

FOR CENTRE OF MAP

115H	105E
AISHIHIK LAKE	LAKE LABERGE
115A	105D
THIS MAP	WHITEHORSE
114P	104M
TATSHENSHINI RIVER	SKAGWAY
	AISHIHIK LAKE  115A  THIS MAP  114P  TATSHENSHINI

#### INTRODUCTION

assessment of stream sediment geochemistry that covers sampling should be conducted. a large part of Yukon.

#### SAMPLING AND ANALYSIS PROGRAMS

Stream sediment and water samples from the Dezadeash Range area (NTS 115A) were collected at a reconnaissance scale in 1992 as part of the Canada-Yukon Mineral Development Agreement (Friske et al., 2001). Field descriptions and initial geochemical data for 587 sites were released in Geological Survey of Canada (GSC) Open File 2859 (Friske et al., 2001). New geochemical data from the re-analysis of archive sample material were released in Yukon Geological Survey (YGS) Open File 2016-05 (Jackaman, 2016). Samples from sites located within currently protected areas were excluded from re-analysis. The current assessment examines only data for the 397 sites that are located to these reports for detailed descriptions of sampling techniques, analytical procedures and quality control measures.

#### MINERAL OCCURRENCES

The Dezadeash Range area contains relatively few mineral occurrences compared to other regions of Yukon. Most of the occurrences are located within lands that are now protected (Kluane National Park and Kusawa Natural Environment Park). As listed in Table 1 (Yukon MINFILE, 2015) the most developed occurrences are classed as Mn oxides/hydroxides. polymetallic Ag-Pb-Zn (Kane deposit), Cu±Ag quartz vein (Johobo deposit; and Mush and Jackpot prospects), Zn- Regression analysis of selected metals against the Pb±Ag volcanogenic massive sulphide (Kloo, Elgin and relevant principal component(s) effectively filters the Wren prospects) and Au quartz vein (Archibald showing). interpreted scavenging and lithological controls. For the The Whitehorse Copper (Cu skarn) and Mount Skukum 'geology levelled' products, owing to the strong influence epithermal Au-Ag deposit occur in the adjacent NTS map of scavenging, many of the WSM variables are residuals area to the east supporting the prospectivity of the region calculated from regression against LOI, Fe and/or Mn for these deposit types. Although the Wrangellia terrane, (Table 2). Only a few elements were levelled by dominant which hosts the Wellgreen Ni-Cu-PGE deposit, transects catchment geology. Negative rankings are used for the Dezadeash Range area it is within the Kluane National elements that are expected to be low in a given deposit

#### WEIGHTED SUMS MODELING

As described in the methodology report (Mackie et al., 2015), two approaches have been used to subdue the influence of background lithological variation and secondary absorption on the composition of stream sediments. One uses data levelled by the dominant cover larger areas (shown on the map with bold outlines) geology mapped within each catchment, while the other are interpreted to have been under-sampled and thus uses residuals calculated from regression against require further sampling to properly evaluate the area for selected principal components. Weighted sums models geochemical anomalism. Given the likelihood that a (WSM) have been generated using the processed data. mineralization signal would be progressively diluted with The importance rankings used in WSMs are summarized increasing catchment size, marginally high WSM scores in in Table 2. Each model is optimized for a target deposit large catchments may also be of interest. type however other deposit types may be represented in a

given model due to similarities in elemental abundances and associations. It is important to note that given the lack New geochemical data from re-analysis of archived of mineral occurrences in the area of re-analyzed samples stream sediment samples have been assessed using the presented models cannot be validated. Additionally, weighted sums modeling and catchment basin analysis as many of the sample sites are located in topographically described in the methodology report that accompanies subdued and low-lying areas which are not ideal stream this map (Mackie et al., 2015). Both commodity and sediment sample locations given the potential for the pathfinder element abundances are evaluated to highlight inclusion of Quaternary alluvial and glacial lacustrine areas that show geochemical responses consistent with a sediments. These regions are also potential sites of variety of base and precious-metal mineral deposit types. secondary scavenging of metal ions by organic material, The results of modeling, completed using two approaches, clays and/or Fe-Mn oxides. Given these complicating are presented as a series of catchment maps and factors the geochemical data and presented models for associated data files. This release is part of a regional this map area should be used with caution and verification

