

DepositID 1 Cont AF NameDeposit Mehirize

OtherNames

Includes

Country Code ALGR Algeria

Lat.Deg 33 Long.Deg 0 Dec.Lat 33.8472222 StateProvince

Lat.Min 50 Long.Min -20 Dec.Long -341666667

Lat.Sec 50 Long.Sec -30

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Cretaceous, Lower Aptian Ma 115 Unit

HostRocks Green argillite, sandstone

HangingwallBeds

FootwallRocks Conglomerate

Mineralogy Chalcocite, malachite

TraceMinerals

Comments

Reference Caia, J. 1976, Paleogeographical and sedimentological controls of copper, lead, and zinc mineralization in the Lower Cretaceous sandstones of Africa: Economic Geology, V. 71, p. 409-422

DepositID 2 Cont AF NameDeposit Tansrift

OtherNames Tamarift

Includes

Country Code MRCO Morocco

Lat.Deg 33 Long.Deg -4 Dec.Lat 33 StateProvince

Lat.Min 0 Long.Min -15 Dec.Long -4.25

Lat.Sec 0 Long.Sec 0

OreMmt 1 CuGrade% 1.3 CoGrade% AgGradeppm

CuMmt .013

Subtype Redbed Cu

Age Cretaceous Ma 120 Unit

HostRocks Red sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Caia, J. 1976, Paleogeographical and sedimentological controls of copper, lead, and zinc mineralization in the Lower Cretaceous sandstones of Africa: Economic Geology, V. 71, p. 409-422.

Habashi F. and Bassyouni, F.A., 1982, Mineral resources of the Arab countries: Quebec, Chemecon Publishing Ltd., Laval Univ., 2nd Edition. 112 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 3 **Cont** AF **NameDeposit** Tiloula

OtherNames

Includes

Country Code ALGR Algeria

Lat.Deg 32 **Long.Deg** 0 **Dec.Lat** 32.85 **StateProvince**

Lat.Min 51 **Long.Min** -27 **Dec.Long** -45

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Cretaceous, L.Aptian **Ma** 115 **Unit**

HostRocks Green argillite, sandstone

HangingwallBeds

FootwallRocks Conglomerate

Mineralogy Chalcocite, malachite

TraceMinerals

Comments

Reference Caia, J. 1976, Paleogeographical and sedimentological controls of copper, lead, and zinc mineralization in the Lower Cretaceous sandstones of Africa: Economic Geology, V. 71, p. 409-422

DepositID 4 Cont AF NameDeposit Djebel Djara

OtherNames

Includes

Country Code ALGR Algeria

Lat.Deg 32 Long.Deg 0 Dec.Lat 32.8333333 StateProvince

Lat.Min 50 Long.Min -14 Dec.Long -.241666667

Lat.Sec 0 Long.Sec -30

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Cretaceous, L.Aptian Ma 115 Unit

HostRocks Green argillite, sandstone

HangingwallBeds

FootwallRocks Conglomerate

Mineralogy Chalcocite, malachite

TraceMinerals

Comments

Reference Caia, J. 1976, Paleogeographical and sedimentological controls of copper, lead, and zinc mineralization in the Lower Cretaceous sandstones of Africa: Economic Geology, V. 71, p. 409-422

DepositID 5 **Cont** AF **NameDeposit** Garat Debba

OtherNames

Includes

Country Code ALGR Algeria

Lat.Deg 32 **Long.Deg** 0 **Dec.Lat** 32.77 **StateProvince**

Lat.Min 46 **Long.Min** -40 **Dec.Long** -.666666667

Lat.Sec 12 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Cretaceous, L.Aptian **Ma** 115 **Unit**

HostRocks Green argillite, sandstone

HangingwallBeds

FootwallRocks Conglomerate

Mineralogy Chalcocite, malachite

TraceMinerals

Comments

Reference Caia, J. 1976, Paleogeographical and sedimentological controls of copper, lead, and zinc mineralization in the Lower Cretaceous sandstones of Africa: Economic Geology, V. 71, p. 409-422

DepositID 6 **Cont** AF **NameDeposit** Ain Sefra

OtherNames

Includes

Country Code ALGR Algeria

Lat.Deg 32 **Long.Deg** 0 **Dec.Lat** 32.75 **StateProvince**

Lat.Min 45 **Long.Min** -35 **Dec.Long** -.583333333

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Cretaceous, L.Aptian **Ma** 115 **Unit**

HostRocks Green argillite, sandstone

HangingwallBeds

FootwallRocks Conglomerate

Mineralogy Chalcocite, malachite

TraceMinerals

Comments

Reference Caia, J. 1976, Paleogeographical and sedimentological controls of copper, lead, and zinc mineralization in the Lower Cretaceous sandstones of Africa: Economic Geology, V. 71, p. 409-422

DepositID 7 **Cont** AF **NameDeposit** Merija

OtherNames Meridja

Includes

Country Code ALGR Algeria

Lat.Deg 31 **Long.Deg** -2 **Dec.Lat** 31.5 **StateProvince**

Lat.Min 30 **Long.Min** -58 **Dec.Long** -2.96666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Cretaceous **Ma** 120 **Unit**

HostRocks Conglomerate, white sandstone, siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Caia, J. 1976, Paleogeographical and sedimentological controls of copper, lead, and zinc mineralization in the Lower Cretaceous sandstones of Africa: Economic Geology, V. 71, p. 409-422

DepositID 8 **Cont** AF **NameDeposit** Argana

OtherNames

Includes

Country Code MRCO Morocco

Lat.Deg 30 **Long.Deg** -9 **Dec.Lat** 30.7833333 **StateProvince**

Lat.Min 47 **Long.Min** -06 **Dec.Long** -9.1

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Triassic **Ma** 225 **Unit**

HostRocks Red argillaceous sandstone, bleached

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Calcareous cement. Little or no organic matter

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 9 Cont AF NameDeposit Tirzzitt

OtherNames

Includes

Country Code MRCO Morocco

Lat.Deg 30 Long.Deg -7 Dec.Lat 30.4666667 StateProvince

Lat.Min 28 Long.Min -30 Dec.Long -7.5

Lat.Sec 0 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age U. Proterozoic Ma 900 Unit

HostRocks Red and green sandstone and mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 10 **Cont** AF **NameDeposit** Talat n Ouamane

OtherNames

Includes

Country Code MRCO Morocco

Lat.Deg 30 **Long.Deg** -8 **Dec.Lat** 30.0944444 **StateProvince**

Lat.Min 5 **Long.Min** -21 **Dec.Long** -8.35

Lat.Sec 40 **Long.Sec**

OreMmt 3 **CuGrade%** 1.5 **CoGrade%** **AgGradeppm**

CuMmt .045

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit**

HostRocks siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 11 Cont AF NameDeposit Iminirfi

OtherNames

Includes

Country Code MRCO Morocco

Lat.Deg 30 Long.Deg -8 Dec.Lat 30.0625 StateProvince

Lat.Min 03 Long.Min -24 Dec.Long -8.40833333

Lat.Sec 45 Long.Sec -30

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age U. Proterozoic Ma 900 Unit

HostRocks Dolomite, limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 12 Cont AF NameDeposit Agoujgal

OtherNames

Includes

Country Code MRCO Morocco

Lat.Deg 29 Long.Deg -9 Dec.Lat 29.3833333 StateProvince

Lat.Min 23 Long.Min -2 Dec.Long -9.03333333

Lat.Sec Long.Sec

OreMmt 0.8 CuGrade% 1.7 CoGrade% AgGradeppm

CuMmt .0136

Subtype Uncl.

Age U. Proterozoic Ma 900 Unit

HostRocks Arkose

HangingwallBeds Dolomite, gypsum

FootwallRocks Siltstone

Mineralogy

TraceMinerals

Comments

Reference Chazan, W., and Fauvelet, E., 1962, Copper stratiform deposits in western Anti Atlas (Morocco) *in* Lombard, J. and Nicolini, P. Stratiform copper deposits in Africa, Part 1, Lithology and sedimentology: International GeologicCongress, 20th, Copenhagen, 1960, p. 43-52.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

:

DepositID 13 Cont AF NameDeposit W Araba

OtherNames

Includes

Country Code EGPT Egypt

Lat.Deg 29 Long.Deg 32 Dec.Lat 29.25 StateProvince

Lat.Min 15 Long.Min 28 Dec.Long 32.4666667

Lat.Sec 0 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Caboniferous Ma 320 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Malachite, azurite, chrysocolla

TraceMinerals

Comments

Reference Habashi F. and Bassyouni, F.A., 1982, Mineral resources of the Arab countries: Quebec, Chemecon Publishing Ltd.,Laval Univ., 2nd Edition.112 p.

DepositID 14 **Cont** AF **NameDeposit** Sarabit Al Khadin

OtherNames

Includes

Country Code EGPT Egypt

Lat.Deg 28 **Long.Deg** 32 **Dec.Lat** 28.9666667 **StateProvince**

Lat.Min 58 **Long.Min** 28 **Dec.Long** 32.4666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age L. Carboniferous **Ma** 340 **Unit**

HostRocks Sandstone, clay

HangingwallBeds

FootwallRocks

Mineralogy Malachite, azurite, chrysocolla

TraceMinerals

Comments

Reference Habashi F. and Bassyouni, F.A., 1982, Mineral resources of the Arab countries: Quebec, Chemecon Publishing Ltd.,Laval Univ., 2nd Edition.112 p.

DepositID 15 **Cont** AF **NameDeposit** Adrar Ouanas

OtherNames

Includes

Country Code MRCO Morocco

Lat.Deg 28 **Long.Deg** -9 **Dec.Lat** 28.2666667 **StateProvince**

Lat.Min 16 **Long.Min** -14 **Dec.Long** -9.23333333

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age L. Cambrian **Ma** 560 **Unit**

HostRocks Dolomite, calcareous shale, mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 16 **Cont** AF **NameDeposit** Ras Banas

OtherNames

Includes

Country Code EGPT Egypt

Lat.Deg 23 **Long.Deg** 35 **Dec.Lat** 23.9833333 **StateProvince**

Lat.Min 59 **Long.Min** 40 **Dec.Long** 35.6666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Miocene **Ma** 12 **Unit**

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Malachite, azurite, chrysocolla

TraceMinerals

Comments

Reference Habashi F. and Bassyouni, F.A., 1982, Mineral resources of the Arab countries: Quebec, Chemecon Publishing Ltd.,Laval Univ., 2nd Edition.112 p.

DepositID 17 Cont AF NameDeposit Agadez

OtherNames

Includes

Country Code NGRA Nigeria

Lat.Deg 16 Long.Deg 7 Dec.Lat 16.9833333 StateProvince

Lat.Min 59 Long.Min 56 Dec.Long 7.93333333

Lat.Sec 0 Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Cretaceous Ma 130 Unit

HostRocks Conglomerate, argillite, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 18 **Cont** AF **NameDeposit** Niami

OtherNames

Includes

Country Code MALI Mali

Lat.Deg 15 **Long.Deg** -9 **Dec.Lat** 15.1666667 **StateProvince**

Lat.Min 10 **Long.Min** -59 **Dec.Long** -9.98333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L.Cambrian **Ma** 560 **Unit**

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Malachite, chrysocolla, chalcocite

TraceMinerals

Comments Southwest of Nioro. Kiffa Series. Mineralized bed 0.3 to 8 m thick. Grade < 1% Cu

Reference Anon., 1987, Mineral resources of Mali: United Nations Development Program, DTDC
MLI / 85 / 007 Project, 42 p.

DepositID 19 Cont AF NameDeposit Gangonterry

OtherNames

Includes

Country Code MALI Mali

Lat.Deg 14 Long.Deg -9 Dec.Lat 14.0833333 StateProvince

Lat.Min 05 Long.Min -45 Dec.Long -9.75

Lat.Sec 0 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age L.Cambrian Ma 560 Unit

HostRocks Black shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments North of Bafoulabe, SE of Kayes. Kiffa Series. Mineralized bed severalcm thick. Grade 0.5% Cu

Reference Anon., 1987, Mineral resources of Mali: United Nations Development Program, DTDC MLI / 85 / 007 Project, 42 p.

DepositID	20	Cont	AF	NameDeposit	Falea
OtherNames					
Includes					
Country Code	MALI	Mali			
Lat.Deg	12	Long.Deg	-11	Dec.Lat	12.266667
Lat.Min	16	Long.Min	-21	Dec.Long	-11.35
Lat.Sec	0	Long.Sec	0		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Uncl.				
Age	U. Proterozoic			Ma	900
	Unit				
HostRocks	Sandstone				
HangingwallBeds					
FootwallRocks					
Mineralogy	Chalcopyrite, bornite, covellite, tennantite, pyrite, arsenopyrite				
TraceMinerals	Galena				
Comments	Kania Fm., Taoudeni Basin. Cu grades 1.46 to 4.7 %.				
Reference	Anon., 1987, Mineral resources of Mali: United Nations Development Program, DTDC MLI / 85 / 007 Project, 42 p.				

DepositID 21 Cont AF NameDeposit N' Toum

OtherNames

Includes

Country Code GABN Gabon

Lat.Deg 01 Long.Deg 9 Dec.Lat 1.08333333 StateProvince

Lat.Min 05 Long.Min 59 Dec.Long 9.98333333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Cretaceous, L.Aptian Ma 115 Unit

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Caia, J. 1976, Paleogeographical and sedimentological controls of copper, lead, and zinc mineralization in the Lower Cretaceous sandstones of Africa: Economic Geology, V. 71, p. 409-422

DepositID 22 Cont AF NameDeposit Kilembe

OtherNames

Includes

Country Code UGND Uganda

Lat.Deg 0 Long.Deg 30 Dec.Lat .216666667 StateProvince

Lat.Min 13 Long.Min 3 Dec.Long 30.05

Lat.Sec Long.Sec

OreMmt 19.5 CuGrade% 1.87 CoGrade% 0.15 AgGradeppm

CuMmt .36465

Subtype Uncl.

Age L. Proterozoic Ma 2000 Unit

HostRocks Meta dolomitic shale. Banded oligoclase-hornblende-biotite-epidote-quartz

HangingwallBeds Meta siliceous dolomite

FootwallRocks Meta dolomite. Fine-grained albite-pyroxine-amphibole-quartz-epidote rock

Mineralogy Chalcopyrite, pyrite, pyrrhotite, magnetite

TraceMinerals Linnaeite, sphalerite, gold, marcasite, molybdenite, pentlandite

Comments

Reference Barnes, J.W., Barbour, E.A., and Smit, J.S., 1962, Kilembe copper mine—Uganda, Chapter XIV in Lombard, J. and Nicolini, P. Stratiform copper deposits in Africa, Part 1, Lithology and sedimentology: International GeologicCongress, 20th, Copenhagen,1960, p. 185-195.

DepositID 23 Cont AF NameDeposit Minduli

OtherNames

Includes Mt Passa

Country Code CNGO Congo Brazzaville

Lat.Deg -04 Long.Deg 15 Dec.Lat -4.23333333 StateProvince

Lat.Min -14 Long.Min 14 Dec.Long 15.2333333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Proterozoic Ma 1500 Unit

HostRocks Sandstone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Goosens, P.J., 1983, Precambrian mineral deposits and their metallogeny: MuseeRoyal de L'Afrique Centrale, Tervuran, Belgique, Annales, Serie IN-8, Sciences Geologique, No. 89.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID	24	Cont	NameDeposit	Dikulushi
OtherNames				
Includes				
Country Code	ZIRE	Democratic Republic of Congo		
Lat.Deg	-9	Long.Deg	28	Dec.Lat -9.16666667 StateProvince
Lat.Min	-10	Long.Min	15	Dec.Long 28.25
Lat.Sec		Long.Sec		
OreMmt	1.94	CuGrade%	8.59	CoGrade% AgGradeppm 266
		CuMmt	.166646	
Subtype	Reduced facies Cu			
Age		Ma	Unit	
HostRocks	silstone, dolomite			
HangingwallBeds				
FootwallRocks				
Mineralogy	Chalcocite, bornite			
TraceMinerals				
Comments				
Reference	Anvil Mining Co. Web Site.			

DepositID 25 **Cont** AF **NameDeposit** Tenke

OtherNames

Includes Fwalu, Kwatebala, Goma

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -10 **Long.Deg** 26 **Dec.Lat** -10.58 **StateProvince**

Lat.Min -34 **Long.Min** 9 **Dec.Long** 26.1533333

Lat.Sec -48 **Long.Sec** 12

OreMmt 195 **CuGrade%** 3.3 **CoGrade%** .37 **AgGradeppm**

CuMmt 6.435

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks Dolomitic, carbonaceous, pyritic shale and siltstone

HangingwallBeds Siliceous dolomite

FootwallRocks Siliceous dolomite

Mineralogy Chalcocite, bornite, carbon

TraceMinerals Chalcopyrite, carrollite, covellite

Comments Two ore beds with siliceous dolomite between.

Reference Oosterbosch, R, 1951, Copper mineralization in the Fungurune region, Katanga: Economic Geology, v. 46, p. 121-148.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 26 **Cont** AF **NameDeposit** Fungurume

OtherNames

Includes

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -10 **Long.Deg** 26 **Dec.Lat** -10.6 **StateProvince**

Lat.Min -36 **Long.Min** 18 **Dec.Long** 26.3008333

Lat.Sec **Long.Sec** 3

OreMmt 1370 **CuGrade%** 2.68 **CoGrade%** .3 **AgGradeppm**

CuMmt 36.716

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup.

