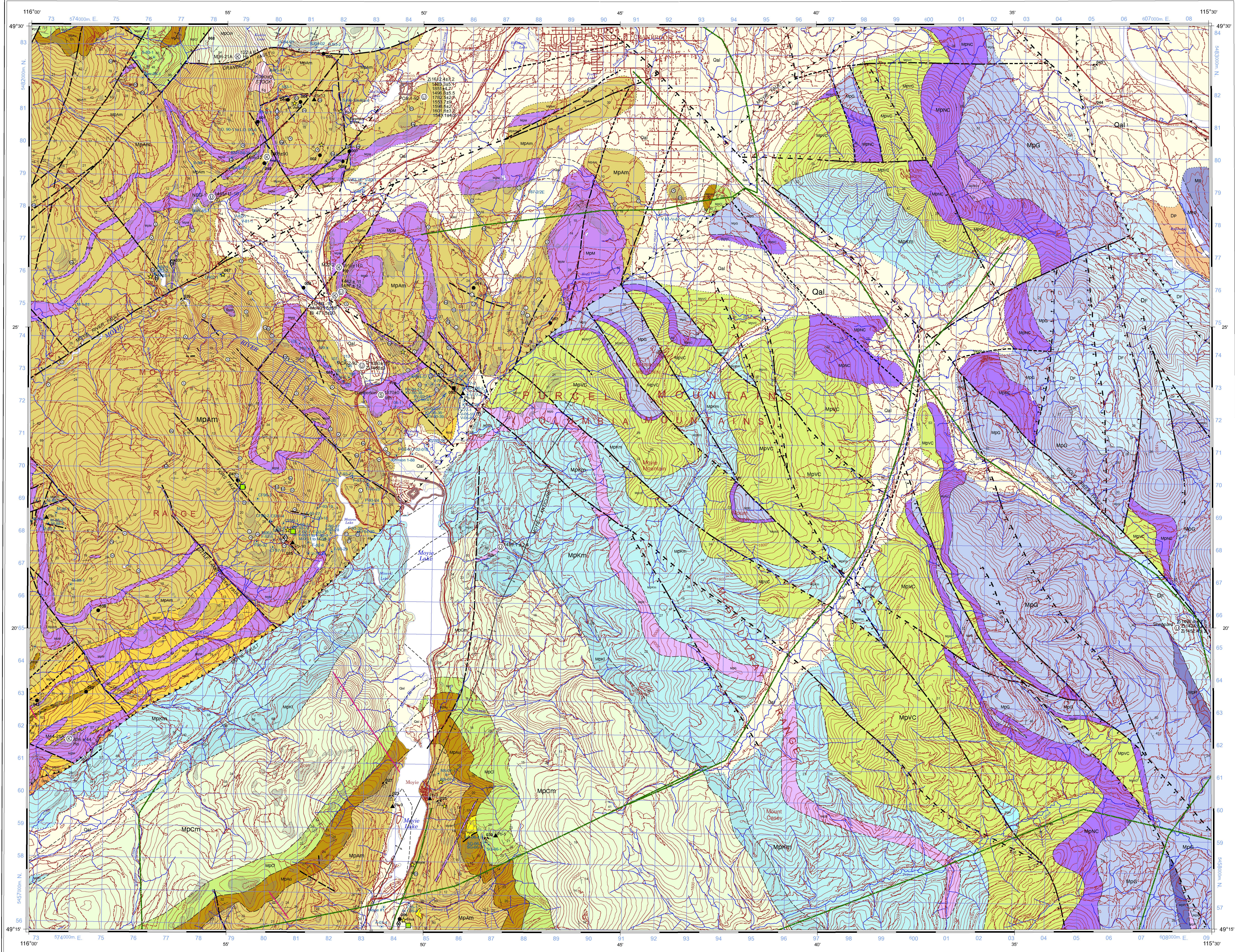
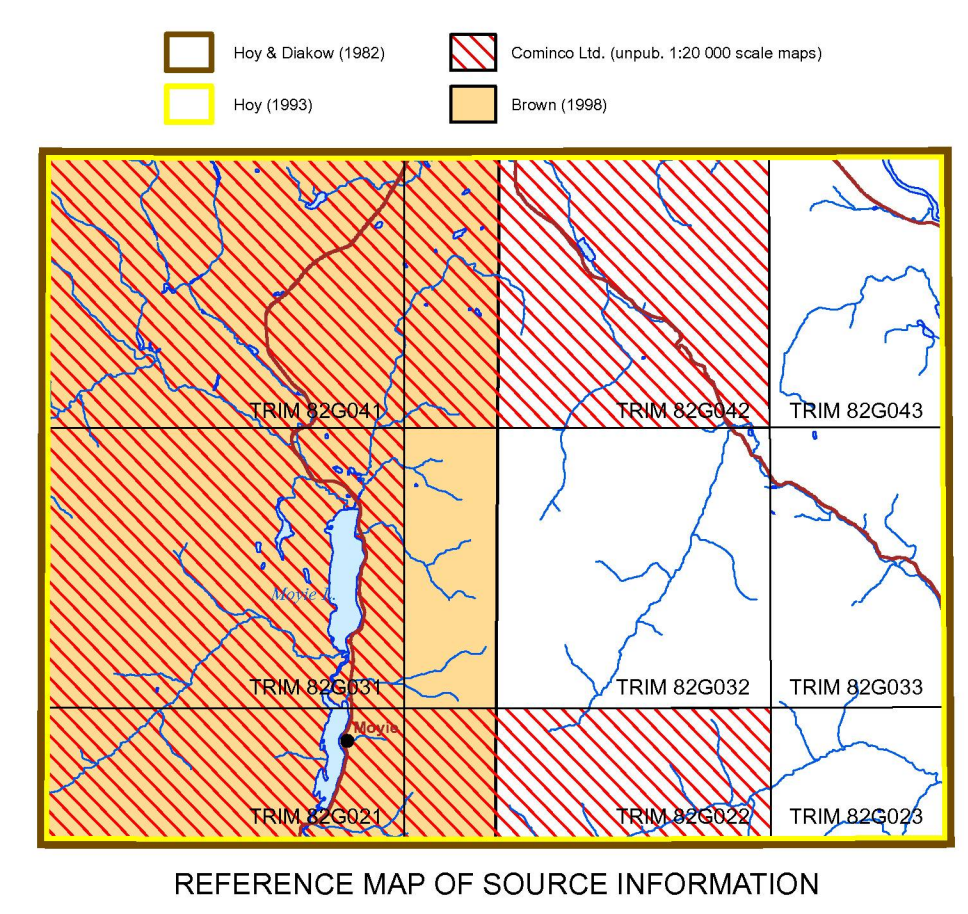
