



Province of British Columbia  
Ministry of Energy, Mines and Petroleum Resources  
GEOLOGICAL SURVEY BRANCH

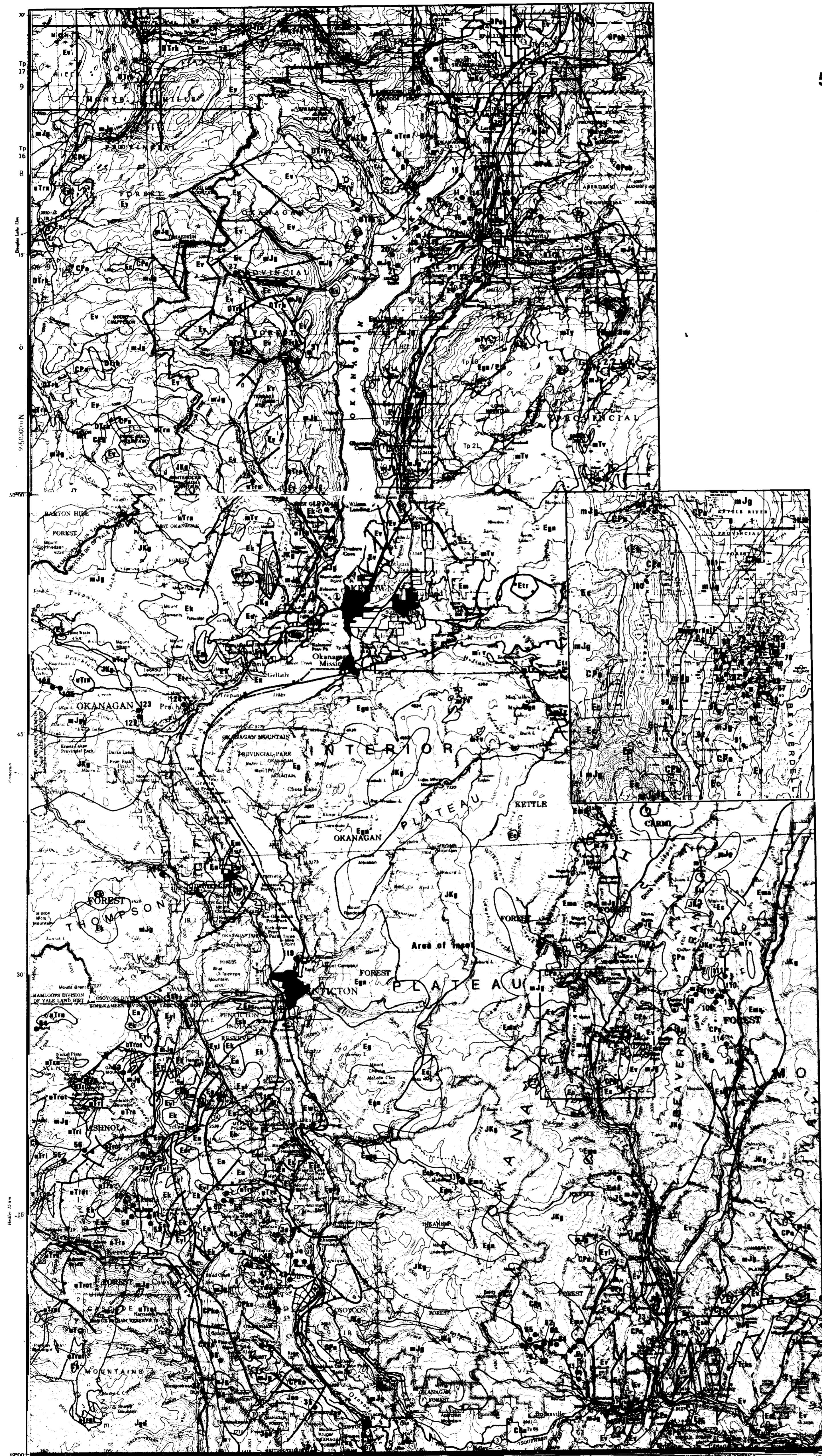
## OPEN FILE 1989 - 5

5A. LODE GOLD - SILVER OCCURRENCES OF THE OKANAGAN REGION,  
SOUTH - CENTRAL BRITISH COLUMBIA

(82E/W, 82L/SW)