HostRocks Dolomitic, carbonaceous, pyritic shale and siltstone

HangingwallBeds Siliceous dolomite

FootwallRocks Siliceous dolomite

Mineralogy Chalcocite, bornite, carbon

TraceMinerals Chalcopyrite, carrollite, covellite

Comments Two ore beds with siliceous dolomite between

Reference Oosterbosch, R, 1951, Copper mineralization in the Fungurune region, Katanga: Economic Geology, v. 46, p. 121-148.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 27 Cont AF NameDeposit Mutoshi

OtherNames

Includes

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -10 Long.Deg 25 Dec.Lat -10.6666667 StateProvince

Lat.Min -40 Long.Min 31 Dec.Long 25.5166667

Lat.Sec Long.Sec

OreMmt 80 CuGrade% 1.95 CoGrade% AgGradeppm

CuMmt 1.56

Subtype Reduced facies Cu

Age U. Proterozoic Ma 900 Unit Mines Group, Roan Supergroup.

HostRocks Dolomitic, carbonaceous, pyritic shale and siltstone

HangingwallBeds Siliceous dolomite

FootwallRocks Dolomitic chloritic hematitic quartz sandstone

Mineralogy Chalcopyrite, bornite, chalcocite, pyrite, carrollite, carbon

TraceMinerals

Comments East end of Kolwesi Dome, 10 km from nearest deposit. Siliceous dolomite bed lies between two ore-bearing beds

Reference Bartholome, P., Evrard, P., Katekesha, F., Lopez-Ruiz, J. and Ngongo, M. 1976, Diagenetic ore-forming processes at Kamoto, Katanga, Republic of Congo, *in* Amstutz G. C., and Barnard, A. J., eds., Ores in sediments: New York, Springer-Verlag, p. 21-42.

Bowen, R., and Gunatilaka, A, 1977, Copper: its geology and economics: New York, John Wiley&Sons, 366 p.

Cailteux, J., 1986, Diagenetic sulfide mineralization within the stratiform copper-cobalt deposit of West Kambove (Shaba-Zaire). Sequence of mineralization in sediment-hosted copper deposits. *in* Friedrich, G.H., Genkin, A.D., Naldrett, A.J., Ridge, J.D., Sillitoe, R.H., and Vokes, F.M. Geology and Metallogeny of Copper Deposits, Proceedings 27th International Geological Congress, Moscow, 1984: Berlin, Springer-Verlag, 398-411 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 28 Cont AF NameDeposit Kakanda

OtherNames

Includes

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -10 Long.Deg 26 Dec.Lat -10.725 StateProvince

Lat.Min -43 Long.Min 24 Dec.Long 26.4069444

Lat.Sec -30 Long.Sec 25

OreMmt 30 CuGrade% 3.7 CoGrade% .2 AgGradeppm

CuMmt 1.11

Subtype Reduced facies Cu

Age U. Proterozoic Ma 900 Unit Mines Group, Roan Supergroup

HostRocks Dolomitic, carbonaceous, pyritic shale and siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bowen, R., and Gunatilaka, A, 1977, Copper: its geology and economics: New York, John Wiley&Sons, 366 p.

Cailteux, J., 1986, Diagenetic sulfide mineralization within the stratiform copper-cobalt deposit of West Kambove (Shaba-Zaire). Sequence of mineralization in sediment-hosted copper deposits. *in* Friedrich, G.H., Genkin, A.D., Naldrett, A.J., Ridge, J.D., Sillitoe, R.H., and Vokes, F.M. Geology and Metallogeny of Copper Deposits, Proceedings 27th International Geological Congress, Moscow, 1984: Berlin, Springer-Verlag, p. 398-411

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID	29	Cont	AF	NameDeposit	Kolwezi
OtherNames	Kolwezi Dome				
Includes	Dikuluwe, Mashamba, Kamoto, Mupine, Musonoi				
Country Code	ZIRE	Democratic Republic of Congo			
Lat.Deg	-10	Long.Deg	25	Dec.Lat	-10.7333333
Lat.Min	-44	Long.Min	25	Dec.Long	25.4166667
Lat.Sec		Long.Sec			
OreMmt	761	CuGrade%	4.4	CoGrade%	0.3
		CuMmt	33.484	AgGradeppm	
Subtype	Reduced facies Cu				
Age	U. Proterozoic	Ma	900	Unit	Mines Group, Roan Supergroup
HostRocks	Dolomitic, carbonaceous, pyritic shale and siltstone				
HangingwallBeds	Siliceous dolomite				
FootwallRocks	Dolomitic chloritic hematitic quartz sandstone				
Mineralogy	Chalcopyrite, bornite, chalcocite, pyrite, carrollite, carbon				
TraceMinerals					
Comments	Ore beds broken by thrust faults and stacked one over the other. Siliceous dolomite bed lies between two ore-bearing beds				
Reference	Bartholome, P., Evrard, P., Katekesha, F., Lopez-Ruiz, J. and Ngongo, M. 1976, Diagenetic ore-forming processes at Kamoto, Katanga, Republic of Congo, <i>in</i> Amstutz G. C., and Barnard, A. J., eds., Ores in sediments: New York, Springer-Verlag, p. 21-42. Bowen, R., and Gunatilaka, A, 1977, Copper: its geology and economics: New York, John Wiley&Sons, 366 p. Cailteux, J., 1986, Diagenetic sulfide mineralization within the stratiform copper-cobalt deposit of West Kambove (Shaba-Zaire). Sequence of mineralization in sediment-hosted copper deposits (Part 2)) <i>in</i> Friedrich, G.H., Genkin, A.D., Naldrett, A.J., Ridge, J.D., Sillitoe, R.H., and Vokes, F.M., Geology and Metallogeny of Copper Deposits: Proceedings 27th International Geological Congress, Moscow, 1984: Berlin, Springer-Verlag, p. 398-411. Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.				

DepositID 30 **Cont** AF **NameDeposit** Kamfundwa

OtherNames

Includes

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -10 **Long.Deg** 26 **Dec.Lat** -10.8083333 **StateProvince**

Lat.Min -48 **Long.Min** 35 **Dec.Long** 26.5905556

Lat.Sec -30 **Long.Sec** 26

OreMmt 10 **CuGrade%** 2.75 **CoGrade%** 0.3 **AgGradeppm**

CuMmt .275

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 31 **Cont** AF **NameDeposit** Kabolela

OtherNames

Includes

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -10 **Long.Deg** 26 **Dec.Lat** -10.84 **StateProvince**

Lat.Min -50 **Long.Min** 28 **Dec.Long** 26.4805556

Lat.Sec -24 **Long.Sec** 50

OreMmt 5 **CuGrade%** 4.1 **CoGrade%** 1.07 **AgGradeppm**

CuMmt .205

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 32 **Cont** **AF** **NameDeposit** Sesa

OtherNames Msesa

Includes

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -10 **Long.Deg** 26 **Dec.Lat** -10.845 **StateProvince**

Lat.Min -50 **Long.Min** 37 **Dec.Long** 26.6186111

Lat.Sec -42 **Long.Sec** 7

OreMmt 8 **CuGrade%** 5.75 **CoGrade%** 0.2 **AgGradeppm**

CuMmt .46

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 33 **Cont** AF **NameDeposit** Kambove

OtherNames

Includes

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -10 **Long.Deg** 26 **Dec.Lat** -10.8791667 **StateProvince**

Lat.Min -52 **Long.Min** 36 **Dec.Long** 26.6063889

Lat.Sec -45 **Long.Sec** 23

OreMmt 35 **CuGrade%** 7 **CoGrade%** 0.4 **AgGradeppm**

CuMmt 2.45

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks Dolomitic, carbonaceous, pyritic shale and siltstone

HangingwallBeds Stromatolitic dolomite

FootwallRocks Stromatolitic dolomite

Mineralogy Chalcopyrite, bornite pyrite, digenite, chalcocite, carrollite, carbon

TraceMinerals

Comments Two ore beds with stromatolitic dolomite between. Zoned py-cp-bn-cp-py

Reference Bowen, R., and Gunatilaka, A, 1977, Copper: its geology and economics: New York, John Wiley&Sons, 366 p.

Cailteux, J., 1986, Diagenetic sulfide mineralization within the stratiform copper-cobalt deposit of West Kambove (Shaba-Zaire). Sequence of mineralization in sediment-hosted copper deposits (Part 2)) *in* Friedrich, G.H., Genkin, A.D., Naldrett, A.J., Ridge, J.D., Sillitoe, R.H., and Vokes, F.M. Geology and Metallogeny of Copper Deposits, Proceedings 27th International Geological Congress, Moscow, 1984: Berlin, Springer-Verlag, p. 398-411.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 34 Cont AF NameDeposit Kamatanda

OtherNames

Includes

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -10 Long.Deg 26 Dec.Lat -10.9497222 StateProvince

Lat.Min -56 Long.Min 46 Dec.Long 26.7766667

Lat.Sec -59 Long.Sec 36

OreMmt 10 CuGrade%5 CoGrade% AgGradeppm

CuMmt .5

Subtype Reduced facies Cu

Age U. Proterozoic Ma 900 Unit Mines Group, Roan Supergroup

HostRocks Dolomitic shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Cailteux, J., 1986, Diagenetic sulfide mineralization within the stratiform copper-cobalt deposit of West Kambove (Shaba-Zaire). Sequence of mineralization in sediment-hosted copper deposits. *in* Friedrich, G.H., Genkin, A.D., Naldrett, A.J., Ridge, J.D., Sillitoe, R.H., and Vokes, F.M. *Geology and Metallogeny of Copper Deposits*, Proceedings 27th International Geological Congress, Moscow, 1984: Berlin, Springer-Verlag, 398-411 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 35 **Cont** AF **NameDeposit** Menda Mendipe

OtherNames

Includes

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -10 **Long.Deg** 25 **Dec.Lat** -10.9766667 **StateProvince**

Lat.Min -58 **Long.Min** 55 **Dec.Long** 25.925

Lat.Sec -36 **Long.Sec** 30

OreMmt 30 **CuGrade%** 3 **CoGrade%** 0.2 **AgGradeppm**

CuMmt .9

Subtype Uncl.

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup.

HostRocks Dolomitic, carbonaceous, pyritic shale and siltstone

HangingwallBeds Stromatolitic dolomite

FootwallRocks Dolomite, sandstone

Mineralogy

TraceMinerals

Comments

Reference Bowen, R., and Gunatilaka, A, 1977, Copper: its geology and economics: New York, John Wiley&Sons, 366 p.

Francois, A., 1974, Stratigraphie, tectonique et mineralisation dans l'arc cuprifère du Shaba (Republique du Zaïre) *in* Bartholomé, Paul, ed. Gisements Statiform et Provinces Cuprifère: Liège, Société Géologique de Belgique, 427 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 36 **Cont** AF **NameDeposit** Novo Redondo

OtherNames

Includes

Country Code ANGL Angola

Lat.Deg -11 **Long.Deg** 14 **Dec.Lat** -11.0083333 **StateProvince**

Lat.Min 0 **Long.Min** 30 **Dec.Long** 14.5

Lat.Sec -30 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Cretaceous, Lower Aptian **Ma** 115 **Unit**

HostRocks Conglomeratic arkosic sandstone

HangingwallBeds

FootwallRocks

Mineralogy Chrysocolla

TraceMinerals

Comments

Reference Van Eden, J.G., 1978, Stratiform copper and zinc mineralization in the Cretaceous of Angola: Economic Geology, v. 73, p. 1154-1160.

DepositID 37 Cont AF NameDeposit Kalongwe

OtherNames

Includes

Country Code ZIRE Democratic Republic of Congo

StateProvince Shaba

Lat.Deg -11 Long.Deg 25 Dec.Lat -11.0266667

Lat.Min -01 Long.Min 12 Dec.Long 25.2083333

Lat.Sec -36 Long.Sec 30

OreMmt

CuGrade%

CoGrade%

AgGradeppm

CuMmt

Subtype Uncl.

Age U. Proterozoic

Ma 600

Unit Mines Group, Roan Supergroup

HostRocks Siliceous dolomite

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite

TraceMinerals Bornite, linnaeite

Comments Includes cross cutting veins with uraninite

Reference Oosterbosch, R., 1962, Les minéralisations dans le système de Roan au Katanga (Chapter VIII) *in* Lombard, J. and Nicolini, P. Stratiform copper deposits in Africa, Part 1, Lithology and sedimentology: International Geologic Congress, 20th, Copenhagen, 1960, p. 71-136.

DepositID 38 Cont AF NameDeposit Cachoeiras de Binga

OtherNames

Includes

Country Code ANGL Angola

Lat.Deg - 11 Long.Deg 14 Dec.Lat -11.0833333 StateProvince

Lat.Min -5 Long.Min 5 Dec.Long 14.0944444

Lat.Sec Long.Sec 40

OreMmt 7 CuGrade%2 CoGrade% AgGradeppm

CuMmt .14

Subtype Reduced facies Cu

Age Cretaceous, L.Aptian Ma 115 Unit

HostRocks Fine sandstone, siltstone, argillite, coal

HangingwallBeds Evaporite, limestone

FootwallRocks Red sandstone, conglomerate

Mineralogy Bornite, chalcopyrite, chalcocite, carbon

TraceMinerals

Comments

Reference Caia, J. 1976, Paleogeographical and sedimentological controls of copper, lead, and zinc mineralization in the Lower Cretaceous sandstones of Africa: Economic Geology, V. 71, p. 409-422.

Van Eden, J.G.1978, Stratiform copper and zinc mineralization in the Cretaceous of Angola: Economic Geology, V. 73, p. 1154-1160.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 39 **Cont** **AF** **NameDeposit** Kimbwe

OtherNames

Includes

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -11 **Long.Deg** 27 **Dec.Lat** -11.1416667 **StateProvince**

Lat.Min -8 **Long.Min** 30 **Dec.Long** 27.5105556

Lat.Sec -30 **Long.Sec** 38

OreMmt 50 **CuGrade%** 4 **CoGrade%** **AgGradeppm**

CuMmt 2

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks Dolomitic shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 40 Cont AF NameDeposit Luishia

OtherNames

Includes

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -11 Long.Deg 27 Dec.Lat -11.1688889 StateProvince

Lat.Min -10 Long.Min 0 Dec.Long 27.0091667

Lat.Sec -8 Long.Sec 33

OreMmt 43 CuGrade% 4.21 CoGrade% 0.2 AgGradeppm

CuMmt 1.8103

Subtype Reduced facies Cu

Age U. Proterozoic Ma 900 Unit Mines Group, Roan Supergroup

HostRocks Dolomitic shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Cailteux, J., 1986, Diagenetic sulfide mineralization within the stratiform copper-cobalt deposit of West Kambove (Shaba-Zaire). Sequence of mineralization in sediment-hosted copper deposits. *in* Friedrich, G.H., Genkin, A.D., Naldrett, A.J., Ridge, J.D., Sillitoe, R.H., and Vokes, F.M. *Geology and Metallogeny of Copper Deposits*, Proceedings 27th International Geological Congress, Moscow, 1984: Berlin, Springer-Verlag, 398-411 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 41 **Cont** AF **NameDeposit** Lukuni

OtherNames

Includes

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -11 **Long.Deg** 27 **Dec.Lat** -11.5138889 **StateProvince**

Lat.Min -30 **Long.Min** 25 **Dec.Long** 27.4205556

Lat.Sec -50 **Long.Sec** 14

OreMmt 10 **CuGrade%** 4.86 **CoGrade%** 0.1 **AgGradeppm**

CuMmt .486

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks Dolomitic shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Uranium vein deposits nearby

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 42 **Cont** **AF** **NameDeposit** Lupato

OtherNames

Includes

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -11 **Long.Deg** 27 **Dec.Lat** -11.62111111 **StateProvince**

Lat.Min -37 **Long.Min** 15 **Dec.Long** 27.2616667

Lat.Sec -16 **Long.Sec** 42

OreMmt 5 **CuGrade%** 4 **CoGrade%** 0.2 **AgGradeppm**

CuMmt .2

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks Dolomitic shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 43 **Cont** AF **NameDeposit** Etoile

OtherNames l'Etoile, Star of the Congo

Includes

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -11 **Long.Deg** 27 **Dec.Lat** -11.6483333 **StateProvince**

Lat.Min -38 **Long.Min** 34 **Dec.Long** 27.5772222

Lat.Sec -54 **Long.Sec** 38

OreMmt 40 **CuGrade%** 4.375 **CoGrade%** 0.5 **AgGradeppm**

CuMmt 1.75

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks Laminated siltstone, dolomitic shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 44 Cont AF NameDeposit Kipapila

OtherNames

Includes

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -12 Long.Deg 27 Dec.Lat -12.016667 StateProvince

Lat.Min -01 Long.Min 55 Dec.Long 27.916667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age U. Proterozoic Ma 900 Unit Mines Group, Roan Supergroup

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, bornite, albite, tourmaline, clay

TraceMinerals

Comments

Reference Francois, A., 1974, Stratigraphie, tectonique et mineralisation dans l'arc cuprifère du Shaba (Republique du Zaïre) *in* Bartholomé, Paul, ed. Gisements Statiform et Provinces Cuprifère: Liège, Société Géologique de Belgique, 427 p.

Lefebvre, J.J., 1989, Depositional environment of copper-cobalt mineralization in the Katanga sediments of southeast Shaba, Zaïre *in* Boyle, R.W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36. p. 401-426.

