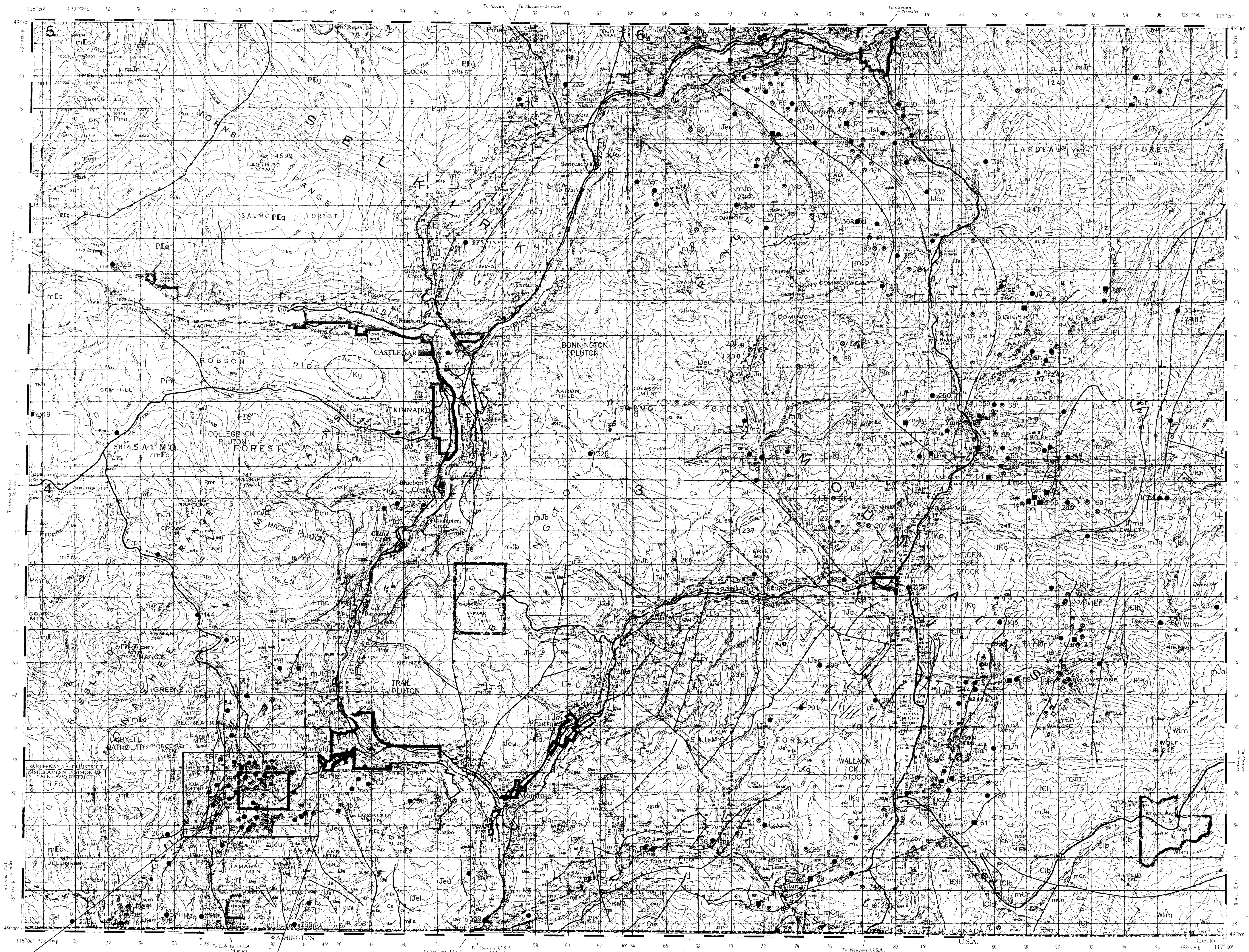
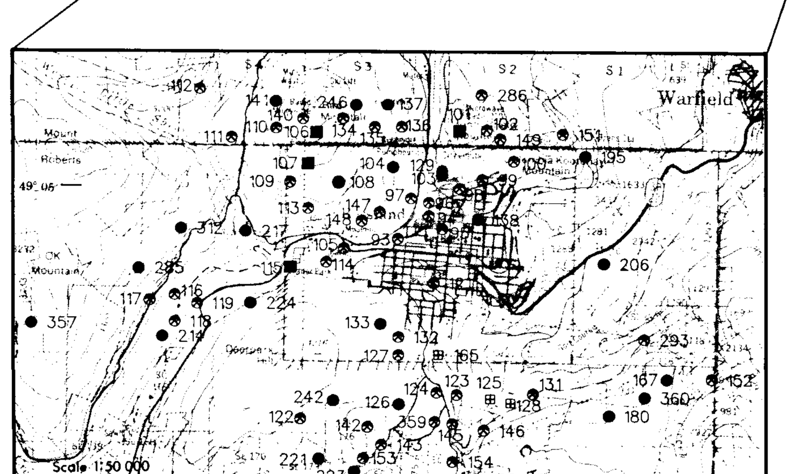




Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

MINFILE MAP 082FSW
TRAIL
MINERAL OCCURRENCE MAP

Scale 1:100 000
(1 cm = 1 km)

km 2 0 2 4 6 8 10 12 14 km

This project is a contribution to the Canada/British Columbia Mineral Development Agreement 1985–1990.

Province of British Columbia — Ministry of Energy, Mines and Petroleum Resources
Energy, Mines and Resources Canada — Énergie, Mines et Ressources Canada

DATE REVISED: JUNE 1991
DATE UPDATED: JULY 1992

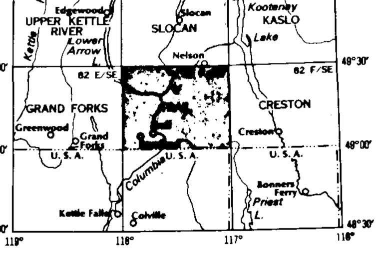
TOTAL NUMBER OF OCCURRENCES: 373 374

LEGEND

STATUS

- Producer
- Past Producer
- Developed Prospect
- Prospect
- Showing

INDEX TO ADJOINING MAPS



MAP LEGEND 82FSW

MINFILE NUMBER	NAME	COMMODITIES
001	ASPEN (L.12471)	AG AU PB ZN
002	BUNKER HILL (L.2939)	AU AG WO MO
003	ED	PB ZN AG
004	HB (L.12672)	PB ZN AG CD CU AU TC
005	LUCKY BOY (L.9188)	ZN PB
006	BLACK ROCK NORTH (L.14406)	ZN PB CU GE GA
007	BLACK ROCK SOUTH	ZN PB
008	IRON CAP	PB ZN AG AU
009	JERSEY (L.9070)	PB ZN AG CD WO MO
010	EMERALD TUNGSTEN	WO MO
011	DODGER (L.12083)	WO MO
012	JACKPOT MAIN	PB ZN CD WO
013	JACKPOT EAST	ZN PB WO
014	HUNTER V (L.2212)	AG AU LS
015	DOUBLE STANDARD (L.2213)	AG AU LS
016	JUMBO (L.12688)	WO MO
017	LAST CHANCE	PB ZN
018	LOMOND	FE PB ZN AG
019	LONE SILVER	AG AU PB ZN CU
020	MEADOW VIEW	AG AU CU MO
021	MOLLY (L.14232)	MO WO UR
022	OXIDE	ZN PB AG AU MN
023	PETE CREEK	ZN PB AG
024	RED BIRD (L.13465)	ZN PB AG AU CD GA GE
025	RED ROCK	PB ZN AG
026	REEVES MACDONALD	ZN PB AG CD CU GA GE
027	POINT	ZN PB
028	O'DONNELL	ZN PB AG CD CU GA GE
029	PROSPECT	ZN PB
030	SALMO-CONSOLIDATED	AU PB ZN AG
031	SHENANGO	PB ZN AG
032	SILVER BELL	ZN BA
033	TRUMAN	PB ZN AG
034	TUNGSTEN KING 1	ZN PB AG
035	DONNYBROOK (L.12685)	AU PB ZN CU
036	RENO (L.12684)	AU PB ZN AG CU
037	BLUESTONE (L.9054)	AU AG
038	CAYOTE (L.8343)	AU AG
039	FAWN	AU
040	NUGGET (L.8341)	AU AG PB SI
041	MOTHERLODE (L.8818)	AU AG PB ZN
042	GOLDEN WEST (L.8816)	AU
043	GOLDEN BELLE (L.9917)	AU
044	GOLD BELT	AU AG PB ZN CU
045	NAVADA (L.8869)	AU AG PB ZN
046	KOOTENAY BELLE	AU AG PB ZN WO
047	EUREKA	AU
048	QUEEN (L.1076)	AU AG PB ZN
049	VANCOUVER (L.10006)	AU AG
050	MIDNIGHT (L.13476)	AU AG
051	ALEXANDER	PB
052	YELLOWSTONE (L.3631)	AU AG PB ZN
053	ORE HILL (L.2073)	AU AG PB ZN
054	SUMMIT (L.10010)	AU AG PB ZN
055	BONANZA (L.10161)	AU AG PB
