

LEGEND

QUATERNARY

Q QUATERNARY: unconsolidated glacial, glacioluvial, and glaciolacustrine deposits; fluvialite silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits

LOWER TERTIARY, MOSTLY(?) EOCENE

ITR2

ROSS: rhyolite flows, tuffs, ash-flow tuffs, and breccias, locally laminated; small stocks and necks of white weathering, flow-banded, quartz-sandstone porphyry to granite porphyry, locally ovoidal bearing; local shale, sandstone and conglomerate

ITR4

ROSS: light coloured felsic quartz feldspar porphyry and rhyolite; minor acid tuff breccia, crystal lithic tuff and ignimbrite; quartz-feldspar porphyry stocks and dikes

MID-CRETACEOUS

mkGs SELWYN SUITE: resistant, blocky, fine to coarse-grained equigranular to porphyritic (K-feldspar) biotite quartz monzonite and granodiorite and minor quartz diorite; minor leuco-quartz monzonite and syenite

mkQs SELWYN SUITE: medium to coarse-grained, equigranular to porphyritic (K-feldspar) biotite hornblende muscovite granite, quartz monzonite and granodiorite; porphyritic biotite hornblende granite with large euhedral grey quartz phenocrysts and locally K-feldspar phenocrysts

mkQc CASSIAR SUITE: medium to coarse-grained, equigranular to porphyritic (K-feldspar) granite and biotite quartz monzonite; biotite-hornblende quartz monzonite and granodiorite

mkQc? CASSIAR SUITE: medium to coarse-grained, equigranular to porphyritic (K-feldspar) granite and biotite quartz monzonite; biotite-hornblende quartz monzonite and granodiorite

MIDDLE TO UPPER TRIASSIC

TrJ JONES LAKE: brown to buff weathering, calcareous fine-grained sandstone, argillite and shale; extensive ripple cross-lamination and bioturbation; massive light grey weathering, fine crystalline, dark grey limestone; and minor coarse weathering platy limestone

TrG

GALENA SUITE: massive, medium-grained hornblende diorite and gabbro sills; massive chloritic and locally serpentinized greenstone (diorite, gabbro, and altered igneous) sills; minor occurrences of possible mid to Late Paleozoic age

CARBONIFEROUS TO PERMIAN

CPMC MOUNT CHRISTIE: burrowed, interbedded greenish grey cherty shale and green shale; thin to medium-bedded, light grey-green to black chert; black siliceous slate and siltstone; minor quartzite, limestone, and dolostone; locally abundant, large grey barite nodules

MISSISSIPPIAN

MK KENO HILL: massive to thick-bedded quartz arenite; thin to medium-bedded quartz arenite interstratified with black shale or carbonaceous phyllite; local scour surfaces and shale intracasts; locally foliated and lineated

MT1 TAY: recessive, dark brown weathering, thin to medium-bedded, calcareous, dark grey to brown siltstone and shale, commonly burrowed; thin to thick interbeds of fine crystalline, dark grey limestone; minor quartz arenite

MT2 TAY: grey and buff weathering, generally thick-bedded to massive, dark grey to black feldt limestone; fine crystalline to cryptocrystalline; commonly bioclastic

DEVONIAN AND MISSISSIPPIAN

DME EARN: complex assemblage of submarine fan and channel deposits (1) or within black siliceous shale and chert (2); barite common, and many occurrences of stratiform Pb-Zn

DME1 EARN: thin bedded, laminated slate with thin to thickly interbedded fine to medium-grained chert-quartz arenite and wacke; thick members of chert pebble conglomerate; black siliceous siltstone; nodular and bedded barite; rare limestone

DME3 EARN: massive felsic to intermediate volcanic flows, tuffs, and subvolcanic plug(s); locally highly altered; greenish chert and minor black slate; quartz eye quartz-sericite chlorite phyllite; local vesicular or amygdaloidal basalt, locally pillowed

DMN2 NASINA: marble

DMN4 NASINA: quartzite, micaceous quartzite, quartz muscovite (chlorite; feldspar augen) schist, and minor metaconglomerate and metagrit, but may locally include significant Klondike Schist Assemblage

MID-PALEOZOIC?

mPN NOGOL: buff, maroon, and minor green argillite with quartz sandstone and siltstone interbeds; basal green chert; rare light grey weathering, dark grey limestone beds of Early to Late Devonian age; thick-bedded, green to yellow grey weathering sandstone and grit