DepositID 45 Cont AF NameDeposit Lubwe

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 Long.Deg 25 Dec.Lat -12.0516667 StateProvince

Lat.Min -3.1 Long.Min 57 Dec.Long 25.9583333

Lat.Sec Long.Sec 30

OreMmt 70 CuGrade%0.8 CoGrade% AgGradeppm

CuMmt .56

Subtype Uncl.

Age U. Proterozoic Ma 900 Unit

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 46 **Cont** AF **NameDeposit** Kansanshi

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 **Long.Deg** 26 **Dec.Lat** -12.0833333 **StateProvince**

Lat.Min -5 **Long.Min** 25 **Dec.Long** 26.4166667

Lat.Sec **Long.Sec**

OreMmt 3.4 **CuGrade%** 2.75 **CoGrade%** **AgGradeppm**

CuMmt .0935

Subtype Uncl.

Age Cambrian **Ma** 512 **Unit** Kundelungu Grp.

HostRocks Quartz-biotite schist, biotite-garnet schist, carbonaceous phyllite, marble

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, pyrite, pyrrhotite, molybdenite, brannerite, monazite

TraceMinerals

Comments U-Pb and Re-Os ages of brannerite, molydenite and monazite indicate 2 pulses of mineralization at 512 and 502 Ma. Possible IOCG deposit

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

Torrealdy, H.I., Hitzman, M.W., Stein, H.J., Markeley, R.J., Armstrong, R., and Broughton, D, 2000, Re-Os and U-Pb dating of vein-hosted mineralization at the Kansanshi copper deposit, northern Zambia, Economic geology, v.95, p. 1165-1170

DepositID 47 **Cont** AF **NameDeposit** Malundwe-Lumwana

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 **Long.Deg** 25 **Dec.Lat** -12.1616667 **StateProvince**

Lat.Min -9 **Long.Min** 45 **Dec.Long** 25.7541667

Lat.Sec -42 **Long.Sec** 15

OreMmt 125 **CuGrade%** 1.03 **CoGrade%** **AgGradeppm**

CuMmt 1.2875

Subtype Uncl.

Age U. Proterozoic **Ma** 900 **Unit**

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 48 **Cont** AF **NameDeposit** Chimiwungo-Lumwana

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 **Long.Deg** 25 **Dec.Lat** -12.178889 **StateProvince**

Lat.Min -10 **Long.Min** 51 **Dec.Long** 25.8513889

Lat.Sec -44 **Long.Sec** 05

OreMmt 953 **CuGrade%** 0.64 **CoGrade%** **AgGradeppm**

CuMmt 6.0992

Subtype Uncl.

Age U. Proterozoic **Ma** 900 **Unit**

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.g

DepositID 49 Cont AF NameDeposit Musoshi (see Konkola)

OtherNames

Includes

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -12 Long.Deg 27 Dec.Lat -12.2658333 StateProvince

Lat.Min -15 Long.Min 42 Dec.Long 27.7136111

Lat.Sec -57 Long.Sec 49

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age U. Proterozoic Ma 900 Unit Mines Group, Roan Supergroup

HostRocks Black biotite silstone

HangingwallBeds shale, arkose

FootwallRocks hematitic arkose, conglomerate

Mineralogy Chalcopyrite, bornite

TraceMinerals

Comments Footwall cut by veins of quartz, hematite with rutile. U-Pb age 514 ± 2 Ma. Fluid inclusions indicate fluids with 54 wt % NaCl+KCl and T of 397°C

Reference Lefebvre, J.J., Depositional environment of copper-cobalt mineralization in the Katanga sediments of southeast Shaba, Zaire *in* Boyle, R.W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36. p. 401-426.

Richards, J.P., Krogh, T.E., and Spooner, E.T.C, 1988, Fluid inclusion characteristics and U-Pb rutile age of late hydrothermal alteration and veining at the Musoshi stratiform copper deposit, Central African Copper Belt, Zaire: Economic Geology, v. 83, p. 118-139.

DepositID 50 Cont AF NameDeposit Kinsenda

OtherNames

Includes

Country Code ZIRE Democratic Republic of Congo

Lat.Deg -12 Long.Deg 27 Dec.Lat -12.2752778 StateProvince

Lat.Min -16 Long.Min 58 Dec.Long 27.9672222

Lat.Sec -31 Long.Sec 2

OreMmt 31.75 CuGrade% 5.5 CoGrade% AgGradeppm

CuMmt 1.74625

Subtype Reduced facies Cu

Age U. Proterozoic Ma 900 Unit Mines Group, Roan Supergroup

HostRocks Gritty arkose

HangingwallBeds

FootwallRocks Mafic lava

Mineralogy Chalcocite, calcite gypsum, pyrite

TraceMinerals

Comments Three ore beds

Reference Lefebvre, J.J., 1989, Depositional environment of copper-cobalt mineralization in the Katanga sediments of southeast Shaba, Zaire *in* Boyle, R.W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36. p. 401-426.

Kirkham, R.V., Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 51 **Cont** AF **NameDeposit** Konkola-Kirila Bombwe

OtherNames Bancroft

Includes Musoshi in Shaba Prov.

Country Code ZMBA Zambia

Lat.Deg -12 **Long.Deg** 27 **Dec.Lat** -12.39 **StateProvince**

Lat.Min -23 **Long.Min** 49 **Dec.Long** 27.8263889

Lat.Sec -24 **Long.Sec** 35

OreMmt 584.5 **CuGrade%** 2.95 **CoGrade%** 0.07 **AgGradeppm**

CuMmt 17.24275

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks Siltstone, shale, feldspathic arenite

HangingwallBeds Arkose

FootwallRocks Quartzite, conglomerate

Mineralogy Bornite, chalopyrite, chalcocite

TraceMinerals

Comments North and south orebodies separated by a bioherm

Reference Annels, A.E., 1989, Ore genesis in the Zambian Copperbelt with particular reference to the northern sector of the Chambishi Basin, *in* Boyle, R.W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36. p. 427-452.

Fleischer, V.D., Garlick, W.D., and Haldane, R., 1976, Geology of the Zambian Copperbelt *in* Wolf, K. H., ed., Handbook of Strata-bound and Stratiform Ore Deposits, v. 6, Chapter 6, p.223-352.

Lefebvre, J.J., Depositional environment of copper-cobalt mineralization in the Katanga sediments of southeast Shaba, Zaire *in* Boyle, R.W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36. p. 401-426.

Kirkham, R.V., Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 52 Cont AF NameDeposit Luansobe

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 Long.Deg 28 Dec.Lat -12.4316667 StateProvince

Lat.Min -25 Long.Min 18 Dec.Long 28.3147222

Lat.Sec -54 Long.Sec 53

OreMmt 8.4 CuGrade% 1.6 CoGrade% AgGradeppm

CuMmt .1344

Subtype Redbed Cu

Age U. Proterozoic Ma 900 Unit Footwall Quartzite

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 53 **Cont** AF **NameDeposit** Mokambo

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 **Long.Deg** 28 **Dec.Lat** -12.4772222 **StateProvince**

Lat.Min -28 **Long.Min** 22 **Dec.Long** 28.3797222

Lat.Sec -38 **Long.Sec** 47

OreMmt 12.2 **CuGrade%** 1.8 **CoGrade%** **AgGradeppm**

CuMmt .2196

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 54 **Cont** AF **NameDeposit** English Mine

OtherNames Benguela

Includes

Country Code ANGL Angola

Lat.Deg -12 **Long.Deg** 13 **Dec.Lat** -12.5111111 **StateProvince**

Lat.Min -30 **Long.Min** 31 **Dec.Long** 13.5166667

Lat.Sec -40 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Cretaceous, L.Aptian **Ma** 115 **Unit**

HostRocks Fine sandstone, siltstone, argillite, coal

HangingwallBeds Evaporite, limestone

FootwallRocks Red sandstone, conglomerate

Mineralogy Bornite, chalcopyrite, chalcocite, carbon

TraceMinerals

Comments

Reference Caia, J. 1976, Paleogeographical and sedimentological controls of copper, lead, and zinc mineralization in the Lower Cretaceous sandstones of Africa: Economic Geology, V. 71, p. 409-422.

Van Eden, J.G.1978, Stratiform copper and zinc mineralization in the Cretaceous of Angola: Economic Geology, V. 73, p. 1154-1160

DepositID 55 Cont AF NameDeposit Mufulira

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 Long.Deg 28 Dec.Lat -12.5227778 StateProvince

Lat.Min -31 Long.Min 14 Dec.Long 28.2361111

Lat.Sec -22 Long.Sec 10

OreMmt 294.9 CuGrade% 3.36 CoGrade% AgGradeppm

CuMmt 9.90864

Subtype Reduced facies Cu

Age U. Proterozoic Ma 900 Unit Mines Group, Roan Supergroup

HostRocks Carbonaceous graywacke

HangingwallBeds Quartzite, dolomite

FootwallRocks Aeolian gypsiferous sandstone, conglomerate

Mineralogy Chalcopyrite, bornite

TraceMinerals Carrollite, tennantite, cobaltite

Comments Three ore beds. Carbon up to 2% in host rock. Drops to 0.5% in copper ore. Upper Roan Cu-Co orebody, 150 m above A orebody level with zinc-bearing blue shale .

Reference Fleischer, V.D., Garlick, W.D., and Haldane, R., 1976, Geology of the Zambian Copperbelt *in* Wolf, K. H., ed., Handbook of Strata-bound and Stratiform Ore Deposits, v. 6, Chapter 6, p.223-352.

Garlick, 1989, Genetic interpretation from ore relations to algal reefs in Zambia and Zaire *in* Boyle, R. W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36. p. 471-498.

Kirkham, R.V., Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 56 Cont AF NameDeposit Chingola

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 Long.Deg 27 Dec.Lat -12.55 StateProvince

Lat.Min -33 Long.Min 49 Dec.Long 27.8305556

Lat.Sec 00 Long.Sec 50

OreMmt 31.9 CuGrade%3.52 CoGrade% AgGradeppm

CuMmt 1.12288

Subtype Reduced facies Cu

Age U. Proterozoic Ma 900 Unit Mines Group, Roan Supergroup

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Annels, A.E., 1989, Ore genesis in the Zambian Copperbelt with particular reference to the northern sector of the Chambishi Basin, in Boyle, R.W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36. p. 427-452.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 57 Cont AF NameDeposit Nchanga

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 Long.Deg 27 Dec.Lat -12.525 StateProvince

Lat.Min -31 Long.Min 52 Dec.Long 27.8666667

Lat.Sec -30 Long.Sec 00

OreMmt 400 CuGrade% 3.64 CoGrade% AgGradeppm

CuMmt 14.56

Subtype Reduced facies Cu

Age U. Proterozoic Ma 900 Unit Mines Group, Roan Supergroup

HostRocks Carbonaceous shale, feldspathic quartzite

HangingwallBeds Shale, dolomite

FootwallRocks Arkose, granite

Mineralogy Bornite, chalcocite, chalcopyrite

TraceMinerals Carrollite

Comments

Reference Annels, A.E., 1989, Ore genesis in the Zambian Copperbelt with particular reference to the northern sector of the Chambishi Basin, *in* Boyle, R.W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., *Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36*. p. 427-452.

Fleischer, V.D., Garlick, W.D., and Haldane, R., 1976, Geology of the Zambian Copperbelt *in* Wolf, K.H., ed., *Handbook of Strata-bound and Stratiform Ore Deposits*, v. 6, Chapter 6, p.223-352.

Kirkham, R.V., Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 58 **Cont** AF **NameDeposit** Lubembe

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 **Long.Deg** 28 **Dec.Lat** -12.5863889 **StateProvince**

Lat.Min -35 **Long.Min** 21 **Dec.Long** 28.3655556

Lat.Sec -11 **Long.Sec** 56

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U. Proterozoic **Ma** 900 **Unit** Footwall Quartzite

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 59 Cont AF NameDeposit Mimbula

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 Long.Deg 27 Dec.Lat -12.6455556 StateProvince

Lat.Min -38 Long.Min 51 Dec.Long 27.8655556

Lat.Sec -44 Long.Sec 56

OreMmt 9 CuGrade%2.7 CoGrade% AgGradeppm

CuMmt .243

Subtype Reduced facies Cu

Age U. Proterozoic Ma 900 Unit Mines Group, Roan Supergroup

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 60 Cont AF NameDeposit Pitanda

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 Long.Deg 27 Dec.Lat -12.6583333 StateProvince

Lat.Min -39 Long.Min 59 Dec.Long 27.9866667

Lat.Sec -30 Long.Sec 12

OreMmt 15 CuGrade% 1.7 CoGrade% AgGradeppm

CuMmt .255

Subtype Redbed Cu

Age U. Proterozoic Ma 900 Unit Footwall Quartzite

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 61 Cont AF NameDeposit Chambishi

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 Long.Deg 28 Dec.Lat -12.6777778 StateProvince

Lat.Min -40 Long.Min 2 Dec.Long 28.0458333

Lat.Sec -40 Long.Sec 45

OreMmt 362.5 CuGrade% 2.87 CoGrade% AgGradeppm

CuMmt 10.40375

Subtype Reduced facies Cu

Age U. Proterozoic Ma 900 Unit Mines Group, Roan Supergroup

HostRocks Carbonaceous shale, siltstone, argillite, dolomite

HangingwallBeds Argillite, quartzite

FootwallRocks Conglomerate, quartzite

Mineralogy Chalcopyrite, pyrrhotite, pyrite

TraceMinerals Carrollite, Co-pentlandite, bornite, linnaeite

Comments Continuity of ore zone interrupted by dolomitic bioherms. Fluid Inclusions: salinity, 12-20 wt. % NaCl equiv.; homogenization temperatures, 130-150°C.

Reference Annels, A.E., 1989, Ore genesis in the Zambian Copperbelt with particular reference to the northern sector of the Chambishi Basin, in Boyle, R.W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36. p. 427-452.

Fleischer, V.D., 1984, Discovery, geology and genesis of copper-cobalt mineralization at Chambishi Southeast prospect, Zambia: Precambrian Research, v. 25, p. 119-133.

Fleischer, V.D., Garlick, W.D., and Haldane, R., 1976, Geology of the Zambian Copperbelt in Wolf, K. H., ed., Handbook of Strata-bound and Stratiform Ore Deposits, v. 6, Chapter 6, p.223-352.

Kirkham, R.V., Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 62 **Cont** **AF** **NameDeposit** Fitula

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 **Long.Deg** 27 **Dec.Lat** -12.6819444 **StateProvince**

Lat.Min -40 **Long.Min** 55 **Dec.Long** 27.9166667

Lat.Sec -55 **Long.Sec** 00

OreMmt 4.1 **CuGrade%** 5.28 **CoGrade%** **AgGradeppm**

CuMmt .21648

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 63 **Cont** AF **NameDeposit** Pitanda South

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 **Long.Deg** 27 **Dec.Lat** -12.7133333 **StateProvince**

Lat.Min -42 **Long.Min** 58 **Dec.Long** 27.9766667

Lat.Sec -48 **Long.Sec** 36

OreMmt 0.4 **CuGrade%** 1.68 **CoGrade%** **AgGradeppm**

CuMmt .00672

Subtype Redbed Cu

Age U. Proterozoic **Ma** 900 **Unit** Footwall Quartzite

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 64 Cont AF NameDeposit Kasaria

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 Long.Deg 28 Dec.Lat -12.7408333 StateProvince

Lat.Min -44 Long.Min 6 Dec.Long 28.1063889

Lat.Sec -27 Long.Sec 23

OreMmt 5 CuGrade%2.51 CoGrade% AgGradeppm

CuMmt .1255

Subtype Redbed Cu

Age U. Proterozoic Ma 900 Unit Footwall Quartzite

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 65 Cont AF NameDeposit Mwambashi

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 Long.Deg 28 Dec.Lat -12.7591667 StateProvince

Lat.Min -45 Long.Min 0 Dec.Long 28.0047222

Lat.Sec -33 Long.Sec 17

OreMmt 7.9 CuGrade% 2.72 CoGrade% 0.8 AgGradeppm

CuMmt .21488

Subtype Redbed Cu

Age U. Proterozoic Ma 900 Unit Footwall Quartzite

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Annels, A.E., 1989, Ore genesis in the Zambian Copperbelt with particular reference to the northern sector of the Chambishi Basin, in Boyle, R.W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36. p. 427-452.

