

**MAP No.**

105-P

106-A,B,C,D,E,L

116-A,B,G,J,C

ASSESSMENT REPORT

N. M. E. A. P.

CONFIDENTIAL

OPEN FILE

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**TYPE OF  
WORK:**University  
Research Study

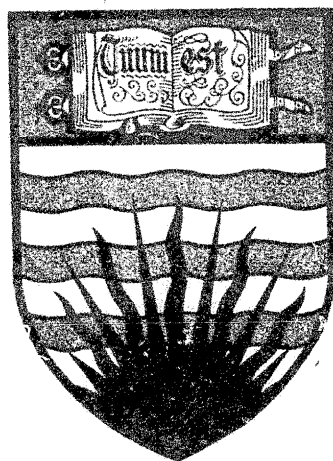
<b>REPORT FILED UNDER</b>	Zinc-Lead Deposits, Yukon & N.W.T. DOCUMENT NO. 061642	
<b>DATE PERFORMED</b>	1975 and 1976	<b>DATE FILED:</b> Dec. 8, 1977
<b>LOCATION -</b> LAT. LONG.	63°00' to 67°00'N	<b>AREA:</b> Ogilvie & Mackenzie Mts Yukon and Mack.
	128° to 135°30'W	
<b>CLAIM NO.</b>		
	DSS file	04 SU C7111-5-0142
<b>VALUE \$</b>		
<b>WORK DONE BY</b>	C.I. Godwin, R. Carne, M. McArthur, G. McLaren, L. Pence (U. of B.C.)	
<b>WORK DONE FOR</b>	Indian and Northern Affairs	
<b>REMARKS</b>	To Study and Catalogue the Zinc-Lead Deposits of the Northern Yukon Territory and Adjacent Northwest Territory.	



Indian and  
Northern Affairs

Affaires indiennes  
et du Nord

THE UNIVERSITY OF BRITISH COLUMBIA



Department of  
**GEOLOGICAL SCIENCES**

SUMMARY REPORT - FEBRUARY 1976

TO STUDY AND CATALOGUE THE ZINC-LEAD DE-  
POSITS OF THE NORTHERN YUKON TERRITORY  
AND ADJACENT NORTHWEST TERRITORY

Dr. C.I. Godwin

SUMMARY REPORT - FEBRUARY 1976

- TO: 1. Mr. A.D. Oliver (Scientific Authority)  
 Oil and Mineral Division  
 Department of Indian Affairs and Northern Development  
 Room 554, 400 Laurier Avenue, W.  
 Ottawa, Ontario
2. Dr. D. Craig  
 Resident Geologist  
 Department of Indian Affairs and Northern Development  
 Federal Building  
 Whitehorse, Y.T.
3. Dr. K. Dawson  
 Geological Survey of Canada  
 601 Booth Street  
 Ottawa, Ontario K1A 0E8

RE: DDS FILE NO: 04 SU C7111-5-0142  
 TO STUDY AND CATALOGUE THE ZINC-LEAD DEPOSITS OF THE  
 NORTHERN YUKON TERRITORY AND ADJACENT NORTHWEST TERRITORY

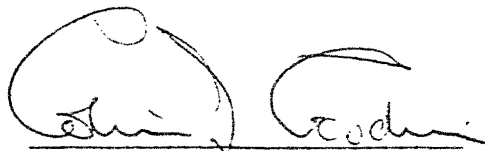
FROM: Principal Investigator

Dr. C.I. Godwin, P. Eng.  
 Assistant Professor  
 Department of Geological Sciences  
 The University of British Columbia  
 Vancouver, B.C. V6T 1W5  
 (204) 228-2804, (204) 939-4274

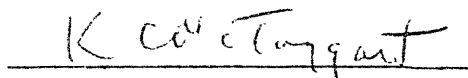
Secondary Investigators

- Mr. R. Carne (M.Sc. Program)  
 Ms. M. McArthur (M.Sc. Program)  
 Mr. G. McLaren (M.Sc. Program)  
 Mr. L. Penco (B.A.Sc. Program)

SIGNATURES:



Principal Investigator



Acting Head of Department, UBC

CONTENTSPage

Project Outline

Progress to February 1976

Budget Request: 1976-1977

Appendix A: Yukon Territory Sample Collection of Zinc-Lead Deposits in Carbonate Rocks, The University of British Columbia (Nos. 10001 to 10044).

1. Cross-Index by Mindep Nos.: Mindep Nos., Property Name, NTS, Commodities
2. Mindep Nos., Deposit Name, Comments - Identification, Comments - Geography
3. Cross-Index by Property Name: Property Name, NTS, Commodities, Mindep Nos.
4. Cross-Index by NTS Map No.: NTS, Mindep Nos., Property Name, Commodities, Mining Division
5. NTS, Mindep Nos., Property Name, Alternate Name(s), References
6. Cross-Index by Commodity for Zinc: Commodities, NTS, Property Name, Mindep Nos., Latitude, Longitude, Elevation
7. Cross-Index by Commodity for Lead: Commodities, NTS, Property Name, Mindep Nos., Latitude, Longitude, Elevation
8. Cross-Index by Commodity for Silver: Commodities, NTS, Property Name, Mindep Nos., Latitude, Longitude, Elevation
9. Cross-Index by Commodity for Copper: Commodities, NTS, Property Name, Mindep Nos., Latitude, Longitude, Elevation
10. Cross-Index by Commodity for Barite: Commodities, NTS, Property Name, Mindep Nos., Latitude, Longitude, Elevation
11. Cross-Index by Commodity for Cadmium: Commodity, NTS, Property Name, Mindep Nos., Latitude, Longitude, Elevation

Appendix B: Northwest Territory Sample Collection of Zinc-  
Lead Deposits in Carbonate Rocks, The University  
of British Columbia (Nos. 20001 to 20028).

1. Cross-Index by Mindep No.: Mindep Nos., Property Name, NTS, Commodities
2. Mindep Nos., Deposit Name, Comments - Identification, Comments - Geography
3. Cross-Index by Property Name: Property Name, NTS, Commodities, Mindep Nos.
4. Cross-Index by NTS Map No.: NTS, Mindep No., Property Name, Commodities, Mining Division
5. NTS, Mindep Nos., Property Name, Alternate Name(s), References
6. Cross-Index by Commodity for Zinc: Commodities, NTS, Property Name, Mindep Nos., Latitude, Longitude, Elevation
7. Cross-Index by Commodity for Lead: Commodities, NTS, Property Name, Mindep Nos., Latitude, Longitude, Elevation
8. Cross-Index by Commodity for Copper: Commodities, NTS, Property Name, Mindep Nos., Latitude, Longitude, Elevation
9. Cross-Index by Commodity for Silver: Commodities, NTS, Property Name, Mindep Nos., Latitude, Longitude, Elevation
10. Cross-Index by Commodity for Barite: Commodities, NTS, Property Name, Mindep Nos., Latitude, Longitude, Elevation
11. Cross-Index by Commodity for Cadmium: Commodities, NTS, Property Name, Mindep Nos., Latitude, Longitude, Elevation

## PROJECT OUTLINE

Several hundred Mississippi Valley-type zinc-lead showings hosted in carbonate rocks have been discovered recently in northern Yukon and adjacent Northwest Territories (between latitudes  $64^{\circ}$  and  $66^{\circ}$  north). The Department of Geological Sciences, University of British Columbia, has collected samples from about 75 of these showings through the efforts of three graduate students that worked in the project area above, and from contributions by mining companies that were actively exploring this region during the summer of 1975. Details concerning this collection are in Appendix A, for the Yukon Territory, and Appendix B, for the Northwest Territories. This collection, catalogued and cross-indexed with the aid of the MINDEP SYSTEM of the Geological Sciences Department, forms the central basis for a number of research projects including (1) a M.Sc. thesis investigation (R. Carne) of deposits in the Coal Creek Dome area (NTS: 106C-07), Y.T.; (2) a M.Sc. thesis investigation (M. McArthur) of deposits in the Rev Group area (NTS: 106A-03), N.W.T.; (3) a B.A.Sc. thesis investigation (L. Penco) of deposits in the Climax Group area (NTS: 105P-08), N.W.T.; (4) a study of fluid inclusions (by a technician) in the Goz Creek area (NTS: 106C-07), Y.T.; (5) a regional study (by a technician) of freezing and filling temperatures in sphalerite and related minerals from the collection (Appendices A and B); and (6) a regional M.Sc. thesis investigation (G. McLaren) of trace element contents in sphalerite from the collection (Appendices A and B).

Investigations of properties with small areas at an M.Sc. and B.A.Sc. level will provide details of the structural and stratigraphic environment

of the deposits. Fluid inclusion analysis will aid in understanding how the deposits were formed and provide an indication of variations that might be expected within a given deposit (data particularly relevant to regional studies).

Regional examination of fluid inclusions in sphalerite specimens from the collection (Appendices A and B) might define zonation patterns pertinent to: 1) classification of deposits, 2) exploration for deposits, 3) genesis of the deposits, and 4) definition of areas requiring further detailed studies. Work on this project can continue over a continuing period of time. It is best undertaken with the aid of a technician because the exploratory nature of the project might provide indifferent results that would be awkward for a thesis oriented study.