056	CLYDE (L.8873)	AU
057	ELM	ZN WO FL
058	UDIVILLE (L.15851)	PB ZN AG WO MO
059	VICTORY TUNGSTEN	WO MO
060	CAVIAR	ZN
061	UNITED VERDE	AG PB ZN AU
062	LUCKY STRIKE	AU AG PB ZN CU
063	PORCUPINE (L.4634)	AU AG PB ZN SN CU
064	NEVADA (L.3504)	AU AG PB ZN
065	BLUE NELLIE (L.2936)	PB ZN
066	CENTER STAR (L.3766)	AU AG PB ZN
067	DUNDEE	AU AG PB ZN
068	YANKEE GIRL (L.7712)	AU AG PB ZN CD
069	TWO STAR	AU AG PB ZN
070	MAY BLOSSOM (L.5666)	AG PB ZN AU MO WO
071	RONOKE (L.3402)	AU PB CU
072	TAMARAC (L.3802)	AU AG
073	PROTECTION	AU AG PB ZN CD CU
074	YMIR (L.1708)	AU AG PB ZN
075	YMIR-GOOD HOPE	AU AG ZN PB CU CD
076	BLACKCOCK (L.2922)	AU AG PB ZN
077	WILCOX	AU AG PB ZN
078	FOG HORN (L.5204)	AU PB
079	GOLD CUP	AU AG CU
080	DUMAS (L.5727)	AU AG PB ZN
081	OLD TIMER (L.4662)	AU AG PB ZN CU
082	QUEEN VICTORIA (L.368)	CU AG AU
083	STAR (L.3687)	AU CU AG PB
084	EUREKA (L.5552)	CU AU AG PB ZN
085	CENTRAL (L.4801)	CU AG AU
086	GRANITE-POORMAN (L.2550)	AG AU PB ZN CU CD WO
087	VENANGO (L.4757)	AU AG PB ZN WO
088	ROYAL CANADIAN (L.633)	AU AG ZN PB WO
089	GOOD HOPE	AU AG CU
090	MIRACLE	AU AG
091	MAY & JENNIE (L.3943)	AU AG
092	GOLD HILL	AU AG CU
093	LE ROI	AU AG CU
094	CENTRE STAR (L.588)	AU AG CU MO
095	NICKEL PLATE (L.537)	AU AG CU
096	IRON MASK (L.688)	AU CU AG
097	WAR EAGLE (L.680)	AU AG CU
098	VIRGINIA (L.681)	AU AG CU
099	IRON HORSE (L.795)	AU CU
100	IRON COLT (L.796)	AU AG CU CO
101	MONTE CRISTO (L.802)	AU CU AG NI CO
102	EVENING STAR (L.801)	AU AG CU NI CO MO BI
103	CITY OF SPOKANE (L.804)	AU CU
104	RED MOUNTAIN (L.1000)	AU CU
105	BLACK BEAR (L.538)	AU CU AG
106	GOLDEN QUEEN (L.944)	MO WO CU
107	NOVELTY (L.958)	AU MO CO UR BI
108	GERTRUDE (L.690)	MO AU CU ZN BI
109	GIANT (L.997)	AU MO CU CO NI BI WO
110	COXEY	MO CU WO AU
111	JUMBO (L.965)	AU AG MO CU BI
112	GOLD HILL (L.640)	AG
113	CALIFORNIA (L.956)	AU CU AG ZN
114	WHITE BEAR (L.1149)	AU CU AG
115	SNOWDROP	AU AG CU PB
116	I.X.L.	AU AG CU PB ZN NI AB
117	O.K.	AU AG CU PB AB
118	GOLDEN DRIP (L.539)	AU AG PB ZN CU
119	MIDNIGHT (L.1186)	AU AG PB ZN CU NI CR *
120	NORWAY (L.1628)	AG AU
121	SPITZEE (L.2520)	AU AG CU WO
122	DEER PARK (L.932)	AU CU AG MO FE WO CO *
123	HOMESTAKE (L.936)	AG AU CU PB ZN
124	MONDAY (L.995)	AG ZN PB CU
125	GOPHER (L.1050)	AU AG CU ZN BI
126	TUESDAY (L.1278)	CU AU AG
127	SUNSET (L.954)	AU AG CU FE