Kirkham, R.V., Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 66 **Cont** AF **NameDeposit** Mindola-Nkana N-S

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 **Long.Deg** 28 **Dec.Lat** -12.8044444 **StateProvince**

Lat.Min -48 **Long.Min** 10 **Dec.Long** 28.1713889

Lat.Sec -16 **Long.Sec** 17

OreMmt 259.9 **CuGrade%** 3.06 **CoGrade%** 0.14 **AgGradeppm**

CuMmt 7.95294

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks Argillite, dolomite, cherty argillite

HangingwallBeds Sandstone, dolomite, argillite

FootwallRocks Sandstone, conglomerate

Mineralogy Bornite chalcopyrite, chalcocite

TraceMinerals Carrollite

Comments Barren gaps: ore beds replaced by siliceous dolomite bioherms. Cut by veins of pitchblende, uraninite, brannerite, coffinite, molybdenite, vanadinite. Age 520 Ma

Reference Fleischer, V.D., Garlick, W.D., and Haldane, R., 1976, Geology of the Zambian Copperbelt *in* Wolf, K.H., ed., Handbook of Strata-bound and Stratiform Ore Deposits, v. 6, Chapter 6, p.223-352.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 67 Cont AF NameDeposit Mwerkera

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 Long.Deg 28 Dec.Lat -12.8044444 StateProvince

Lat.Min -48 Long.Min 30 Dec.Long 28.5

Lat.Sec -16 Long.Sec -0

OreMmt 7.1 CuGrade% 1.53 CoGrade% AgGradeppm

CuMmt .10863

Subtype Redbed Cu

Age U. Proterozoic Ma 900 Unit Footwall Quartzite

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 68 **Cont** AF **NameDeposit** Chibuluma-Chibuluma West

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 **Long.Deg** 28 **Dec.Lat** -12.825 **StateProvince**

Lat.Min -49 **Long.Min** 7 **Dec.Long** 28.125

Lat.Sec -30 **Long.Sec** 30

OreMmt 26.7 **CuGrade%** 3.79 **CoGrade%** 0.21 **AgGradeppm**

CuMmt 1.01193

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks Sericitic arkose

HangingwallBeds Pyritic feldspathic arenite, conglomerate

FootwallRocks Arkose, conglomerate, aeolian quartzite

Mineralogy Chalcopyrite, bornite, Co-pyrite, carrollite, linnaeite

TraceMinerals

Comments Three sulfidite beds composed of Co-pyrite and linnaeite have 2 to 10 % Co. Sills of metagabbro. Rare quartz veins with galena and copper minerals

Reference Fleischer, V.D., Garlick, W.D., and Haldane, R., 1976, Geology of the Zambian Copperbelt *in* Wolf, K.H., ed., Handbook of Strata-bound and Stratiform Ore Deposits, v. 6, Chapter 6, p.223-352.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 69 **Cont** AF **NameDeposit** Nkana North Limb

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 **Long.Deg** 27 **Dec.Lat** -12.8319444 **StateProvince**

Lat.Min -49 **Long.Min** 10 **Dec.Long** 27.175

Lat.Sec -55 **Long.Sec** 30

OreMmt 51.7 **CuGrade%** 2.44 **CoGrade%** **AgGradeppm**

CuMmt 1.26148

Subtype Redbed Cu

Age U. Proterozoic **Ma** 900 **Unit** Footwall Quartzite

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 70 **Cont** AF **NameDeposit** Chibuluma South

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 **Long.Deg** 28 **Dec.Lat** -12.8333333 **StateProvince**

Lat.Min -50 **Long.Min** 3 **Dec.Long** 28.05

Lat.Sec **Long.Sec**

OreMmt 11.1 **CuGrade%** 4.33 **CoGrade%** **AgGradeppm**

CuMmt .48063

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 71 **Cont** AF **NameDeposit** Nkana South Limb

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 **Long.Deg** 28 **Dec.Lat** -12.8591667 **StateProvince**

Lat.Min -51 **Long.Min** 12 **Dec.Long** 28.2111111

Lat.Sec -33 **Long.Sec** 40

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U. Proterozoic **Ma** 900 **Unit** Lower Roan, Footwall Quartzite

HostRocks Argillite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 72 Cont AF NameDeposit Chifupu

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -12 Long.Deg 28 Dec.Lat -12.9166667 StateProvince

Lat.Min -55 Long.Min 3 Dec.Long 28.0541667

Lat.Sec Long.Sec 15

OreMmt 0.2 CuGrade%2.79 CoGrade% AgGradeppm

CuMmt .00558

Subtype Redbed Cu

Age U. Proterozoic Ma 900 Unit Footwall Quartzite

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 73 Cont AF NameDeposit Itawa

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -13 Long.Deg 28 Dec.Lat -13 StateProvince

Lat.Min 0 Long.Min 36 Dec.Long 28.6111111

Lat.Sec Long.Sec 40

OreMmt 40 CuGrade%0.76 CoGrade% AgGradeppm

CuMmt .304

Subtype Redbed Cu

Age U. Proterozoic Ma 900 Unit Footwall Quartzite

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 74 **Cont** AF **NameDeposit** Bwana Mkubwa

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -13 **Long.Deg** 28 **Dec.Lat** -13.0208333 **StateProvince**

Lat.Min -1 **Long.Min** 41 **Dec.Long** 28.6852778

Lat.Sec -15 **Long.Sec** 7

OreMmt 17.6 **CuGrade%** 3.24 **CoGrade%** **AgGradeppm**

CuMmt .57024

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks Feldspathic sandstone, graywacke, dolomitic siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Five superimposed ore beds

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 75 **Cont** AF **NameDeposit** Baluba (see Luanshya)

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -13 **Long.Deg** 28 **Dec.Lat** -13.05 **StateProvince**

Lat.Min -3 **Long.Min** 22 **Dec.Long** 28.3777778

Lat.Sec **Long.Sec** 40

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks Silty argillite

HangingwallBeds Arkose

FootwallRocks

Mineralogy Chalcopyrite, bornite, chalcocite, carrollite

TraceMinerals

Comments Ore beds continuous with Luanshya-Muliashi

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

Fleischer, V.D., Garlick, W.D., and Haldane, R., 1976, Geology of the Zambian Copperbelt *in* Wolf, K.H., ed., Handbook of Strata-bound and Stratiform Ore Deposits, v. 6, Chapter 6, p.223-352.

DepositID 76 **Cont** AF **NameDeposit** Muliashi (see Luanshiya)

OtherNames Roan extension

Includes

Country Code ZMBA Zambia

Lat.Deg -13 **Long.Deg** 28 **Dec.Lat** -13.0791667 **StateProvince**

Lat.Min -4 **Long.Min** 16 **Dec.Long** 28.275

Lat.Sec -45 **Long.Sec** 30

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup

HostRocks Silty argillite

HangingwallBeds

FootwallRocks Arkose, conglomerate, granite

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 77 **Cont** AF **NameDeposit** Luanshya
OtherNames Roan Antelope
Includes Muliashi-Roan extension and Baluba
Country Code ZMBA Zambia
Lat.Deg -13 **Long.Deg** 28 **Dec.Lat** -13.1305556 **StateProvince**
Lat.Min -7 **Long.Min** 23 **Dec.Long** 28.3833333
Lat.Sec -50 **Long.Sec**
OreMmt 306.7 **CuGrade%** 2.79 **CoGrade%** **AgGradeppm**
CuMmt 8.55693
Subtype Reduced facies Cu
Age U. Proterozoic **Ma** 900 **Unit** Mines Group, Roan Supergroup
HostRocks Silty argillite
HangingwallBeds Arkose
FootwallRocks Feldspathic arenite
Mineralogy Chalcocite, bornite, chalcopyrite
TraceMinerals Carrolite at Baluba only
Comments Basement schist and granite has quartz veins with chalcopyrite, pyrite, and pyrrhotite
Reference Fleischer, V.D., Garlick, W.D., and Haldane, R., 1976, Geology of the Zambian Copperbelt *in* Wolf, K.H., ed., Handbook of Strata-bound and Stratiform Ore Deposits, v. 6, Chapter 6, p.223-352.
Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 78 Cont AF NameDeposit Kalengwa

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -13 Long.Deg 25 Dec.Lat -13.4166667 StateProvince

Lat.Min -25 Long.Min 0 Dec.Long 25

Lat.Sec Long.Sec

OreMmt 4 CuGrade%8.7 CoGrade% AgGradeppm 20

CuMmt .348

Subtype Uncl.

Age U. Proterozoic Ma 900 Unit

HostRocks Conglomerate

HangingwallBeds Silty, dolomitic limestone

FootwallRocks Shale

Mineralogy Malachite, chalcocite

TraceMinerals

Comments Supergene. Includes 0.3 Mmt at 20% Cu

Reference Miller, W.E., and McGregor, J.A., 1967, The Kalengwa copper deposit in north western Zambia: Economic Geology, v.62. p. 781-797.

Van Eden J.G., and Binda, P.L., 1972, Scope of stratigraphic and sedimentological analysis of the Katanga Sequence, Zambia: Geologie en Mijnbouw, v. 51, p. 321-328

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 79 Cont AF NameDeposit Mufumbwe

OtherNames

Includes

Country Code ZMBA Zambia

Lat.Deg -13 Long.Deg 24 Dec.Lat -13.625 StateProvince

Lat.Min -37 Long.Min 47 Dec.Long 24.7833333

Lat.Sec -30 Long.Sec

OreMmt 5.2 CuGrade%2.3 CoGrade% AgGradeppm

CuMmt .1196

Subtype Uncl.

Age U. Proterozoic Ma 900 Unit

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 80 **Cont** AF **NameDeposit** Mangula

OtherNames

Includes

Country Code ZIMB Zimbabwe

Lat.Deg -16 **Long.Deg** 30 **Dec.Lat** -16.8794444 **StateProvince**

Lat.Min -52 **Long.Min** 9 **Dec.Long** 30.15

Lat.Sec -46 **Long.Sec**

OreMmt 62 **CuGrade%** 1.2 **CoGrade%** **AgGradeppm** 12

CuMmt .744

Subtype Uncl.

Age Mid Proterozoic **Ma** 1250 **Unit** Lomagubdi Suite, Dweras Grp

HostRocks Calcareous argillite, arkose

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, bornite, chalcopyrite, pyrite, hematite

TraceMinerals

Comments Deweras Group

Reference Maiden, K.J., Innes, A.H., King, M.J., Master, S., and Pettitt, I., 1984, Regional controls on the localization of stratabound copper deposits: Proterozoic examples from southern Africa and South Australia: *Precambrian Research*, V. 25, p. 99-118.

Newham, W.D.N., 1986, The Lomagundi and Sabi metallogenic provinces of Zimbabwe *in* Anhaeusser, C.R., and Maske, S., eds., *Mineral Deposits of Southern Africa*, v. 2: Geological Society of South Africa, p. 1351-1393

DepositID 81 Cont AF NameDeposit Norah

OtherNames

Includes

Country Code ZIMB Zimbabwe

Lat.Deg -16 Long.Deg 30 Dec.Lat -16.9272222 StateProvince

Lat.Min -55 Long.Min 9 Dec.Long 30.15

Lat.Sec -38 Long.Sec

OreMmt 10 CuGrade% 1.2 CoGrade% AgGradeppm

CuMmt .12

Subtype Uncl.

Age Mid Proterozoic Ma 1250 Unit Dweras Grp.

HostRocks Chloritic quartzite, arkose, argillite, anhydrite

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, bornite, chalcopyrite, pyrite, calcite, hematite

TraceMinerals

Comments 4 km south of Mangula. Stratigraphically higher. Ore follows epidiorite sill. Evidence of evaporites present

Reference Maiden, K.J., Innes, A.H., King, M.J., Master, S., and Pettitt, I., 1984, Regional controls on the localization of stratabound copper deposits: Proterozoic examples from southern Africa and South Australia: Precambrian Research, V. 25, p. 99-118.

Newham, W.D.N., 1986, The Lomagundi and Sabi metallogenic provinces of Zimbabwe *in* Anhaeusser, C.R., and Maske, S., eds., Mineral Deposits of Southern Africa, v. 2: Geological Society of South Africa, p. 1351-1393

DepositID 82 **Cont** AF **NameDeposit** Silverside

OtherNames

Includes Old Hat, Manchester, Shebaside

Country Code ZIMB Zimbabwe

Lat.Deg -16 **Long.Deg** 30 **Dec.Lat** -16.9444444 **StateProvince**

Lat.Min -56 **Long.Min** 17 **Dec.Long** 30.2708333

Lat.Sec -40 **Long.Sec** -45

OreMmt 0.9 **CuGrade%** 1.8 **CoGrade%** **AgGradeppm**

CuMmt .0162

Subtype Uncl.

Age Mid Proterozoic **Ma** 1250 **Unit** Dweras Grp.

HostRocks Calcareous argillite, arkose

HangingwallBeds

FootwallRocks

Mineralogy Bornite, chalcopyrite, digenite, covellite, molybdenite, galena sphalerite, native silver

TraceMinerals

Comments Ore zones crosscut bedding and are associated with quartzveins

Reference Kirkham, R.V., Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

Maiden, K.J., Innes, A.H., King, M.J., Master, S., and Pettitt, I., 1984, Regional controls on the localization of stratabound copper deposits: Proterozoic examples from southern Africa and South Australia: Precambrian Research, V. 25, p. 99-118.

Newham, W.D.N., 1986, The Lomagundi and Sabi metallogenic provinces of Zimbabwe *in* Anhaeusser, C.R., and Maske, S., eds., Mineral Deposits of Southern Africa, v. 2: Geological Society of South Africa, p. 1351-1393

DepositID 83 **Cont** AF **NameDeposit** Avondale-(see Shackelton)

OtherNames

Includes

Country Code ZIMB Zimbabwe

Lat.Deg -17 **Long.Deg** 30 **Dec.Lat** -17.2611111 **StateProvince**

Lat.Min -15 **Long.Min** 3 **Dec.Long** 30.05

Lat.Sec -40 **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Mid Proterozoic **Ma** 1250 **Unit** Dweras Grp.

HostRocks Calcareous argillite, arkose

HangingwallBeds

FootwallRocks Conglomerate

Mineralogy Chalcocite, bornite, chalcopyrite, pyrite, hematite

TraceMinerals

Comments Ore zones are stratabound but follow epidiorite dike contact

Reference Kirkham, R.V., Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

Maiden, K.J., Innes, A.H., King, M.J., Master, S., and Pettitt, I., 1984, Regional controls on the localization of stratabound copper deposits: Proterozoic examples from southern Africa and South Australia: Precambrian Research, V. 25, p. 99-118.

Newham, W.D.N., 1986, The Lomagundi and Sabi metallogenic provinces of Zimbabwe *in* Anhaeusser, C.R., and Maske, S., eds., Mineral Deposits of Southern Africa, v. 2: Geological Society of South Africa, p. 1351-1393

DepositID 84 **Cont** AF **NameDeposit** Shackleton

OtherNames

Includes Avondale

Country Code ZIMB Zimbabwe

Lat.Deg -17 **Long.Deg** 30 **Dec.Lat** -17.2655556 **StateProvince**

Lat.Min -15 **Long.Min** 2 **Dec.Long** 30.0444444

Lat.Sec -56 **Long.Sec** 40

OreMmt 3.4 **CuGrade%** 1.2 **CoGrade%** **AgGradeppm**

CuMmt .0408

Subtype Uncl.

Age Mid Proterozoic **Ma** 1250 **Unit** Dweras Grp.

HostRocks Calcareous argillite, arkose

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Shackleton and Avondale are 800 m apart but Shackleton is 400 m higher in section

Reference Kirkham, R.V., Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

Maiden, K.J., Innes, A.H., King, M.J., Master, S., and Pettitt, I., 1984, Regional controls on the localization of stratabound copper deposits: Proterozoic examples from southern Africa and South Australia: Precambrian Research, V. 25, p. 99-118.

Newham, W.D.N., 1986, The Lomagundi and Sabi metallogenic provinces of Zimbabwe *in* Anhaeusser, C.R., and Maske, S., eds., Mineral Deposits of Southern Africa, v. 2: Geological Society of South Africa, p. 1351-1393

DepositID 85 Cont AF NameDeposit Alaska

OtherNames

Includes Hans, Angwa

Country Code ZIMB Zimbabwe

Lat.Deg -17 Long.Deg 30 Dec.Lat -17.4302778 StateProvince

Lat.Min -24.9 Long.Min 0 Dec.Long 30.0083333

Lat.Sec -55 Long.Sec 30

OreMmt 0.5 CuGrade% 1.11 CoGrade% AgGradeppm

CuMmt .00555

Subtype Uncl.

Age Mid Proterozoic Ma 1250 Unit Mcheka Grp.

HostRocks Calcareous argillite, arkose

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, bornite, chalcopyrite, hematite

TraceMinerals

Comments Ore is mainly strata-bound but some is in crosscutting veins

Reference Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

Newham, W.D.N., 1986, The Lomagundi and Sabi metallogenic provinces of Zimbabwe *in* Anhaeusser, C.R., and Maske, S., eds., Mineral Deposits of Southern Africa, v. 2: Geological Society of South Africa, p. 1351-1393

DepositID 86 **Cont** AF **NameDeposit** Bushman Group

OtherNames

Includes

Country Code BOTS Botswana

Lat.Deg -20 **Long.Deg** 26 **Dec.Lat** -20.5 **StateProvince**

Lat.Min -30 **Long.Min** 33 **Dec.Long** 26.5583333

Lat.Sec 0 **Long.Sec** 30

OreMmt 2 **CuGrade%** 2 **CoGrade%** **AgGradeppm**

CuMmt .04

Subtype Uncl.

Age U. Proterozoic **Ma** 900 **Unit**

HostRocks Graphitic quartzite and schist

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, chalcocite, graphite

TraceMinerals

Comments Matsitama Schist Belt, biotite grade

Reference Baldock, J.W., Hepworth, J.V., and Marengwa, B.S., 1976, Gold, basemetals, and diamonds in Botswana: Economic Geology, V. 71, p.139-156.
Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 87 **Cont** AF **NameDeposit** Ngwako Pan

OtherNames Lake Ngami

Includes

Country Code BOTS Botswana

Lat.Deg -20 **Long.Deg** 23 **Dec.Lat** -20.75 **StateProvince**

Lat.Min -45 **Long.Min** 6 **Dec.Long** 23.1

Lat.Sec **Long.Sec**

OreMmt 80 **CuGrade%** 2 **CoGrade%** **AgGradeppm** 40

CuMmt 1.6

Subtype Redbed Cu

Age U. Proterozoic **Ma** 900 **Unit**

HostRocks Calcareous argillite

HangingwallBeds

FootwallRocks Coarse sandstone

Mineralogy Chalcocite, bornite, chalcopyrite

TraceMinerals

Comments Lake Ngami district. Copper beds 300 km long, .5-2.5 % Cu plus Ag

Reference Baldock, J.W., Hepworth, J.V., and Marengwa, B.S., 1976, Gold, basemetals, and diamonds in Botswana: Economic Geology, V. 71, p.139-156.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 88 Cont AF NameDeposit Matsitama

OtherNames

Includes Logolo, Makala, Thakadu

Country Code BOTS Botswana

Lat.Deg -21 Long.Deg 26 Dec.Lat -21.0833333 StateProvince

Lat.Min -5 Long.Min 45 Dec.Long 26.75

Lat.Sec 0 Long.Sec 0

OreMmt 8 CuGrade%2 CoGrade% AgGradeppm

CuMmt .16

Subtype Uncl.

