



### Weighted Sums Modelling

The application of Weighted Sums Modelling (WSM) to exploration geochemistry was described by Garrett and Grunsky (2001) as a means to model multi-element data using a priori knowledge of the mineralogy and element composition of the sought after mineral deposit (Kane, 1977; Garrett et al., 1980). In this procedure weights or relative importances are assigned to each variable, or a subset of variables, according to some geochemical or mineralogical model of the target mineral deposit type or geological process. Weighted sums (WS) are new variables calculated from the multi-element geochemical results. Like Principal Components Analysis (PCA) or Factor Analysis scores, WS scores have the form of normal or standardized scores with a mean of zero and a standard deviation of one. The main difference between WSM and traditional multivariate statistical methods is that the user assigns the variable weightings rather than determining them with a covariance/correlation matrix for the dataset, as is done in PCA. Furthermore WSM is a robust statistical technique that is not influenced by the presence of outliers (Beckman & Cook, 1983).

The reader is referred to Garrett and Grunsky (2001) for a description of the WS calculation. In summary, relative importance is assigned for each variable. A weighting of 3, for example, means that that particular element is three times more important than an element with a weighting of one. Weighting can be positive or negative. Positive weightings mean that the target model is associated with elevated concentrations of an element. Negative weightings indicate that low concentrations or depletions of an element are important.

Individual relative importance is converted into weights that sum to one by dividing each importance by the sum of the absolute values of importance (i.e., ignoring the negative signs). A requirement of the method is that the sums of the final weights also equal one. This is achieved by dividing each weight by the square root of the sum of the squares of the weights.

The next step involves calculation of the normal scores for the variables included in the model for each individual sample. To do this, robust estimates of the mean and standard deviation are used. The median (or 50th percentile) is used as a robust estimate of the mean and the inter-quartile range (IQR) multiplied by 0.7413 is used as a robust estimate of the standard deviation. IQR is the difference between the 75th and 25th percentiles of the data distribution and therefore covers a band of data 25% wide (or 0.67449 standard deviation units) on either side of the mean. The constant 0.7413 is used to convert the IQR, which covers a range of 1.3490 standard deviation units to an equivalent standard deviation<sup>1</sup>. Weighted sums are then calculated by multiplying the normal scores for each element by the elements corresponding weight and summing for each sample. The high resistance of the median and IQR to outliers mean that it is not usually necessary to trim outlier and far outliers from the dataset before calculation.

<sup>1</sup> For a normal distribution the standard deviation is equal to 0.7413\*IQR, where 0.7413 is the reciprocal of 1.349.

### Models and Weightings

Six mineral deposit types (SEDEX, Porphyry Cu, W-Skarn, IRCG, Polymetallic veins and Carlin) that are either known or believed to occur in the map sheet areas and one geochemical process (hydromorphic dispersion) are modeled using the WS method. Included elements and their relative importance are presented in Table 1.

### Data Presentation

Results of each WS model are attached to the corresponding catchment basin polygons using a spatial join in ArcGIS. This process allows for the entire polygon to be assigned a colour based on its WS score. Colours are assigned on the basis of the following percentile breaks:

0-50%	Dark blue
50-75%	Pale blue
75-90%	Pale green
90-95%	Yellow
95-98%	Orange
98-100%	Red

With this scheme, catchment basins with the hotter colours represent samples with geochemical characteristics consistent with the mineralization style being modelled.

Table 1: Table of Relative Importances used to calculate weighted sums models

Deposit Type	Ag	Au	As	Ba	Bi	Cl	Co	Cu	Cs	Fe	Hg	K	Mn	Mo	Ni	Pb	S	Sb	Ti	W	Zn
Polymetallic Veins	4	4	3	3	4	1	2	1	1	1	1	1	1	1	5	3	3	5	1		
W-Skarn																					
Porphyry Cu	2	2	3	1			5	3		1	3					3	2				
Intrusive Related Cu-Au	1	2	5	5			2	1	5	1	2				1	1	2				
SEDEX					5	3									1	5	1	5	5		
Carlin	2	1	5	2			4	5	2	5					5	2	4	2	1		
Hydromorphic Dispersion	2	1			4	5	2	5			5	2	4	2	1						

- 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

### Au (Levelled)

WSM Percentiles: WSM Score, Number of RGS Samples

- 0 - 50%: -5.13 - -0.01, 421 samples
- 50 - 75%: 0.00 - 0.48, 218 samples
- 75 - 90%: 0.49 - 0.98, 125 samples
- 90 - 95%: 0.99 - 1.48, 41 samples
- 95 - 98%: 1.49 - 2.37, 26 samples
- 98 - 100%: 2.38 - 4.75, 16 samples

### 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

##### mkGs

SELWYN SUITE: equigranular to porphyritic (K-feldspar) biotite hornblende muscovite granite, quartz monzonite and granodiorite; porphyritic biotite hornblende granite with large sigmoidal 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; minor coarse weathering clay limestone

##### TrG

GALENA SUITE: massive, medium-grained hornblende diorite and gabbro sills; massive chloritic and locally serpentinized greenstone (diorite, gabbro, and altered equivalents) 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

NOGODI: 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 intracast 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 intracast 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, quartz-feldspar, 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

fault, defined, thrust, upright

fault, defined, thrust, overturned

fault, approximate, movement undefined

fault, approximate, thrust, upright

fault, approximate, dextral

fault, assumed, movement undefined

fault, assumed, thrust, upright

fault, extrapolated, movement undefined

fault, extrapolated, thrust, upright

fault, extrapolated, dextral

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

OCURRENCE #	OCURRENCE NAME	ALIAS(ES)	DEPOSIT TYPE	STATUS	ECONOMIC COMMODITIES	OTHER COMMODITIES
105M001	KENO HILL	BEAUFORT, ELZA, KENO TBL, LUCKY QUEEN, ONEX, SILVER KING	Polymetallic Veins Ag-Pb-Zn-Au	Past Production	Pb, Ag, Zn	Cu, Au, Sn
105M002	PAYNE		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	GOVERNOR'S CREEK		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	JARVISDALE, 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	CONCORDIA	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	