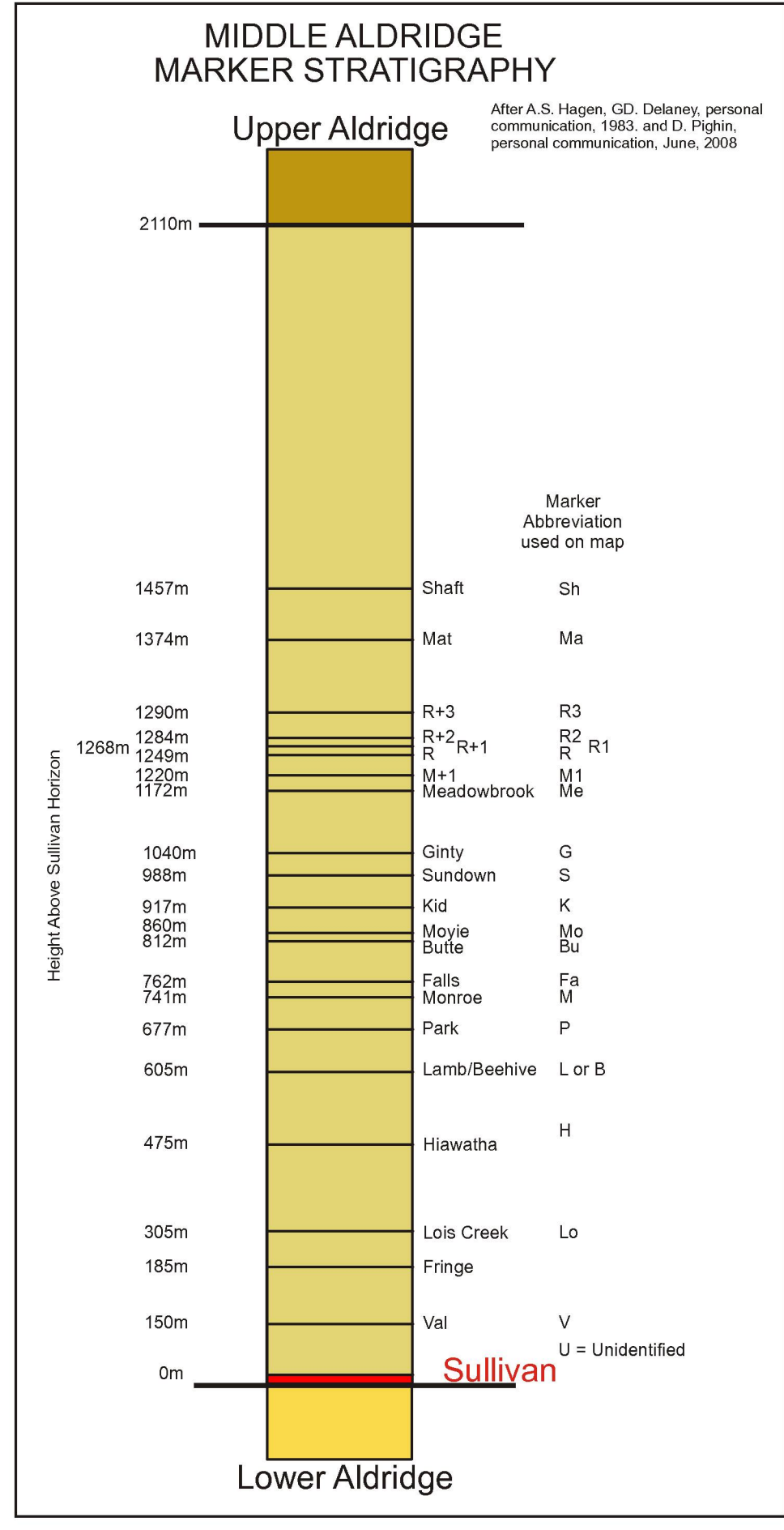


