GEOLOGICAL LEGEND

LAYERED ROCKS

QUATERNARY

Qal — *Unconsolidated glacial, fluvial and alluvial deposits*

TRIASSIC

TrS — **SLOCAN GROUP:** *Carbonate, argillite and slate*

PERMIAN TO CARBONIFEROUS

PK — **KASLO GROUP:** *Mafic volcanic rocks*

UPPER MISSISSIPPIAN TO(?) PERMIAN

uMM — **MILFORD GROUP:** *Argillite, limestone and quartzite*

DEVONIAN

Dmf — **Mount Forster Formation:** *Shale, limestone, quartzite and greenstone*

UPPER ORDOVICIAN TO MIDDLE SILURIAN

OSb — **Beaverfoot Formation:** *Dolomite with nodular chert, graphitic shale, sandstone and conglomerate in lower part*

CAMBRIAN TO DEVONIAN(?)
LARDEAU GROUP (lPL to lPi)

lPL — *Metasedimentary rocks unsubdivided*

lPb — **Broadview Formation:** *Limestone, phyllite and grit*

lPj — **Jowett Formation:** *Green phyllite and greenstone*

lPa — **Triune Formation:** *Dark siliceous phyllite and greenstone*
Ajax Formation: *Massive grey quartzite*
Sharon Creek Formation: *Dark siliceous phyllite*

lPi — **Index Formation:** *Micaceous schist and impure marble*

LOWER CAMBRIAN

lCb — **Badshot Formation (locally includes Mohican Formation):** *Marble, dolomite and limestone*

UPPER PROTEROZOIC TO LOWER CAMBRIAN

lCH — **HAMILL GROUP:** *Quartzite*

UPPER PROTEROZOIC (HADRYNIAN)
WINDERMERE SUPERGROUP

uPHC — **HORSETHIEF CREEK GROUP:** *Slate, quartz pebble conglomerate, sandstone, siltstone and limestone*

uPt — **Toby Formation:** *Conglomerate, siltstone and slate*

MIDDLE PROTEROZOIC (HELIKIAN)
PURCELL SUPERGROUP (mPmn to mPa1)

mPmn — **Mount Nelson Formation:** *Quartzite, dolomite and argillite*

mPdc — **Dutch Creek Formation (locally includes Gateway and Van Creek formations):** *Siltstone, argillite, quartzite and dolomite*

mPk — **Kitchener Formation:** *Dolomite, dolomitic siltstone and argillite*

mPc — **Creston Formation**
Upper: *Siltstone and argillite*
Middle: Siltstone, argillite and quartzite
Lower: *Argillite and siltstone*

mPa — **Aldridge Formation:** *Sedimentary rocks unsubdivided*

mPa3 — **Upper Aldridge Formation:** *Black argillite and siltstone; typically rusty weathering*

mPa2 — **Middle Aldridge Formation:** *Grey quartzite, quartz wacke, argillite and siltstone*

mPa1 — **Lower Aldridge Formation:** *Siltstone and quartzite*

INTRUSIVE ROCKS

CRETACEOUS

Kg — *Monzonite, commonly porphyritic, quartz monzonite and granodiorite*

MIDDLE JURASSIC

mJg — *Monzonite and quartz monzonite*

MIDDLE PROTEROZOIC

Pmi — **Moyie Intrusions:** *Quartz diorite and diorite*

Geological map and legend compiled from:

Fyles, J.T. (1964): Geology of the Duncan Lake Area, Lardeau District, British Columbia; *B.C. Ministry of Energy, Mines and Petroleum Resources*, Bulletin 49, 87 pages.