Regional examination of trace element content in the mineral sphalerite from specimens in the collection (Appendices A and B) might reveal information of importance to northern development. First of all, trace element data might reveal patterns significant (1) to an understanding of the metallogeny of this remote area (see Warren, H.V. and R.M. Thompson, 1945. Sphalerites from Western Canada, Econ. Geol., v.40, pp.309-335), and (2) to the guiding of future exploration activity. For example, the larger known deposits might be defined by areas of specific trace element associations and concentrations. A similar pattern in an area not yet known to contain large deposits would indicate an important area for exploration. Secondly, some trace elements, because of their potential toxicity, are significant with respect to potential pollution problems and to the value of an ore concentrate because of smelter penalties. Mercury, for example, is known to be toxic and occurs

in concentrations above 1,000 ppm in some sphalerite samples (Johansson, I.R., and D.F. Sangster, 1975. Variations in Mercury Content of Sphalerite from some Canadian Sulphide Deposits; in Geochemical Exploration 1974, eds. Elliott, I.L. and W.K. Fletcher; Elsevier).

Data from all regional studies based on the collection (Appendices A and B) will be entered into the MINDEP SYSTEM. This system provides efficient ways of displaying data by listings, and by plots on maps at any desired scale.

#### PROGRESS TO FEBRUARY 1976

Sample collection is still in progress but about 75 suites from graduate students and cooperating companies are stored and labelled at U.B.C. This collection is cross-indexed in Appendices A and B with the aid of MINDEP SYSTEM.

Studies conducted during the fall of 1975 were aimed at solving problems involved in preparation of specimens for the study of fluid-inclusions. The following outlines current procedures in specimen preparation for fluid-inclusion studies:

- 1) sample collected is slabbed (to fit on a standard glass thin-section) with a relatively vibration free oil-bath diamond saw (about a 9 inch diameter blade).
- 2) sample is ground by progressively finer grits on iron laps and glass laps.
- 3) sample is polished by hand on slowly revolving laps; tin oxide is

the final polishing medium.

- 4) sample is mounted polished side down on a glass slide with "Household Cement".
- 5) sample is cut to about 0.8 mm in thickness by a wafering diamond saw (Isomet).
- 6) sample is ground and polished, using progressively finer grits (mainly diamond pastes) to 0.3 - 0.6 mm in thickness on a slowly turning Beuhler petro-thin polisher.
- 7) sample, now polished on both sides, is removed from glass slide with chloroform and cleaned in toluene or acetone.
- 8) sample is now ready for microscopic examination.

A fluid inclusion stage and operating console (Chaixmeca Corp.), with an operating range from  $-180^{\circ}\text{C}$  to  $+600^{\circ}\text{C}$ , arrived from France in late December 1975. It was mounted on a Leitz Ortholux II binocular microscope loaned by the principal investigator. Calibration by technician, Mr. J. McLeod, M.Sc., is almost completed and several runs have been conducted on fluid inclusions in quartz crystals from the Climax property, N.W.T. (NTS: 105P-08; L. Penco, B.A.Sc. thesis). These crystals are particularly interesting because they contain needles of metallic minerals consisting of boulangerite and some galena. Preliminary data indicate filling temperatures of about  $285^{\circ}\text{C}$ .

Start-up of the fluid inclusion program, although delayed by late delivery of the stage, was aided by visits from experts in fluid-inclusions studies. These were 1) Dr. J. Touray of the Université de Nancy, France, 2) Dr. E. Roedder, U.S.G.S., Reston, Virginia, and 3) Dr. R. Morton, the University of Alberta, Edmonton. The principal investigator plans to

visit Dr. Morton's research facilities early in March 1976 to obtain standards and general instruction.

BUDGET REQUEST: 1976-1977

The following budget allows support of the following:

1. detailed studies at a M.Sc. level of two areas, one in Y.T. (Carne) and one in N.W.T. (McArthur).
2. a regional fluid inclusion study.
3. a regional trace element study.

These studies are separated in the budget presented below. Total cost of all projects is estimated to be \$9,900.

I. <u>Detailed M.Sc. Study Areas (Carne and McArthur)</u>	\$
1. Field support (borne by participating companies)	NIL
2. Field supervision by principal investigator	
a) transportation Vcr-Whse return	200
b) meals, room (partially borne by participating companies) 10 days x \$20/day	200
3. Sample storage, 100 trays at \$2.00/tray	200
4. Sample preparation, 100 sample at \$5.00/sample	500
5. Computer and related costs	300
6. Drafting, copying, etc.	400
7. Fluid Inclusion stage operation (Liquid and gaseous nitrogen, minor equipment), \$25/day, estimated for 3 days per week, for 3 mos. (25 x 3 x 4 x 3)	<u>900</u>
Subtotal	<u>2,700</u>

II.	<u>Regional Fluid Inclusion Analysis (including Goz Creek Area)</u>	\$
1.	Sample preparation (some presently prepared): 40 samples x \$5.00/sample	200
2.	Technician: 2 days/week x 6 mos. 2 4 weeks/mo. x \$80/day	3,600
3.	Fluid inclusion stage operation: 40 days x \$25/day	1,000
4.	Computer and related costs	100
5.	Drafting, copying, etc.	<u>100</u>
	Subtotal	<u>5,000</u>

III.	<u>Regional Trace Element Study of Sphalerite (G. McLaren)</u>	
1.	Technical Assistance, ½ mo. x \$1,600/mo.	800
2.	Computer and related costs	100
3.	Drafting, copying, etc.	100
4.	Cost of equipment, chemicals, etc. (partially purchased 1975-76)	<u>300</u>
	Subtotal	<u>1,300</u>

IV.	<u>Totals</u>	
	Projects I to III: \$2,700 + \$5,000 + \$1,300 =	9,900
	Contingency (10%)	<u>900</u>
		<u>\$ 9,900</u>

APPENDIX A

YUKON TERRITORY SAMPLE COLLECTION OF ZINC-LEAD  
DEPOSITS IN CARBONATE ROCKS, THE UNIVERSITY OF  
BRITISH COLUMBIA (NOS. 10001 to 10044).



MINDEP ABC FILE -- CROSS INDEX BY MINDEP ID  
COMMODITIES

July 2

ID	MAC	PROPERTY NAME	NTS	COMMODITIES
10001	001	CARNE	106/C/14/	ZN PB
10002	002	BILBC	116/E/07/	BA PB
10003	003	GIG	116/G/14/	PB ZN
10004	004	SIROTA	106/C/14/	PB ZN CU
10005	005	KIWI	116/B/10/	PB ZN
10006	006	NEWT	106/C/11/	ZN PB
10007	007	CFAPMAN	116/B/16/	PB ZN
10008	008	HCT	116/A/13/	PB ZN
10009	009	COOT	116/C/11/	PB ZN
10010	010	ECCACMIC	106/B/06/	PB ZN
10011	011	MICHELLE	116/A/13/	PB ZN
10012	012	GILLESPIE CREEK SHOWING	106/C/12/	ZN PB
10013	013	UG	116/C/16/	ZN PB
10014	014	Q.M.Y. (?)	106/C/13/	ZN
10015	015	GILLESPIE LAKE SHOWING	106/D/09/	CU
10016	016	GREMLIN	106/E/02/	CU
10017	017	PCC	106/C/14/	ZN PB
10018	018	ALE	106/C/13/	ZN PB
10019	019	GEORDIE	106/C/13/	ZN PB AG
10020	020	TART	116/B/13/	PB ZN
10021	021	MAGIC	106/E/03/	PB ZN FL BA
10022	022	WILL	106/E/07/	PB ZN CU
10023	023	DEM	116/B/12/	PB ZN
10024	024	"CCMINCO A & 6"	106/C/10/	PB ZN
10025	025	"CCMINCO B, C & 5"	106/C/10/	PB ZN
10026	026	VUG	116/A/09/	ZN PB
10027	027	"CCMINCO 7 & D"	106/C/11/	PB ZN
10028	028	"CCMINCO I"	106/C/10/	PB ZN
10029	029	TOPCRCKSKI	106/C/10/	PB ZN
10030	030	"CCMINCO 3"	106/C/05/	PB ZN
10031	031	"CCMINCO 4"	106/C/10/	PB ZN
10032	032	CLOE	106/E/02/	ZN PB
10033	033	GOZ	106/C/07/	ZN PB CD AG
10034	034	BIRKELAND	106/B/04/	ZN PB
10035	035	"CCMINCO 8"	106/C/04/	PB ZN
10036	036	"CCMINCO 9"	106/C/14/	PB ZN
10037	037	02	116/B/12/	PB ZN
10038	038	MONSTER	116/B/13/	ZN PB
10039	039		106/C/07/	ZN
10040	040	TOKU	106/E/14/	PB BA ZN CU
10041	041		106/L/04/	ZN BA PB
10042	042	PROFEIT	106/C/14/	PB ZN AG BA CU
10043	043	FISHING BRANCH	116/J/057E	ZN PB
10044	044	WART	116/J/03/W	ZN PB