128	NORTH	AU AG CU ZN
129	MABEL (L.1202)	AU AG CU
130	VANDOT	CR NI PT CO TI FE
131	ROBERT E. LEE (L.1292)	AU AG CU ZN BI PB
132	PHOENIX (L.953)	AU AG CU
133	ABE LINCOLN (L.1296)	AU CU
134	ST. ELMO (L.923)	MO CU WO AG AU
135	CONSOLIDATED ST. ELMO (L.924)	AU CU AG PB WO
136	CLIFF (L.921)	AU CU AG WO BI
137	SOUTHERN BELLE (L.1348)	AU
138	GOLDEN CHARIOT (L.691)	AU CU
139	JOHN	AG ZN PB
140	MOUNTAIN VIEW (L.682)	MO WO CU AU AG PB
141	GOOD FRIDAY (L.967)	PB ZN
142	HATTIE (L.1054)	AU AG CU BI
143	RICHMOND (L.1508)	AG PB AU CU ZN
144	ALVA	WO
145	BLUE BIRD (L.1053)	AG PB ZN AU CU SB
146	MAYFLOWER (L.799)	AG AU PB ZN CD
147	JOSIE (L.536)	AU AG CU
148	ANNIE (L.730)	AU AG CU
149	GEORGIA (L.928)	AU AG CU
150	SHAWN	AU AG CU PB
151	COLUMBIA-KOOTENAY	AU CU NI BI
152	CROWN POINT (L.981)	AU CU AG
153	LILY MAY (L.1052)	AG CU PB ZN AU
154	CURLEW (L.1220)	AG AU PB ZN CU SB
155	RED EAGLE (L.1615)	AG PB CU ZN
156	NATURE BOY	AG PB ZN
157	URAL (L.2944)	AU AG
158	CASINO RED CAP	AU AG PB ZN
159	COLUMBIA	AU AG
160	SUNSET (L.6563)	AG AU PB ZN CU
161	DOUGLAS (L.2865)	AG PB ZN CU
162	VELVET (L.2521)	CU AU AG PB ZN MO WO
163	LORD ROBERTS	AG CU FE BI
164	UNION (L.944)	PB ZN AG AU CU BI
165	NEST EGG (L.1048)	AU CU AG
166	VENUS (L.4293)	AU AG PB CU ZN
167	SDR	AU CU MA ZN AG
168	ATHABASCA (L.1569)	AU AG PB ZN CU WO
169	CALIFORNIA (L.1677)	AU AG PB ZN CU
170	SHAMROCK (L.2234)	AG PB ZN AU
171	IRENE (L.4151)	AU AG
172	GREAT EASTERN (L.4152)	AU AG
173	VICTORIA-JESSIE	AU AG CU
174	STARLIGHT (L.684)	AU AG CU
175	DAYLIGHT-BERLIN	AU AG PB ZN CU
176	SILVER KING (L.141)	AG CU AU PB ZN
177	REFERENDUM (L.4387)	AU AG PB ZN
178	NORTHERN LIGHT	AU AG CU
179	GOLDEN EAGLE (L.4215)	AU PB ZN AG CU
180	CELTIC QUEEN (L.987)	AU AG ZN PB
181	GOLD KING (L.12411)	AU CU AG
182	BEAR (L.14714)	AU AG CU
183	FERN (L.374)	AU AG CU
184	CANADIAN BELLE (L.4783)	AU AG CU
185	GOLDEN AGE	AU AG CU PB ZN WO
186	EUPHRATES	AU AG PB ZN CU
187	SECOND RELIEF (L.2463)	AU AG PB ZN CU MO
188	HARRIET	AU AG
189	PORTO RICO (L.2385)	AU AG CU PB ZN
190	SPOTTED HORSE (L.5375)	AU AG WO
191	COMMODORE (L.14118)	AG AU
192	ELISE (L.1310)	AG AU PB ZN CU
193	ARIZONA (L.13026)	AU AG PB ZN
194	YMIR BELLE	AU PB ZN AG
195	MASCOT (L.1344)	CU
196	PILOT-GOOD HOPE	AU AG PB ZN
197	MYRTLE	AU AG PB ZN
198	DEWEY (L.14431)	AG AU PB ZN CU
199	HOWARD (L.12538)	AG PB ZN AU CD CU