Exploratory data analysis using both raw element data and principal components indicate that lithological variation and secondary scavenging influence the distribution of certain commodity and pathfinder elements. The principal component (PC1) accounts for ~30% of the total geochemical variation. Positive PC1 shows high loadings in Sb, Hg, Cd, Ca, loss-on-ignition (LOI), Sr, As and Cu; and coincides with a low-lying region east of the Denali fault zone. Using LOI as a proxy for organic carbon it is interpreted that this component represents scavenging by accumulated organic material. Negative PC1 shows high loadings in Ti, K, Rb, Li, Tl and Al corresponding to areas mapped as Ruby Range Suite felsic plutonic rocks. The second component (PC2) shows high positive loadings for U, La, Y, Mo, Tl, Th and Ag; and high negative loadings for Co, V, Cr, Ni, Mg, Sc, Cu and outside of these protected areas. The reader is referred Fe. Respectively, these element groupings correspond to areas of felsic and mafic lithologies. The third component shows high loadings in Ag, loss-on-ignition (LOI), Ba, TI, Hg, Cd and Zn; and is also interpreted to reflect scavenging by organic material. The fourth component with high loadings in Bi, Pb, Ag and Cu, may be related to skarn-style mineralization although no occurrences exist in the highlighted drainages and therefore this interpretation cannot be validated. The fifth component shows high loadings in Pb, As, Fe and Mn, and is interpreted to represent scavenging by secondary Fe and

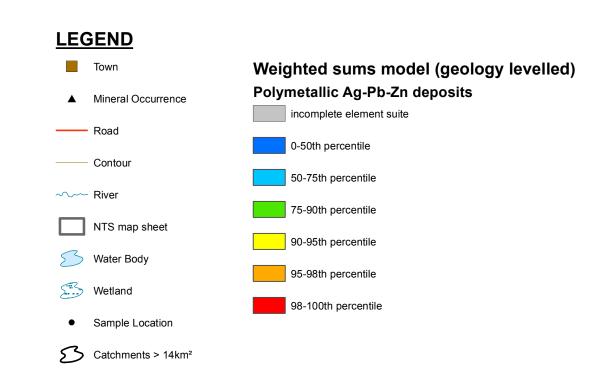
> type and also to help distinguish between deposit types with similar metal associations.

> The effectiveness of historical sampling coverage has been assessed empirically using graphs of WSMs plotted against catchment surface area to determine the ideal maximum catchment size (14 km<sup>2</sup>). Catchments that

Table 2: Importance rankir	ngs for weighted sums models using	g dat	a lev	elled	by n	nappe	ed ge	ology	<b>/</b> .												
Target Deposit Type <sup>a</sup>	Other Deposit Types <sup>a</sup>	Mn	Fe	Со	Ni	Cu <sup>1</sup>	Мо	Zn²	Pb <sup>2</sup>	Ag	Au <sup>3</sup>	As <sup>2</sup>	Ва	Cd <sup>1</sup>	Sn <sup>3</sup>	Sb <sup>1</sup>	Te <sup>3</sup>	Hg²	TI	Bi	W <sup>3</sup>
Polymetallic Ag-Pb-Zn	SEDEX, VMS, Pb-Zn skarn; Epithermal Au-Ag				-2			2	3	4		1				1					
Pb-Zn skarn	SEDEX, VMS, Polymetallic Ag-Pb- Zn							3	4			1		2	1					1	1
Cu skarn	Porphyry Cu; Porphyry Mo					4	1			2										1	1
Epithermal Au-Ag	Orogenic Au; Intrusion-related Au; Polymetallic Ag-Pb-Zn									4	3	3				1		1			
Orogenic Au	Intrusion-related Au; Epithermal Au-Ag										3	4								1	1
Hydromorphic Anomaly		4	4					1	1			3									