## MINCEP ABC FILE -- COMMENTS

July 3

ID	DEPOSIT NAME	COMMENTS - IDENTIFICATION	COMMENTS - GEOGRAPHY
10001	CARNE	HOST: MADERY SHALES (GSC UNIT HSC) MASSIVE BEDDED AND BRECCIATED PYRITE WITH MINOR SL AT "SHALE-GUT". SPEC: 3	STAKED AS 16 EG CLAIMS BY DYNASTY EXPL. JUNE 1974. MAPPED AND SAMPLED JULY 1974.
10002	BILBO	HOST: LOWER PALEOZOIC DOLM. (GSC UNIT B ?). CKS' XTL BA WITH MINOR GA. SUGGESTIVE OF KARST-TYPE DEP. SPEC: 1	STAKED AS BILBO 1-47 (Y82695-Y82710 AND Y82801-Y82831) JUNE AND JULY 1974 BY DYNASTY EXPL. MAPPED AND SAMPLED 1974
10003	GIG	HOST: CAM-ORD DOLM. DIS GA OCCURS IN SILICIFIED BRXX FLOAT. SPEC: 1	STAKED AS GIG CLAIMS (Y82832) JULY 1974 BY DYNASTY EXPL ALLOWED TO LAPSE AFTER PROSPECTING AND CONTOUR GEOCHEM.
10004	SINGTA	HOST: HELIK DOLM. (GSC UNIT 2C) MINOR SLEGA IN TECTONIC BRXX. CP IN CONTACT WITH CCNG UNDERLYING (GSC UNIT 1) SPEC: 1 (CP)	STAKED AS SCURROUGH CLAIMS BY DYNASTY EXPL PROSP. AND SAMPLING AUG. 1974 AND JULY 1975
10005	KIWI	HOST: HELIK. DOLM (GSC UNIT 2C). FAULT CONTROL GA, SL AND SMITHSONITE IN BRXX MINERALIZATION OVER 3000 FEET. SPEC: 3	STAKED AS 8 KIWI CLAIMS (Y82919-926 AND Y90196-227) BY DYNASTY EXPL. IN JULY 1974. MAPPING TRENCHING AND GEOCHEM 1975
10006	NEWT	HOST: ORD DOLM (GSC UNIT B) SL VEINS AND TECTONIC BRXX FILLING WITH MINOR GA. SPEC: 5	STAKED AS NEWT CL. (Y95860) IN AUG-SEPT. 1974 BY DYNASTY EXPL. LIMITED PROSPECTING SEPT. 1974
10007	CHAPMAN	MINOR GA AND SL OCCUR IN A SILIC. SIDERITIC GANGUE AT UNCON. PRECAM. PHYL (GSC UNIT 1) & ORD DOLM (GSC UNIT B) SPEC: 1	STAKED AS SILIYA CL 1963. RESTAKED AS DIDLO CL. (Y82847-Y82858) BY DYNASTY EXPL. JULY 1974 MAPPED JULY 1974
10008	HOT	HOST: ORD. DOLM (GSC UNIT B). FAULT CONTROL GA AND MINOR SL., PY SEVERAL ZONES, ALL SMALL. SPEC: 2	STAKED AS 42 HOT CLAIMS (Y82879-886); Y82893-896; Y82907-918; Y97496-503 AND Y97504-513) JULY, 1974 BY DYNASTY EXPL.
10009	COOT	HOST: CAM-ORD DOLM. (GSC UNIT B) MINOR GA AND SL IN BRXX ZONE. BARITE OCCURS IN MODERATE AMOUNTS. SPEC: 1	STAKED AS COOT CLAIMS (Y82711) JUNE 1974 BY DYNASTY EXPL. AND FURTHER WORK DONE. ALLOWED TO LAPSE.
10010	ECONOMIC	HOST: L. CAM SEQUI FOR. GA& SL IN B A-CA-QZ-PYROBIT-VEN. EMPLACED IN E-STR FRAX RELATED TO NW-STRIKING FAULT SYS. SPEC: GIBSON SUITE.	

## MINCEP ABC FILE -- COMMENTS

July 4

ID	DEPOSIT NAME	COMMENTS - IDENTIFICATION	COMMENTS - GEOGRAPHY
10011	MICHELLE	HOST: CRD-SIL DCLM (GSC UNIT 8) GA & SL AS MATRIX IN BRXX IN NARROW FAULT ZONES. SPEC:1	STAKED AS 10 CLAIMS (Y82793) JULY 1 1974 BY DYNASTY EXPL. MAPPING AND GEOCHEM PROVED SHOWING SMALL. LAPSED 1975.
10012	GILLESPIE CREEK SHOWING	HOST: HADRYNIAN ? DOLM. TECT BRXX FILLING SMALL DEPOSITS LOC. AT INTERSECT OF FALLTS; SL GA MATRIX. SPEC:3	NOT STAKED
10013	UG	HOST: HELIK. DOLM (GSC UNIT 2B). SL & GA IN FAULT BRXX. SPEC:3	STAKED AS 32 UG CLAIMS BY CYPRUS-ANVIL, JUNE 1975. GEOCHEM AND MAPPING JULY, 1975.
10014	Q.M.Y. (?)	HADRYNIAN DOLM.?, SL IN TECTONIC BRXX AS MATRIX. SPEC:1	NO FURTHER INFO.
10015	GILLESPIE LAKE SHOWING	HOST: PROT. PHYL. (GSC UNIT 1). PDS & VEINS SU, MINOR CP, QZ. VEINS FROM FAULT ZONE. SPEC:1	SHOWING MINOR NOT STAKED.
10016	GREMLIN	HOST: HELIK CLASTICS (GSC UNIT HO) SD-BA-PY-LP VEINS AND MASSIVE LENSIC PY BODIES SPEC:2	STAKED AS GREMLIN 1 TO 12 (YA1144-YA1155) AUG 1975 BY CYPRUS-ANVIL MINING CORP.
10017	POO	HOST: HADRYNIAN DOLM. MINOR SL & GA. FRACT CONTROL. SPEC:1	STAKED AUG 1974 AS P00(Y95848) BY DYNASTY EXPLORATIONS LTD. ALLOWED TO LAPSE 1975.
10018	ALE	HOST: HELIK. CARB. BRXX FILLING SL, PY & GA ON STRIKE WITH FAULT CONTROL. MINER. AT GEORDIE CLMS(10019) SPEC:1	STAKED AUG 1975 AS ALE(YA1156-YA1161) BY CYPRUS-ANVIL
10019	GEORDIE	HOST: HELIKIAN? LIMS. SL, PY & MINOR GA IN SHEAR ZONE. SPEC:1	STAKED AS LAD(Y57421) MAR 1972. EM-16, MAG., GEOCHEM., GRID & TWC HOLES DRILLED 1972 & 1973. SPEC:1
10020	TART	HOST: HELIK. DOLM (GSC UNIT 2C) GA & SL OCCUR IN MATRIX OF FAULT BRECCIA. SPEC:4	STAKED AS 80 TART CLAIMS(Y90229-Y90308) NOV 1974 BY DYNASTY EXPL. DRILLED, GEOCHEM. & MAPPED 1975
10021	MAGIC	HOST: CRD. LIMS. MINOR GA & SL OCCUR WITH QZ, CA, BA & FL. STRATIFORM. SPEC:2	STAKED AS MAGIC CLAIMS(Y95836) AUG 1974 BY DYNASTY EXPL.
10022	WILL	HOST: HELIK. DOLM (GSC UNIT 5) FAULT CONTROL OF BRXX FILLING SL, GA & CP. MAIN ZONE 2000 FEET BY 20 FEET. SPEC:ROBERTS	STAKED AS 80 WILL CLAIMS JULY 1975 BY CYPRUS-ANVIL MINING CORP. MAPPING & GEOCHEM., AUG 1975

## MINDEP ABC FILE -- COMMENTS

July 5

ID	DEPOSIT NAME	COMMENTS - IDENTIFICATION	COMMENTS - GEOGRAPHY
10023	DEM	HGST: HELIK. SHAL (GSC UNIT 2) GA & HYDROZINCITE ARE DIS ALONG BEDDING PLANES & AS BRXX MATRIX. SPEC:1	STAKED AS DEM CLAIMS (Y93095) BY HUDSON BAY MINING AND SMELTING AUG 1 1974 ADJOINING GZ CLAIMS
10024	"COMINCO A & 6"	HGST:HADRY CARB. SPEC:3	NO FURTHER INFO AVAILABLE AT THIS TIME
10025	"COMINCO B, C & 5"	HGST: HADRY CARB. SPEC:6	NO FURTHER INFO AVAILAELE AT THIS TIME
10026	VUG	HGST: HELIK. DOLM (GSC UNIT 2C) SL & MINOR GA IN FAULT BRXX. 8 SHOWING GS FCUND. SPEC:	STAKED AS 40 VUG CLAIMS (Y97599-Y97638) JUNE 1975 BY CYPRUS-ANVIL. MAPPING AND SAMPLING AUG 1975
10027	"COMINCO 7 & D"	HGST:HADRY DOLM. SPEC:6	NO FURTHER INFO AT THIS TIME
10028	"COMINCO 1"	HGST:SIL-DEV CARB. SPEC:4	NO FURTHER INFO AVAILAABLE AT THIS TIME
10029	TGPCROWSKI	ENG. THRUST FAULT AT BASE POSSIBLE CHANNELWAY & SEPARATING QUARTZITE AND SLATE OF HADRY SHEEPBED FOR FROM SIL-DEV DOLM OF DELORME FOR S	STAKED AS GYR & ETC CLAIMS (Y95701) AUG-SEPT 1974 BY HARMON 1975 SYNC. MANY CLAIMS TIED ON BY OTHERS LATER
10030	"COMINCO 3"	HGST: SIL-DEV CARB. SPEC:1	NO FURTHER INFO AVAILAABLE AT THIS TIME
10031	"COMINCO 4"	HGST: LOWER CAM DOLM. SPEC:7	STAKED AS BCN CLAIMS (Y96447) AUG 1974 BY COMINCO??
10032	CLOE	HGST: SHAL (GSC UNIT H0) SL OCCURS AS BRXX FILLINGS. LEAD GEOCHEM. ANALY BUT NO GA REPORTED. SPEC:	STAKED AS 12 CLOE CLAIMS (YA1132-YA1143) JULY 1975 BY CYPRUS-ANVIL MINING CORP. LTD. PROSPECTING AUG 1975
10033	GOZ	HGST: LOWER CAM? DOLM. COLLAPSE BRZZ W VUG & FRC CONTROLLED SL GA. SURROUND DIS SL. SPEC:25	STAKED IN 1973 AS (Y69432), BARRIER REEF RES. 20 DRILL HOLES IN A & B ZONES IN 1974.
10034	BIRKELAND	HGST:HADRYNIAN DOLM. BRZZ PODS W SL GA. SPEC:11	STAKED IN 197 AS (Y96561), MCINTYRE MINES LTD.
10035	"COMINCO 8"	HGST: CAM CARB. SPEC:3	HEADWATERS DELL CREEK. NO FURTHER INFO AVAILAABLE
10036	"COMINCO 9"	HGST: HELIK DOLM. SPEC:2	NO FURTHER INFO AVAILAABLE AT THIS TIME