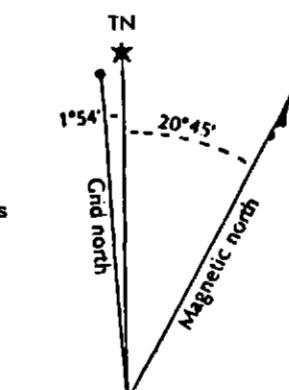
Mineral Occurrences compiled by  
R.E. Meyers and W.A. Taylor,Geology of 82E/W compiled by  
D. Terpelman-King  
Geological Survey of Canada  
(G.S.C. Open File 1969)Scale 1:250 000  
(1 cm = 2.5 km)km 0 5 10 15 20 25 30 km  
1 cm = 0.25 km  
1 cm = 1695 km

## LEGEND

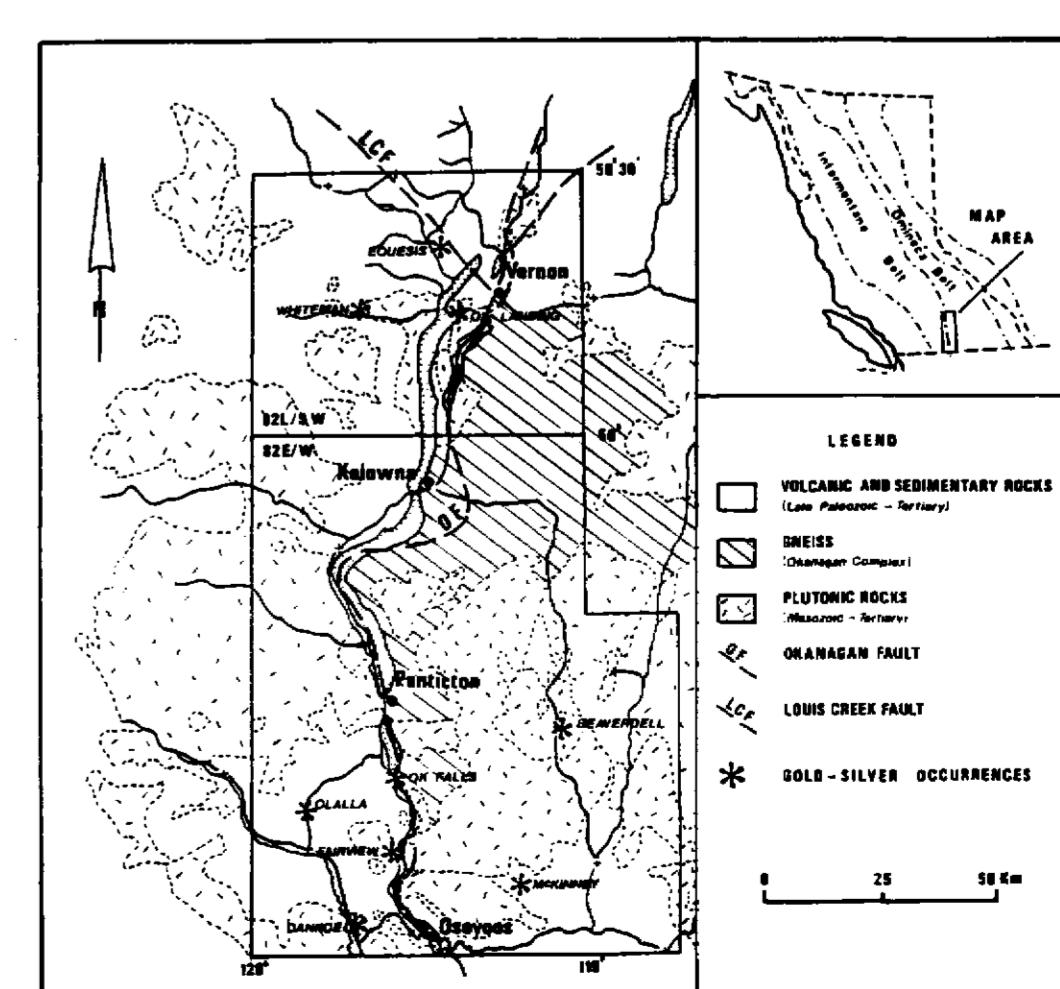


PLEISTOCENE	LAMBLY CREEK BASALT	MIDDLE JURASSIC	NELSON PLUTONIC ROCKS
QPI	Aphanitic with hornblende, biotite and pyroxene phenocrysts.	mJg	Hornblende biotite granodiorite, quartz diorite, granite and biotite gneiss, moderately foliated; includes undifferentiated biotite granite of the Vathia suite; age poorly constrained.
MIOCENE	PLATEAU BASALT	mJn	MASSIVE AND FOLIATED PLUTONS
mTv	Andesitic, augite and hornblende porphyritic; conglomerate and sandstone.	mJum	Synkinetic granite, pegmatitic, quartz monzonite and aplite; includes Shuswap and Okanagan metamorphic complexes; may include Paleozoic and Proterozoic orthogneisses.
EOCENE	EOCENE VOLCANIC ROCKS	OLILLA PYROXENITE	OLILLA PYROXENITE
Ev	Undifferentiated; may include Kamloops Group, Ena and some sedimentary rocks.	mJv	Massive coarse-grained pyroxenite, hornblende, serpentinite and peridotite.
Eor	OLILLA RHYOLITE	Jgd	KRUGER SYENITE
	Rhyolite breccia, obsidian and related dykes.	mJw	Massive hornblende granodiorite with a marginal zone of megacrystic syenite.
MARRON GROUP	MARRON GROUP	UPPER TRIASSIC AND/OR LOWER JURASSIC	NICOLA GROUP
Ema	Undifferentiated; andesite, dacite, trachyte, epiclastic rocks.	uTrm	Massive and weakly foliated greenstone, andesitic agglomerate and breccia, interbedded limestone and greywacke; associated sedimentary rocks include tuffaceous dolomite, phyllite, slate and quartzite with pyrite lenses.
Es	Brecciated greenstone (uTr), brecciated chert (uTr) and brecciated granite (uTr); polydymitic lamprophyre.	ORDOVICIAN TO UPPER TRIASSIC	OLD TOM FORMATION
Ewl	WHITE LAKE FORMATION	uTrot	Massive andesitic greenstone and greenstone breccia with extensive silicified bodies; gradational relationship to uTr.