Age U. Proterozoic Ma 900 Unit

HostRocks Siliceous limestone, calcareous quartzite, phyllite

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, bornite, chalcocite

TraceMinerals Galena, pyrite

Comments Three deposits probably less than 2 km apart. Amphibolite metamorphism

Reference Baldock, J.W., Hepworth, J.V., and Marengwa, B.S., 1976, Gold, basemetals, and diamonds in Botswana: Economic Geology, V. 71, p.139-156.

Mendelsohn, F., 1989, Central /Southern Africa ore shale deposits / *ibid.* c. 453-469.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 89 Cont AF NameDeposit Ghanzi

OtherNames

Includes

Country Code BOTS Botswana

Lat.Deg -21 Long.Deg 21 Dec.Lat -21.716667 StateProvince

Lat.Min -43 Long.Min 37 Dec.Long 21.616667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age U. Proterozoic Ma 900 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Maiden, K.J., Innes, A.H., King, M.J., Master, S., and Pettitt, I., 1984, Regional controls on the localization of stratabound copper deposits: Proterozoic examples from southern Africa and South Australia: Precambrian Research, V. 25, p. 99-118

DepositID 90 Cont AF NameDeposit Witvlei
OtherNames Pos , Copper Causeway, Malachite Pan prospects

Includes

Country Code NAMB Namibia

Lat.Deg -22 Long.Deg 18 Dec.Lat -22.3833333 StateProvince

Lat.Min -23 Long.Min 32 Dec.Long 18.5333333

Lat.Sec Long.Sec

OreMmt 6 CuGrade%2 CoGrade% AgGradeppm 30

CuMmt .12

Subtype Reduced facies Cu

Age U. Proterozoic Ma 900 Unit

HostRocks Argillite, greenish gray to dull red, calcareous silty shale

HangingwallBeds Sandstone

FootwallRocks Red sandstone, conglomerate

Mineralogy Chalcocite, bornite, chalcopyrite, covellite, digenite, hematite, calcite, anatase

TraceMinerals Pyrite, cuprite, malachite, native copper

Comments $\delta^{34}\text{S}$ of ores between - 9 and -22 per mil

Reference Anhaeusser, C.R., and Button, A., 1973, A petrographic and mineragraphic study of the copper-bearing formations in the Witvlei area, South West Africa: Transactions of the Geological Society of South Africa, v. 76, p.279-299.

Maiden, K.J., Innes, A.H., King, M.J., Master, S., and Pettitt, I., 1984, Regional controls on the localization of stratabound copper deposits: Proterozoic examples from southern Africa and South Australia: Precambrian Research, V. 25, p. 99-118.

Mendelsohn, F., 1989, Central /Southern Africa ore shale deposits in Boyle, R.W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36, p. 453-469.

Ruxton, P.A., and Clemmy, H.1986, Late Proterozoic stratabound red bed-copper deposits of the Witvlei areaSouth West Africa/ Namibia in Anhaeusser, C.R., and Maske, S., eds., Mineral Deposits of Southern Africa, v. 2: Geological Society of South Africa, p. 1739-1754..

DepositID 91 Cont AF NameDeposit Dordabis

OtherNames

Includes

Country Code NAMB Namibia

Lat.Deg -22 Long.Deg 17 Dec.Lat -22.9583333 StateProvince

Lat.Min -57 Long.Min 41 Dec.Long 17.6833333

Lat.Sec -30 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age M.Proterozoic Ma 1200 Unit

HostRocks argillite, calcareous argillite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Maiden, K.J., Innes, A.H., King, M.J., Master, S., and Pettitt, I., 1984, Regional controls on the localization of stratabound copper deposits: Proterozoic examples from southern Africa and South Australia: Precambrian Research, V. 25, p. 99-118

DepositID 92 Cont AF NameDeposit Oamites

OtherNames

Includes

Country Code NAMB Namibia

Lat.Deg -22 Long.Deg 17 Dec.Lat -22.9833333 StateProvince

Lat.Min -59 Long.Min 6 Dec.Long 17.1

Lat.Sec Long.Sec

OreMmt 6.1 CuGrade% 1.33 CoGrade% AgGradeppm 12.3

CuMmt .08113

Subtype Reduced facies Cu

Age U. Proterozoic Ma 900 Unit

HostRocks Biotite schist, amphibole schist, quartzite, conglomerate (Hakos Subgroup)

HangingwallBeds Pink quartzite, marble, graphitic schist

FootwallRocks Red-brown quartzite (Kamtsas Fm.) Meta evaporites (Duruchaus Fm.)

Mineralogy Chalcopyrite, bornite, pyrite, chalcocite, graphite

TraceMinerals Covellite,neodigenite, galena, sphalerite, pyrrhotite, native silver

Comments In the Nosib Group, underlain by Duruchaus Fm. Overlain by Swakop Group.

Reference Maiden, K.J., Innes, A.H., King, M.J., Master, S., and Pettitt, I., 1984, Regional controls on the localization of stratabound copper deposits: Proterozoic examples from southern Africa and South Australia: Precambrian Research, V. 25, p. 99-118.

Lee, J.E., and Glenister, D.A., 1976, Stratiform sulfide mineralizationat Oamites copper mine, South WestAfrica: Economic Geology, v. 71, p. 369-383.

DepositID 93 Cont AF NameDeposit Klein Aub

OtherNames

Includes

Country Code NAMB Namibia

Lat.Deg -23 Long.Deg 16 Dec.Lat -23.8 StateProvince

Lat.Min -48 Long.Min 38 Dec.Long 16.6333333

Lat.Sec Long.Sec

OreMmt 18 CuGrade%2 CoGrade% AgGradeppm 45

CuMmt .36

Subtype Reduced facies Cu

Age U. Proterozoic Ma 900 Unit

HostRocks Green argillite

HangingwallBeds Red sandstone

FootwallRocks Red conglomerate, sandstone

Mineralogy Chalcopyrite, bornite, chalcocite cuprite, pyrite

TraceMinerals Native copper

Comments $\delta^{34}\text{S}$ of ores between - 20 and -40 per mil

Reference Maiden, K.J., Innes, A.H., King, M.J., Master, S., and Pettitt, I., 1984, Regional controls on the localization of stratabound copper deposits: Proterozoic examples from southern Africa and South Australia: Precambrian Research, V. 25, p. 99-118.

Mendelsohn, F., 1989, Central /Southern Africa ore shale deposits *in* Boyle, R.W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36, p. 453-469.

Kirkham, R.V., Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

Ruxton, P.A., 1986, Sedimentology, isotope signature and ore genesis of the Klein Aub Copper Mine, South West Africa *in* Anhaeusser, C.R., and Maske, S., eds., Mineral Deposits of Southern Africa, v. 2: Geological Society of South Africa, p. 1725-1738.

DepositID 94 **Cont** AF **NameDeposit** Duitschland

OtherNames Nederland

Includes

Country Code SAFR South Africa

Lat.Deg -24 **Long.Deg** 29 **Dec.Lat** -24.3333333 **StateProvince**

Lat.Min -20 **Long.Min** 0 **Dec.Long** 29

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age L. Proterozoic **Ma** 2000 **Unit**

HostRocks Stromatolitic dolomite, limestone, chert, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Basal Pretoria Group

Reference Martini. J.E., 1979, A copper-bearing bed in thePretoria Group in northeastern Transvaal: Geokongress 77 Geological Society of South Africa Special Publication 6, p. 65-72.

DepositID	95	Cont	AS	NameDeposit	Chernorechenskaya
OtherNames					
Includes					
Country Code	RUSA	Russia			
Lat.Deg	68	Long.Deg	87	Dec.Lat	68.25
Lat.Min	15	Long.Min	15	Dec.Long	87.25
Lat.Sec		Long.Sec			
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Uncl.				
Age	U. Proterozoic	Ma	600	Unit	Sukharikha Fm.
HostRocks	Limestone, argillite				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					

Reference Krendelev, F.P., Narkelyun, L.F., Trubachev, A.I. Salikhov, V.S., Volodin, P.N., Kunitsin, V.V., Chechetkin, V.S., and Bakun, N.N., 1986, Cupriferous sandstone and shales of the Siberian Platform *in* Friedrich, G.H., Genkin, A.D., Naldrett, A.J., Ridge, J.D., Sillitoe, R.H., and Vokes, F.M., Geology and Metallogeny of Copper Deposits: Proceedings 27th International Geological Congress, Moscow, 1984: Berlin, Springer-Verlag, p. 513-523.

Gablina, I.F., 1986, Genetic types of copper mineralization in the Igarka are, west of the Siberian Platform *in* Friedrich, G.H., Genkin, A.D., Naldrett, A.J., Ridge, J.D., Sillitoe, R.H., and Vokes, F.M., Geology and Metallogeny of Copper Deposits: Proceedings 27th International Geological Congress, Moscow, 1984: Berlin, Springer-Verlag, p. 523-539

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 96 **Cont** AS **NameDeposit** Mount Sauri Pe

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 68 **Long.Deg** 66 **Dec.Lat** 68 **StateProvince**

Lat.Min 00 **Long.Min** 50 **Dec.Long** 66.8333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Cambrian-Ordovician **Ma** 505 **Unit** Manitanyrd Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Dembovskii, D.Y., 1983, Basal Formations of the Uralides in the Northern Urals and their ore content: Lithology and Mineral Resources, v. 18, p. 31-41.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 97 Cont AS NameDeposit Rudnii

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 67 Long.Deg 86 Dec.Lat 67.8333333 StateProvince

Lat.Min 50 Long.Min 48 Dec.Long 86.8

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age U. Proterozoic Ma 600 Unit Izluchinsk Fm.

HostRocks Limestone, siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Krendelev, F.P., Narkelyun, L.F., Trubachev, A.I. Salikhov, V.S., Volodin, P.N., Kunitsin, V.V., Chechetkin, V.S., and Bakun, N.N., 1986, Cupriferous sandstone and shales of the Siberian Platform *in* Friedrich, G.H., Genkin, A.D., Naldrett, A.J., Ridge, J.D., Sillitoe, R.H., and Vokes, F.M., *Geology and Metallogeny of Copper Deposits: Proceedings 27th International Geological Congress, Moscow, 1984*: Berlin, Springer-Verlag, p. 513-523.

Gablina, I.F., 1986, Genetic types of copper mineralization in the Igarka are, west of the Siberian Platform *in* Friedrich, G.H., Genkin, A.D., Naldrett, A.J., Ridge, J.D., Sillitoe, R.H., and Vokes, F.M., *Geology and Metallogeny of Copper Deposits: Proceedings 27th International Geological Congress, Moscow, 1984*: Berlin, Springer-Verlag, p. 523-539

Kirkham, R.V., Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 98 Cont AS NameDeposit Sukharikha

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 67 Long.Deg 87 Dec.Lat 67.6666667 StateProvince

Lat.Min 40 Long.Min 00 Dec.Long 87

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age U. Proterozoic Ma 600 Unit Sukharikha Fm.

HostRocks Sandstone, siltstone

HangingwallBeds

FootwallRocks Dolomite, limestone, marl

Mineralogy

TraceMinerals

Comments

Reference Krendelev, F.P., Narkelyun, L.F., Trubachev, A.I. Salikhov, V.S., Volodin, P.N., Kunitsin, V.V., Chechetkin, V.S., and Bakun, N.N., 1986, Cupriferous sandstone and shales of the Siberian Platform *in* Friedrich, G.H., Genkin, A.D., Naldrett, A.J., Ridge, J.D., Sillitoe, R.H., and Vokes, F.M., *Geology and Metallogeny of Copper Deposits: Proceedings 27th International Geological Congress, Moscow, 1984*: Berlin, Springer-Verlag, p. 513-523.

Gablina, I.F., 1986, Genetic types of copper mineralization in the Igarka are, west of the Siberian Platform *in* Friedrich, G.H., Genkin, A.D., Naldrett, A.J., Ridge, J.D., Sillitoe, R.H., and Vokes, F.M., *Geology and Metallogeny of Copper Deposits: Proceedings 27th International Geological Congress, Moscow, 1984*: Berlin, Springer-Verlag, p. 523-539

Kirkham, R.V., Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 99 Cont AS NameDeposit Izluchinsk

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 67 Long.Deg 86 Dec.Lat 67.6 StateProvince

Lat.Min 36 Long.Min 45 Dec.Long 86.75

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age U. Proterozoic Ma 600 Unit Izluchinsk Fm.

HostRocks Conglomerate, siltstone

HangingwallBeds

FootwallRocks Dolomite, limestone, marl

Mineralogy

TraceMinerals

Comments

Reference Krendelev, F.P., Narkelyun, L.F., Trubachev, A.I. Salikhov, V.S., Volodin, P.N., Kunitsin, V.V., Chechetkin, V.S., and Bakun, N.N., 1986, Cupriferous sandstone and shales of the Siberian Platform *in* Friedrich, G.H., Genkin, A.D., Naldrett, A.J., Ridge, J.D., Sillitoe, R.H., and Vokes, F.M., *Geology and Metallogeny of Copper Deposits: Proceedings 27th International Geological Congress, Moscow, 1984*: Berlin, Springer-Verlag, p. 513-523.

Gablina, I.F., 1986, Genetic types of copper mineralization in the Igarka are, west of the Siberian Platform *in* Friedrich, G.H., Genkin, A.D., Naldrett, A.J., Ridge, J.D., Sillitoe, R.H., and Vokes, F.M., *Geology and Metallogeny of Copper Deposits: Proceedings 27th International Geological Congress, Moscow, 1984*: Berlin, Springer-Verlag, p. 523-539

Kirkham, R.V., Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 100 **Cont** AS **NameDeposit** Pad-Yaga Musyur Range

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 67 **Long.Deg** 65 **Dec.Lat** 67.5 **StateProvince**

Lat.Min 30 **Long.Min** 30 **Dec.Long** 65.5

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Cambrian-Ordovician **Ma** 505 **Unit** .

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Dembovskii, D.Y.,1983, Basal Formations of the Uralides in the Northern Urals and their ore content: Lithology and Mineral Resources, v. 18, p. 31-41.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 101 **Cont** AS **NameDeposit** Padyagin

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 67 **Long.Deg** 65 **Dec.Lat** 67 **StateProvince**

Lat.Min 00 **Long.Min** 00 **Dec.Long** 65

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Cambrian-Ordovician **Ma** 505 **Unit** .

HostRocks Sandstone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Dembovskii, D.Y.,1983, Basal Formations of the Uralides in the Northern Urals and their ore content: Lithology and Mineral Resources, v. 18, p. 31-41.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 102 **Cont** AS **NameDeposit** Graviisk

OtherNames Gravyisk

Includes

Country Code RUSA Russia

Lat.Deg 66 **Long.Deg** 87 **Dec.Lat** 66.5166667 **StateProvince**

Lat.Min 31 **Long.Min** 33 **Dec.Long** 87.55

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 600 **Unit** Izluchinsk Fm.

HostRocks Arkose, conglomerate, siltstone

HangingwallBeds

FootwallRocks Dolomite, limestone, marl

Mineralogy Djurleite, bornite, chalcopyrite, galena

TraceMinerals Marcasite, sphalerite, renierite, enargite, scheelite

Comments Copper deposited at major redox boundary between fluids from redbeds and fluids from reef dolomites. High levels of Ag, Cd, Ge, W, Ni, and Co

Reference Rzhetskii, V.F., Gablina, I.F., Vasilobskaya, L.V., and Lur'e, A.M., 1988, Genetic features of the Graviisk copper deposit: Lithology and Mineral Resources, v. 22, no. 2, p. 174-183.

Bogdanov, Yu. V. 1984, Principal types of stratiform copper deposits in sedimentary rocks of USSR: Proceedings of the 27th International Geologic Congress, v.12, Metallogensis and Mineral Ore Deposits, p. 407-422.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 103 **Cont** AS **NameDeposit** Igadei-Yugan River

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 65 **Long.Deg** 60 **Dec.Lat** 65.5 **StateProvince**

Lat.Min 30 **Long.Min** 30 **Dec.Long** 60.5

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age L. Ordovician **Ma** 480 **Unit** Grubeyu Fm.

HostRocks Arkose, phyllite, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, pyrite

TraceMinerals

Comments

Reference Dembovskii, D.Y.,1983, Basal Formations of the Uralides in the Northern Urals and their ore content: Lithology and Mineral Resources, v. 18, p. 31-41.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 104 **Cont** AS **NameDeposit** Nidysei Syncline

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 65 **Long.Deg** 60 **Dec.Lat** 65.25 **StateProvince**

Lat.Min 15 **Long.Min** 00 **Dec.Long** 60

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age L. Cambrian **Ma** 570 **Unit** Manitanyrd Fm.