## MINDEP ABC FILE -- COMMENTS

July 6

ID	DEPOSIT NAME	COMMENTS - IDENTIFICATION	COMMENTS - GEOGRAPHY
10037	OZ	HCST:HELIX DOLM (GSC UNIT 2C). 11 S HOWINGS OF GA AND SL IN MATRIX OF TECTONIC BRXX SPEC:54	STAKED AS OZ CLAIMS (Y89931) BY DYN ASTY EXPL. AUG-SEPT 1974. PROSP., MAPPING, MAG, GECHEM. & DRILLING 1 975
10038	MONSTER	HCST:PROT (GSC UNIT 2) DOLM. SL & M INOR GA. BLTRYOIDAL PY. FRACT CONT RCL SOME BRXX CONTROL. SPEC:13	STAKED AUG 1974 AS OG(Y89914) BY HU DSON BAY MINING AND SMELTING CO.LT D.
10039		DRILL CORE w PY & SL BANDS. SPEC:	
10040	TUKU	HCST: LOWER CAM LIMS. FAL ZON 30M W IDE W DIS & FRC CONTROLLED GA, SL, CP, PY GANGUE BA SI. COL:12 SPECS	STAKED AS TUKU & ALI CLAIMS(Y89537) IN JULY 1974 BY AMAX
10041		HCST: LOWER CAM LIMS. CARB ARE PYRIT IC. MINOR OCR GA, SL, PY W VUGS & BRZ Z. FAL & SHR CONTROL. COL:11 SPEC RA S;5 SPEC PETE.	STAKED IN 1974 AS PETE(Y82763), TEX AS GULF SULFUR; CENO(Y89448) & TWI CE(Y89433), ACRANDA; RAS & TUS(Y895 63), AMAX
10042	PROFEIT	SPEC,DOC 45,MAIN SHOWING;7 SPEC,DO C 81;4 SPEC,DOC 37;5 SPEC,DOC 142; 2 SPEC,DOC 84;6 SPEC,DOC 84;10 SPEC , LCC?	STAKED AS DOC(Y95359) AUG 1974 BY A MAX
10043	FISHING BRANCH	AS REPLACEMENT IN FOSSILIFEROUS DOL M AND IN VEINS UNDER GOSSAGE FOR.; CF PROBABLE SILURIAN AGE. SPEC:	MINOR TRENCHING, SOIL SURVEY AND MA PPING 1974
10044	HART	VEIN SP AND GA HOSTED BY CYCLIC DOL M. OF CAMBRO-ORD? MINOR BRXX PODS SPEC:	

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M: DEP ABC FILE -- CROSS INDEX BY PROPERTY NAME

PROPERTY NAME	NTS	COMMODITIES	ID	MAC	BC#
	106/C/077	ZN	10039	035	
	106/L/04/	ZN BA PB	10041	041	
"CCMINCO A & 6"	106/C/10/	PB ZN	10024	024	
"CCMINCO E, C & 5"	106/C/10/	PB ZN	10025	025	
"CCMINCO 1"	106/C/10/	PB ZN	10028	028	
"CCMINCO 3"	106/D/05/	PB ZN	10030	030	
"CCMINCO 4"	106/C/10/	PB ZN	10031	031	
"CCMINCO 7 & D"	106/C/11/	PB ZN	10027	027	
"CCMINCO 8"	106/C/04/	PB ZN	10035	035	
"CCMINCO 9"	106/C/14/	PB ZN	10036	036	
ALE	106/C/13/	ZN PB	10018	018	
BILBO	116/G/07/	BA BA	10002	002	
BIRKELAND	106/B/04/	ZN PB	10034	034	
CARNE	106/C/14/	ZN PB	10001	001	
CHAPMAN	116/B/16/	PB ZN	10007	007	
CLOE	106/E/02/	ZN PB	10032	032	
COCT	116/G/11/	PB ZN	10009	009	
DEM	116/B/12/	PB ZN	10023	023	
ECCOMIC	106/B/06/	PB ZN	10010	010	
FISHING BRANCH	116/J/05/E	ZN PB	10043	043	
GECROIE	106/C/13/	ZN PB AG	10019	019	
GIG	116/G/14/	PB ZN	10003	003	
GILLESPIE CREEK SHOWING	106/C/12/	ZN PB	10012	012	
GILLESPIE LAKE SHOWING	106/D/09/	CU	10015	015	
GOZ	106/C/077	ZN PB CU AG	10033	033	
GREMLIN	106/E/02/	CU	10016	016	
HOT	116/A/13/	PB ZN	10008	008	
KIWI	116/B/10/	PB ZN	10005	005	
MAGIC	106/E/03/	PB ZN FL BA	10021	021	
MICHELLE	116/A/13/	PB ZN	10011	011	
MONSTER	116/B/13/	ZN PB	10038	038	
NEWT	106/C/11/	ZN PB	10006	006	
GZ	116/B/12/	PB ZN	10037	037	
POO	106/C/14/	ZN PB	10017	017	
PROFEIT	106/C/14/	PB ZN AG BA CU	10042	042	
Q.M.Y. (?)	106/C/13/	ZN	10014	014	
SIROTA	106/J/14/	PB ZN CU	10004	004	
IART	116/B/13/	PB ZN	10020	020	
TOPCROWSKI	106/C/10/	PB ZN	10029	029	
TOKU	106/E/14/	PB BA ZN CU	10040	040	
UG	116/C/16/	ZN PB	10013	013	
VUG	116/A/09/	ZN PB	10026	026	
WART	116/J/03/W	ZN PB	10044	044	
WILL	106/D/07/	PB ZN CU	10022	022	

R. L. CRANE LIMITED

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MINDEP ABC FILE -- CROSS INDEX BY NTS MAP SHEET -- YUKON

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NTS	MAC	ID	BC#	PROPERTY NAME	COMMODITIES	MINING DIV.
106/B/04/	034	10034		BIRKELAND	ZN PB	MAYO
106/B/06/	010	10010		ECONOMIC	PB ZN	MAYO
106/C/04/	035	10035		"COMINCO 8"	PB ZN	MAYO
106/C/07/	033	10033		GOZ	ZN PB CD AG	MAYO
106/C/07/	039	10039			ZN	MAYO
106/C/10/	024	10024		"COMINCO A & 6"	PB ZN	MAYO
106/C/10/	025	10025		"COMINCO B, C & 5"	PB ZN	MAYO
106/C/10/	028	10028		"COMINCO 1"	PB ZN	MAYO
106/C/10/	029	10029		TOPOROWSKI	PB ZN	MAYO
106/C/10/	031	10031		"COMINCO 4"	PB ZN	MAYO
106/C/11/	027	10027		"COMINCO 7 & D"	PB ZN	MAYO
106/C/12/	012	10012		GILLESPIE CREEK SHOWING	ZN PB	MAYO
106/C/13/	014	10014		Q.M.Y. (?)	ZN	MAYO
106/C/13/	018	10018		ALE	ZN PB	MAYO
106/C/13/	019	10019		GEORDIE	ZN PB AG	MAYO
106/C/14/	001	10001		CARNE	ZN PB	MAYO
106/C/14/	017	10017		PDO	ZN PB	MAYO
106/C/14/	036	10036		"COMINCO 9"	PB ZN	MAYO
106/C/14/	042	10042		PROFEIT	PB ZN AG BA CU	MAYO
106/D/05/	030	10030		"COMINCO 3"	PB ZN	MAYO
106/D/07/	022	10022		WILL	PB ZN CU	MAYO
106/D/09/	015	10015		GILLESPIE LAKE SHOWING	CU	MAYO
106/D/11/	006	10006		NEWT	ZN PB	MAYO
106/D/14/	004	10004		SIHOTA	PB ZN CU	MAYO
106/E/02/	016	10016		GREMLIN	CU	MAYO
106/E/02/	032	10032		CLOE	ZN PB	MAYO
106/E/03/	021	10021		MAGIC	PB ZN FL BA	MAYO
106/E/14/	040	10040		TUKU	PB BA ZN CU	DAWSON
106/L/04/	041	10041			ZN BA PB	DAWSON
116/A/09/	026	10026		VUG	ZN PB	MAYO
116/A/13/	008	10008		HOT	PB ZN	DAWSON
116/A/13/	011	10011		MICHELLE	PB ZN	DAWSON
116/B/10/	005	10005		KIWI	PB ZN	DAWSON
116/B/12/	023	10023		DEM	PB ZN	DAWSON
116/B/12/	037	10037		OZ	PB ZN	DAWSON
116/B/13/	020	10020		TART	PB ZN	DAWSON
116/B/13/	038	10038		MONSTER	ZN PB	DAWSON
116/B/16/	007	10007		CHAPMAN	PB ZN	DAWSON
116/C/16/	013	10013		UG	ZN PB	DAWSON
116/G/07/	002	10002		BILBO	BA GA	DAWSON
116/G/11/	009	10009		COOT	PB ZN	DAWSON
116/G/14/	003	10003		GIG	PB ZN	DAWSON
116/J/03/W	040	10044		WART	ZN PB	DAWSON
116/J/05/E	043	10043		FISHING BRANCH	ZN PB	DAWSON