<sup>a</sup>Polymetallic Ag-Pb-Zn type includes vein and manto styles; SEDEX = sedimentary exhalative Pb-Zn-(Ag); VMS = volcanic-hosted/associated massive

<sup>1</sup>Calculated residual from regression against loss-on-ignition. For Cu, the calculated residual was also levelled by dominant geology <sup>2</sup>Calculated residual from regression against Fe and Mn. For Pb, the calculated residual was also levelled by dominant geology <sup>3</sup>Raw data following a log<sub>10</sub> transformation



# **REFERENCES**

Friske, P.W.B., Day, S.J.A. and McCurdy, M.W., 2001. Regional Stream Sediment and Water Geochemical Data, southwestern Yukon (parts of NTS 115A and B). Geological Survey of Canada, Open File 2859.

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Yukon MINFILE, 2015. Yukon MINFILE - A database of mineral occurrences. Yukon Geological Survey, www.data.geology.gov.yk.ca, accessed May 2015.

115A 003 KANE 115A 005 PHOT 115A 006 MUSH 115A 017 BATE 115A 012 CAVE 115A 013 SHAF 115A 015 BELO 115A 016 HUSK 115A 016 HUSK 115A 024 DEVIL 115A 025 KUSA 115A 031 JOHO 115A 032 REX 115A 035 ELGIN 115A 036 ARCH 115A 037 STRIC 115A 039 FERG 115A 041 KLOO 115A 043 SOUT 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL	EKPOT  NE DTO SH TES //E AFT LOUD SKY - VILHOLE SAWA HOBO K SIN CHIBALD RIDE RGUSON	Vein Cu±Ag Quartz Vein Polymetallic Ag-Pb-Zn±Au Vein Cu±Ag Quartz Vein Cu±Ag Quartz Vein Cu±Ag Quartz Vein Polymetallic Ag-Pb-Zn±Au Porphyry Cu-Mo-Au Volcanogenic Sulphide - type not determined Vein Cu±Ag Quartz Volcanogenic Sulphide - type not determined Volcanogenic Sulphide - type not determined Porphyry Cu-Mo-Au Skarn Cu Vein Cu±Ag Quartz Ultramafic-hosted asbestos Volcanogenic Sulphide - type not determined	Status  Drilled Prospect  Past Producer  Showing  Prospect  Prospect  Showing  Showing  Showing  Prospect  Showing  Prospect  Showing  Prospect  Deposit  Drilled Prospect	Commodities Copper, Silver Lead, Zinc, Silver Antimony, Cobalt, Copper, Gold Copper, Gold Gold, Lead, Silver Copper, Silver Copper Copper Copper Copper Copper Copper Copper Copper Copper, Lead, Molybdenum Copper Copper, Silver Asbestos
115A 003 KANE 115A 005 PHOT 115A 006 MUSH 115A 017 BATE 115A 012 CAVE 115A 013 SHAF 115A 015 BELO 115A 016 HUSK 115A 018 KEL 115A 024 DEVIL 115A 025 KUSA 115A 031 JOHO 115A 032 REX 115A 035 ELGIN 115A 036 ARCH 115A 037 STRIC 115A 039 FERG 115A 041 KLOO 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECO 115A 041 BOUN	NE DTO SH TES VE AFT LOUD SKY LOUD SKY SKY CHIBALD RIDE RGUSON	Vein Polymetallic Ag-Pb-Zn±Au  Vein Cu±Ag Quartz  Vein Cu±Ag Quartz  Vein Polymetallic Ag-Pb-Zn±Au  Porphyry Cu-Mo-Au  Volcanogenic Sulphide - type not determined  Vein Cu±Ag Quartz  Volcanogenic Sulphide - type not determined  Volcanogenic Sulphide - type not determined  Volcanogenic Sulphide - type not determined  Porphyry Cu-Mo-Au  Skarn Cu  Vein Cu±Ag Quartz  Ultramafic-hosted asbestos  Volcanogenic Sulphide - type not determined  Vein Au-Quartz	Past Producer Showing Prospect Prospect Showing Showing Showing Prospect Showing Prospect Showing Prospect Showing Prospect Deposit	Lead, Zinc, Silver Antimony, Cobalt, Copper, Gold Copper, Gold Gold, Lead, Silver Copper, Silver Copper Copper Copper Copper Copper Copper Copper Copper Copper, Lead, Molybdenum Copper Copper, Silver Asbestos