HostRocks Sandstone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Dembovskii, D.Y., 1983, Basal Formations of the Uralides in the Northern Urals and their ore content: Lithology and Mineral Resources, v. 18, p. 31-41.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 105 **Cont** AS **NameDeposit** Kurpandzha

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 61 **Long.Deg** 137 **Dec.Lat** 61.25 **StateProvince**

Lat.Min 15 **Long.Min** 30 **Dec.Long** 137.5

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Devonian Carboniferous **Ma** 345 **Unit** Perelomnya Series

HostRocks dolomitic sandstone, dolomite breccia

HangingwallBeds

FootwallRocks Amygdaloidal basalt

Mineralogy Chalcocite, bornite, chalcopyrite, pyrite. Native copper in basalt

TraceMinerals

Comments

Reference Bogdanov, Yu. V. 1984, Principal types of stratiform copper deposits in sedimentary rocks of USSR: Proceedings of the 27th International Geologic Congress, v.12, Metallogenesis and Mineral Ore Deposits, p. 407-422.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 106 Cont AS NameDeposit Velmo River

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 60 Long.Deg 92 Dec.Lat 60.75 StateProvince

Lat.Min 45 Long.Min 30 Dec.Long 92.5

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Cambrian Ma 540 Unit Evenki Fm.

HostRocks Limestone, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Miroshnikov, A.Y., 1981, Paleotectonics of the middle and late Cambrian development stage of the Angara Platform, cupriferous basin: Geotectonics, v. 15. no. 2, p. 123-131.

Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannyye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 107 **Cont** AS **NameDeposit** Kamo River

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 60 **Long.Deg** 97 **Dec.Lat** 60.5 **StateProvince**

Lat.Min 30 **Long.Min** 30 **Dec.Long** 97.5

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Cambrian **Ma** 530 **Unit** Evenki Fm.

HostRocks Limestone, dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 108 **Cont** AS **NameDeposit** Irkineeva River

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 59 **Long.Deg** 98 **Dec.Lat** 59.5 **StateProvince**

Lat.Min 30 **Long.Min** 15 **Dec.Long** 98.25

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Cambrian **Ma** 530 **Unit** Evenki Fm.

HostRocks Algal limestone, dolomite

HangingwallBeds

FootwallRocks

Mineralogy Malachite, bornite, chalcocite, covellite

TraceMinerals

Comments Grades up to 0.3% Cu

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID	109	Cont	AS	NameDeposit	Katanga-Chadobets
OtherNames					
Includes					
Country Code	RUSA	Russia			
Lat.Deg	59	Long.Deg	100	Dec.Lat	59.5
Lat.Min	30	Long.Min	45	Dec.Long	100.75
Lat.Sec		Long.Sec			
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Reduced facies Cu				

Age	Cambrian	Ma	530	Unit	Evenki Fm.
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HostRocks Algal limestone, dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Miroshnikov, A.Y., 1981, Paleotectonics of the middle and late Cambrian development stage of the Angara Platform, cupriferous basin: Geotectonics, v. 15. no. 2, p. 123-131.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 110 **Cont** AS **NameDeposit** Ugui Graben

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 59 **Long.Deg** 119 **Dec.Lat** 59 **StateProvince**

Lat.Min 00 **Long.Min** 59 **Dec.Long** 119.983333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age L. Proterozoic **Ma** 2000 **Unit** Chourodinski Fm.

HostRocks dolomitic sandstone, dolomite breccia

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Correlates with upper Sakukan Suite at Udokan

Reference Davydov, Yu. V., 1987, Lower Proterozoic cupriferous formations of the Ugui trough, South Yakutia, and their correlation with the Udokan Complex: Lithology and Mineral ResourcesV. 21, no. 3, p.260-272.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 111 Cont AS NameDeposit Bedoba River

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 58 Long.Deg 97 Dec.Lat 58.8333333 StateProvince

Lat.Min 50 Long.Min 15 Dec.Long 97.25

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Cambrian Ma 530 Unit Evenki Fm.

HostRocks Algal limestone, sandstone, silstone, dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Narkelyun, L.F., Bezrodnikh, Y.P., and Kularov, M.A., 1969, Copper potential of sedimentary bodies in South Siberian Platform: International Geology Review, v. 11, p. 1600-1610.

Kutyrev, E.I., 1969, Distribution patterns of copper mineralization in middle and upper Cambrian rocks of the Southern Siberian Platform facies: Lithology and Mineral Resources, no. 3, p.302-315

Salikhov, V.S.,1975, Post sedimentation changes in copper-bearing deposits of the South Siberian Platform: International Geology Review, v. 17, p. 83-94.

Borzenko, G.F.and Sklyarov, R.Ya.,1971, The copper basin of Angara Region: International Geology Review, v. 13, no. 6, p. 842-848.

DepositID 112 Cont AS NameDeposit Lena

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 58 Long.Deg 106 Dec.Lat 58.7666667 StateProvince

Lat.Min 46 Long.Min 30 Dec.Long 106.5

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age U. Cambrian Ma 520 Unit Ilga Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Malachite

TraceMinerals

Comments

Reference Narkelyun, L.F., Bezrodnikh, Y.P., and Kularov, M.A., 1969, Copper potential of sedimentary bodies in South Siberian Platform: International Geology Review, v. 11, p. 1600-1610.

Kutyrev, E.I., 1969, Distribution patterns of copper mineralization in middle and upper Cambrian rocks of the Southern Siberian Platform facies: Lithology and Mineral Resources, no. 3, p.302-315

Salikhov, V.S., 1975, Post sedimentation changes in copper-bearing deposits of the South Siberian Platform: International Geology Review, v. 17, p. 83-94.

DepositID 113 **Cont** AS **NameDeposit** Bilyakchan Series

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 58 **Long.Deg** 139 **Dec.Lat** 58.75 **StateProvince**

Lat.Min 45 **Long.Min** 00 **Dec.Long** 139

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age L. Proterozoic **Ma** 2000 **Unit** Bilyakchan Series

HostRocks Siltstone, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 114 **Cont** AS **NameDeposit** Yenisei Ridge

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 58 **Long.Deg** 94 **Dec.Lat** 58.5 **StateProvince**

Lat.Min 30 **Long.Min** 00 **Dec.Long** 94

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Proterozoic-Vendian **Ma** 580 **Unit** Taseevo Ser.

HostRocks Sandstone, siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 115 **Cont** AS **NameDeposit** Kirov Region

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 58 **Long.Deg** 49 **Dec.Lat** 58.3333333 **StateProvince**

Lat.Min 20 **Long.Min** 50 **Dec.Long** 49.8333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age U. Permian **Ma** 250 **Unit**

HostRocks Shale, claystone, dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 116 **Cont** AS **NameDeposit** Irkutsk Amphitheater

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 58 **Long.Deg** 107 **Dec.Lat** 58 **StateProvince**

Lat.Min 00 **Long.Min** 30 **Dec.Long** 107.5

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age M.Ordovician **Ma** 460 **Unit** Krivolutsk and MakarovSuites

HostRocks Silstone, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Narkelyun, L.F., Bezrodnikh, Y.P., and Kularov, M.A., 1969, Copper potential of sedimentary bodies in South Siberian Platform: International Geology Review, v. 11, p. 1600-1610.

Salikhov, V.S., 1975, Post sedimentation changes in copper-bearing deposits of the South Siberian Platform: International Geology Review, v. 17, p. 83-94.

Kulakov, M.K., 1976, Genetic types of stratiform mineralization in the Irkutsk Amphitheater: Soviet Geology and Geophysics, v. 17, p. 41-47.

DepositID 117 **Cont** AS **NameDeposit** Kan-Taseyeva Basin

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 57 **Long.Deg** 95 **Dec.Lat** 57.5 **StateProvince**

Lat.Min 30 **Long.Min** 00 **Dec.Long** 95

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age U. Cambrian **Ma** 520 **Unit** Verkholsensk Ser.

HostRocks Sandstone, siltstone, dolomite gypsum

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Mineral horizon persists for tens of kms

Reference Narkelyun, L.F., Bezrodnikh, Y.P., and Kularov, M.A., 1969, Copper potential of sedimentary bodies in South Siberian Platform: International Geology Review, v. 11, p. 1600-1610.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 118 Cont AS NameDeposit Krasnoye

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 56 Long.Deg 119 Dec.Lat 56.75 StateProvince

Lat.Min 45 Long.Min 12 Dec.Long 119.2

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age L. Proterozoic Ma 2000 Unit Udokan Series, Chitkanda Suite

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Narkelyun, L.F., Bezrodnikh, Y.P., and Kularov, M.A., 1969, Copper potential of sedimentary bodies in South Siberian Platform: International Geology Review, v. 11, p. 1600-1610.

Bolodin, R.N., Chechetkin, V.S., Bogdanov, Yu.V., Narkelyun, L.F., and Trubachev, A. I., 1994, The Udokan cupriferous sandstone deposits (Eastern Siberia): Geologiya Rudnykh Mestorozhdenii, Tom 36, p.3-30 (in Russian).

DepositID 119 **Cont** AS **NameDeposit** Olekma Branch

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 57 **Long.Deg** 119 **Dec.Lat** 57.3333333 **StateProvince**

Lat.Min 20 **Long.Min** 55 **Dec.Long** 119.916667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age L. Proterozoic **Ma** 2000 **Unit** Kebekta Suite

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Narkelyun, L.F., Bezrodnikh, Y.P., and Kularov, M.A., 1969, Copper potential of sedimentary bodies in South Siberian Platform: International Geology Review, v. 11, p. 1600-1610.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 120 **Cont** AS **NameDeposit** South Muya Range

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 57 **Long.Deg** 113 **Dec.Lat** 57.25 **StateProvince**

Lat.Min 15 **Long.Min** 30 **Dec.Long** 113.5

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age L. Proterozoic **Ma** 2000 **Unit** Samodurovka Suite

HostRocks Sandstone, siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kityrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Narkelyun, L.F., Bezrodnikh, Y.P., and Kularov, M.A., 1969, Copper potential of sedimentary bodies in South Siberian Platform: International Geology Review, v. 11, p. 1600-1610.

Salikhov, V.S., 1975, Post sedimentation changes in copper-bearing deposits of the South Siberian Platform: International Geology Review, v. 17, p.83-94

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 121 Cont AS NameDeposit Kukurunde

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 56 Long.Deg 117 Dec.Lat 56.783333 StateProvince

Lat.Min 47 Long.Min 05 Dec.Long 117.083333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age L. Proterozoic Ma 2000 Unit Udokan Series, Aleksandrovka

HostRocks Siltstone, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Narkelyun, L.F., Bezrodnikh, Y.P., and Kularov, M.A., 1969, Copper potential of sedimentary bodies in South Siberian Platform: International Geology Review, v. 11, p. 1600-1610.

Bolodin, R.N., Chechetkin, V.S., Bogdanov, Yu.V., Narkelyun, L.F., and Trubachev, A. I., 1994, The Udokan cupriferous sandstone deposits (Eastern Siberia): Geologiya Rudnykh Mestorozhdenii, Tom 36, p.3-30 (in Russian).

DepositID 122 **Cont** AS **NameDeposit** Perm Vyatka

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 56 **Long.Deg** 50 **Dec.Lat** 56.5 **StateProvince**

Lat.Min 30 **Long.Min** 45 **Dec.Long** 50.75

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U. Permian **Ma** 250 **Unit** Sheshma Ss.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, bornite, chalcocite, covellite, tennantite.

TraceMinerals

Comments

Reference Nechayev, Y.A., 1967, Lithologic control of copper mineralization in Upper Permian rocks of Perm-Uralian Territory and Vyatka-Kama District: International Geology Review. V. 9, no. 1, p. 59-62.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 123 **Cont** AS **NameDeposit** Burpalin

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 56 **Long.Deg** 119 **Dec.Lat** 56.5 **StateProvince**

Lat.Min 30 **Long.Min** 55 **Dec.Long** 119.916667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age L. Proterozoic **Ma** 2000 **Unit** Udokan Series, Talakan Suite

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Bolodin, R.N., Chechetkin, V.S., Bogdanov, Yu.V., Narkelyun, L.F., and Trubachev, A. I., 1994, The Udokan cupriferous sandstone deposits (Eastern Siberia): Geologiya Rudnykh Mestorozhdenii, Tom 36, p.3-30 (in Russian).

DepositID	124	Cont	AS	NameDeposit	Udokan
OtherNames					
Includes					
Country Code	RUSA	Russia			
Lat.Deg	56	Long.Deg	118	Dec.Lat	56.5833333
Lat.Min	35	Long.Min	30	Dec.Long	118.5
Lat.Sec		Long.Sec			
OreMmt	1200	CuGrade%	2	CoGrade%	
		CuMmt	24	AgGradeppm	
Subtype	Reduced facies Cu				
Age	L. Proterozoic	Ma	2100	Unit	Udokan series
HostRocks	argillite, silty sandstone, sandy limestone				
HangingwallBeds	Quartz-feldspar sandstone, pinkish gray				
FootwallRocks	Quartz-feldspar sandstone, pinkish gray				
Mineralogy	Chalcocite, bornite, chalcopyrite, pyrite, magnetite, hematite				
TraceMinerals	Valleriite, molybdenite, vattikhenite, pyrrhotite, sphalerite, marcasite, tennantite, polydymite, cobaltite, stromeyerite, nat. silver				
Comments	Udokan series intruded by 2000Ma granite				
Reference	Samonov, I. Z., and Pozharisky, I.F., 1977, Deposits of copper <i>in</i> Smirnov, V.I. , ed., Ore Deposits of the USSR, v.2, London Pitman Publishing, p. 106-182. Volodin, R.N., Chechetkin, V.S., Bogdanov, Yu.V., Narkelyun, L.F., and Trubachev, A. I., 1994, The Udokan cupriferous sandstone deposits (Eastern Siberia): <i>Geologiya Rudnykh Mestorozhdenii</i>, Tom 36, p.3-30 (in Russian).				

DepositID 125 **Cont** AS **NameDeposit** Pravo-Ingamakitsk

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 56 **Long.Deg** 118 **Dec.Lat** 56.4166667 **StateProvince**

Lat.Min 25 **Long.Min** 40 **Dec.Long** 118.666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age L. Proterozoic **Ma** 2000 **Unit** Udokan Series, Namingin Suite

HostRocks Siltstone

HangingwallBeds

FootwallRocks

Mineralogy Magnetite, chalcocite, bornite, chalcopyrite

TraceMinerals

Comments

Reference Narkelyun, L.F., Bezrodnikh, Y.P., and Kularov, M.A., 1969, Copper potential of sedimentary bodies in South Siberian Platform: International Geology Review, v. 11, p. 1600-1610.

Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Bolodin, R.N., Chechetkin, V.S., Bogdanov, Yu.V., Narkelyun, L.F., and Trubachev, A.I., 1994, The Udokan cupriferous sandstone deposits (Eastern Siberia): Geologiya Rudnykh Mestorozhdenii, Tom 36, p.3-30 (in Russian).

DepositID 126 **Cont** AS **NameDeposit** Bryansk Rapids

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 55 **Long.Deg** 103 **Dec.Lat** 55.5 **StateProvince**

Lat.Min 30 **Long.Min** 45 **Dec.Long** 103.75

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age L. Ordovician **Ma** 480 **Unit** Iya and Ust' Kut Suites

HostRocks Algal limestone, dolomite

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, chalcocite, malachite

TraceMinerals

Comments Five meters with <0.3% Cu. Ust' Kut unit contains galena

Reference Narkelyun, L.F., Bezrodnikh, Y.P., and Kularov, M.A., 1969, Copper potential of sedimentary bodies in South Siberian Platform: International Geology Review, v. 11, p. 1600-1610.

Borzenko, G.F. and Sklyarov, R.Ya., 1971, The copper basin of Angara Region: International Geology Review, v. 13, no. 6, p. 842-848.

Kirkham, R.V., Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 127 **Cont** AS **NameDeposit** Kandrykul

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 55 **Long.Deg** 53 **Dec.Lat** 55.4166667 **StateProvince**

Lat.Min 25 **Long.Min** 00 **Dec.Long** 53

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age U. Permian **Ma** 250 **Unit**

HostRocks Sandstone, limestone

HangingwallBeds

FootwallRocks Redbeds

Mineralogy

TraceMinerals

Comments

Reference Lurye, A.M. and Gablina, I.F., The copper source in production of Mansfield type deposits in the West Ural Foreland: Geochemistry International, V. 9, p. 56-67.

Davidson, C.F., 1965, A possible mode of origin of stratabound copper ores: Economic Geology, v. 60, p. 942-954.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 128 **Cont** AS **NameDeposit** Unkursk

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 56 **Long.Deg** 118 **Dec.Lat** 56.75 **StateProvince**

Lat.Min 45 **Long.Min** 20 **Dec.Long** 118.333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age L. Proterozoic **Ma** 2000 **Unit** Udokan Series, Butun Suite

HostRocks Siltstone

HangingwallBeds

FootwallRocks

Mineralogy Pyrite, hematite, scapolite

TraceMinerals Chalcopyrite, bornite

Comments

Reference Narkelyun, L.F., Bezrodnikh, Y.P., and Kularov, M.A., 1969, Copper potential of sedimentary bodies in South Siberian Platform: International Geology Review, v. 11, p. 1600-1610.

Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Bolodin, R.N., Chechetkin, V.S., Bogdanov, Yu.V., Narkelyun, L.F., and Trubachev, A.I., 1994, The Udokan cupriferous sandstone deposits (Eastern Siberia): Geologiya Rudnykh Mestorozhdenii, Tom 36, p.3-30 (in Russian).