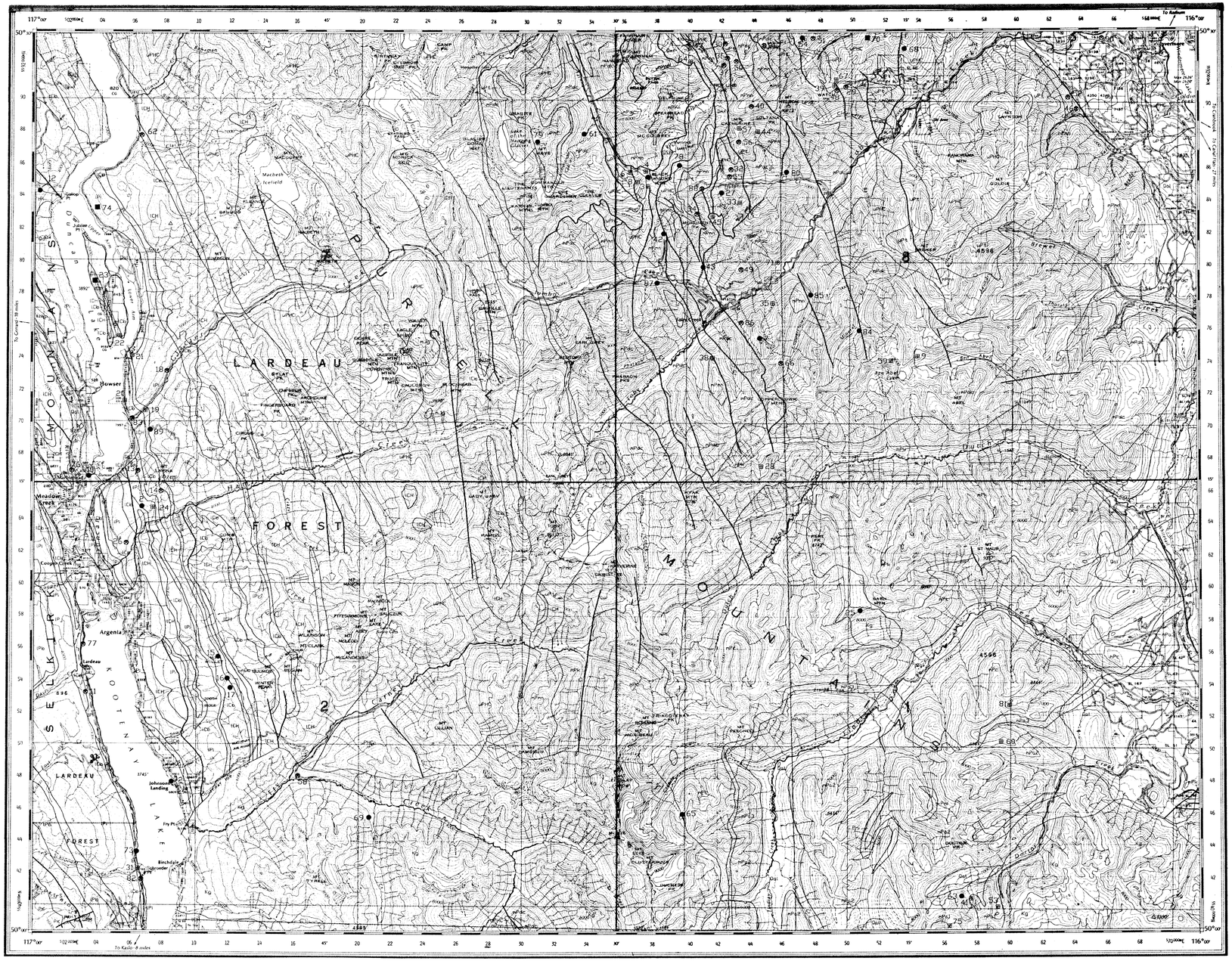
Hoy, T., Price, R.A., Legun, A., Grant, B. and Brown, D.A. (1995): Purcell Supergroup, Southeastern British Columbia Geological Compilation Map (NTS 82G, 82F/E, 82J/SW, 82K/SE); *B.C. Ministry of Energy, Mines and Petroleum Resources*, Geoscience Map 1995-1

McLaren, G., Stewart, G. and Lane, R. (1990): Geology and Mineral Occurrences of the Purcell Wilderness Conservancy, East Half; *B.C. Ministry of Energy, Mines and Petroleum Resources*, Open File 1990-20.

Pope, A. (1990): The Geology and Mineral Deposits of the Toby-Horsethief Creek Map Area, Northern Purcell Mountains, Southeast British Columbia (82K); *B.C. Ministry of Energy, Mines and Petroleum Resources*, Open File 1990-26.

Ressor, J.E. (1973): Geology of the Lardeau Map Area; *Geological Survey of Canada*, Memoir 369, 129 pages.

Positions of all geological contacts are approximate. In the case of an apparent disagreement between an occurrence's geological location on the map and its stratigraphic setting given in the MINFILE documentation, the latter should be given priority.



