

**GEOLOGICAL LEGEND**

**BEDDED ROCKS**

**QUATERNARY DEPOSITS**

Qal Unconsolidated glaciofluvial deposits, till and alluvium

**MIOCENE/PLOCENE**

MvC CHILCOTIN GROUP: Non-marine 'plateau basalts'

**EOCENE**

EK KAMLOOPS GROUP: Mostly andesitic and basaltic volcanics and associated fluvial and lacustrine sediments (EKs)

**TRIASSIC/JURASSIC**

TrJN NICOLA GROUP: Mostly basic lavas and pyroclastics and sedimentary rocks including argillites and some limestones

TrJNV NICOLA GROUP VOLCANICS: Large mappable areas of intermediate and basic lavas and pyroclastic rocks, feeder intrusions, greenstones and chloritic schist

**DEVONIAN/TRIASSIC**

DTH, DTHv HARPER RANCH GROUP: Basement to Quesnelia comprising hemipelagic tuffaceous mudstone, chert, limestone and arc derived sandstone and conglomerate

**PROTEROZOIC/PALEOZOIC**

PPK KOOTENAY ASSEMBLAGE: Including Eagle Bay, Sicamous (PPKs) and Tsakom (PPKt) formations, that comprise quartz-mica schist, chloritic schist, phyllite, amphibolitic units and limestone

PSC SILVER CREEK FORMATION: Pericratonic rocks that include quartz sericite, biotite schist and gneiss

PM MONASHEE COMPLEX: Craton related rocks of the Monashee Complex including the Malton paragneiss

PgnS SHUSWAP TERRANE: part of the Monashee Complex affected by Tertiary metamorphism; includes crystalline schists, gneisses, stratified paragneiss

**INTRUSIVE ROCKS**

**TERTIARY(?)**

Tfg FOSTHALL INTRUSIONS: Biotite granite, quartz monzonite, leucocratic pegmatite, includes areas with <50% metamorphic rocks

**CRETACEOUS**

KTVg OKANAGAN BATHOLITH: Mostly massive granite and granodiorite; includes the Valhalla intrusions that grade into Nelson plutonic rocks

KW WHATSHAN BATHOLITH: Discordant, light-colored quartz monzonite and granodiorite

**JURASSIC**

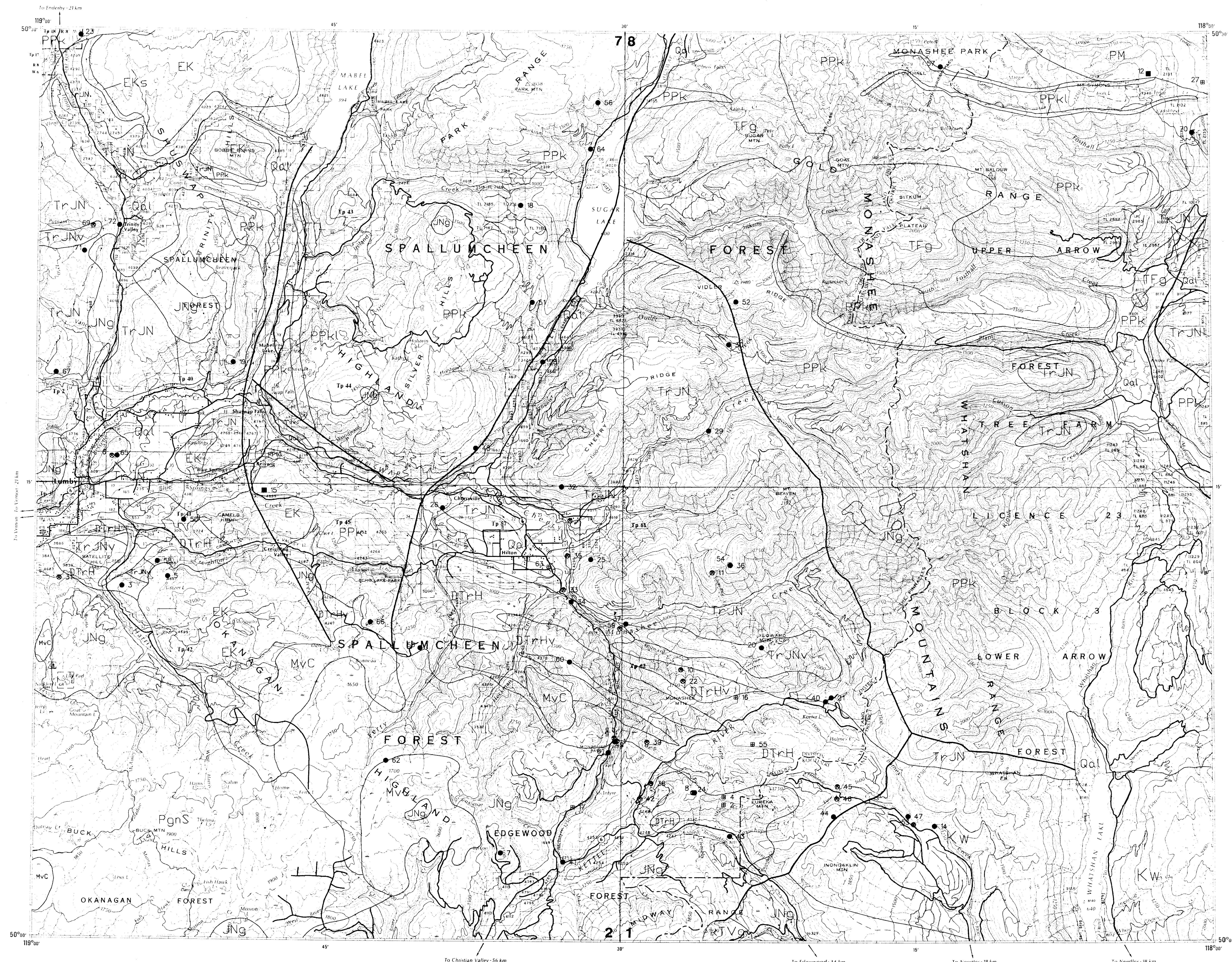
JNg NELSON INTRUSIONS: Hornblende-biotite granodiorite, diorite and granite; generally moderately foliated