DepositID 129 **Cont** AS **NameDeposit** Bugulma

OtherNames Bugu'Iminskaya

Includes

Country Code RUSA Russia

Lat.Deg 54 **Long.Deg** 52 **Dec.Lat** 54.5333333 **StateProvince**

Lat.Min 32 **Long.Min** 46 **Dec.Long** 52.7666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age U. Permian **Ma** 250 **Unit**

HostRocks Claystone, marl, dolomite

HangingwallBeds

FootwallRocks Redbeds

Mineralogy

TraceMinerals

Comments

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 130 **Cont** AS **NameDeposit** Belebey

OtherNames Belebевskaya, Belebei, Kursak Rudniki

Includes

Country Code RUSA Russia

Lat.Deg 54 **Long.Deg** 54 **Dec.Lat** 54.0833333 **StateProvince**

Lat.Min 05 **Long.Min** 07 **Dec.Long** 54.1166667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age U. Permian **Ma** 250 **Unit**

HostRocks Sandstone, limestone

HangingwallBeds

FootwallRocks Redbeds

Mineralogy

TraceMinerals

Comments

Reference Lurye, A.M. and Gablina, I.F., The copper source in production of Mansfield type deposits in the West Ural Foreland: Geochemistry International, V. 9, p. 56-67.

Davidson, C.F., 1965, A possible mode of origin of stratabound copper ores: Economic Geology, v. 60, p. 942-954.

Malyuga, V.I., 1967, Distribution of exogenetic copper concentrations in the Ural region: Lithology and Mineral Resources, no. 6, p. 766-774.

Kirkham, R.V., Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

Bogdanov, Y.V., Bur'yanova, E.Z., and Kityrev, E.I., 1973, Stratifitsirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

DepositID 131 **Cont** AS **NameDeposit** Aksakovskaya

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 54 **Long.Deg** 54 **Dec.Lat** 54 **StateProvince**

Lat.Min 00 **Long.Min** 14 **Dec.Long** 54.2333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age U. Permian **Ma** 250 **Unit**

HostRocks Sandstone, limestone

HangingwallBeds

FootwallRocks Redbeds

Mineralogy

TraceMinerals

Comments

Reference Lurye, A.M. and Gablina, I.F., The copper source in production of Mansfield type deposits in the West Ural Foreland: Geochemistry International, V. 9, p. 56-67.

Davidson, C.F., 1965, A possible mode of origin of stratabound copper ores: Economic Geology, v. 60, p. 942-954.

Bogdanov, Y.V., Bur'yanova, E.Z., and Kityrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V., Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 132 **Cont** AS **NameDeposit** Tagul-Uda Rivers

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 54 **Long.Deg** 98 **Dec.Lat** 54 **StateProvince**

Lat.Min 00 **Long.Min** 00 **Dec.Long** 98

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age U. Proterozoic-Vendian **Ma** 580 **Unit** Asinskaya Ser.

HostRocks Sandstone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Mineral horizon persists for tens of kms

Reference Bezrodnikh, , Y.P., Narkelyun, L.F., Salikhov, V.S., and Trubachev, A.I., 1969, Types of copper mineralization in the Oselkovaya Series, Sayan Region: Dokladi Akadamii Nauk SSSR, V. 190, p. 23-25.

Salikhov, V.S.,1975, Post sedimentation changes in copper-bearing deposits of the South Siberian Platform: International Geology Review, v. 17, p. 83-94.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 133 **Cont** AS **NameDeposit** Urshak

OtherNames Belebei, Kursak Rudniki

Includes

Country Code RUSA Russia

Lat.Deg 53 **Long.Deg** 54 **Dec.Lat** 53.9166667 **StateProvince**

Lat.Min 55 **Long.Min** 55 **Dec.Long** 54.9166667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age U. Permian **Ma** 250 **Unit**

HostRocks Sandstone, limestone

HangingwallBeds

FootwallRocks Redbeds

Mineralogy

TraceMinerals

Comments

Reference Lurye, A.M. and Gablina, I.F., The copper source in production of Mansfield type deposits in the West Ural Foreland: Geochemistry International, V. 9, p. 56-67.

Davidson, C.F., 1965, A possible mode of origin of stratabound copper ores: Economic Geology, v. 60, p. 942-954.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 134 **Cont** AS **NameDeposit** Malokos

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 53 **Long.Deg** 108 **Dec.Lat** 53.75 **StateProvince**

Lat.Min 45 **Long.Min** 00 **Dec.Long** 108

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age L. Proterozoic **Ma** 1800 **Unit** Malokos Suite

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, pyrite, bornite, chalcocite,

TraceMinerals

Comments Contains Cu-Ag-Co

Reference Narkelyun, L.F., Bezrodnikh, Y.P., and Kularov, M.A., 1969, Copper potential of sedimentary bodies in South Siberian Platform: International Geology Review, v. 11, p. 1600-1610.

DepositID 135 Cont AS NameDeposit Baza

OtherNames

Includes Tustuzhul, Pechishchi-Raisino, Kazyngol

Country Code RUSA Russia

Lat.Deg 53 Long.Deg 96 Dec.Lat 53.6666667 StateProvince

Lat.Min 40 Long.Min 48 Dec.Long 96.8

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Devonian Ma 385 Unit Kazanovskaya Fm.

HostRocks Sandstone

HangingwallBeds Limestone and siltstone

FootwallRocks Andesite tuff

Mineralogy

TraceMinerals

Comments Minusinsk Basin

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

DepositID 136 **Cont** **NameDeposit** Bulgin Shiver

OtherNames

Includes

Country Code MNGL Mongolia

Lat.Deg 50 **Long.Deg** 92 **Dec.Lat** 50.7 **StateProvince**

Lat.Min 42 **Long.Min** 24 **Dec.Long** 92.4

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Devonian **Ma** 350 **Unit**

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Within 10 km of large halite and gypsum deposits in Devonian sequence

Reference Mineral Resources Authority of Mongolia, 2002, Mineral Deposits and Occurrences of Mongolia, Map, 1:1,000,000, Location 7

DepositID 137 **Cont** AS **NameDeposit** Baruun Termis Uul

OtherNames

Includes

Country Code MNGL Mongolia

Lat.Deg 50 **Long.Deg** 91 **Dec.Lat** 50.5 **StateProvince**

Lat.Min 30 **Long.Min** 30 **Dec.Long** 91.5

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Devonian **Ma** 350 **Unit**

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Mineral Resources Authority of Mongolia, 2002, Mineral Deposits and Occurrences of Mongolia, Map, 1:1,000,000, Location 22

DepositID 138 **Cont** AS **NameDeposit** Baruun Turaag Uul

OtherNames

Includes

Country Code MNGL Mongolia

Lat.Deg 50 **Long.Deg** 91 **Dec.Lat** 50.1444444 **StateProvince**

Lat.Min 08 **Long.Min** 28 **Dec.Long** 91.4791667

Lat.Sec 40 **Long.Sec** 45

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Devonian **Ma** 350 **Unit**

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Mineral Resources Authority of Mongolia, 2002, Mineral Deposits and Occurrences of Mongolia, Map 1:1,000,000, Location 33.

DepositID 139 **Cont** AS **NameDeposit** Federovo Sterlibasevo

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 53 **Long.Deg** 55 **Dec.Lat** 53.5 **StateProvince**

Lat.Min 30 **Long.Min** 05 **Dec.Long** 55.0833333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age U. Permian **Ma** 250 **Unit**

HostRocks Sandstone, limestone

HangingwallBeds

FootwallRocks Redbeds

Mineralogy

TraceMinerals

Comments

Reference Lurye, A.M. and Gablina, I.F., The copper source in production of Mansfield type deposits in the West Ural Foreland: Geochemistry International, V. 9, p. 56-67.

Davidson, C.F., 1965, A possible mode of origin of stratabound copper ores: Economic Geology, v. 60, p. 942-954.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 140 Cont AS NameDeposit Atbasar-3

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 52 Long.Deg 68 Dec.Lat 52.1666667 StateProvince

Lat.Min 10 Long.Min 40 Dec.Long 68.6666667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Revett Cu

Age M. Carboniferous Ma 320 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

DepositID 141 **Cont** AS **NameDeposit** Iliktinsk Suite

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 53 **Long.Deg** 107 **Dec.Lat** 53.5 **StateProvince**

Lat.Min 30 **Long.Min** 55 **Dec.Long** 107.916667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age L. Proterozoic **Ma** 1800 **Unit** Iliktinsk Suite

HostRocks Black phyllite

HangingwallBeds

FootwallRocks

Mineralogy Pyrite, chalcopyrite

TraceMinerals

Comments Contains Cu-Co

Reference Narkelyun, L.F., Bezrodnikh, Y.P., and Kularov, M.A., 1969, Copper potential of sedimentary bodies in South Siberian Platform: International Geology Review, v. 11, p. 1600-1610.

Salikhov, V.S., 1975, Post sedimentation changes in copper-bearing deposits of the South Siberian Platform: International Geology Review, v. 17, p. 83-94.

DepositID 142 **Cont** AS **NameDeposit** Sakmara

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 52 **Long.Deg** 55 **Dec.Lat** 52 **StateProvince**

Lat.Min 00 **Long.Min** 20 **Dec.Long** 55.3333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U. Permian **Ma** 250 **Unit**

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Coarse sandstone and fine lake sediments

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 143 Cont AS NameDeposit Salmysh

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 52 Long.Deg 55 Dec.Lat 52.5 StateProvince

Lat.Min 30 Long.Min 07 Dec.Long 55.1166667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age U. Permian Ma 250 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Lurye, A.M. and Gablina, I.F., The copper source in production of Mansfield type deposits in the West Ural Foreland: Geochemistry International, V. 9, p. 56-67.

Davidson, C.F., 1965, A possible mode of origin of stratabound copper ores: Economic Geology, v. 60, p. 942-954.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 144 Cont AS NameDeposit Atbasar-2

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 51 Long.Deg 68 Dec.Lat 51.9166667 StateProvince

Lat.Min 55 Long.Min 02 Dec.Long 68.0333333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Revett Cu

Age U. Devonian Ma 370 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

DepositID 145 **Cont** AS **NameDeposit** Ushkarasu

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 51 **Long.Deg** 67 **Dec.Lat** 51.8333333 **StateProvince**

Lat.Min 50 **Long.Min** 00 **Dec.Long** 67

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Revett Cu

Age Carboniferous **Ma** 320 **Unit** Vladimirovskaya Suite

HostRocks Sandy shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains Re and Mo

Reference Seyfullin, S.S., Kalinin, S.K. Strutinskiyi, A.V., and Fayn, E. Ye. 1974, 1974, Rhenium in stratified copper deposits and showings in west central Kazakstan: Geochemistry International, v. 11, no. 2 p. 414-418.

DepositID 146 Cont AS NameDeposit Atbasar-1

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 51 Long.Deg 68 Dec.Lat 51.8305556 StateProvince

Lat.Min 49 Long.Min 27 Dec.Long 68.45

Lat.Sec 50 Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Revett Cu

Age M. Carboniferous Ma 320 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

DepositID 147 Cont AS NameDeposit Vyasovka

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 51 Long.Deg 55 Dec.Lat 51.7833333 StateProvince

Lat.Min 47 Long.Min 51 Dec.Long 55.85

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age U. Permian Ma 250 Unit

HostRocks Sandstone, graywacke

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Deltaic, fluvatile, with plant debris

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 148 **Cont** AS **NameDeposit** Kargala

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 51 **Long.Deg** 56 **Dec.Lat** 51.75 **StateProvince**

Lat.Min 45 **Long.Min** 51 **Dec.Long** 56.85

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U. Permian **Ma** 250 **Unit**

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu minerals form cement and concretions, and replace plant remains.

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 149 **Cont** AS **NameDeposit** Bolshoi Bogdo Mountains

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 51 **Long.Deg** 55 **Dec.Lat** 51.25 **StateProvince**

Lat.Min 15 **Long.Min** 00 **Dec.Long** 55

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Triassic **Ma** 220 **Unit**

HostRocks Sandy clay

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Zn in overlying carbonate rocks

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 150 Cont AS NameDeposit Turgan Gulf

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 51 Long.Deg 67 Dec.Lat 51.1666667 StateProvince

Lat.Min 10 Long.Min 43 Dec.Long 67.7166667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Revett Cu

Age L. Permian Ma 250 Unit Kiyma Suite

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

DepositID 151 Cont AS NameDeposit Olenty River

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 50 Long.Deg 73 Dec.Lat 50.9166667 StateProvince

Lat.Min 55 Long.Min 30 Dec.Long 73.5

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age U. Devonian Ma 370 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

DepositID 152 **Cont** AS **NameDeposit** Kyzyloba

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 50 **Long.Deg** 68 **Dec.Lat** 50.825 **StateProvince**

Lat.Min 49 **Long.Min** 26 **Dec.Long** 68.4333333

Lat.Sec 30 **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Revett Cu

Age Carboniferous **Ma** 320 **Unit** Vladimirovskaya Suite

HostRocks Sandy shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains Re and Mo

Reference Seyfullin, S.S., Kalinin, S.K. Strutinskiyi, A.V., and Fayn, E. Ye. 1974, 1974, Rhenium in stratified copper deposits and showings in west central Kazakstan: Geochemistry International, v. 11, no. 2 p. 414-418.

DepositID 153 **Cont** AS **NameDeposit** Kokpekty

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 50 **Long.Deg** 68 **Dec.Lat** 50.8033333 **StateProvince**

Lat.Min 48 **Long.Min** 10 **Dec.Long** 68.1666667

Lat.Sec 12 **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Revett Cu

Age Carboniferous **Ma** 320 **Unit** Vladimirovskaya Suite

HostRocks Sandy shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu:Re ratio, 1:7500; Re:Mo, !:3

Reference Seyfullin, S.S., Kalinin, S.K. Strutinskiyi, A.V., and Fayn, E. Ye. 1974, 1974, Rhenium in stratified copper deposits and showings in west central Kazakstan: Geochemistry International, v. 11, no. 2 p. 414-418.

DepositID 154 **Cont** AS **NameDeposit** Akken

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 50 **Long.Deg** 68 **Dec.Lat** 50.75 **StateProvince**

Lat.Min 45 **Long.Min** 30 **Dec.Long** 68.5

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Revett Cu

Age Carboniferous **Ma** 320 **Unit** Vladimirovskaya Suite

HostRocks Sandy shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains Re, Mo

Reference Seyfullin, S.S., Kalinin, S.K. Strutinskiyi, A.V., and Fayn, E. Ye. 1974, 1974, Rhenium in stratified copper deposits and showings in west central Kazakstan: Geochemistry International, v. 11, no. 2 p. 414-418.

DepositID 155 **Cont** AS **NameDeposit** Kopkazgen

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 50 **Long.Deg** 68 **Dec.Lat** 50.625 **StateProvince**

Lat.Min 37 **Long.Min** 08 **Dec.Long** 68.1333333

Lat.Sec 30 **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Revett Cu

Age Carboniferous **Ma** 320 **Unit** Vladimirovskaya Suite

HostRocks Sandy shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains Re, Mo

Reference Seyfullin, S.S., Kalinin, S.K. Strutinskiyi, A.V., and Fayn, E. Ye. 1974, 1974, Rhenium in stratified copper deposits and showings in west central Kazakstan: Geochemistry International, v. 11, no. 2 p. 414-418.

DepositID 156 **Cont** AS **NameDeposit** Aschilin Bay

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 50 **Long.Deg** 68 **Dec.Lat** 50.5 **StateProvince**

Lat.Min 30 **Long.Min** 07 **Dec.Long** 68.1166667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Revett Cu

Age L. Permian **Ma** 250 **Unit**

HostRocks Sandy shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

DepositID 157 **Cont** AS **NameDeposit** Teniz-Sarysu Divide

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 50 **Long.Deg** 67 **Dec.Lat** 50.4166667 **StateProvince**

Lat.Min 25 **Long.Min** 53 **Dec.Long** 67.8833333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Revett Cu

Age U. Devonian **Ma** 370 **Unit**

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

DepositID 158 **Cont** AS **NameDeposit** Akmolynsk-Ishim

OtherNames

Includes

Country Code KAZN Kazakhstan

Lat.Deg 50 **Long.Deg** 67 **Dec.Lat** 50.4166667 **StateProvince**

Lat.Min 25 **Long.Min** 53 **Dec.Long** 67.8833333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Revett Cu

Age Upper Devonian **Ma** 370 **Unit**

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Salt-gypsum beds. Deposit containsPb

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

DepositID 159 **Cont** AS **NameDeposit** Kenen

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 50 **Long.Deg** 68 **Dec.Lat** 50.3416667 **StateProvince**

Lat.Min 20 **Long.Min** 00 **Dec.Long** 68

Lat.Sec 30 **Long.Sec** 00

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Revett Cu

Age M. Carboniferous **Ma** 320 **Unit**

HostRocks Sandy shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu:Re, 1:540; Re:Mo, 1:1.5

Reference Seyfullin, S.S., Kalinin, S.K. Strutinskiyi, A.V., and Fayn, E. Ye. 1974, 1974, Rhenium in stratified copper deposits and showings in west central Kazakstan: Geochemistry International, v. 11, no. 2 p. 414-418.

