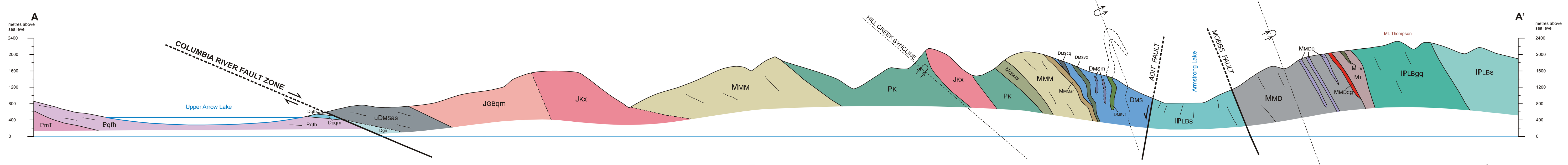

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REFERENCES

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2001: Crustal-scale rheological transitions during late-orogenic collapse. Tectonophysics, v. 335, pp. 211-228.

Wheeler, J.O.
1966: Eastern tectonic belt of western Cordillera in British Columbia. In Tectonic history and mineral deposits of the western Cordillera. Canadian Institute of Mining and Metallurgy Special Volume 8, pp. 27-45.

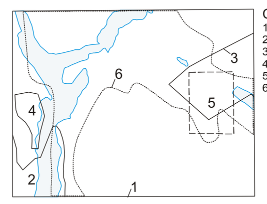
Canadian Geochronology Knowledgebase: http://gdr.nrcan.gc.ca/geochron/index_e.php

MINERAL OCCURRENCE INDEX

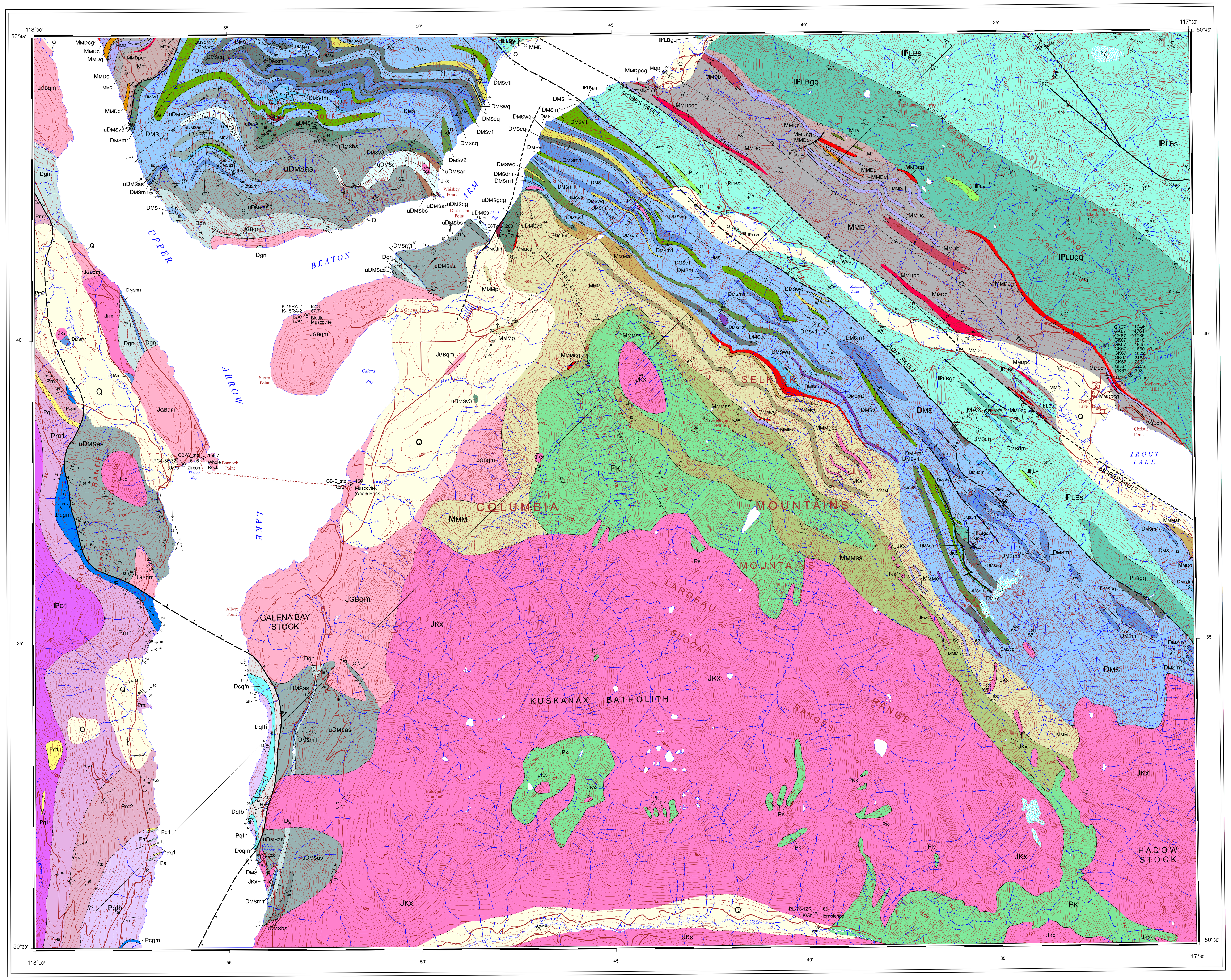
MINFILE #	NAME	COMMODITY
082KNW002	STAUBERT LAKE	PB,ZN
082KNW003	LUCKY BOY (L.5423)	AG,PB,CU,ZN,WO,AU,MO
082KNW004	COPPER CHIEF (L.4584)	AG,PB,CU,WO,ZN,MO,AU
082KNW005	FISSURE	AG,CU,ZN,FE
082KNW030	TRUE FISSURE (L.1097)	AG,PB,ZN,AU,CU
082KNW040	BEATRICE (L.4586)	AG,PB,ZN,AU
082KNW059	ETHEL	AG,PB,ZN
082KNW061	GREAT NORTHERN (L.1099)	AG,AU,PB,ZN,CU
082KNW062	ST. ELMO, (L.4581)	AG,AU,PB,ZN,CU
082KNW087	MAX	MO,WO,PB,ZN,CU
082KNW088	VMS 9	CU
082KNW089	VMS 19, 20	CU
082KNW090	VMS 21	PB,ZN,CU
082KNW091	VMS 23	PB,ZN,MO
082KNW092	VMS 1	PB,ZN,AG
082KNW093	VMS 2	PB,ZN,MO,AG
082KNW096	MURRAY	CU,AU,PB,ZN
082KNW097	MIKE	PB,ZN,AG,AU
082KNW101	SILVER DOLLAR	AG,PB,ZN,AU,CU
082KNW105	MAR	MO,PB
082KNW123	HOMESTAKE	PB
082KNW127	GILLMAN	AU,AG,PB,ZN
082KNW131	MO,UNTAIN BOY (L. 2495)	AG,PB
082KNW136	IRON DOLLAR (L.7059)	PB,AU,AG,CU
082KNW147	CRAIG	AG,PB,AU
082KNW149	RAINY DAY	CU
082KNW189	ROYAL CANADIAN	AU
082KNW213	GREAT WESTERN (L.4503)	PB,AG
082KNW224	UPPER ARROW TALC	TC
082KNW226	SIDMO,UTH	LS,MB,BS
082KNW228	RATH	PB,ZN,AG
082KNW229	LEMAR	MO
082KNW230	POLLMAN CREEK	PB
082KNW231	STAU,BERT TRENCH	PB,ZN
082KNW233	HALCYON HOT SPRINGS	HS
082KNW234	HALFWAY RIVER HOTSPRINGS	HS
082KNW235	UPPER HALFWAY RIVER HOTSPRINGS	HS
082KSW099	PINGSTON	ZN,AG,PB,CU