200	CLUBINE	AU AG PB ZN CU
201	SECOND CHANCE	AU AG
202	KEYSTONE (L.5137)	AU AG PB ZN CU
203	CANADIAN KING (L.4196)	AU AG PB
204	GOLD HILL	AU AG CU
205	ARLINGTON (L.3648)	AU AG PB ZN
206	COMMANDER (L.960)	AU CU WO
207	SILVER DOLLAR (L.12599)	AU AG PB ZN CU
208	PERRIER	AU AG PB ZN CU
209	CATHERINE (L.4437)	AU AG PB ZN CU
210	HUMMINGBIRD	AU AG PB ZN CU
211	MAMMOTH (L.14694)	CU MO AG PB ZN AU NI
212	MOTA	UR
213	COPPER KING (L.5153)	AG AU CU PB
214	LITTLE SHEEP CK ULTRAMAFICS	CR NI AB
215	SWIFT CREEK	LS MB
216	RAND (L.14666)	AU AG CU
217	EUREKA (L.946)	MO CU
218	INVINCIBLE (L.12084)	WO MO
219	ANNEX (L.14070)	AG PB ZN CD CU
220	CURLETT	MO
221	INDEPENDENT (L.1275)	WO
222	WHITEWATER (L.529)	AU AG PB ZN MO
223	ZILOR (L.1051)	AG AU PB ZN CU
224	RAINY DAY (L.1339)	MO
225	ST. LOUIS (L.935)	CU
226	HATTIE	MO WO CU AG
227	REX	CU
228	LOTO 3	WO CU
229	STEWART 2	MO WO AU AG PB ZN
230	SILVER 1	AG PB ZN CU
231	SILVER 5	AG PB ZN CU
232	HILLTOP	PB ZN CU
233	NESS	CU
234	BLUE EYES	WO MO
235	HUNGARY MAN (L.4083)	AU CU
236	BLUESTAR	AU CU AG PB ZN
237	KENA 7	CU AU PB ZN
238	LAST CHANCE	AG CU PB ZN AU
239	ATLIN-NOME	AU
240	M	ZN PB
241	ROSA (L.2460)	AG PB ZN AU
242	GRAND PRIZE (L.933)	PB BI
243	WANETA 6	AG PB CU AU AS SB
244	MAYFLOWER (L.9189)	ZN
245	WOLF LAKE	AU AG CU
246	VIEW (L.645)	CU
247	FEENEY (L.9074)	WO MO
248	PARADISE (L.728)	AU AG CU
249	GARNET (L.10809)	ZN PB
250	BOBBI	MO WO CU FL AU PB ZN
251	FRESNO	MO
252	ROMA	UR TH
253	PUREX LIME	LS DO
254	JACK POT (L.4789)	CU AG AU
255	JACKPOT WEST	ZN PB
256	JACKPOT LERWICK	ZN PB
257	DAVNE	AU AG PB ZN CU
258	GOLD 1-2	AU AG PB
259	JOINT (L.8344)	PB ZN AU AG
260	HEATHER	AU
261	CARIBOU	AU AG PB ZN
262	WALLACE CREEK	LS
263	JERO 5	AG AU
264	CAL	AU AG CU PB ZN
265	BIG HORN	AU AG CU ZN WO
266	BEAVER CREEK	AU AG PB ZN CU
267	ARMSTRONG (L.5483)	AG PB ZN AU
268	MEADOWS	MO AG AU
269	ACORN	WO AU
270	LUCKY-BILL-TAG	UR
271	GIBSON CREEK	UR TH
272	CRESCENT	NB TA UR TH TI YR
273	U308	UR
274	JOSIE (L.3925)	AU CU AG
275	JACKASS	UR
276	NORTH STAR (L.4149)	AU
277	FREE SILVER (L.2902)	AG PB ZN CU MO
278	KEITH	DS BS AT
279	PORCUPINE QUARTZITE	BS DS SI
280	M.U.T.	MO WO UR
281	SHILOH (L.3847)	AU ZN PB
282	MONARCH (L.2082)	CU AG AU MO PB ZN
283	ALLOUEZ	AU AG CU
284	NEW YORK CENTRAL (L.7352)	AU
285	CRISTINE (L.1219)	AU CU
286	SILVERINE (L.732)	AU AG CU BI
287	KIRKUP	CU MO WO
