

GEOLOGICAL LEGEND

ROCKY MOUNTAIN TRENCH AND Omineca Mountains

STRATIFIED ROCKS

- CENOZOIC**
- QUATERNARY**
- PLEISTOCENE AND RECENT
- Qa Alluvium, sand, gravel
- MESOZOIC AND CENOZOIC**
- UPPER CRETACEOUS TO TERTIARY
- KTs Sandstone, conglomerate, siltstone, shale, coal (includes Susat Group, Sifton Formation)
- LOWER JURASSIC TO LOWER TERTIARY
- JTs USLIKA FORMATION: Boulder conglomerate, lesser sandstone

- MESOZOIC**
- UPPER TRIASSIC TO LOWER JURASSIC
- TJs TAKLA GROUP: Basalt, agglomerate, tuff, tuffaceous siltstone, argillite, and minor limestone (includes Pughat Mountain Formation, Quesnellia terrane)

- PALEOZOIC**
- PENNSYLVANIAN TO PERMAN
- PPms NINA CREEK GROUP: Massive to pillowed basalt, gabbro, wacke, felsic tuff (Pillow Ridge and Mount Howell Formations, Slide Mountain terrane)
- MISSISSIPPIAN TO PERMAN
- MPms LAY RANGE ASSEMBLAGE: Tuff, agglomerate, basalt, argillite, gabbro, serpentinite, phyllite, sandstone, chert, limestone (Harper Ranch terrane)

- PROTEROZOIC AND PALEOZOIC**
- HADRYNNIAN TO LOWER MISSISSIPPIAN
- HM- BIG CREEK GROUP, ATAN GROUP, RAZORBACK GROUP, ECHO LAKE GROUP, OTTER LAKES GROUP, INGENIKA GROUP (STELKUZ, ESPEE, TSAYD AND SWANELL FORMATIONS): Slate, argillite, limestone, dolomite, quartzite, pelitic schist, phyllite, siltstone (includes the Wolverine Metamorphic Complex, Cassiar terrane)