115A 005 PHOT 115A 006 MUSH 115A 007 BATE 115A 012 CAVE 115A 013 SHAF 115A 015 BELO 115A 016 HUSK 115A 024 DEVIL 115A 025 KUSA 115A 031 JOHO 115A 032 REX 115A 035 ELGIN 115A 036 ARCH 115A 037 STRIC 115A 039 FERG 115A 041 KLOO 115A 043 SOUT 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECO 115A 021 BOUN	DTO SH TES VE AFT LOUD SKY VILHOLE SAWA HOBO K CHIBALD RIDE RGUSON	Vein Cu±Ag Quartz Vein Cu±Ag Quartz Vein Polymetallic Ag-Pb-Zn±Au Porphyry Cu-Mo-Au Volcanogenic Sulphide - type not determined Vein Cu±Ag Quartz Volcanogenic Sulphide - type not determined Volcanogenic Sulphide - type not determined Porphyry Cu-Mo-Au Skarn Cu Vein Cu±Ag Quartz Ultramafic-hosted asbestos Volcanogenic Sulphide - type not determined	Showing Prospect Prospect Showing Showing Prospect Showing Showing Prospect Showing Prospect Showing Past Producer Deposit	Antimony, Cobalt, Copper, Gold Copper, Gold Gold, Lead, Silver Copper, Silver Copper Copper Copper Copper Copper Copper Copper Copper, Lead, Molybdenum Copper Copper, Silver Asbestos
115A 006 MUSH 115A 007 BATE 115A 012 CAVE 115A 013 SHAF 115A 015 BELO 115A 016 HUSK 115A 024 DEVIL 115A 025 KUSA 115A 025 KUSA 115A 031 JOHO 115A 032 REX 115A 035 ELGIN 115A 036 ARCH 115A 037 STRIC 115A 039 FERG 115A 041 KLOO 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECO 115A 041 BOUN	SH TES	Vein Cu±Ag Quartz  Vein Polymetallic Ag-Pb-Zn±Au  Porphyry Cu-Mo-Au  Volcanogenic Sulphide - type not determined  Vein Cu±Ag Quartz  Volcanogenic Sulphide - type not determined  Volcanogenic Sulphide - type not determined  Volcanogenic Sulphide - type not determined  Porphyry Cu-Mo-Au  Skarn Cu  Vein Cu±Ag Quartz  Ultramafic-hosted asbestos  Volcanogenic Sulphide - type not determined  Vein Au-Quartz	Prospect Prospect Prospect Showing Showing Prospect Showing Prospect Showing Prospect Showing Past Producer Deposit	Copper, Gold Gold, Lead, Silver Copper, Silver Copper Copper Copper Copper Copper Copper Copper Copper, Lead, Molybdenum Copper Copper, Silver Asbestos
115A 007 BATE 115A 012 CAVE 115A 013 SHAF 115A 015 BELO 115A 016 HUSK 115A 024 DEVIL 115A 025 KUSA 115A 031 JOHO 115A 032 REX 115A 035 ELGIN 115A 036 ARCH 115A 039 FERG 115A 041 KLOO 115A 041 SLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECO 115A 021 BOUN	TES  /E AFT LOUD SKY - VILHOLE SAWA HOBO K CHIBALD RIDE RGUSON	Vein Polymetallic Ag-Pb-Zn±Au Porphyry Cu-Mo-Au Volcanogenic Sulphide - type not determined Vein Cu±Ag Quartz Volcanogenic Sulphide - type not determined Volcanogenic Sulphide - type not determined Volcanogenic Sulphide - type not determined Porphyry Cu-Mo-Au Skarn Cu Vein Cu±Ag Quartz Ultramafic-hosted asbestos Volcanogenic Sulphide - type not determined Vein Au-Quartz	Prospect Prospect Showing Showing Prospect Showing Prospect Showing Past Producer Deposit	Gold, Lead, Silver Copper, Silver Copper Copper Copper Copper Copper Copper Copper, Lead, Molybdenum Copper Copper, Silver Asbestos