ORDOVICIAN TO LOWER DEVONIAN

ODR ROAD RIVER - SELWYN: black shale and chert (1), overlain by orange siltstone (2), or buff platy limestone (3); locally contains beds as old as Middle Cambrian (4); correlations with basal strata in Richardson Mountains include: ODR1 with CDR2 (upper part) and ODR2 with CDR4

ODR1 ROAD RIVER - SELWYN: black, gun-blue, or silvery white weathering black graphitic shale and black chert; resistant grey weathering, thin to medium-bedded, light grey to black, greenish grey or turquoise chert; minor argillaceous limestone

ODR2 ROAD RIVER - SELWYN: rusty dark green to orange buff weathering, pyritic, burrowed, thin to thick-bedded argillite and dolomitic siltstone with members or partings of black shale and chert; minor bright orange dolostone

CAMBRIAN TO SILURIAN

CSM MARMOT: lower Paleozoic; mostly mafic volcanics, in locally thick accumulations (1) - (6) but also of common occurrence as undifferentiated thin scattered members within other units (e.g. COR, OSR)

UPPER CAMBRIAN AND ORDOVICIAN

COR1 RABBITKITTLE: thin-bedded, wavy banded, silty limestone and grey lustrous calcareous phyllite; limestone intraclast breccia and conglomerate; massive to laminated, grey quartzose siltstone and chert and rare black slate; local mafic flows, breccia, and tuff

COR1? RABBITKITTLE: thin-bedded, wavy banded, silty limestone and grey lustrous calcareous phyllite; limestone intraclast breccia and conglomerate; massive to laminated, grey quartzose siltstone and chert and rare black slate; local mafic flows, breccia, and tuff

LOWER CAMBRIAN

ICG GULL LAKE: dominantly fine clastic assemblage (1) with local volcanic units

ICG1 GULL LAKE: shale, siltstone, and mudstone, locally bioturbated, with minor quartz sandstone; rare green-grey chert; local basal limestone and limestone conglomerate; phyllite to quartz-muscovite-biotite schist (garnet, sillimanite, staurolite, andalusite)

UPPER PROTEROZOIC TO LOWER CAMBRIAN

PCH HYLAND: consists upwards of coarse turbiditic clastics (1), limestone (2), and fine clastics typified by maroon and green shale (3)

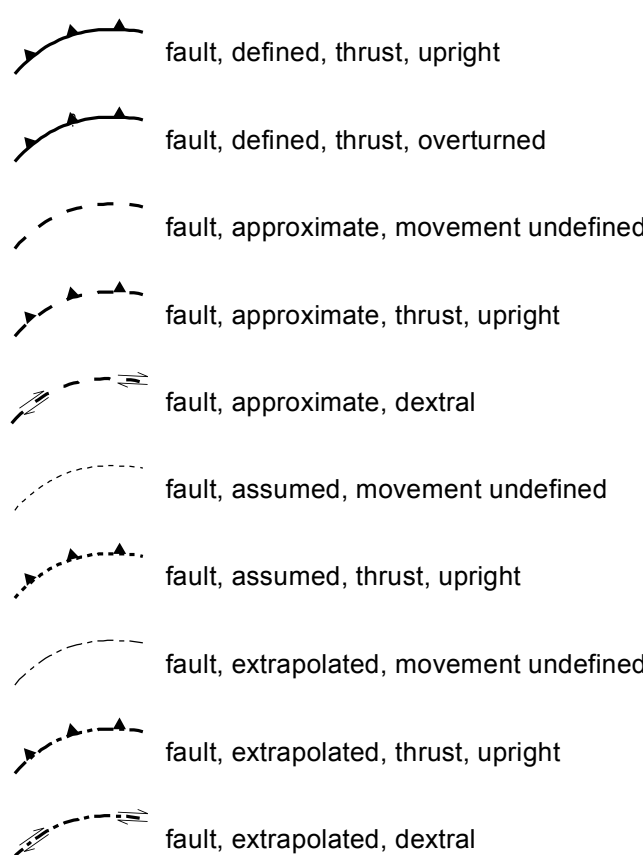
PCH1 HYLAND: thin to thick bedded, brown to pale green shale, fine to coarse-grained quartz-rich sandstone, grit, and quartz pebble conglomerate; minor argillaceous limestone, phyllite, quartzfeldspathic, and micaceous psammite, gritty psammite, and minor marble