Em	Massive to thick bedded volcanic breccia and pyroclastic rocks; interbedded sandstone, siltstone and carbonaceous seams.	uTrs	SHOEMAKER FORMATION
En	MARAMA FORMATION	uTri	Massive silicified volcanic rocks, including "cherty tuff" and breccia; undifferentiated greenstone, may be the silicified equivalent of uTrot.
	Flow banded dacite with plagioclase, hornblende and biotite phenocrysts.	INDEPENDENCE FORMATION	INDEPENDENCE FORMATION
MARAMA FORMATION - NIMPIT LAKE MEMBER	MARAMA FORMATION	Trib	Greenstone volcanic breccia with undifferentiated silicified lenses; resembles uTrot and uTrs.
Amg	Amphibolized andesite; undifferentiated intrusive equivalents.	CORELL SYENITE AND EQUIVALENT	BROOKLYN LIMESTONE AND "SHARPSTONE CONGLOMERATE"
Ek	KITLEY LAKE FORMATION	DTrh	Thick bedded limestone with angular "chert" lenses; massive massive breccia with angular "chert" and greenstone clasts, derived mainly from CPk.
	Trachyte to trachyanandesite; plagioclase and biotite phenocrysts; includes ash flow tuff and minor mudstone; undifferentiated intrusive equivalents.	CARBONIFEROUS OR PERMIAN	HAPPER RANCH GROUP
Eyl	YELLOW LAKE FORMATION	CPk	Volcanic derived sedimentary rocks of intermediate composition, minor basalt, andesite and dacite flows and pyroclastic rocks; Devonian to Permian limestone blocks in Upper Paleozoic to Triassic matrix.
	Phenocryst, thick tabular pyroxene-rich flows, with amphibole and primary analcite; undifferentiated intrusive equivalents.	CAMBRIAN TO PERMIAN	KNOB HILL GROUP
Etr	TREPANIER RHYOLITE	CPeb	Massive "cherty" silicified greenstone, greenstone, amphibolite, minor limestone and "sharpstone"; age unknown.
	Flow banded rhyolite with quartz, hornblende and biotite phenocrysts.	CARBONIFEROUS	EAGLE BAY FORMATION
Esb	SPRINGBROOK FORMATION	Coc	Phyllite, semi-metamorphic schist, siltstone, sandstone, felsic metavolcanic rocks, limestone and quartzite; extensively thrust faulted and folded.
	Poorly sorted, immature, coarse boulder conglomerate.	CB	BARSLOW FORMATION
EOCENE	CORELL SYENITE AND EQUIVALENT	CPa	Thin bedded slate and argillaceous siltstone; lower greenschist metamorphosed.