115A 012 CAVE 115A 013 SHAF 115A 015 BELO 115A 016 HUSK 115A 024 DEVIL 115A 025 KUSA 115A 031 JOHO 115A 032 REX 115A 035 ELGIN 115A 036 ARCH 115A 039 FERG 115A 041 KLOO 115A 043 SOUT 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECO 115A 021 BOUN	/E AFT LOUD SKY - VILHOLE SAWA HOBO K SIIN CHIBALD RIDE RGUSON	Porphyry Cu-Mo-Au  Volcanogenic Sulphide - type not determined  Vein Cu±Ag Quartz  Volcanogenic Sulphide - type not determined  Volcanogenic Sulphide - type not determined  Volcanogenic Sulphide - type not determined  Porphyry Cu-Mo-Au  Skarn Cu  Vein Cu±Ag Quartz  Ultramafic-hosted asbestos  Volcanogenic Sulphide - type not determined  Vein Au-Quartz	Prospect Showing Showing Prospect Showing Prospect Showing Showing Past Producer Deposit	Copper, Silver Copper Copper Copper Copper Copper Copper, Lead, Molybdenum Copper Copper, Silver Asbestos
115A 013 SHAF 115A 015 BELO 115A 016 HUSK 115A 024 DEVIL 115A 025 KUSA 115A 031 JOHO 115A 032 REX 115A 035 ELGIN 115A 036 ARCH 115A 037 STRIC 115A 039 FERG 115A 041 KLOO 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECO 115A 021 BOUN	AFT LOUD SKY - VILHOLE SAWA HOBO X CHIBALD RIDE RGUSON	Volcanogenic Sulphide - type not determined Vein Cu±Ag Quartz Volcanogenic Sulphide - type not determined Volcanogenic Sulphide - type not determined Porphyry Cu-Mo-Au Skarn Cu Vein Cu±Ag Quartz Ultramafic-hosted asbestos Volcanogenic Sulphide - type not determined Vein Au-Quartz	Showing Showing Prospect Showing Showing Past Producer Deposit	Copper Copper Copper Copper Copper Copper, Lead, Molybdenum Copper Copper, Silver Asbestos
115A 015 BELO 115A 016 HUSK 115A 018 KEL 115A 024 DEVIL 115A 025 KUSA 115A 031 JOHO 115A 032 REX 115A 035 ELGIN 115A 036 ARCH 115A 039 FERG 115A 041 KLOO 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECO 115A 021 BOUN	LOUD SKY  VILHOLE SAWA HOBO K SIN CHIBALD RIDE RGUSON	Vein Cu±Ag Quartz Volcanogenic Sulphide - type not determined Volcanogenic Sulphide - type not determined Porphyry Cu-Mo-Au Skarn Cu Vein Cu±Ag Quartz Ultramafic-hosted asbestos Volcanogenic Sulphide - type not determined Vein Au-Quartz	Showing Showing Prospect Showing Showing Past Producer Deposit	Copper Copper Copper Copper, Lead, Molybdenum Copper Copper, Silver Asbestos