S. L. CHART LIMITED

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106/B/04/ 10034	034	BIRKELAND	001A -/1975/6/N.C.M.I. 106B, NO.24/-
106/B/06/ 10010	010 ECOM (Y84926,Y89007)	ECONOMIC	001A NCM1/1972/6/106B-06, NO. 13/- 002A M.I.R./1974/1/-/- 003A GIBSON,GORDON/1975/5/BSC. THESIS/ UBC
106/C/04/ 10035	035	*COMINCO 8*	
106/C/07/ 10033	033	GOZ	001A -/1972/3/N.C.M.I. 106C, NO.20/- 002A -/1973/1/BARRIER REEF RES.LTD.RPT.TO SHAREHOLDERS, 1973/- 003A -/1975/1/BARRIER REEF RES.LTD.ANNUAL RPT.7- 004A -/1973,PP 23-24/1/-/M.I.R. 005A -/1974/1/-/E.R.OPEN FILE - VANCOUVER STOCK EXCHANGE 006A -/1975,P 240/1/-/GSC? P 75-1A 007A BERT REEVE/1975/3/-/PERS.COMM.
106/C/07/ 10039	039		
106/C/10/ 10024	024	*COMINCO A & 6*	
106/C/10/ 10025	025	*COMINCO B, C & 5*	
106/C/10/ 10028	028 BAR GROUP	*COMINCO 1*	
106/C/10/ 10029	029 *COMINCO 2*	TOPOROWSKI	001A -/1972/3/N.C.M.I. 106C-10, NO.27/-
106/C/10/ 10031	031 BOB??	*COMINCO 4*	001A -/1972/3/N.C.M.I. 106C-10, NO.50??/-
106/C/11/ 10027	027 CORN ??	*COMINCO 7 & D*	001A -/1972/3/N.C.M.I. 106C-11, NO.19??/-
106/C/12/ 10012	012	GILLESPIE CREEK SHOWING	001A DEAN,P./1975/3/REEF PROJECT/CYPRUS-ANVIL
106/C/13/ 10014	014	Q.M.Y. (?)	001A NO REFERENCES
106/C/13/ 10018	018	ALE	001A DEAN,P./1975/3/1975 EXPL.RPT., ALE GRP./CYPRUS-ANVIL
106/C/13/ 10019	019 LAD & ED, LAD	GEORDIE	001A -/1972/6/N.C.M.I. 106C-13, NO.4/-

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106/C/14/ 10001	001 EG	CARNE	001A N.C.M.I./1972/6/106C-14, NO 41/- 002A DEAN, P. AND CARNE, R./1974/3/REPORT ON THE EG GROUP/DYNASTY EXPLORAT 002B IONS
106/C/14/ 10017	017	PGO	001A DEAN/1974/3/REEF PROJECT REPORT/DYNASTY 002A -/1972/6/N.C.M.I. 106C-14, NO.40/-
106/C/14/ 10036	036	"COMINCO 9"	
106/C/14/ 10042	042 DOC	PROFEIT	001A -/1972/6/N.C.M.I. 106C, NO.39/-
106/D/05/ 10030	030 NECO	"COMINCO 3"	
106/D/07/ 10022	022	WILL	001A ROBERTS, W. & DEAN, P./1975/3/REPORT ON WILL GROUP, 1975/CYPRUS-ANVIL
106/D/09/ 10015	015	GILLESPIE LAKE SHOWING	001A DEAN, P./1975/3/REEF PROSPECT REPORT/CYPRUS-ANVIL
106/D/11/ 10006	006	NEWT	001A NCMI/1972/6/106D-11, NO 67/- 002A DEAN, P./1974/3/REEF PROSPECT REPORT, 1974/DYNASTY EXPL.
106/D/14/ 10004	004 SOURDOUGH	SIHOTA	001A NCMI/1972/6/106D-14, NO. 68/- 002A DEAN, P./1974/3/REEF PROJECT REPORT/DYNASTY EXPL.
106/E/02/ 10016	016	GREMLIN	001A DEAN, P./1975/3/EXPLOR. REPORT GREMLIN GRP./CYPRUS-ANVIL
106/E/02/ 10032	032	CLOE	001A DEAN, P./1975/3/REPORT ON THE CLOE GROUP, 1975/CYPRUS-ANVIL
106/E/03/ 10021	021	MAGIC	001A -/1972/6/N.C.M.I. 106E-03 NW 45/- 002A DEAN, P./1974/3/REEF PROJECT REPORT, 1974/DYNASTY EXPL.
106/E/14/ 10040	040 ALI. DOLL SOUTH PROJECT	TUKU	001A -/1972/6/N.C.M.I. NW 51/-
106/L/04/ 10041	041 PETE, CENO, RAS, TUS		001A -/1972/6/N.C.M.I. NW : /-
116/A/09/ 10026	026	VUG	001A DEAN, P. & ROBERTS, W./1975/3/REPORT ON THE VUG GROUP/CYPRUS-ANVIL
116/A/13/ 10008	008	HOT	001A NCMI/1972/6/116-A-13, NO 15/- 002A DEAN, P. AND CARNE, R./1974/3/REPORT ON THE HOT CLAIMS 1974/DYNASTY EXPL 002B 003A MCLENNAN, L./1975/3/REPORT ON THE HOT CLAIMS 1975/CYPRUS-ANVIL
116/A/13/ 10011	011 ID	MICHELLE	001A NCMI/1972/6/116A-13, NO. 16/- 002A DEAN, P./1974/3/REPORT ON THE ID CLAIMS/DYNASTY EXPL.

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116/8/10/ 10005	005	KIWI	001A NCMI/1972/6/116-B-10, NO. 87/- 002A DEAN, P. & CARNE, R./1974/3/REPORT ON THE KIWI GROUP 1974/DYNASTY EXPL. 003A MCLENNAN, L./1975/3/REPORT ON THE KIWI GROUP 1975/CYPRUS-ANVIL
116/8/12/ 10023	023	DEM	001A -/1972/3/N.C.M.I. 1168-12, NO.85/-
116/8/12/ 10037	037	OZ	001A -/1972/6/N.C.M.I. 1168-12, NO.85/- 002A DEAN, P./1974/3/REPORT ON THE OZ GROUP/DYNASTY EXPLORATION 003A DICKINSON, R./1975/3/REPORT ON THE OZ GROUP/CYPRUS-ANVIL 004A DEAN, P./1975/3/REPORT ON THE OZ GROUP/CYPRUS-ANVIL 005A DEAN, P./1975/3/DIAMOND DRILLING REPORT ON THE OZ CLAIMS/CYPRUS-ANVIL 006A ROBERTS, W./1975/3/MAP OF THE COAL CREEK DOME/CYPRUS-ANVIL 007A CARNE/1975/3/GEOLOGY 428 REPORT/UBC UNDERGRAD. RPT.
116/8/13/ 10020	020	TART	001A -/1972/6/N.C.M.I. 1168-13 NO.84/- 002A DEAN, P./1974/3/REEF PROJECT REPORT/DYNASTY EXPL. 003A DEAN, P./1975/3/DIAMOND DRILLING REPORT, TART GRP./CYPRUS-ANVIL 004A DICKINSON, R./1975/3/GEOL.REPORT FOR TART GRP./CYPRUS-ANVIL
116/8/13/ 10038	038 OG	MONSTER	001A -/1972/6/N.C.M.I. 1168-13, NO.83/-
116/8/16/ 10007	007 DIDLO	CHAPMAN	001A NCMI/1972/6/116B-16, NO 63/- 002A DEAN, P.M/1975/3/REPORT ON THE DIDLO GROUP/DYNASTY EXPL.
116/C/16/ 10013	013	UG	001A DEAN, P./1976/3/REPORT ON THE UG GROUP, 1975/CYPRUS-ANVIL
116/G/07/ 10002	002	BILBO	001A DEAN, P.M. & CARNE, R.C./1975/3/REPORT, BILBO GROUP/DYNASTY EXPL. 002A NCMI/1972/6/116G-C7, NW58/-
116/G/11/ 10009	009	COOT	001A NCMI/1972/6/116G-11, NO. NW 60/- 002A DEAN, P./1974/3/REEF PROJECT REPORT/DYNASTY EXPL.
116/G/14/ 10003	003	GIG	001A NCMI/1972/6/116G-14, NO.NW 61/- 002A DEAN, P./1974/3/REEF PROJECT REPORT 1974/DYNASTY EXPL.
116/J/03/W 10044		WART	001A NCMI/1972/6/116J-03, NO NW 64/-
116/J/05/E 10043		FISHING BRANCH ROX	001A NCMI/1972/6/116J-05, NO NW 11/-