Ec	Strongly foliated andesite-biotite granodiorite orthogneiss grades to mylonitic gneiss, mylonite and blastomylonite; minor amphibolite, paragneiss, schist, pegmatite and aplite; strongly deformed along foliation; includes Ema and Ek, and its presumed sheared equivalents (Jkg, mJg and Pm).	CPko	CARBONIFEROUS OR OLDER
Eso	SHINGLE CREEK PORPHYRY	CPa	ANARCHIST GROUP
	Massive, fine-grained porphyritic granite and felsite with K-feldspar phenocrysts and megacrysts; occurs as feeder dykes to Ema and Ek.	Pm	Recrystallized gneiss, greenstone, quartz-chlorite schist, quartz-biotite schist, minor pelitic and "chert" breccia; Wallace Formation at Beaverville; age unknown.
Egn	"OKANAGAN GNEISS"		KOBAU GROUP
	Strongly foliated andesite-biotite granodiorite orthogneiss grades to mylonitic gneiss, mylonite and blastomylonite; minor amphibolite, paragneiss, schist, pegmatite and aplite; strongly deformed along foliation; includes Ema and Ek, and its presumed sheared equivalents (Jkg, mJg and Pm).		Undivided amphibolite, greenschist, quartzite, mica schist, talc-schist and minor marble; strongly penetrative fabric; age unknown.
Egng	Biotite Granite Gneiss		?PROTEROZOIC AND PALEOZOIC?
	Biotite granite gneiss and granodiorite gneiss with pegmatite veins and sills.	Pm	MONASHEE GNEISS
Eg	Hornblende granodiorite; age poorly constrained.		Massive grey biotite granodiorite gneiss; gradational westward with Egn, but not overprinted by the Eocene event; age unknown.
CRETACEOUS AND/OR JURASSIC	HORNBLENDE QUARTZ DIORITE		
mKg	Variably foliated; granodiorite, granite, quartz monzonite.		
	OKANAGAN BATHOLITH		
Jkg	Biotite granodiorite and granite; equigranular to porphyritic; unfoliated to weakly foliated; age poorly constrained.		
Jo	OLIVER PLUTON		
	Porphyry biotite granite, hornblende granodiorite, weakly foliated; iob, biotite hornblende diorite; age poorly constrained.		
Jos	OSGOOG GRANODIORITE		
	Hornblende granodiorite, pervasively saussuritized, chloritized, sheared and fractured; age unknown.		