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LAYERED ROCKS

CENOZOIC QUATERNARY
 Qal Unconsolidated outwash, alluvium, colluvium and fill

PALEOZOIC CARBONIFEROUS MISSISSIPPIAN RUNCLE GROUP
 MR1 Mostly dolomite and limestone, cherty toward the top.
 MEB ME - Bevil Formation: Thin bedded, platy, laminated dolomite and limestone; cherty layers ME - Eshaw Formation: Carbonaceous platy shale, gneiss.

DEVONIAN UPPER DEVONIAN PALLISER FORMATION
 DP Buff, yellow and grey, banded and modular argillaceous limestone with siltstone interbeds.
 DP FAIRHOLME GROUP: Limestone, dolomite, platy and argillaceous; siltstone, orthoquartzite and laminated argillaceous; buff, grey siltstone and minor siltstone with possible arenosiltites.
 DEVONIAN (?) DPE Positive Conglomerate: Polymictic conglomerate.

PROTEROZOIC MESOPROTEROZOIC (HELKIAN) PURCELL SUPERGROUP RUNCLE FORMATION
 MPR Mazonian micaceous siltstone, quartz waste and argillite.
 MPG Unidentified.
 MPRNIC Unidentified volcanic rocks. Massive to amygdaloidal basalt to andesite lava flows, volcanic sandstone, siltite.
 MPRNCS Volcaniclastic siltstone, fine quartz waste.
 VAN CREEK FORMATION MPRVC Pale green, laminated siltite and argillaceous siltite and quartz waste. Minor ripple marks, laminar bedding, few tabular muscovites.
 KITCHENER FORMATION MPRK Unidentified.
 MPRKM MIDDLE: Dolomitic siltstone, dolomitic argillite, dolomite, commonly buff weathering; argillite, siltstone, quartzite, molar tooth texture; green lined dolomitic siltstone near base.
 MPRKL LOWER: Green, beige siltstone, dark grey argillite; dolomitic siltstone.
 CRESTON FORMATION MPRC Unidentified.
 MPRCM MIDDLE: light grey, massive, purple, thin to medium-bedded quartz arenite, quartz waste, lesser grey siltite and argillite. White quartzite interbeds. Laminar bedding, ripple, cross-bedding and mudcracks.
 MPRCL LOWER: waxy green to olive with few weathering surfaces, thin to thick-bedded to laminated argillite and siltite. Lesser fine grained quartz waste. Wavy bedding and abundant mudcracks.

ALDRIDGE FORMATION
 MPA Unidentified.
 MPAIR Sedimentary fragmental: stratiform to discordant; matrix to framework supported; angular to rounded clasts; fine-grained quartz waste fragments; fragment sizes vary from <2cm to >2m, interpreted to be syn-sedimentary debris flows, dewatering structures, mud volcanoes, and hydrothermal breccias.
 MPAUR UPPER: rusty brown weathering; grey to dark grey, fine to platy, laminated silty argillite, siltite.
 MPAAM MIDDLE: grey to rusty weathering; thick to thin-bedded, quartzofeldspathic waste, intercalated argillite and siltite.
 MPAI LOWER: rusty brown weathering; thin to medium-bedded, quartz waste, quartz arenite.