## MINDEP ABC FILE --- CROSS INDEX BY COMMODITY FOR ZN

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COMMODITIES	NTS	PROPERTY NAME	ID	MAC	BC#	LAT	LONG	ELEV
ZN PB	106/B/04/	BIRKELAND	10034	034		64.15	131.52	
PB ZN	106/B/06/	ECONOMIC	10010	010		64.33	131.22	
PB ZN	106/C/04/	"COMINCO 8"	10035	035		66.33	135.12	
ZN PB CD AG	106/C/07/	GOZ	10033	033		64.43	132.55	
ZN	106/C/07/		10039	039		64.40	132.82	1000
PB ZN	106/C/10/	"COMINCO A & 6"	10024	024		64.75	132.95	
PB ZN	106/C/10/	"COMINCO B, C & 5"	10025	025		64.70	132.95	
PB ZN	106/C/10/	"COMINCO 1"	10028	028		64.58	132.58	
PB ZN	106/C/10/	TOPOROWSKI	10029	029		64.70	132.65	
PB ZN	106/C/10/	"COMINCO 4"	10031	031		64.58	132.98	
PB ZN	106/C/11/	"COMINCO 7 & D"	10027	027		64.62	133.25	
ZN PB	106/C/12/	GILLESPIE CREEK SHOWING	10012	012		64.70	133.83	1670
ZN	106/C/13/	Q.M.Y. (?)	10014	014		64.77	133.75	1670
ZN PB	106/C/13/	ALE	10018	018		64.87	133.75	0800
ZN PE AG	106/C/13/	GEORJIE	10019	019		64.85	133.68	0830
ZN PB	106/C/14/	CARNE	10001	001		64.85	133.01	
ZN PB	106/C/14/	POD	10017	017		65.83	133.15	1300
PB ZN	106/C/14/	"COMINCO 9"	10036	036		64.97	133.20	
PB ZN AG BA CU	106/C/14/	PROFEIT	10042	042		64.82	133.55	
PB ZN	106/D/05/	"COMINCO 3"	10030	030		64.50	133.83	
PB ZN CU	106/D/07/	WILL	10022	022		64.40	134.70	
ZN PB	10 D/11/	NEWT	10006	006		64.53	135.47	
PB ZN CU	106/D/14/	SIHOTA	10004	004		64.83	135.01	
ZN PB	106/E/02/	CLOE	10032	032		65.20	134.70	
PB ZN FL BA	106/E/03/	MAGIC	10021	021		65.00	135.07	
PB BA ZN CU	106/E/14/	TUKU	10040	040		65.58	135.42	0600
ZN BA PB	106/L/04/		10041	041		66.13	135.90	0500
ZN PB	116/A/05/	VUG	10026	026		64.57	136.26	
PB ZN	116/A/13/	HOT	10008	008		64.98	137.77	
PB ZN	116/A/13/	MICHELLE	10011	011		64.97	137.68	
PB ZN	116/B/10/	KIWI	10005	005		64.75	138.75	
PB ZN	116/B/12/	DEM	10023	023		64.80	139.75	
PB ZN	116/B/12/	OZ	10037	037		64.75	139.75	
PB ZN	116/B/13/	TART	10020	020		64.83	139.83	
ZN PB	116/B/13/	MONSTER	10038	038		64.82	139.97	
PB ZN	116/B/16/	CHAPMAN	10007	007		65.00	138.28	
ZN PB	116/C/16/	UG	10013	013		64.87	140.03	
PB ZN	116/G/11/	COOT	10009	009		65.50	139.22	
PB ZN	116/G/14/	GIG	10003	003		65.80	139.45	
ZN PB	116/J/03/W	WART	10044			66.07	139.47	
ZN PB	116/J/05/E	FISHING BRANCH	10043			66.33	139.67	

MINDEP ABC FILE --- CROSS INDEX BY COMMODITY FOR PB

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COMMODITIES	NTS	PROPERTY NAME	ID	MAC	BC#	LAT	LONG	ELEV
ZN PB	1067B/047	BIRRELAND	10034	034		64.15	131.92	
PB ZN	1067B/067	ECONOMIC	10010	010		64.33	131.22	
PB ZN	1067C/047	"COMINCC 8"	10035	035		66.33	135.12	
ZN PB CD AG	1067C/077	GOZ	10033	033		64.43	132.55	
PB ZN	1067C/107	"COMINCC A & 6"	10024	024		64.75	132.95	
PB ZN	1067C/107	"COMINCC B, C & 5"	10025	025		64.70	132.95	
PB ZN	1067C/107	"COMINCC 1"	10028	028		64.58	132.58	
PB ZN	1067C/107	TOPOROWSKI	10029	029		64.70	132.65	
PB ZN	1067C/107	"COMINCC 4"	10031	031		64.58	132.98	
PB ZN	1067C/117	"COMINCC 7 & D"	10027	027		64.62	133.25	
ZN PB	1067C/127	GILLESPIE CREEK SHOWING	10012	012		64.70	133.83	1676
ZN PE	1067C/137	ALE	10018	018		64.87	133.75	0800
ZN PE AG	1067C/137	GEORDIE	10019	019		64.85	133.68	0830
ZN PE	1067C/147	CARNE	10001	001		64.85	133.01	
ZN PB	1067C/147	POO	10017	017		65.83	133.15	1300
PB ZN	1067C/147	"COMINCC 9"	10036	036		64.97	133.20	
PB ZN AG BA CU	1067C/147	PROFEIT	10042	042		64.82	133.55	
PB ZN	1067D/057	"COMINCC 3"	10030	030		64.50	132.83	
PB ZN CU	1067D/077	WILL	10022	022		64.40	134.70	
ZN PB	1067D/117	NEWT	10006	006		64.53	135.47	
PB ZN CU	1067D/147	SIHOTA	10004	004		64.83	135.01	
ZN PB	1067E/027	CLOE	10032	032		65.20	134.70	
PB ZN FL BA	1067E/037	MAGIC	10021	021		65.00	135.07	
PB BA ZN CU	1067E/147	TUKU	10040	040		65.58	135.42	0600
ZN BA PB	1067L/047		10041	041		66.13	135.90	0500
ZN PB	1167A/097	VUG	10026	026		64.57	136.28	
PB ZN	1167A/137	HGT	10008	008		64.98	137.77	
PB ZN	1167A/137	MICHELLE	10011	011		64.97	137.68	
PB ZN	1167B/107	KIWI	10005	005		64.75	138.75	
PB ZN	1167B/127	DEM	10023	023		64.80	139.75	
PB ZN	1167B/127	OZ	10037	037		64.75	139.75	
PB ZN	1167B/137	TART	10020	020		64.83	139.83	
ZN PB	1167B/137	MONSTER	10038	038		64.82	139.97	
PB ZN	1167B/167	CHAPMAN	10007	007		65.00	138.28	
ZN PB	1167C/167	UG	10013	013		64.87	140.03	
BA PB	1167G/077	BILBO	10002	002		65.25	138.67	
PB ZN	1167G/117	COOT	10009	009		65.50	139.22	
PB ZN	1167G/147	GIG	10003	003		65.80	139.45	
ZN PE	1167J/037	WART	10044			66.07	139.47	
ZN PB	1167J/057E	FISHING BRANCH	10043			66.33	139.67	













MINDEP ABC FILE -- CROSS INDEX BY MINDEP ID

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ID	MAC	PROPERTY NAME	NTS	COMMODITIES
20001	001	TOAD	106/A/07/	PB ZN CU
20002	002	ARC	106/B/12/	ZN PB
20003	003	PALM	106/A/05/	ZN PB
20004	004	JUDE	106/A/05/	ZN PB
20005	005	SISCOE	106/B/11/	ZN PB
20006	006	PAM	105/P/11/	PB ZN
20007	007	GODLIN	106/A/01/	CU AG ZN PB
20008	008	BACKHONE	105/P/14/	ZN PB BA
20009	009	WEATHER	105/P/14/	ZN PB
20010	010	EMILY	105/P/11/	PB ZN
20011	011	LAN	105/P/14/	PB ZN
20012	012	TRITYA	106/A/03/	ZN PB AG
20013	013	ESSAU	106/B/15/	ZN
20014	014	JCINT	106/B/15/	PB ZN
20015	015	JIP	106/B/08/	ZN PB
20016	016	TAP	105/P/14/	ZN PB
20017	017	TAP	105/P/14/	ZN
20018	018	OKANAGAN	106/A/12/	ZN PB
20019	019	GILDERSLEEVE	106/C/16/	ZN PB
20020	020	MGGUL	106/C/16/	ZN PB
20021	021	FC CLAIMS	106/B/08/	ZN BA PB
20022	022	GUILD	106/B/09/	ZN PB AG CU
20023	023	REV	106/A/03/	ZN PB
20024	024	GAYNA RIVER	106/B/15/	ZN CD PB
20025	025	TEGART	106/B/09/	ZN PB
20026	026		106/A/03/	ZN PB
20027	027	CLIMAX	105/P/08/	ZN PB
20028	028	VIC	106/A/07/	PB