Use diagram only to obtain numerical values  
APPROXIMATE MEAN DECLINATION 1964  
FOR CENTRE OF MAP  
Decreasing approximately 08' annually



- Gold-Silver Mineral Occurrence
- Geological Contact, location approximate, assumed
- Fault, inferred, displacement unknown
- Normal Fault, downthrow side indicated
- Thrust Fault





## OPEN FILE 1989 - 5

**5B. LODE GOLD - SILVER OCCURRENCES OF THE OKANAGAN REGION,  
SOUTH - CENTRAL BRITISH COLUMBIA**

(82E/W, 82L/SW)

## Mineral Occurrences compiled by

R.E. Meyers and W.A. Taylor,

REF PROPERTY NO.	NTS NUMBER	MINERAL ASSOCIATION	STRUCTURAL TENDENCY	VEIN/TYPE	CHARACTER	STRUCTURAL METALS PRECIOUS ACCESSORY MINERALS	ALTERATION CHARACTER	EXPL/PROD PERIOD (YRS)	SAMPLES/PROM SAMPLES/PERIOD (YRS)	# SELECTED REFERENCES		
001 ALI, BLACKHAWK	82L/64	Utm NICOLA	OZVW, SHR	MNU	AU	PY, PO, ASP, CP, ZA	FEBCAR, OXID	1899-1992 1992	16.7 G/T AU, 1.2M	AR15092		
002 AMT	82L/64	Utm NICOLA, SLOCAN	OZVW	MNU	AU, AG	ZL	LIM, OXID	1899-1992	16.7 G/T AU, 1.2M	AR15093		
003 GRAND TIMES	82L/64	Utm NICOLA, SLOCAN	HQ, D1, IP	OZVW, FRAC	MNU	AU, AG	PY, CP, SP, GL	CAB, SER, LIM	1899-80 1899 2 ADITS	AR1505, 15535		
004 SECDOM, OHA	82L/64	Utm NICOLA, SLOCAN	PO, PORPH	OZVW, FRAC	MNU	AG, AU	PY, CP, ZL, TT, MUL		1953-69 195 T 6 G/T AU, 433 G/T	AR12513		
005 VERA, OCTAGON, NW	82L/64	Utm NICOLA, SLOCAN	OZVW		AU, AG	PY, SP, TT, ZL, AGT	LIM	1922	2 T 31 G/T AU, 125 G/T	AR252, MAR1923, 33		
006 PATROLL	82L/64	Utm NICOLA, SLOCAN	FP, BYTES	OZVW	E-U	AG, AU	GL, CP, PT, SP	LIM, FEBCAR, S	1.4 G/T AU, 1217 G/T	AR1929, 30		
007 MITCHELL, COACHMAN	82L/64	Utm NICOLA, SLOCAN	OZVW	E-V	AG	PY, GL, CP, SP			308 G/T AG/CALC	AR1922		
008 LITTLE DUNCAN	82L/64	Utm NICOLA, SLOCAN	OZVW		AU, AG	ZL, CP				AR1899		
009 ISU GROUP	82L/64	Utm NICOLA, SLOCAN	D1, PORPH	OZVW		AU			1899	ASSOC PORPH, CL, HIND	AR1604	
010 BRENT	82L/64	Utm NICOLA, SLOCAN	OZVW		IM	AG	CP, MUL	LIM, SER	192 G/T AG-GRM	AR1923, 25		
011 BEVERLEY, PEGGY	82L/64	Utm NICOLA, SLOCAN	OZVW, STUK	N-S, E-U	AU, AG	PY, ZL, CP, TT			27 G/T AU, 1097 G/T	AR1934		
012 BLUE JAY	82L/64	Utm NICOLA, SLOCAN	OZVW, SHR, IM	N	AU, AG	CP, SP, CP, AS, STU	CLT, GRP		AGT, ZN, CHP			
013 JUMBO	82L/64	Utm NICOLA, SLOCAN	OZVW, FRAC	E-V, N-S	AU, AG	CP, SP, CP, AS, STU			49 T 7 G/T AU, 7.6 G/T	AR1900		
014 ROYAL, CARTWRIGHT	82L/64	Utm NICOLA, SLOCAN	OZVW		AG	GL, SP			1952	4 T 4.9 G/T AG	AR1929	
015 FALCON	82L/64	Utm NICOLA, SLOCAN	OZVW	N-S	AU, AG	PT, SP, CP			34 G/T AG-GRM	AR1923, 34		
016 KALAMALA	82L/64	Utm HARPER RANCH	D1, PORPH	OZVW, SHR, RX	HE	AG, AU	PY, ZL, CP, SP, CP	CAB, GRP	1953-44 6,592 T 13.7 G/T AU, 16.4G/T	AR1644		
017 IMPERIAL, BR. EMPIRE	82L/64	Utm HARPER RANCH	OZVW, FRAC	EML, VAR	AU, AG	PY, ZL, CP	GRPH, CL, SER, LIM	1903-20, 04	185 T 4.4 G/T AU, 3.3M	AR1615		
018 IRIS, THREE TRAMP	82L/64	Utm HARPER RANCH	OZVW, FRAC	E-U	AU, AG	PY, ZL, CP			1901 SHFT	AR1899, 1901, 05		
019 IRIS, ERREST	82L/64	Utm HARPER RANCH	OZVW	SHR	AU	CP				GSCHEN29		
020 RUBY GOLD	82L/64	Utm HARPER RANCH	OZVW	SHR	AU	PY				AR1897		
021 MORNING GLORY	82L/64	Utm HARPER RANCH	OZVW	SHR	AU	PY, CP			1899 SHFT, DRIFT	AR1899		
022 MACHELOR	82L/64	Utm HARPER RANCH	OZVW	SHR	AU	PY, CP				GSCHEN29		
023 WILLIAM, SALLY ANN	82L/64	Utm HARPER RANCH, EV	OZVW, SHR		AU	PY, CP				GSCHEN29		
024 MISSION HILL, BABY	82L/64	Utm HARPER RANCH	OZVW, SHR		AU	PY, CP	CAB		1928 ADIT	6.7 G/T AU, 176.8 G/T	AR1900	