288	SHEEP CREEK QUARTZITE	DS
289	SHEEP CREEK MARBLE	MB LS DS
290	KATIE	CU
291	GUS	AU AG PB ZN CU
292	PEND D'OREILLE	LS
293	ROSSLAND GRANITE	DS BS GR
294	TOUGHNUT (L.199)	AU AG CU PB ZN
295	MITZIE 1	AG PB ZN CU AU
296	NELSON CLAY	CY
297	YMIR PULASKITE QUARRY	DS BS
298	HELEN (LOT 1151)	AU AG CU PB ZN MO CR *
299	RACHEL	AU AG PB
300	BEN HASSEN (L.3663)	AG PB ZN AU CU
301	ARNOLD (L.4079)	AG AU CU PB ZN
302	RHEA	AU AG CU PB ZN
303	ROOT	AU AG PB ZN CU
304	LASCA 1	PB ZN
305	ASPEN SHOWING	PB ZN AG AU
306	SANTA ROSA	WO AU AG CU PB ZN
307	LOST CREEK	LS
308	FLYING DUTCHMAN (L.5146)	AU AG CU PB
309	STAR OF THE WEST (L.1311)	AG PB ZN AU
310	EMERALD	PB AG ZN MO
311	ARROW TUNGSTEN	WO MO ZN CU PB
312	CARIBOU SHOWING (L.1205)	AU AG
313	SUMMIT (L.4229)	PB ZN MN
314	PINGREE (L.3685)	AU CU
315	CASTLEGAR JUNCTION	CY
316	BLUEBIRD	AU AG PB
317	STERLING (L.2926)	PB ZN
318	LASCA 2	AU AG PB ZN
319	LASCA 3	PB AG ZN
320	COMET (L.14761)	WO
321	ALFIE (L.15091)	WO
322	TUNGSTEN KING 2	AG PB ZN
323	SILVERADO	AU AG PB ZN
324	TEC GOLD	AU CU
325	MAUD S.(L.1442)	AU CU PB
326	KIMBARB	MO GS
327	YMIR GRAPHITE	GT
328	MARBLE EDGE (L.2354)	MO
329	GOLD QUEEN (L.1075)	AG AU PB ZN
330	MARILYN 1-12	AG PB ZN
331	SHAFT	AU CU
332	KENA COPPER	CU
333	GREAT WESTERN	AU CU
334	JENNIE BELL	AU AG PB
335	CANADIAN PACIFIC	AU PB ZN
336	THREE FRIENDS	AU AG CU
337	RENO LIMESTONE	LS
338	WANETA LIMESTONE	LS
339	SOUTH SALMO RIVER	LS
340	STRAWBERRY FLATS	AU AG CU PB ZN
341	ROSSLAND WOLLASTONITE	WL
342	GRANITE	BS DS
343	NELSON GRANITE	DS
344	SILVER HILL	AG
345	LOT 4636	DS BS
346	SHARON	BS DS
347	RIVERSIDE	DS BS
348	B & B	DS BS
349	WEWA	CU FL
350	ACE IN THE HOLE	AG AU PB CU ZN
351	THREE SISTERS	KY
352	VERMONT	AG PB ZN CU
353	MOR 1	AU CU
354	ORO FINO (L.2011)	AU AG CU
355	KENO 9	AU CU AG
356	DEBBIE	AU CU AG
357	TRILLICUM (L.11013)	PB ZN CU
358	AUROUS	AU CU AG
359	HATTIE BROWN (L.1047)	AU AG PB
360	CQ	AU
361	CAM 2	AU AG CU
362	GOLD DUST	AU CU AG
363	STEMWINDER (L.1498)	AU CU
364	LITTLE GIANT (L.1992)	AU
365	VINON	AU CU
366	RED POINT (L.1200)	AU AG
367	KNIGHT TEMPLAR	AU
368	VICTORY-TRIUMPH	CU AU
369	OLGA (L.4201)	AU AG PB
370	FALU (1350)	AU
371	HIGHLAND (L.1049)	CU
372	INDEPENDENCE (L.5148)	AU CU AG
373	ERIE	AG AU PB ZN CU
374	SOUTH FORK SILICA	SI
375	McPhee	AU, AG, CU, NI, Co, ZN
376	Trail Slag	ZN, IN, GE
377	Little George	Au, Ag

