D)	211		
TUF (105 E)	147	W (105 M)	190
TUF (105 M)	191	WABONA (105 D)	97
TUF (115 I)	262	WAD (105 K)	180
TUKU (106 E)	217	WADE (115 G)	233
TUM (105 L)	187	WADE CREEK (115 G)	234
TUMMEL (105 L)	187	WAL (105 D)	99,124,127
TUNA (105 H)	172	WALCOTT (105 D)	97
TUNG (105 B)	72	Walcott, P.E.	290,298
Turner, A.	82	Walhalla Exploration Co. Ltd.	31,40,41,128,252,254
TURK (116 C)	316	Wallis, J.E.	137
TUSTLES (105 H)	171	Wallis, M.	268
TWICE (106 L)	325	WALSH (105 E)	145
TWIN (SUNSET) (95 E)	65	WALT (105 O)	197
Twist Zone	133	WARBURTON (105 A)	67
TWO BUTTES (105 M)	190	WAR EAGLE (105 D)	100
2 D (115 O)	290	WART (116 J)	325
2001 Resource Industries	25,35,56,79,237,250	WAS (105 C)	30,87,91
TYCON (105 D)	99	WATER (105 D)	99
TYER (105 H)	171	WATERS (105 G)	167
TYRO (105 F)	149	WATSON (105 A)	67
TYRRELL (115 N)	285	WATSON (105 D)	99
		Watson Lake	25
UGLY (116 C)	316	Watson Lake map-area	67
ULTRA (115 B)	40,230,231	Watson Lake Mining District	56
UNCER (105 D)	98	Watt, A.	161
UNDAL (105 D)	98	Waugh, D.H.	37,41,116,264,287,301
UNEXPECTED (116 B)	315	WAYNE (105 M)	190