025 SPIDER	82L/64	Utm HARPER RANCH	OZVW, SHR		AU, AG	CP, SP, GL, SP, MUL			1928 6.7 G/T AU, 105.6 G/T	AR1929, GSCHEN29		
026 JEWEL	82L/64	Utm HARPER RANCH	OZVW, EV, KALMODP	DIF, ST, MONZ	PT, FRAC, FLT	AU	MUL, AZ, CP, PY	HEM, LIM, ODE	14.9 G/T AU/TH	AR1502		
027 BRETT	82L/64	Utm HARPER RANCH	OZVW, EV, KALMODP	DIF, PY, DIF	OZVW, FRAC	MNU	AU, AG	PT, SP, MUL, ELEC	ILL, SER, SII, JAR	1966-88 DIF	25 T 1.8 G/T AU, 29,000M	AR1547, 15564
028 ZUMA	82L/64	Utm HARPER RANCH	OZVW, EV, KALMODP	DIF, PY, DIF	OZVW, FRAC	E-U	AU, AG	PT, CP, ZL, CP		1980	5 T 4.8 G/T AU, 42,521 G/T	AR1646, 15140
029 BOW SHIRE	82L/64	Utm HARPER RANCH	OZVW	SHR	AU	PY				MAJOR FIVE FAULT	GSCHEN29	
030 KOKOYKE	82L/64	Utm HARPER RANCH	OZVW	SHR	AU	PY, CP				GSCHEN29		
031 WHITE ELEPHANT	82L/64	Utm HARPER RANCH, EV	OZVW, POD	NNE	AU, AG	PY, CP, ZL, SCH			1928 ADIT	6.7 G/T AU, 176.8 G/T	AR1900	
032 MY VERON, JACK	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	CP, SP, GL, SP, MUL			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
033 STAR QUEEN, STAR	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	PY, CP, ZL, CP			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
034 HOME SWEET, DAHOME	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	PY, CP, ZL, CP			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
035 MAN	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	PY, CP			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
036 KAK SICKA	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	PY, CP			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
037 SILVER STAR	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
038 WHITE KNIGHT	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
039 FAIRVIEW	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
040 STEPHENSON	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
041 MORNING STAR	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
042 JOE RANDY	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
043 SMUGGLER, POMIS	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
044 TIDEWATER, FORTUNE	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
045 TORRES MARS	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
046 FREEM, GORD, KEN	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
047 STANDARD, SHOOTOUT	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
048 EMPIRE, OLIVER	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
049 SUZIE	82L/64	Utm HARPER RANCH	OZVW, SHR	SII, SII	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
050 DROFINO MT, NO. 100	82L/64	Utm SHOEMAKER	OZVW, SHR	N-E, S	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
051 GRANBRO, OROFINO	82L/64	Utm SHOEMAKER	OZVW, SHR	D1, CONTACT	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
052 NEW LAKES, SUMMIT	82L/64	Utm SHOEMAKER	OZVW, SHR	VAR	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
053 LOOKOUT, MT VILLE	82L/64	Utm SHOEMAKER	OZVW, SHR	VAR	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
054 GOLDEN ZONE	82L/64	Utm SHOEMAKER	OZVW, SHR	VAR	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
055 TUMTUM, BLACKHAWK	82L/64	Utm SHOEMAKER	OZVW, SHR	VAR	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
056 STAR OF HOPE	82L/64	Utm SHOEMAKER	OZVW, SHR	VAR	AU, AG	PY, CP, ZL, CP, AGT, TT			1928 6.7 G/T AU, 1.8 G/T	AR1930, GSCHEN29		
057 SUNRISE, SHERWOOD	82L/64	Utm SHOEMAKER	OZVW, SHR	VAR	AU, AG	PY, CP, ZL, CP, AGT, TT			1928			