INTRUSIVE ROCKS
 MESOZOIC CRETACEOUS Kg Massive, fine to medium-grained biotite monzogranite.
 PROTEROZOIC MESOPROTEROZOIC (HELKIAN) MESOHELKIAN POST-ANDYIE INTRUSIONS MPP Mafic silt and rare dikes hosted in Kitchener Formation. Olive green, massive to plagioclase porphyritic.
 MOYIE INTRUSIONS MPM "Moyie Silt" Dark green to black, medium to fine-grained gabbro and hornblende quartz diorite silt and rarer dike. Zircon U-Pb dates circa 1487 Ma (Anderson and Davis, 1995).

SYMBOLS
 Geological contact defined, approximate, assumed...
 Outcrop: Quaternary limit of cover...
 Fault: defined, approximate, assumed...
 Fault: thrust (both on upthrust side) defined, approximate, assumed...
 Fault: normal (both side indicates downthrown side) defined, approximate, assumed...
 Bedding: horizontal, inclined, vertical...
 Bedding: facing direction known...
 Foliation: schistosity, fracture cleavage: inclined, vertical...
 Lineation: undefined, mineral, intersection (S/S)...
 Sedimentary fragmentals (isolated exposures)...
 Thrustalite: outcrop, stratiform, discordant, fault...
 Albitic alteration...
 Marker locality (see index for abbreviations)...
 Geochronology sample: Age Method Air/Ar, K/Ar, Rb/Sr, U/Pb, U/Pb, (Sample number, Age, Mineral marked as shown)...
 Lead 210 age...
 Mapped mineral occurrence (see table) producer: past producer, developed prospect, prospect, showing, anomaly...
 Alt. drill hole with reference number (see Joseph et al., 2010)...
 Stromatolites...
 Fossil locality...
 Anticline, syncline (trace of axial surface)...
 Overturned anticline, syncline (trace of axial surface)...
 Marker horizon projection: defined, approximate, assumed...
 Approximate location of seismic line...
 Location of measured stratigraphic column with name: point of section, section line...
 Provincial Park Boundary

TABLE OF MINFILE OCCURRENCES

MINFILE NO.	NAME	STATUS	COORDINATES
8201001	NORO	Showing	AD PE ZN CU AG
8201002	JR PE	Showing	PE
8201003	BEET	Showing	SI ALU
8201004	B.V.	Showing	PE ZN AG
8201005	JM A	Showing	PE
8201006	JM A	Showing	PE
8201007	LUMARTON	Showing	WZ PE ZN CU
8201008	AUSTON (W)	Feasible Prospect	PE ZN AG
8201009	ST EUGENE (L SH)	Feasible Prospect	AD PE ZN ALU
8201010	SUNOON (L 177)	Feasible Prospect	PE ZN AG
8201011	ROOBY (B) (L 446)	Feasible Prospect	AL AG ZN CR
8201012	ROOBY	Prospect	PE ZN AG SI PE WD
8201013	RW (L 1 392)	Feasible Prospect	AL AG CU PE
8201014	PEE (E)	Showing	PE
8201015	MOCKLE	Feasible Prospect	AG
8201016	BACKER	Showing	PE ZN AG
8201017	PEE (E 2)	Showing	PE
8201018	PEE (E 3)	Showing	PE ZN AG
8201019	VINE (E)	Showing	PE ZN CU
8201020	MAYOON QUARRY (M)	Prospect	GR
8201021	BLUNDE	Feasible Prospect	PE ZN CU
8201022	VINE (E)	Showing	PE ZN
8201023	MANCHA	Showing	PE ZN
8201024	ST JOE	Showing	PE ZN AG
8201025	SWANSEA RIDGE	Prospect	PE
8201026	COLE	Showing	PE ZN AG
8201027	DAVANT	Showing	PE ZN AG
8201028	BAR	Prospect	AL CU PE



Compilers: D.A. Brown, R.F. MacLeod, C.L. Wagner, and W. Chow
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 Co-ordinated through the auspices of the Targeted Geoscience Initiative (TGI)
 Digital cartography by R.F. MacLeod and W. Chow, Geological Survey of Canada (Pacific Division)
 Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

OPEN FILE 6303
GEOLOGY
MOYIE LAKE
BRITISH COLUMBIA
 Scale 1:50 000/Echelle 1/50 000
 Kilometers 1 2 3 4
 Meters 0 1 2 3 4
 Contour interval at 40 meters

Digital base map from data compiled by Geomatics Canada, modified by Geological Survey of Canada
 Magnetic declination 2011, 15°28'E, decreasing 11' annually
 Elevations in meters above mean sea level
 Contour interval at 40 meters

8209	8202	82011
CF6308	CF6302	CF3432
8214	8205	82031
CF6309	CF6303	
8201	8204	82033
CF6153	CF6304	

OPEN FILE DOSSIER PUBLIC 6303
 GEOLOGICAL SURVEY OF CANADA
 COMMISSION GÉOLOGIQUE DU CANADA
 2011

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