COMMODITY LEGEND

CODE	COMMODITY
*	
AB	Asbestos
AG	Silver
AS	Arsenic
AT	Aggregate
AU	Gold
BA	Barite
BI	Bismuth
BS	Building Stone
CD	Cadmium
CO	Cobalt
CR	Chromium
CU	Copper
CY	Clay
DO	Dolomite
DS	Dimension Stone
FE	Iron
FL	Fluorite
GA	Gallium
GE	Germanium
GR	Granite
GS	Gemstones
GT	Graphite
KY	Kyanite
LS	Limestone
MA	Magnetite
MB	Marble
MN	Manganese
MO	Molybdenum
NB	Niobium
NI	Nickel
PB	Lead
PT	Platinum
SB	Antimony
SI	Silica
SN	Tin
TA	Tantalum
TC	Talc
TH	Thorium
TI	Titanium
UR	Uranium
WL	Wollastonite
WO	Tungsten
YR	Yttrium
ZN	Zinc
IN	Indium

COMMODITY	CODE
	*
Aggregate	AT
Antimony	SB
Arsenic	AS
Asbestos	AB
Barite	BA
Bismuth	BI
Building Stone	BS
Cadmium	CD
Chromium	CR
Clay	CY
Cobalt	CO
Copper	CU
Dimension Stone	DS
Dolomite	DO
Fluorite	FL
Gallium	GA
Gemstones	GS
Germanium	GE
Gold	AU
Granite	GR
Graphite	GT
Iron	FE
Kyanite	KY
Lead	PB
Limestone	LS
Magnetite	MA
Manganese	MN
Marble	MB
Molybdenum	MO
Nickel	NI
Niobium	NB
Platinum	PT
Silica	SI
Silver	AG
Talc	TC
Tantalum	TA
Thorium	TH
Tin	SN
Titanium	TI
Tungsten	WO
Uranium	UR
Wollastonite	WL
Yttrium	YR
Zinc	ZN

* Means 8 or more commodities

GEOLOGICAL LEGEND

CENOZOIC

TERTIARY

- **Tr** rhyolite dykes
- **Ti** hornblende-feldspar and hornblende porphyries

EOCENE OR PALEOCENE

- **PEg** leucocratic biotite quartz monzonite

MIDDLE EOCENE

- **mEc** CORYELL INTRUSIONS — biotite monzonite, biotite-augite monzonite
- **mEs** SHEPPARD INTRUSIONS — granite, rhyolite dykes
- **mEm** MARRON FORMATION — andesite flows; minor lapilli tuff, tuffaceous sandstone and tuffaceous conglomerate

PALEOCENE

- **Pgn** K-feldspar megacrystic biotite-hornblende quartz monzonite

MESOZOIC

UPPER CRETACEOUS

- **uKsm** SOPHIE MTN FORMATION — coarse conglomerate with quartzite and/or siltstone clasts, minor argillite

LOWER CRETACEOUS

- **lKg** granite, quartz porphyry

MIDDLE TO LATE JURASSIC

- **mJn** NELSON INTRUSIONS — includes Nelson, Bonnington (mJb), Trail (mJt), and Mackie (mJm) plutons: porphyritic granite, granodiorite, quartz monzonite and minor diorite porphyry and breccia

MIDDLE JURASSIC

- **mJsk** SILVER KING INTRUSIONS — plagioclase porphyry
- **Jp** diorite, meta-diorite, pyroxenite