## MINCEP ABC FILE -- COMMENTS

NWTY 3

ID	DEPOSIT NAME	COMMENTS - IDENTIFICATION	COMMENTS - GEOGRAPHY
20001	TOAD	HOST: SD DELCROME DOLM. DISSEM AND FR AX. SPEC:	
20002	ARC	SL & GA IN BRXX DOLM AT TOP L CAM S EKWI FOR. SPEC:	STAKED AS 122 ARC CLAIMS IN OCT 1974
20003	PALM	HOST: L CAM SEKWI DOLM. SPEC:	
20004	JUDE	HOST: ORC-SIL MT. KINDLE DOLM. SPEC:	
20005	SISCOE	HOST: DEV LMST-LANDRY?, FRACTURE CO NTRCL, ASSOC. FLUORITE. SPEC:	2 WINKIE HOLES 1975
20006	PAM	HOST: SEKWI DOLM, DISSEM GA & SL. D OLM IS DRUMSY. SPEC:	STAKED AS PAM(A75701) IN AUG. 73 BY WELCOME NGRTH.
20007	GODLIN	HOST: HELIKIAN DOLM, LITTLE DAL FM . SPEC:	TRENCHING + 2 DRILL HOLES 1974
20008	BACKBONE	HOST: DEV LANDRY FOR SMITHSONITE AND GA BRXX ZONE NEAR THRUST. 4 SHOWINGS AVG. 20 FT IN WIDTH. DRY BONE ORE. SPEC:	TRENCHING AND 4 DDH 1974 BY MALABAR
20009	WEATHER	HOST: DEV SOMBRE AND ARNICA DOLT. 1 N FRAX AND BRXX ZONES. SL DISTINCTIVE RED OR MORE COMMONLY A PALE VIT GREEN. SPEC:	TRENCHING 1973 BY CONWEST. 3 DDH 1974 BY AMAX.
20010	EMILY	GA AND SMITHSONITE, ZONES UP TO 400 FT LONG AND 60 FT WIDE. BEST SHOWINGS 60 FT. BELOW ORTHOQUATZITE MARKER HORIZON SPEC:	2 DDHS BY GECMONT 1974
20011	LAN	HOST: L CAM SEKWI FOR. MASSIVE GA V . UP TO 100FT LONG AND UP TO 10 IN WIDE. SPEC:	LEN AND DICK CLS OPTIONED TO AMAX IN 1974.
20012	TWITYA	-DOLM REEFOLD. MIN IN X-CUTTING FRAX IN MATRIX OF BRECCIA, AS DIS. & REPLACED FOS. SPEC:	SFCE SAMPLING AND 14 SHORT HOLES 1973. 4 LONG HOLES 1974 BY COMINCO
20013	ESSAU	HOST: DEV HUME FOR RED SL DISSEM AND VEIN. RED SL WITH MINOR GA FILLS VUGS IN DOLM-LIMS. SHOWS AV. 30 FT. THICK. SPEC:	
20014	JOINT	HOST: DEV HUME FOR. VEINS OF GA, SMITHSONITE ASSOC. WITH CHERTY HORIZONS. NEAR A THRUST FLT. SPEC:	

## MINCEP ABC FILE -- COMMENTS

NW 4

ID	DEPOSIT NAME	COMMENTS - IDENTIFICATION	COMMENTS - GEOGRAPHY
20015	JIM	HOST: DEV ? DOLM. PALE GREEN SL WIT H MINOR GA AS VEINLETS IN HIGHLY F RC. DCLM. THREE SHCWS AVG. 20 FT TH ICK. SPEC:	
20016	TAP	HOST: ORD SHAL SUNBLOOD FOR VERY PY RITIC. FLOAT NO G/C. MIN IN DDH'S SPEC:	5 SHORT DDH BY AMAX 1974 (227 FT)
20017	TAP	HOST: ORD SUNBLOOD SHAL. FLOAT. PYR ITIC SYNGENETIC SLUMP BRXX. MIN IN DDH'S SPEC:	5 DDH (1600 FT), EM, GRID, GEOCHEM BY DYNASTY 1973
20018	OKANAGAN	HOST: DEV HUME FM. FRACTURES GA, SL , RELATED TO THRUST FAULT. SL AND GA IN VEINLETS UP TO 1.5 FT. WIDE I N MATRIX OF DOLM-BRXX. SPEC:	
20019	GILDERSLEEVE	HOST: L CAM SEKWI FOR DOLM. SYNGENE TIC? SL WITH MINOR GA IN SLUMP BRX X. BEST ZONE 300 FT. X 100FT X SPEC	3 DDH'S 1974. CONTINUOUS WITH N.C.M .1. 106C-16, NOS. 59 AND 5. EXTEND S TO YULY.
20020	MOGUL	HOST: L CAM SEKWI: MASSIVE TO DISSE M. SL. POSSIBLY RELATED TO THRUST FAULT. SPEC:	3 DDHS 1974
20021	FC CLAIMS	HOST: SIL AND DEV CARB. (COL) (GSC UNIT SOC) LIGHT BROWN SL, MINOR GA WITH CR XTL BA AS MATRIX IN SOLUTI ON. BRXX. SPEC:1	STAKED AS 4 FC CLAIMS (A73068-7300 9) BY DYNASTY EXPL. JULY 1974. ALS O 280 RED CLAIMS (A56601) SER. M AUG 1974
20022	GUILD	RLYING ORD-DEV CARB. DISCCN. LENGTH OF 2500 FT., AVG WIDTH 22 FT., 12 .6 % COMBINED. SPEC:	
20023	REV	HOST: ORD SIL MT KINDLE DCLM. SL AS VEIN DISSEM. ASSOC WITH FAULT. SP EC:	11 SHORT X-RAY HULLS; SURFACE SAMPL ING
20024	GAYNA RIVER	HOST: HELIKIAN H5	RX.SL:GA=20:1.GANGUE 50% CA,50% DO .NEAR LIMS-SHAL FACIES CHANGE.SOME REPLAC.SHALLCw H2O MARINE.MCST MIN NEAR LIMS/DOLM INTERFACE IN CCLLAP
20025	TEGART	G SL IN 7 DIFFERENT MIN HOR OVER A THICKNESS OF 500FT.ZN TEND TO BE CON LOWER CN SECTN THAN PB. SPEC:	TWO LONG DDH'S 1975
20026		HOST: ORD-SIL MT KINDLE FOR. SPEC:	



PROPERTY NAME	MINDEP ABC FILE -- CROSS INDEX BY PROPERTY NAME		LO	MAC	BC#
	NTS	COMMODITIES			
ARC	106/A/03/	ZN PB	20026	026	
BACKBONE	106/B/12/	ZN PB	20002	002	
CLIMAX	105/P/14/	ZN PB BA	20008	008	
EMILY	105/P/11/	PB ZN	20027	027	
ESSAU	106/B/15/	ZN	20010	010	
FC CLAIMS	106/B/08/	ZN BA PB	20013	013	
GAYNA RIVER	106/B/15/	ZN CO PB	20021	021	
GILDERSLEEVE	106/C/10/	ZN PB	20024	024	
GODWIN	106/A/01/	CU AG ZN PB	20019	019	
GUILD	106/B/09/	ZN PB AG CU	20007	007	
JIM	106/B/08/	ZN PB	20022	022	
JCINT	106/B/15/	PB ZN	20015	015	
JUDE	106/A/05/	ZN PB	20014	014	
LAN	105/P/14/	PB ZN	20004	004	
MCGILL	106/C/16/	ZN PB	20011	011	
OKANAGAN	106/A/12/	ZN PB	20020	020	
PALM	106/A/05/	ZN PB	20018	018	
PAH	105/P/11/	PB ZN	20003	003	
REV	106/A/03/	ZN PB	20006	006	
SISCOE	106/B/01/	ZN PB	20023	023	
TAP	105/P/14/	ZN PB	20005	005	
TAP	105/P/14/	ZN	20016	016	
TEGART	106/B/05/	ZN PB	20017	017	
TODD	106/A/07/	PB ZN CU	20025	025	
TRITIA	106/A/03/	ZN PB AG	20001	001	
VIC	106/A/07/	PB	20012	012	
WEATHER	105/P/14/	ZN PB	20028	028	
			20009	009	

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MINDEP ABC FILE -- CROSS INDEX BY NTS MAP SHEET -- NWT

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NTS	MAC	ID	BC#	PROPERTY NAME	COMMODITIES	MINING DIV.
105/P/08/	027	20027		CLIMAX	ZN PB	NANANII
105/P/11/	096	20006		PAM	PB ZN	
105/P/11/	010	20010		EMILY	PB ZN	MACKENZIE
105/P/14/	008	20008		BACKBONE	ZN PB BA	MACKENZIE
105/P/14/	009	20009		WEATHER	ZN PB	MACKENZIE
105/P/14/	011	20011		LAN	PB ZN	
105/P/14/	016	20016		TAP	ZN PB	MACKENZIE
105/P/14/	017	20017		TAP	ZN	MACKENZIE
106/A/01/	097	20097		GUDLIN	CU AG ZN PB	
106/A/03/	012	20012		THITYA	ZN PB AG	MACKENZIE
106/A/03/	023	20023		REV	ZN PB	MACKENZIE
106/A/03/	026	20026			ZN PB	MACKENZIE
106/A/05/	003	20003		PALM	ZN PB	MACKENZIE
106/A/05/	004	20004		JUDE	ZN PB	MACKENZIE
106/A/07/	001	20001		TOAD	PB ZN CU	MACKENZIE
106/A/07/	028	20028		VIC	PB	MACKENZIE
106/A/12/	018	20018		OKANAGAN	ZN PB	MACKENZIE
106/B/01/	005	20005		SISCOE	ZN PB	MACKENZIE
106/B/08/	015	20015		JIM	ZN PB	MACKENZIE
106/B/08/	021	20021		FC CLAIMS	ZN BA PB	MACKENZIE
106/B/09/	022	20022		GUILD	ZN PB AG CU	MACKENZIE
106/B/09/	025	20025		TEGART	ZN PB	MACKENZIE
106/B/12/	002	20002		ARC	ZN PB	MACKENZIE
106/B/15/	013	20013		ESSAU	ZN	MACKENZIE
106/B/15/	014	20014		JOINT	PB ZN	MACKENZIE
106/B/15/	024	20024		GAYNA RIVER	ZN CD PB	MACKENZIE
106/C/16/	019	20019		GILDERSLEEVE	ZN PB	MACKENZIE
106/C/16/	020	20020		MOGUL	ZN PB	MACKENZIE