*Abbreviations for commodities: AG – silver; AU - gold; BS - building stone; CU - copper; FE - iron; HS - hotspring; LS - limestone; MB - marble; MO - molybdenum; PB - lead; SB - antimony; TC - talc SN - tin; TC - talc; TE - tellurium; WO - tungsten; ZN - zinc

Source: British Columbia Ministry of Energy and Mines, MINFILE database available at: http://www.em.gov.bc.ca/Mining/Geolsurv/Minfile/



COMPILATION SOURCES:
1. Read and Wheeler (1976)
2. Reesor and Moore (1971)
3. Fyles and Eastwood (1962)
4. Kraft (2005)
5. Read et al. (2009)
6. Kraft (2011)



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OPEN FILE 6574

GEOLOGY

BEATON

BRITISH COLUMBIA

Scale 1:50 000/Échelle 1/50 000

Compilers: J.L. Kraft, R.I. Thompson and P. Dhesi

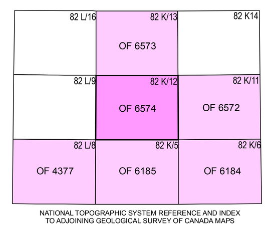
Geological compilation by R.I. Thompson, 2002 and J. Kraft, 2010

Digital cartography by P. Dhesi, Geological Survey of Canada, Pacific Division

Any revisions or additional information known to the user would be welcomed by the Geological Survey of Canada

Universal Transverse Mercator Projection, North American Datum 1983

Elevations in metres above mean sea level



SYMBOLS

LEGEND

ROCKS WEST OF COLUMBIA RIVER FAULT ZONE

DEVONIAN

Dqfb	Silver Creek Schist?: purplish biotite-feldspar-quartz schist with or without muscovite, garnet and sillimanite; minor white to grey marble and amphibolitic schist
Dcqm	Calcareous Quartzite Marker (Chase Quartzite?): pitted, calcareous quartzite; diopside-bearing calcareous quartzite; quartzite; marble

PROTEROZOIC (TO PALEOZOIC?)

Pqfh	Biotite-quartz-feldspar schist (with or without sillimanite, garnet); feldspar-quartz-hornblende schist (with or without biotite); amphibolite; calc-silicate gneiss; micaceous quartzite (map units M and F of Reesor and Moore, 1971)
Pa	Amphibolite; maybe interlayered with biotite schist and biotite-quartz-feldspar paragneiss (unit M8 of Reesor and Moore, 1971)
Pcgm	Marble (unit M7 of Reesor)
Pm2	Biotite-quartz-feldspar paragneiss characterized by lenses and boudins of garnetiferous amphibolite; extensive lenticular masses of pegmatite
Pm1	Biotite-quartz-feldspar paragneiss; sillimanite-biotite-garnet schist; garnet-quartz-feldspar gneiss
Pq1	Quartzite (unit M3a of Reesor and Moore, 1971)

PROTEROZOIC
PALEOPROTEROZOIC
MONASHEE COMPLEX

PPc1	Layered gneisses; biotite-quartz-feldspar gneiss (unit C1 of Reesor and Moore, 1971)

COLUMBIA RIVER FAULT ZONE

DESCRIPTIVE NOTES

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2011

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