Geological compilation by Neil Church based on the following references:

- Jones, A.G. (1959): Vernon Map-area, British Columbia, Geological Survey of Canada, Memoir 296.
- Okulitch, A.V. (1978): Thompson-Shuswap-Okanagan, British Columbia, Geological Survey of Canada, Open File Map 637.
- Wheeler, J.O. and McFay, P. (1991): Tectonic Assemblage Map of the Canadian Cordillera and Adjacent parts of the United States of America Geological Survey of Canada, Map 1712A, 1:2 000 000.

**COMMODITY LEGEND**

CODE INDEX	COMMODITY INDEX	COMMODITY INDEX
AG	Silver	Antimony
AU	Gold	Copper
CU	Copper	Feldspar
FD	Feldspar	Garnet
GN	Garnet	Gold
GT	Graphite	Graphite
KY	Kyanite	Kyanite
LS	Limestone	Lead
MA	Magnetite	Limestone
MI	Mica	Magnetite
MO	Molybdenum	Mica
PB	Lead	Molybdenum
RE	Rare Earths	Rare Earths
SB	Antimony	Sillimanite
SL	Sillimanite	Silver
TH	Thorium	Thorium
UR	Uranium	Uranium
ZN	Zinc	Zinc



BCA  
Ministry of Energy, Mines and Petroleum Resources

Geological Survey Branch

**MINFILE MAPS  
NTS 082LSE  
SUGAR LAKE**

This MINFILE release researched and compiled by:  
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Date Revised: **January, 1995**  
Scale **1:100 000**

Km 0 1 2 3 4 5 6 7 8 Km

**Total Number of Mineral Occurrences: 72**

Status	82LNW	82LNE	82KNW
Producer			
Post Producer			
Developed Prospect			
Prospect			
Shooting			

**MAP LEGEND - 082LSE**

MINFILE NUMBER	NAME	COMMODITIES
001	MONASHEE	AG AU PB ZN CU
002	PARADISE	AG AU
003	BLUESBIRD	AU AG
004	RENOVIX	AU AG
005	VAL	UR ZN
006	LUMBY(CHAPUT)	CU MO
007	BISSON LAKE	AU AG PB ZN
008	PALADORA(L.2153)	AU AG PB ZN
009	MCPHAIL	AU AG PB ZN SB CU
010	ST PAUL	AG AU PB ZN SB CU
011	SILVER BELL(L.4329)	AG AU PB ZN
012	BIG LEDGE	ZN PB CU
013	CHERRY CREEK PLACER	AU
014	FRED	ZN AG
015	LUMBY FELDSPAR	FD UR TH RS
016	DONA	AG AU PB ZN CU SB
017	TOP	AU AG
018	A 4	CU AG ZN
019	SH 1-15	UR
020	FOX	AG PB AU CU
021	KL	AU AG
022	MORGAN	AU AG PB ZN
023	EF	AG PB CU
024	BALLARAT	AU AG CU
025	EXCELSIOR	PB AG
026	UNICORN	PB
027	CASEY 7	AG ZN PB
028	SHUSWAP RIVER	CU
029	CHERRY	AU
030	ZINCOP (BUSTER)	CU
031	HARRIS CREEK	AU
032	BLUE CROSS	ZN PB
033	HECKMAN CREEK	AU AG
034	OLD JOE	AG AU PB
035	TRUE BLUE	AG ZN AU PB
036	JGR	AG AU CU
037	YEWWARD CREEK	AU
038	NO NAME	AU
039	MARSH CREEK	AU
040	ROSE	AU AG
041	MONTYRE CREEK	AU
042	KETTLE RIVER	AU
043	INDOAKLIN CREEK	AU
044	EUREKA	AU
045	HOLDING CREEK	AU
046	EUREKA CREEK	AU
047	FRED WEST	ZN
048	CHERRYVILLE	MI
049	MONASHEE PASS	LS
050	CAMEL'S HUMP	LS
051	SUGAR LAKE ONE	KY
052	SUGAR LAKE TWO	KY
053	BARNES CREEK	AU
054	LYNX	AG AU PB CU
055	LAF	AU AG CU MO PB SB
056	THOR ODIN	CU ZN AU
057	CREIGHTON VALLEY	SL GN
058	MONASHEE CREEK PLACER	LS
059	PITA 2	AU
060	PITA 29	PB CU MA
061	MO	MO
062	COAL 1	AU AG PB ZN
063	MIDNIGHT NAILS 1-2	CU
064	DIONNE	CU
065	B.S. 3	AU AG PB ZN CU
066	ECHO II	AU AG
067	OK	CU ZN AU
068	BONNE 1	AU AG
069	AMF	AU
070	PUTNAM CREEK	CU AG
071	PUTNAM	PB
072	BRIAN	AU