INTRUSIVE ROCKS

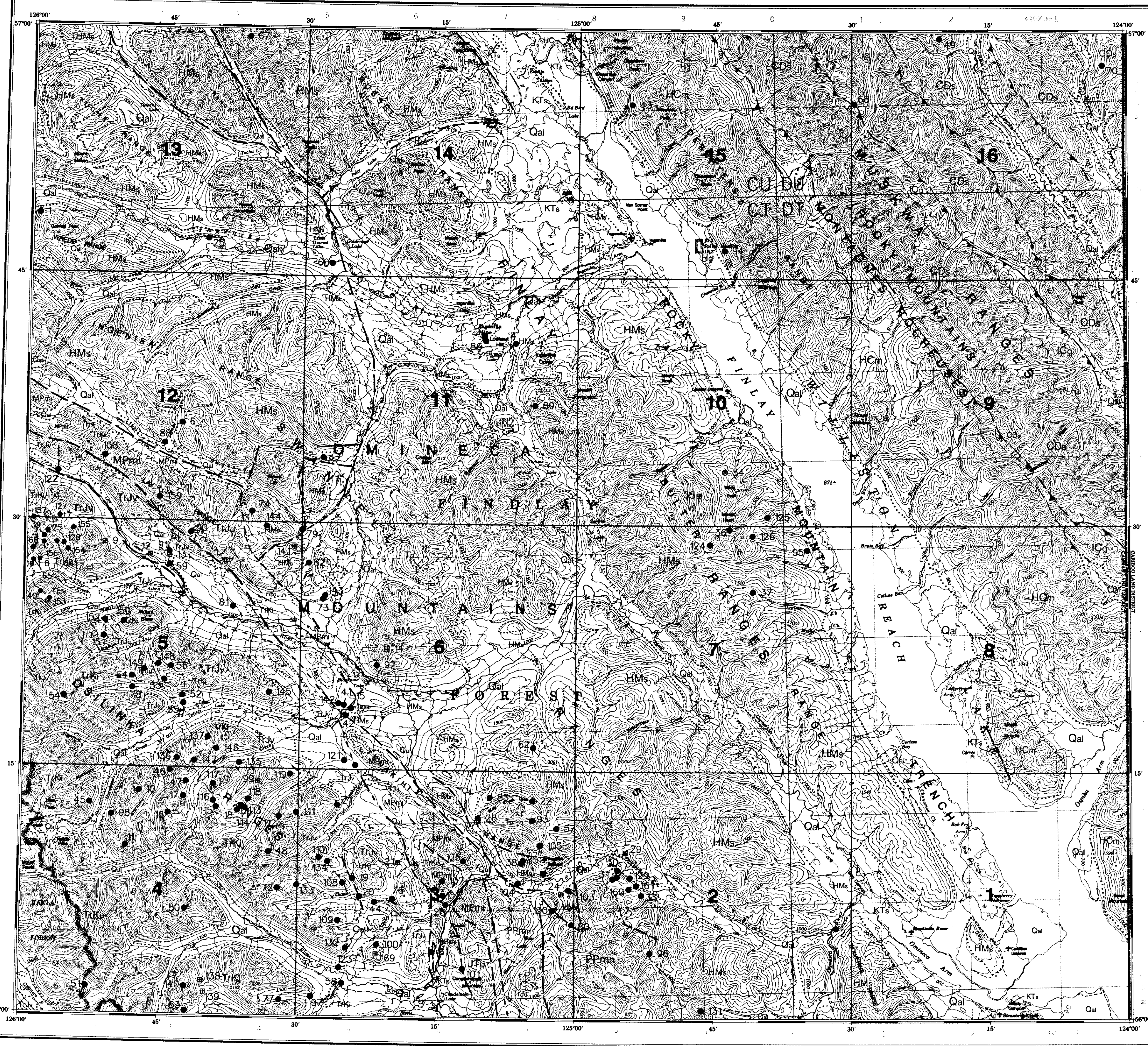
- CENOZOIC**
- TERTIARY (?)
- Ts Feldspar porphyry, diorite, granophyre, diorite, (hypabyssal intrusions in Ingenika Group and younger rocks)
- MESOZOIC**
- LATE TRIASSIC TO CRETACEOUS
- Tyk Omineca intrusions: Monzonite, quartz monzonite, syenite, quartz syenite, granodiorite, quartz diorite, diorite (includes Hogen Intrusive Complex and satellite bodies)
- MIDDLE TRIASSIC TO LOWER JURASSIC (?)
- Trjs ALASKAN-TYPE ULTRAMAFIC BODIES: Peridotite, dunite, pyroxenite, gabbro, hornblende, serpentinite (includes Polaris and Wasi Lake Complexes and several small bodies near the eastern margin of the Hogen Intrusive Complex)

ROCKY MOUNTAINS

STRATIFIED ROCKS

- CENOZOIC**
- QUATERNARY**
- PLEISTOCENE AND RECENT
- Qa Alluvium, sand, gravel
- PALEOZOIC**
- MIDDLE CAMBRIAN TO MIDDLE DEVONIAN
- CDs Fine clastic sedimentary rocks with narrow carbonaceous units (shale, quartzite, limestone, dolomite, siltstone; includes Dunedin Formation, Road River Group, and Kechnika Group (Mount April Formation))
- LOWER CAMBRIAN
- ICg ATAN (GOG) GROUP: Sandstone, quartzite, shale, siltstone, limestone (locally with archeocyathids), dolomite
- PROTEROZOIC TO PALEOZOIC**
- MIDDLE CAMBRIAN
- HC- MISINCHINKA GROUP: Phyllite, slate, chlorite phyllite, garnet-mica schist, calcareous sericite schist, schistose siltstone, gneiss, pebble conglomerate
- Hg DESERTERS GNEISS: Granitic gneiss basement (726 Ma)

Geological map and legend derived from:
 Roots, E.F. (1954). Geology and Mineral Deposits of Alena Lake Map Area, British Columbia, Geological Survey of Canada, Memoir 274.
 Galbraith, H. (1975). Geology of Fort Graham, East Half, Map Area, British Columbia, Geological Survey of Canada, Paper 75-33.
 Furl, F., Duda, S. and Res, C. (1980). Geology of the Ulika Lake area, northern Queen's Trough, B.C. (94C/3.4.6). B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1980-1, pp. 127-136.
 Many, J.L. and Gabriel, H. (1979). Stratigraphy, terminology, and correlation of Upper Proterozoic rocks in the Omineca and Cassiar Mountains, north-western British Columbia, Geological Survey of Canada, Paper 79-19.
 Eisenhuth, C.A. (1988). Stratigraphy, metamorphism, structure and their tectonic implications in the Sifton and Inverness Ranges, Cassiar and Northern Rocky Mountains, northern British Columbia, Geological Survey of Canada, Bulletin 376.