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MINDEP ABC FILE --- REFERENCES FOR NWT

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NTS MAC BC# PROPERTY NAME

REFERENCES

MINID ALTERNATE NAME(S)

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105/P/08/	027	CLIMAX	001A -/1972/6/N.C.M.T. 105P-08, NO.297-
20027	DAR, SEKWI	BROOK	002A PENCO, L./1976/5/-/UBC BSC THESIS
105/P/11/	006	PAM	001A NCHI/1972/6/105P-11, NO.257-
20006	PAM		002A MIR/1973/6/NWT/-
105/P/11/	010	EMILY	001A NCHI/1972/6/105P-11, NO 197-
20010	ICE-EMILY		002A -/1975,P 239/1/-/GSC PAPER 75-1A
105/P/14/	008	BACKBONE	001A NCHI/1972/6/105P-14, NO.87-
20008	ART-EKWI		002A MIR/1973/6/NWT/-
			003A CAMPBELL/FFB.1974/1/E.R./MALABAR PROSPECTUS
			004A -/1975,P 240/1/-/GSC PAPER 75-1A
			005A GEORGE CROSS/SEPT, 1974/1/-/GCNL
105/P/14/	009	WEATHER	001A NCHI/1972/6/105P-14, NO. 107-
20009	RAIN-SNOW		002A MIR/1973/6/NWT/-
			003A -/1975,P 240/1/-/GSC PAPER 75-1A
105/P/14/	011	LAN	001A NCHI/1972/6/105P-14, NO 8/-
20011	DIC, YUK		002A MIR/1973/6/NWT/-
105/P/14/	016	TAP	001A NCHI/1972/6/105P-14, NO 21/-
20016	KEG, GLUG, RAY, SUN, WET, DRY, KAR		
105/P/14/	017	TAP	001A NCHI/1972/6/105P-14, NO. 21/-
20017	KEG		
106/A/01/	007	GODLIN	001A NCHI/1972/6/106A-01, NO.1/-
20007	TET-RAP		002A MIR/1973/6/NWT/-
106/A/03/	012	THITYA	001A NCHI/1972/6/106A-03, NO 7/-
20012	BEAR-TWIT		002A MIR/1973/6/NWT/-
			003A -/1975,P 240/1/-/GSC PAPER 75-1A
106/A/03/	023	REV	001A NO REFERENCES
20023			
106/A/03/	026		
20026			
106/A/05/	003	PALM	
20003			
106/A/05/	004	JUDE	
20004			
106/A/07/	001	TOAD	
20001			
106/A/07/	028	VIC	
20028			

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MINDEP ABC FILE --- REFERENCES FOR NWT

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NTS            MAC BC#            PROPERTY NAME  
 MINID    ALTERNATE NAME(S)

REFERENCES

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1067A/12/	018	OKANAGAN	001A NCMI/1972/6/106A-12, NO 87-
20018	JAN		
1067B/01/	C05	SISCOE	001A -/1972/6/N.C.M.I. 106B-01, NO.27-
20005	RIO(A54751)		
1067B/08/	C15	JIM	001A NCMI/1972/6/106B-08, NO 8/-
20015	NIC		
1067B/08/	021	FC CLAIMS	001A NCMI/1972/6/106B-8, NO.4/-
20021	SOUTH PART OF SEREM (NCMI. 106B-8, NO. 4		002A JEAN AND CARNE/1975/3/REPORT ON FC GROUP, 1974/DYNASTY EXPL.
1067B/09/	022	GUILD	001A NCMI/1972/6/106B-09, NO 67-
20022	RIS		
1067B/09/	025	TEGART	001A -/1972/6/N.C.M.I. 106B-09, NO.57-
20025	TIC, TIL		
1067B/12/	002	ARC	001A -/1972/6/N.C.M.I. 106B-12, NO.17/-
20002			
1067B/15/	C13	ESSAU	001A NCMI/1972/6/106B-15, NO.19/-
20013	AJ		
1067B/15/	014	JOINT	001A NCMI/1972/6/106B-15 NO.20/-
20014	RA		
1067B/15/	024	GAYNA RIVER	001A -/1972/6/N.C.M.I. 106B-15, NO.267-
20024	R.T.		
1067C/16/	019	GILDERSLEEVE	001A NCMI/1972/6/106C-16 NOS. 59 AND 57-
20019	CAB		002A -/1975,P 241/1/-/GSC PAPER 75-1A
1067C/16/	020	MOGUL	001A NCMI/1972/6/106C-16, NOS. 60 & 61/-
20020	AB		

MINDEP ABC FILE --- CROSS INDEX BY COMMODITY FOR ZN

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COMMODITIES	NTS	PROPERTY NAME	ID	MAC	BC#	LAT	LONG	ELEV
ZN PB	105/P/08/	CLIMAX	20027	027		63.35	128.38	
PB ZN	105/P/11/	PAM	20006	006		63.52	129.12	
PB ZN	105/P/11/	EMILY	20010	010		63.67	129.12	
ZN PB BA	105/P/14/	BACKBONE	20008	008		63.85	129.17	
ZN PB	105/P/14/	WEATHER	20009	009		65.97	129.28	
PB ZN	105/P/14/	LAN	20011	011		63.85	129.35	
ZN PB	105/P/14/	TAP	20016	016		63.95	129.13	
ZN	105/P/14/	TAP	20017	017		64.00	129.23	
CU AG ZN PB	106/A/01/	GCOLIN	20007	007		64.05	128.28	
ZN PB AG	106/A/03/	TWITYA	20012	012		64.03	129.37	
ZN PB	106/A/03/	REV	20023	023		64.13	129.33	
ZN PE	106/A/03/		20026	026		64.05	129.30	
ZN PB	106/A/05/	PALM	20003	003		64.40	129.80	
ZN PB	106/A/05/	JUDE	20004	004		64.37	129.87	
PB ZN CU	106/A/07/	TOAD	20001	001		64.33	128.75	
ZN PB	106/A/12/	OKANAGAN	20018	018		64.35	129.95	
ZN PB	106/B/01/	SISCOE	20005	005		64.18	130.38	
ZN PB	106/B/08/	JIM	20015	015		64.48	130.45	
ZN BA PB	106/B/08/	FC CLAIMS	20021	021		64.22	130.12	
ZN PB AG CU	106/B/09/	GUILD	20022	022		64.63	130.10	
ZN PB	106/B/09/	TEGART	20025	025		64.53	130.17	
ZN PB	106/B/12/	ARC	20002	002		64.58	131.78	
ZN	106/B/15/	ESSAU	20013	013		64.75	130.53	
PB ZN	106/B/15/	JOINT	20014	014		64.87	130.98	
ZN CD PB	106/B/15/	GAYNA RIVER	20024	024		64.95	130.70	1560
ZN PB	106/C/16/	GILDERSLEEVE	20019	019		64.98	132.45	
ZN PB	106/C/16/	MOGUL	20020	020		64.98	132.30	

B. S. CRANK LIMITED

MINDEP ABC FILE --- CROSS INDEX BY COMMODITY FOR PB

Nwty 11

COMMODITIES	NTS	PROPERTY NAME	ID	MAC	BC#	LAT	LONG	ELEV
ZN PB	105/P/08/	CLIMAX	20027	027		63.35	128.38	
PB ZN	105/P/11/	PAM	20006	006		63.52	129.12	
PB ZN	105/P/11/	EMILY	20010	010		63.67	129.12	
ZN PB BA	105/P/14/	BACKBONE	20008	008		63.85	129.17	
ZN PB	105/P/14/	WEATHER	20009	009		65.97	129.28	
PB ZN	105/P/14/	LAN	20011	011		63.85	129.35	
ZN PB	105/P/14/	TAP	20016	016		63.95	129.13	
CU AG ZN PB	106/A/01/	GODLIN	20007	007		64.05	128.28	
ZN PB AG	106/A/03/	TWITYA	20012	012		64.03	129.37	
ZN PB	106/A/03/	REV	20023	023		64.13	129.33	
ZN PB	106/A/03/		20026	026		64.05	129.30	
ZN PB	106/A/05/	PALM	20003	003		64.40	129.80	
ZN PB	106/A/05/	JUDE	20004	004		64.37	129.87	
PB ZN CU	106/A/07/	TOAD	20001	001		64.33	128.75	
PB	106/A/07/	VIC	20028	028		64.30	128.62	
ZN PB	106/A/12/	OKANAGAN	20018	018		64.35	129.65	
ZN PB	106/B/01/	SISCOE	20005	005		64.18	130.38	
ZN PB	106/B/08/	JIM	20015	015		64.48	130.45	
ZN BA PB	106/B/08/	FC CLAIMS	20021	021		64.22	130.12	
ZN PB AG CU	106/B/09/	GUILD	20022	022		64.63	130.10	
ZN PB	106/B/09/	TEGART	20025	025		64.53	130.17	
ZN PB	106/B/12/	ARC	20002	002		64.58	131.78	
PB ZN	106/B/15/	JGINT	20014	014		64.87	130.98	
ZN CD PB	106/B/15/	GAYNA RIVER	20024	024		64.95	130.70	1560
ZN PB	106/C/16/	GILDERSLEEVE	20019	019		64.98	132.45	
ZN PB	106/C/16/	MOGUL	20020	020		64.98	132.30	

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