BC Ministry of Energy, Mines and Petroleum Resources

Geological Survey Branch

MINFILE MAP
NTS 082KSE
LARDEAU

This MINFILE release researched and compiled by:
G.J. Arseneau

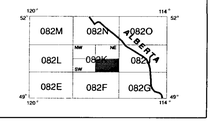
Date Revised: **January 1996**

Scale 1:100 000

0 2 4 6 8 10 kilometres

Total Number of Mineral Occurrences: 91

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



MAP LEGEND - 082KSE

MINFILE NUMBER	NAME	COMMODITIES
001	MINERAL KING	AG ZN PB BA CU CD
002	COPPER	AG CU ZN PB
003	COPPER KING (L.9988)	AG CU ZN PB
004	IMPERIAL (L.9993)	CU AG
005	BROKEN HILL (L.9992)	CU AG
006	GREAT NORTHERN (L.5358)	CU AG PB
007	SILVER SPRAY	AG PB ZN CU
008	BUTLER (L.9989)	AG CU ZN PB
009	ARGENTA	AG PB
010	LADY M	ZN PB
011	MOONSHINE (L.1881)	AG ZN PB AU CU
012	PRESIDENT (L.2006)	AG CU
013	MAG	AG PB ZN AU CU
014	LAVINA (L.3784)	AG PB ZN
015	SAL C	ZN PB
016	SAL A	ZN PB
017	SAL B	ZN PB
018	SURPRISE (L.6334)	AG ZN PB AU CU
019	DUNCAN (NO. 1)	ZN PB
020	DUNCAN (NO. 2)	ZN PB
021	DUNCAN (NO. 3)	ZN PB
022	DUNCAN (NO. 4)	ZN PB
023	DUNCAN (NO. 5 TO 8)	PB ZN CU AG
024	ARGENTA	ZN PB CU AG AU
025	ST.	CU WO MO
026	ST. PATRICK	AG PB ZN
027	RAO	AG PB ZN CU
028	DUTCHY	CU
029	PARADISE (L.4341)	PB ZN AG CD AU
030	PTARMIGAN	AG AU PB ZN
031	DEEP	AG PB ZN
032	DEEPHNE (L.4334)	AG PB ZN CU
033	KOOTENAY QUEEN	AG PB ZN CU
034	HOT PUNCH (L.5100)	AG PB ZN AU CU
035	DOMINION	AG PB ZN CU
036	IRON CAP (L.5347)	AG PB ZN CU
037	NIP AND TUCK	AG PB AU CU ZN CD SB
038	BALD EAGLE	AG PB ZN AU
039	WHITE CAT (L.7555)	AG PB CU
040	ST. ANTHONY	AG PB ZN CU
041	LISA	PB ZN
042	JUMBO	PB ZN CU
043	EXCELDA	AG AU PB ZN CU
044	SUNSET	AG AU CU
045	SUNRISE (L.9696)	PB AG CU
046	MAPLE	AG PB ZN
047	SILVER BELT	AG PB ZN
048	BLACK DIAMOND	AG PB ZN
049	MABEL R	AG PB
050	SITTING BULL (L.4097)	AG PB SB
051	LARRABEE	AG PB
052	SILVER KEY	AG PB CU
053	MAY	AG PB SB
054	M.T. FRACTION (L.10110)	AG CU PB ZN
055	B.C. (L.7732)	AG PB ZN
056	BEULAH	AG PB CU ZN AU
057	LOOKOUT	AG
058	SHELLY	AG CU
059	DOC	PB ZN CU
060	DOC	WO MO CU
061	BIG	PB ZN
062	DUNCAN LAKE QUARTZITE	WO ZN PB
063	ECHO LAKE	MO ZN PB AG
064	REDMAC	MO
065	IMP	AG
066	CHARLEMONT	AU PB ZN CU
067	COMET (L.4342)	CU AG AU
068	QUEEN RIDGE	MO
069	PEGLEG	MO
070	HAT	BA CU
071	DRAGON	CU AG
072	JOHNSONS LANDING	PB ZN
073	HI-LO	PB ZN CU WO
074	DUNCAN LAKE	TC MT
075	MAY	MO
076	MARBLEHEAD MARBLE	MB LS DS BS
077	LARDEAU	LS
078	BJ	AG PB ZN CU
079	HATSOFF	MO ZN
080	HIGH EAGLE	AU CU
081	ROCKY TOP	PB ZN AG
082	ALUMINA CREEK	MB
083	ALUMINA QUARTZITE	DS BS FS
084	BRYAN	AG CU
085	MORNING GLORY	CU AG
086	NETTIE M	AG AU PB CU
087	MIN 4	AG PB ZN CU
088	STAR	AG PB ZN CU
089	YOU	PB ZN
090	TOBY CREEK	AG PB
091	SILVER QUEEN	AG PB ZN CU

OPEN LEGEND — NIL CO CU

COMMODITY LEGEND

CODE INDEX		COMMODITY INDEX	
AG	Silver	Antimony	SB
AU	Gold	Barite	BA
BA	Barite	Building Stone	BS
BS	Building Stone	Cadmium	CD
CD	Cadmium	Copper	CU
CU	Copper	Dimension Stone	DS
DS	Dimension Stone	Fluorite	FS
FS	Fluorite	Gold	AU
LS	Limestone	Lead	PB
MB	Marble	Limestone	LS
MO	Molybdenum	Magnesite	MT
MT	Magnesite	Marble	MB
PB	Lead	Molybdenum	MO
SB	Antimony	Silver	AG
TC	Talc	Talc	TC
WO	Tungsten	Tungsten	WO
ZN	Zinc	Zinc	ZN

OCCURRENCES DELETED FROM PREVIOUS MAP RELEASES

OLD NUMBER	OLD NAME	REASON FOR DELETION
082KSE058	SHAMROCK	No in-situ bedrock mineralization
082KSE063	ACE	Same as 082KSE041
082KSE064	ALPHA	No in-situ bedrock mineralization