BC Ministry of Energy, Mines and Petroleum Resources

Geological Survey Branch

MINFILE MAP NTS 094C MESILINKA RIVER

This MINFILE release researched and compiled by:
 R.H. McMillan, Fox Geological Consultants Ltd., G.J. Fayie and S. Duda

Date Revised: September 1992
 Scale 1:250 000

Total Number of Mineral Occurrences: 161

Status	094E	094F	094G
Producer	094D	094C	094B
Past Producer	093M	093N	093O
Developed Prospect			
Prospect			
Showing			

MAP LEGEND - 094C

MINFILE NUMBER	NAME	COMMODITIES
001	INGENIKA	AU PB ZN CU
002	FERGUSON	AG PB ZN CU
003	OSWARD	CU ZN
004	BURDEN	CU AG ZN CU AU
005	SWANELL	PB ZN AG CU AU
006	ORION	PB
007	POPPHRY CREEK	CU AU MO PB ZN
008	GRANITE BASIN	AU CU MO
009	EST	CU
010	GI	CU
011	WALTER	CU AG CU PB ZN
012	POLARIS	AU CU MO
013	HORE	CU MO
014	STRANGLER	CU AG
015	ELIZABETH	CU AG
016	MALTELO	CU AG
017	TULSA	CU AU
020	THANE	CU
021	VEGA	AG PB ZN CU AU MO
022	RUBY	CU
023	REVELLY	CU
024	PAB	ZN
025	JAN RA CREEK	AU
026	OMINECA RIVER	AU
027	CHILDHOOD DREAM	PB
028	DAVIES ELIZABETH	PB
029	MOLLY	ZN AG AU
030	OWEN	PB ZN
031	GARDNER	ZN PB
032	FAMILY FARM	ME GS
033	RAVENAL	ME GS
034	RUBY CREEK	ME GS
035	REGEN	PB AG
036	BIG CREEK	CU MO
037	MERCURY 2	ME GS
038	MERCURY 1	ME GS
039	THANE CREEK	CU
040	HORNWAY CREEK	CU
041	YACHTA CREEK	CU
042	MATTEL CREEK	CU
043	TERANIK CREEK	CU
044	REGEN	CU
045	HOSEM COPPER	CU
046	DETH CREEK	CU
047	TUTTIZ COPPER	CU
048	ABRAHAM CREEK	CU
049	TUTTIZ LEAD	CU
050	IZZAT	CU
051	MAHA CREEK	CU
052	POLARIS ZINC	CU
053	PELLY CREEK PLACER	CU
054	USLIKA COAL	CU
055	NEVE	CU MO ZN AG
056	DOVE	CU
057	GRINDE NORTH	CU
058	POPPHRY CREEK MOLYBDENUM	CU
059	GREYSON NORTH	CU
060	PELLY CREEK COPPER	CU
061	CHOWA CREEK	CU
062	CA	CU
063	PKA	CU
064	GAIL	CU MO
065	SWAN	CU
066	RABN	PB ZN AG BA
067	SARAH	CU
068	DAVE	CU
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MAP LEGEND - 094C

MINFILE NUMBER	NAME	COMMODITIES
111	SNOW	CU
112	DM	CU
113	KOALA	CU
114	RITKIP	CU
115	BELL	CU
116	YTEL	CU
117	DRAGON	CU
118	COHEN	CU
119	CE	CU
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COMMODITY LEGEND

CODE INDEX	COMMODITY INDEX
AB	Asbestos
AG	Silver
AU	Gold
BA	Barite
CH	Chrysotile
CR	Chromite
CO	Cobalt
CU	Copper
EN	Enstatite
FE	Iron
GS	Garnet
GR	Graphite
HT	Hornblende
IN	Iron
IS	Iron
KA	Kyanite
LS	Limestone
ME	Muscovite
MO	Molybdenum
MS	Mica
MT	Magnetite
NI	Nickel
OR	Ore
PE	Potassium Nitrate
PL	Pyrite
PS	Potassium
SI	Silica
SL	Sulfur
WO	Wolframite
ZN	Zinc