115A 016 HUSK 115A 018 KEL 115A 024 DEVIL 115A 025 KUSA 115A 031 JOHO 115A 032 REX 115A 035 ELGIN 115A 036 ARCH 115A 037 STRIC 115A 039 FERG 115A 041 KLOO 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECO 115A 021 BOUN	SKY  VILHOLE SAWA HOBO  K SIN CHIBALD RIDE RGUSON	Volcanogenic Sulphide - type not determined Volcanogenic Sulphide - type not determined Porphyry Cu-Mo-Au Skarn Cu Vein Cu±Ag Quartz Ultramafic-hosted asbestos Volcanogenic Sulphide - type not determined Vein Au-Quartz	Showing Prospect Showing Showing Past Producer Deposit	Copper Copper Copper, Lead, Molybdenum Copper Copper, Silver Asbestos
115A 018 KEL 115A 024 DEVIL 115A 025 KUSA 115A 031 JOHO 115A 032 REX 115A 035 ELGIN 115A 036 ARCH 115A 037 STRIC 115A 039 FERG 115A 041 KLOO 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECO 115A 021 BOUN	VILHOLE SAWA HOBO X SIN CHIBALD RIDE RGUSON	Volcanogenic Sulphide - type not determined Porphyry Cu-Mo-Au Skarn Cu Vein Cu±Ag Quartz Ultramafic-hosted asbestos Volcanogenic Sulphide - type not determined Vein Au-Quartz	Prospect Showing Showing Past Producer Deposit	Copper Copper, Lead, Molybdenum Copper Copper, Silver Asbestos
115A 024 DEVIL 115A 025 KUSA 115A 031 JOHO 115A 032 REX 115A 035 ELGIN 115A 036 ARCH 115A 037 STRIC 115A 041 KLOO 115A 044 ISLAN 115A 045 TATS 115A 040 DECO 115A 041 BOUN 115A 040 DECO 115A 041 BOUN 115A 040 DECO 115A 021 BOUN	VILHOLE SAWA HOBO X SIN CHIBALD RIDE RGUSON	Porphyry Cu-Mo-Au Skarn Cu Vein Cu±Ag Quartz Ultramafic-hosted asbestos Volcanogenic Sulphide - type not determined Vein Au-Quartz	Showing Showing Past Producer Deposit	Copper, Lead, Molybdenum Copper Copper, Silver Asbestos
115A 025 KUSA 115A 031 JOHO 115A 032 REX 115A 035 ELGIN 115A 036 ARCH 115A 037 STRIC 115A 039 FERG 115A 041 KLOO 115A 043 SOUT 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECO 115A 021 BOUN	SAWA HOBO X GIN CHIBALD RIDE RGUSON	Skarn Cu Vein Cu±Ag Quartz Ultramafic-hosted asbestos Volcanogenic Sulphide - type not determined Vein Au-Quartz	Showing Past Producer Deposit	Copper Copper, Silver Asbestos
115A 031 JOHO 115A 032 REX 115A 035 ELGIN 115A 036 ARCH 115A 037 STRIC 115A 039 FERG 115A 041 KLOO 115A 043 SOUT 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECO 115A 021 BOUN	HOBO X IGIN CHIBALD RIDE RGUSON	Vein Cu±Ag Quartz Ultramafic-hosted asbestos Volcanogenic Sulphide - type not determined Vein Au-Quartz	Past Producer Deposit	Copper, Silver Asbestos
115A 032 REX 115A 035 ELGIN 115A 036 ARCH 115A 037 STRIE 115A 039 FERG 115A 041 KLOO 115A 043 SOUT 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECC 115A 021 BOUN	K GIN CHIBALD RIDE RGUSON	Ultramafic-hosted asbestos Volcanogenic Sulphide - type not determined Vein Au-Quartz	Deposit	Asbestos
115A 035 ELGIN 115A 036 ARCH 115A 037 STRIE 115A 039 FERG 115A 041 KLOC 115A 043 SOUT 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECG 115A 021 BOUN	GIN CHIBALD 'I RIDE RGUSON	Volcanogenic Sulphide - type not determined Vein Au-Quartz	<u> </u>	
115A 036 ARCH 115A 037 STRIC 115A 039 FERG 115A 041 KLOO 115A 043 SOUT 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECG 115A 021 BOUN	CHIBALD 'I	Vein Au-Quartz	Drilled Prospect	