PCH2 HYLAND: grey weathering, dark grey to grey white, thin to thick-bedded, very fine crystalline limestone, locally sandy; calc-silicate and marble; may locally include carbonate members within (1) or (4)

PCH2? HYLAND: grey weathering, dark grey to grey white, thin to thick-bedded, very fine crystalline limestone, locally sandy; calc-silicate and marble; may locally include carbonate members within (1) or (4)

PCH3 HYLAND: distinctive, recessive, maroon weathering, interbedded maroon and apple-green slate; "Oldhamia" trace fossils; rare grey chert; locally basal member and interbeds of quartz siltstone, sandstone, and quartz-pebble conglomerate

PCH4 HYLAND: quartzose clastic rocks as described in (1); mostly(?) equivalent to (1) but may include younger units



- Regional Geochemistry Sample (RGS) location

National Topographic System grid (1:250 000 scale)

National Topographic System grid (1:50 000 scale)

highway, paved

highway, unpaved

local road, paved

local road, unpaved

watercourse

waterbody

wetland

H+ (Levelled)

WSM Percentiles: WSM Score, Number of RGS Samples

- 0 - 50%: 2.473129 - 0.000000, 457 samples
- 50 - 75%: 0.000001 - 0.674490, 201 samples
- 75 - 90%: 0.674491 - 1.348980, 109 samples
- 90 - 95%: 1.348981 - 1.798640, 45 samples
- 95 - 98%: 1.798641 - 2.500709, 19 samples
- 98 - 100%: 2.500710 - 8.543538, 16 samples

Table 2: List of Mineral Occurrences for NTS map sheets 1050 and part of 105P

OCCURRENCE #	OCCURRENCE NAME	ALIAS(ES)	DEPOSIT TYPE	STATUS	ECONOMIC COMMODITIES	OTHER COMMODITIES
105M001	KENO HILL	BEAUFORT, ELZA, KENO 780, LUCKY QUEEN, ONEX, SILVER KING	Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	Cu, Au, Sn
105M002	PAINT		Polymetallic Veins Ag-Pb-Zn-Au	Showing	Pb, Ag, Zn	Au, Pb, Ag, Zn
105M003	SILVER BASIN		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M004	GOULDER GREEN		Polymetallic Veins Ag-Pb-Zn-Au	Showing	Pb, Ag, Zn	
105M005	SILVER BASIN		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M006	NASINA	SILVER BASIN, BARKHAM	Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M007	MOUNTAIN		Polymetallic Veins Ag-Pb-Zn-Au	Showing	Pb, Ag, Zn	
105M008	CONCORD	PORCUPINE VEIN	Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M009	JARVIS		Polymetallic Veins Ag-Pb-Zn-Au	Showing	Pb, Ag, Zn	
105M010	CHAMPAGNE		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M011	HOMESTAKE		Polymetallic Veins Ag-Pb-Zn-Au	Showing	Pb, Ag, Zn	
105M012	CHRISTINE		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M013	MARBLE		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M014	MARBLE		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M015	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M016	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M017	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M018	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M019	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M020	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M021	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M022	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M023	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M024	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M025	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M026	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M027	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M028	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M029	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M030	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M031	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M032	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M033	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M034	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M035	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M036	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M037	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M038	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M039	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M040	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M041	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M042	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M043	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M044	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M045	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M046	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M047	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M048	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M049	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M050	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M051	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M052	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M053	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M054	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M055	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M056	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M057	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M058	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M059	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M060	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M061	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M062	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M063	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M064	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M065	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M066	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M067	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M068	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M069	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M070	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M071	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M072	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M073	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M074	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M075	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M076	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M077	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M078	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M079	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M080	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M081	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M082	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M083	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M084	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M085	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M086	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M087	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M088	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M089	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M090	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M091	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M092	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M093	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M094	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M095	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M096	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M097	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M098	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M099	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	
105M100	WILSON		Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	

Mineral Occurrence Deposit Type (Total on map)

- Cu Skarn (1)
- ▼ Plutonic Related Au (2)
- ◇ Polymetallic Veins Ag-Pb-Zn/-Au (49)
- Porphyry Sn (1)
- Porphyry W (1)
- ◆ Sediment-Hosted Barite (1)
- ◇ Stibnite Veins & Disseminations (2)