LOWER JURASSIC

- **lJrm** ROSSLAND MONZONITE — biotite/biotite-augite monzonite
- **Jdi** diorite
- **lJr** ROSSLAND GROUP — mafic to intermediate flows and tuffs, tuffites, argillaceous siltstone, turbidite siltstone and wacke, minor pebble conglomerate and subvolcanic intrusions
  - **lJh** HALL FORMATION — argillite, carbonaceous siltstone; minor pebble conglomerate and carbonate
  - **lJe** ELISE FORMATION — mafic flows, pyroclastic breccia; mafic to intermediate tuffs, tuffites
    - **lJes** Elise sedimentary rock — argillaceous siltstone
    - **lJeu** Upper Elise Formation — basaltic to andesitic lapilli, crystal and fine tuff, tuffaceous siltstone and conglomerate
    - **lJel** Lower Elise Formation — basaltic flows and flow breccias, basaltic pyroclastic breccia, minor basaltic to andesitic crystal and fine tuff
  - **Ja** ARCHIBALD FORMATION — argillite, turbidite siltstone, conglomerate and minor maroon siltstone

DEVONIAN TO EOCENE (?)

- **tg** TRAIL GNEISS — amphibolite and biotite gneiss, hornblende gneiss, minor schist, pegmatite and aplite

CRETACEOUS

- **Kg** KINNAIRD GNEISS — leucocratic hornblende and biotite gneiss; with K-feldspar augen, leucocratic veins and pegmatite, amphibolite layers and boudins, granitic layers and quartz poor phases ± diorite orthogneiss

PENNSYLVANIAN (?)

- **cg** CASTLEGAR GNEISS COMPLEX — heterogeneous hornblende ± biotite quartz-feldspar paragneiss, amphibolite, calc-silicate gneiss

DEVONIAN

- **Djp** JOHNSON CREEK PLUTON
- **gn** layered granitoid gneiss and amphibolite

LOWER JURASSIC AND UPPER TRIASSIC (?)

- **lJy** YMIR GROUP — argillite, siltstone, grit, impure limestone; minor chert, wacke; generally rusty-weathering

PALEOZOIC

- **Pms** metasedimentary rock, limestone

PENNSYLVANIAN TO PERMIAN

- **Pmr** MOUNT ROBERTS FORMATION — siliceous siltstone, argillite, silty chert; minor sandstone and limestone or dolomite

UPPER MISSISSIPIAN TO LOWER PERMIAN

- **Mm** MILFORD GROUP — siliceous argillite and phyllite, grey limestone; chert

LOWER AND (?) MIDDLE ORDOVICIAN

- **Oa** ACTIVE FORMATION — black argillite, slate, quartzite

MIDDLE CAMBRIAN

- **m€n** NELWAY FORMATION — black limestone, calcareous argillite, slate, and phyllite

LOWER CAMBRIAN

- **l€lb** LAIB FORMATION — phyllite, argillite, schist, micaceous quartzite; Reeves (Badshot) limestone member

LOWER CAMBRIAN TO LATE PROTEROZOIC

- **l€h** HAMILL GROUP — argillite, micaceous schist, quartzite, argillaceous quartzite; Reno and Quartzite Range Formations

CARBONIFEROUS

- **Cs** argillite, silty argillite, siltstone; minor limestone (probably equivalent to Pms)
- **um** ULTRAMAFIC ROCKS — serpentinite, minor dunite

LOWER PALEOZOIC

- **lPms** quartzite, argillite, slate; minor limestone, black phyllite and schist
- **lPl** LARDEAU GROUP — quartzite, schist, argillite, slate, limestone; minor igneous members

PRECAMBRIAN

LATE PROTEROZOIC

Windermere Group

- **Wtm** grit and quartzite, minor schist, limestone, argillite and phyllite, minor conglomerate; Three Sisters and Monk Formations
- **Wi** IRENE FORMATION — greenstone, minor argillite, limestone

SYMBOLS

- limit of exposures
- geological contact (defined, approximate, assumed)
- fault (defined, approximate, assumed)
- fault; thrust, overturned, normal: early/late
- shear; zone, upper limit of shear strain
- Sense of motion

Geological legend and base derived from:

Andrew, K.P.E., Hoy, T. and Simony, P. (1991): *Geology of the Trail Map Area*, Ministry of Energy, Mines and Petroleum Resources, Open File 1991-16, scale 1:100,000.

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