115A 037 STRIE 115A 039 FERG 115A 041 KLOO 115A 043 SOUT 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECC 115A 021 BOUN	RIDE RGUSON			Copper
115A 039 FERG 115A 041 KLOC 115A 043 SOUT 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECC 115A 021 BOUN	RGUSON		Showing	Copper, Gold
115A 039 FERG 115A 041 KLOC 115A 043 SOUT 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECC 115A 021 BOUN	RGUSON	Ultramafic Mafic Podiform Chromite	Showing	Chromium, Iron
115A 043 SOUT 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECC 115A 021 BOUN		Unknown	Unknown	Gold
115A 043 SOUT 115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECC 115A 021 BOUN	00	Volcanogenic Sulphide - type not determined	Drilled Prospect	Copper, Molybdenum, Nickel, Silver, Gold, Mercury
115A 044 ISLAN 115A 045 TATS 115A 049 DOLL 115A 040 DECC 115A 021 BOUN		Porphyry Cu-Mo-Au	Showing	Copper, Molybdenum, Zinc, Silver, Lead
115A 049 DOLL 115A 040 DECC 115A 021 BOUN		Ultramafic-hosted asbestos	Showing	Asbestos
115A 049 DOLL 115A 040 DECC 115A 021 BOUN		Porphyry Cu-Mo-Au	Showing	Copper, Molybdenum
115A 040 DECC 115A 021 BOUN		Vein Au-Quartz	Prospect	Gold
	COELI	Ultramafic Mafic Gabbroid Cu-Ni-PGE	Showing	
		Unknown	Anomaly	
		Volcanogenic Sulphide - type not determined	Showing	
115A 020 SHOF		Porphyry Cu-Mo-Au	Anomaly	
115A 014 ROBI		Unknown	Showing	
115A 038 SUGE		Coal	Showing	
		Unknown	Anomaly	
115A 033 DEZ	Z	Unknown	Anomaly	
115A 051 BEAT		Unknown	Unknown	
	LHOUSE	Volcanogenic Sulphide - type not determined	Unknown	
115A 008 FENT		Vein Cu±Ag Quartz	Showing	
		Volcanogenic Sulphide - type not determined	Anomaly	
115A 034 MARL		Unknown	Unknown	
115A 019 SICKI		Unknown	Anomaly	
		Unknown	Anomaly	
115A 050 CASH		Vein Au-Quartz	Unknown	
115A 002 DALT	SHIN	Porphyry Cu-Mo-Au	Drilled Prospect	
J/LI				

# **RECOMMENDED CITATION**

MACKIE, R., ARNE, D. AND PENNIMPEDE, C., 2016. Weighted sums model for Polymetallic Ag-Pb-Zn deposits levelled by geology. In: Enhanced interpretation of stream sediment geochemical data for NTS map sheet 115A. Yukon Geological Survey, Open File 2016-29, scale 1:250 000, sheet 6 of 13.

# Catchment basin polygons generated by the Yukon Geological Survey (J. O. Bruce).

Any revisions or additional geological information known to the user would be welcomed by the Yukon

Paper copies of this map and the accompanying report may be obtained from the Yukon Geological Survey, Energy, Mines and Resources, Government of Yukon, Room 102-300 Main St., Whitehorse, Yukon, Y1A 2B5. Ph. 867-667-3201, Email geology@gov.yk.ca.

A digital PDF (Portable Document File) file of this map may be downloaded free of charge from the Yukon Geological Survey website: http://www.geology.gov.yk.ca.

> Yukon Geological Survey Energy, Mines and Resources Government of Yukon

# Open File 2016-29

Weighted sums model for Polymetallic Ag-Pb-Zn deposits levelled by mapped geology (NTS 115A) Sheet 6 of 13

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