DepositID 160 **Cont** AS **NameDeposit** Aktubinsk

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 50 **Long.Deg** 57 **Dec.Lat** 50.2666667 **StateProvince**

Lat.Min 16 **Long.Min** 20 **Dec.Long** 57.3333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L. Permian **Ma** 250 **Unit**

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments 2,800 occurrences in area100 by 600 km

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 161 Cont AS NameDeposit Ulutau North

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 49 Long.Deg 67 Dec.Lat 49.1 StateProvince

Lat.Min 06 Long.Min 00 Dec.Long 67

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Revett Cu

Age U. Devonian Ma 370 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

DepositID 162 Cont AS NameDeposit Ulutau South

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 48 Long.Deg 67 Dec.Lat 48.5166667 StateProvince

Lat.Min 31 Long.Min 00 Dec.Long 67

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Revett Cu

Age U. Devonian Ma 370 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

DepositID 163 Cont AS NameDeposit Karashoshak

OtherNames

Includes Kipshakpai

Country Code KAZN Kazakstan

Lat.Deg 48 Long.Deg 67 Dec.Lat 48.3411111 StateProvince

Lat.Min 20 Long.Min 43 Dec.Long 67.7236111

Lat.Sec 28 Long.Sec 25

OreMmt 47.45 CuGrade% 1.04 CoGrade% AgGradeppm

CuMmt .49348

Subtype Revett Cu

Age U. Carboniferous Ma 300 Unit Dzhezkazgan Grp.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains Re, Mo. Taskuduk Belt

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

Samonov, I. Z., and Pozharisky, I.F., 1977, Deposits of copper *in* Smirnov, V.I. , ed., Ore Deposits of the USSR, v.2, London Pitman Publishing, p. 106-182.

DepositID 164 Cont AS NameDeposit Kipshakpay

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 48 Long.Deg 67 Dec.Lat 48.3 StateProvince

Lat.Min 18 Long.Min 34 Dec.Long 67.5666667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Revett Cu

Age U. Carboniferous Ma 300 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains Re, Mo. Taskuduk Belt

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

Seyfullin, S.S., Kalinin, S.K. Strutinskiyi, A.V., and Fayn, E. Ye. 1974, 1974, Rhenium in stratified copper deposits and showings in west central Kazakstan: Geochemistry International, v. 11, no. 2 p. 414-418.

DepositID 165 Cont AS NameDeposit Sarioba

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 48 Long.Deg 67 Dec.Lat 48.2833333 StateProvince

Lat.Min 17 Long.Min 26 Dec.Long 67.4333333

Lat.Sec Long.Sec

OreMmt 177.7 CuGrade%0.87 CoGrade% AgGradeppm

CuMmt 1.54599

Subtype Revett Cu

Age U. Carboniferous Ma 300 Unit Dzhezkazgan Grp.

HostRocks Sandstone, silstone conglomerate

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, bornite, chalcocite

TraceMinerals

Comments Cu, Pb, Zn, Ag, Re

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

Samonov, I. Z., and Pozharisky, I.F., 1977, Deposits of copper *in* Smirnov, V.I. , ed., Ore Deposits of the USSR, v.2, London Pitman Publishing, p. 106-182.

DepositID 166 Cont AS NameDeposit Itauz

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 48 Long.Deg 67 Dec.Lat 48.2666667 StateProvince

Lat.Min 16 Long.Min 20 Dec.Long 67.3333333

Lat.Sec Long.Sec

OreMmt 77.15 CuGrade% 0.83 CoGrade% AgGradeppm

CuMmt .640345

Subtype Revett Cu

Age U. Carboniferous Ma 300 Unit Dzhezkazgan Grp.

HostRocks Sandstone, silstone conglomerate

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, bornite, chalcocite

TraceMinerals

Comments Contains Re, Mo. Taskuduk Belt

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

Samonov, I. Z., and Pozharisky, I.F., 1977, Deposits of copper *in* Smirnov, V.I. , ed., Ore Deposits of the USSR, v.2, London Pitman Publishing, p. 106-182.

DepositID 167 **Cont** AS **NameDeposit** Kengir

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 48 **Long.Deg** 68 **Dec.Lat** 48.1933333 **StateProvince**

Lat.Min 11 **Long.Min** 00 **Dec.Long** 68

Lat.Sec 36 **Long.Sec** 00

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Revett Cu

Age U. Devonian **Ma** 370 **Unit** Dzhezkazgan Grp.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

DepositID 168 **Cont** AS **NameDeposit** Dzhartas

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 48 **Long.Deg** 67 **Dec.Lat** 48.1266667 **StateProvince**

Lat.Min 07 **Long.Min** 32 **Dec.Long** 67.5416667

Lat.Sec 36 **Long.Sec** 30

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Revett Cu

Age U. Carboniferous **Ma** 300 **Unit** Dzhezkazgan Grp.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Re:Cu, 1:3200; Re:Mo, 1:0.6

Reference

Seyfullin, S.S., Kalinin, S.K. Strutinskiyi, A.V., and Fayn, E. Ye. 1974, 1974, Rhenium in stratified copper deposits and showings in west central Kazakstan: Geochemistry International, v. 11, no. 2 p. 414-418.

DepositID 169 **Cont** AS **NameDeposit** Sorkuduk

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 48 **Long.Deg** 67 **Dec.Lat** 48.0166667 **StateProvince**

Lat.Min 01 **Long.Min** 32 **Dec.Long** 67.5402778

Lat.Sec **Long.Sec** 25

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Revett Cu

Age Carboniferous **Ma** 320 **Unit** Dzhezkazgan Grp.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Re:Cu, 1:7500; Re:Mo, 1:1.1

Reference

Seyfullin, S.S., Kalinin, S.K. Strutinskiyi, A.V., and Fayn, E. Ye. 1974, 1974, Rhenium in stratified copper deposits and showings in west central Kazakstan: Geochemistry International, v. 11, no. 2 p. 414-418.

DepositID 170 **Cont** AS **NameDeposit** Dzhezkazgan

OtherNames Jeskesgan, Zhezkazgan

Includes

Country Code KAZN Kazakhstan

Lat.Deg 48 **Long.Deg** 67 **Dec.Lat** 48.1222222 **StateProvince**

Lat.Min 7 **Long.Min** 23 **Dec.Long** 67.3919444

Lat.Sec 20 **Long.Sec** 31

OreMmt 439 **CuGrade%** 1.54 **CoGrade%** **AgGradeppm**

CuMmt 6.7606

Subtype Revett Cu

Age Carboniferous **Ma** 320 **Unit** Dzhezkazgan suite

HostRocks Sandstone, siltstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, bornite, chalcopyrite, galena sphalerite, native silver, calcite, barite

TraceMinerals Pyrite, marcasite, arsenopyrite, betekhtinite, dzhezkazganite

Comments 26 layers of gray sandstone are mineralized, 19, economic. Anomalous As, Cd, Bi, Co, Hg,. Au, Ni, Mo

Reference

Gablina, I. F., 1981, New data on formation conditions of the Dzhezkazgan copper deposit: International Geology Review, v. 23, p.1303-1311.

Samonov, I. Z., and Pozharisky, I.F., 1977, Deposits of copper in Smirnov, V.I. , ed., Ore Deposits of the USSR, v.2, London Pitman Publishing, p. 106-182.

Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

DepositID 171 **Cont** AS **NameDeposit** Spasski

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 47 **Long.Deg** 67 **Dec.Lat** 47.8166667 **StateProvince**

Lat.Min 49 **Long.Min** 18 **Dec.Long** 67.3

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Revett Cu

Age Carboniferous **Ma** 320 **Unit** Dzhezkazgan Grp.

HostRocks Sandstone, silstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, bornite, chalcocite

TraceMinerals

Comments Cu, Pb, Zn, Ag, Re

Reference Samonov, I. Z., and Pozharisky, I.F., 1977, Deposits of copper *in* Smirnov, V.I. , ed., Ore Deposits of the USSR, v.2, London Pitman Publishing, p. 106-182.

DepositID 172 **Cont** AS **NameDeposit** Shipisai

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 47 **Long.Deg** 67 **Dec.Lat** 47.8 **StateProvince**

Lat.Min 48 **Long.Min** 08 **Dec.Long** 67.1333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Revett Cu

Age Carboniferous **Ma** 320 **Unit** Dzhezkazgan Grp.

HostRocks Sandstone, silstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, bornite, chalcocite

TraceMinerals

Comments Cu, Pb, Zn, Ag, Re

Reference Samonov, I. Z., and Pozharisky, I.F., 1977, Deposits of copper *in* Smirnov, V.I. , ed., Ore Deposits of the USSR, v.2, London Pitman Publishing, p. 106-182.

DepositID 173 **Cont** AS **NameDeposit** Dzhezdy

OtherNames

Includes

Country Code KAZN Kazakhstan

Lat.Deg 47 **Long.Deg** 66 **Dec.Lat** 47.5833333 **StateProvince**

Lat.Min 35 **Long.Min** 52 **Dec.Long** 66.8666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Revett Cu

Age Carboniferous **Ma** 320 **Unit** Dzhezkazgan Grp.

HostRocks Sandstone, silstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, bornite, chalcocite

TraceMinerals

Comments Cu, Pb, Zn, Ag, Re

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

DepositID 174 **Cont** AS **NameDeposit** Chu River

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 45 **Long.Deg** 70 **Dec.Lat** 45 **StateProvince**

Lat.Min **Long.Min** **Dec.Long** 70

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L. Carboniferous **Ma** 340 **Unit**

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

DepositID 175 **Cont** AS **NameDeposit** Naukatski

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 44 **Long.Deg** 65 **Dec.Lat** 44.8666667 **StateProvince**

Lat.Min 52 **Long.Min** 28 **Dec.Long** 65.4666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Tertiary **Ma** 30 **Unit** Arkozovy Ss.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 176 **Cont** AS **NameDeposit** Mangyshlak Peninsula-Karaduan

OtherNames

Includes

Country Code KAZN **Kazakistan**

Lat.Deg 44 **Long.Deg** 51 **Dec.Lat** 44.5 **StateProvince**

Lat.Min 30 **Long.Min** 00 **Dec.Long** 51

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age M. Triassic **Ma** 220 **Unit** Tartala Fm

HostRocks Conglomerate, sandstone, limestone, siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Other copper occurrences in overlying M. Triassic redbeds of Karduan Fm.

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 177 **Cont** AS **NameDeposit** Mangyshlak Peninsula-Tartala

OtherNames

Includes

Country Code KAZN Kazakhstan

Lat.Deg 44 **Long.Deg** 50 **Dec.Lat** 44.4666667 **StateProvince**

Lat.Min 28 **Long.Min** 45 **Dec.Long** 50.75

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age L. Triassic **Ma** 220 **Unit** Tartala Fm

HostRocks Calcareous sandstone, limestone, siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 178 **Cont** AS **NameDeposit** Urup Sandstone

OtherNames

Includes

Country Code RUSA Russia

Lat.Deg 43 **Long.Deg** 40 **Dec.Lat** 43.7 **StateProvince**

Lat.Min 42 **Long.Min** 58 **Dec.Long** 40.9666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Jurassic **Ma** 180 **Unit**

HostRocks Siltstone, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Source of copper in underlying Paleozoic Chalcopyrite deposit.

Reference Zhabin, A.G., 1973, Jurassic redeposition copper halo of Paleozoic chalcopyrite ores: International Geology Review, V. 15, no. 4, p. 437-444.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 179 Cont AS NameDeposit Zhanatas

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 43 Long.Deg 69 Dec.Lat 43.5 StateProvince

Lat.Min 30 Long.Min 50 Dec.Long 69.8333333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Carboniferous Ma 340 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

DepositID 180 **Cont** AS **NameDeposit** Mirgalim-Sai

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 43 **Long.Deg** 68 **Dec.Lat** 43.45 **StateProvince**

Lat.Min 27 **Long.Min** 29 **Dec.Long** 68.4833333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age L, Carboniferous **Ma** 340 **Unit**

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains Pb, Zn, Cu

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 181 Cont AS NameDeposit Dzhambul

OtherNames

Includes

Country Code KAZN Kazakstan

Lat.Deg 42 Long.Deg 71 Dec.Lat 42.75 StateProvince

Lat.Min 45 Long.Min 30 Dec.Long 71.5

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Carboniferous Ma 340 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

DepositID 182 **Cont** AS **NameDeposit** Northern Kirgizia

OtherNames

Includes Atdzhayly, Dalen, Dzhilubulak, Skoye Utor, Tuyuk Kegeninskoye

Country Code KYRZ Kyrgyzstan

Lat.Deg 42 **Long.Deg** 75 **Dec.Lat** 42.6333333 **StateProvince**

Lat.Min 38 **Long.Min** 14 **Dec.Long** 75.2333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age L. Carboniferous **Ma** 340 **Unit** Malinov Suite

HostRocks Conglomerate, sandstone, siltstone, argillite

HangingwallBeds

FootwallRocks Gypsum

Mineralogy

TraceMinerals

Comments

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 183 **Cont** AS **NameDeposit** Dzhergalansk

OtherNames

Includes

Country Code KYRZ Kyrgyzstan

Lat.Deg 42 **Long.Deg** 79 **Dec.Lat** 42.6333333 **StateProvince**

Lat.Min 38 **Long.Min** 00 **Dec.Long** 79

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Carboniferous **Ma** 320 **Unit**

HostRocks Sandstone

HangingwallBeds Gypsum

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Davidson, C.F., 1965, A possible mode of origin of stratabound copper ores: Economic Geology, v. 60, p. 942-954.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 184 Cont AS NameDeposit Frunzeul

OtherNames

Includes

Country Code KYRZ Kyrgyzstan

Lat.Deg 42 Long.Deg 74 Dec.Lat 42.5333333 StateProvince

Lat.Min 32 Long.Min 55 Dec.Long 74.9166667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Carboniferous Ma 320 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 185 Cont AS NameDeposit Przheval

OtherNames

Includes

Country Code KYRZ Kyrgyzstan

Lat.Deg 42 Long.Deg 78 Dec.Lat 42.525 StateProvince

Lat.Min 31 Long.Min 40 Dec.Long 78.6666667

Lat.Sec 30 Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Carboniferous Ma 320 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 186 **Cont** AS **NameDeposit** Kara Balty

OtherNames

Includes

Country Code KYRZ Kyrgyzstan

Lat.Deg 42 **Long.Deg** 73 **Dec.Lat** 42.5166667 **StateProvince**

Lat.Min 31 **Long.Min** 50 **Dec.Long** 73.8333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Carboniferous **Ma** 320 **Unit**

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 187 **Cont** AS **NameDeposit** Kyzyl-Bel

OtherNames

Includes

Country Code KYRZ Kyrgyzstan

Lat.Deg 42 **Long.Deg** 72 **Dec.Lat** 42.5 **StateProvince**

Lat.Min 30 **Long.Min** 00 **Dec.Long** 72

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U. Proterozic **Ma** 700 **Unit**

HostRocks Argillite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 188 **Cont** AS **NameDeposit** Rybachye

OtherNames

Includes

Country Code KYRZ Kyrgyzstan

Lat.Deg 42 **Long.Deg** 75 **Dec.Lat** 42.5 **StateProvince**

Lat.Min 30 **Long.Min** 40 **Dec.Long** 75.6666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Carboniferous **Ma** 320 **Unit** Malinov Suite

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 189 Cont AS NameDeposit Talas Alatau

OtherNames

Includes

Country Code KYRZ Kyrgyzstan

Lat.Deg 42 Long.Deg 72 Dec.Lat 42.25 StateProvince

Lat.Min 15 Long.Min 30 Dec.Long 72.5

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age L. Cambrian Ma 560 Unit Malinov Ser.

HostRocks Schist

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Popov, V.M., 1962, Geologic regularities in the distribution of cupriferous sandstones in central Kazakhstan and the Northern Tyan'-Shan: International Geology Review, v. 4, p. 393-411.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 190 Cont AS NameDeposit Dschurger

OtherNames

Includes

Country Code CINA China

Lat.Deg 41 Long.Deg 81 Dec.Lat 41.8 StateProvince Sinkiang

Lat.Min 48 Long.Min 50 Dec.Long 81.8333333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Tertiary Ma 60 Unit

HostRocks Shale, sandstone

HangingwallBeds

FootwallRocks

Mineralogy Azurite, malachite

TraceMinerals

Comments

Reference Chu, H.J., 1935, The copper deposits of China *in* Copper Resources of the World, V.2 XVI International Geological Congress, Washington D.C., p 663-680.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 191 Cont AS NameDeposit Kucha

OtherNames Kuqa

Includes

Country Code CINA China

Lat.Deg 41 Long.Deg 82 Dec.Lat 41.75 StateProvince Xinjiang

Lat.Min 45 Long.Min 45 Dec.Long 82.75

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Tertiary Ma 60 Unit Konchan Fm

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments .

Reference Cheng, Shoude, 1989, Geological characteristics and genesis of Tertiary copper-bearing sandstone occurrences along the northwestern margin of the Tarim Basin, Xinjiang Uygur Autonomous Region, China *in* Boyle, R.W., Brown, A.C., Jefferson, C. W., Jowett, E.C., and Kirkham, R.V. eds., *Sediment-hosted Stratiform Copper Deposits*: Geological Association of Canada Special Paper 36, p. 661-665

Kirkham, R.V., Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 192 Cont AS NameDeposit Aksu

OtherNames

Includes

Country Code CINA China

Lat.Deg 41 Long.Deg 80 Dec.Lat 41.6 StateProvince Xinjiang

Lat.Min 36 Long.Min 18 Dec.Long 80.3

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Tertiary Ma 60 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Konchan Fm.

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 193 Cont AS NameDeposit Disue-2
 OtherNames
 Includes
 Country Code CINA China
 Lat.Deg 41 Long.Deg 82 Dec.Lat 41.5666667 StateProvince Xinjiang
 Lat.Min 34 Long.Min 00 Dec.Long 82
 Lat.Sec Long.Sec
 OreMmt CuGrade% CoGrade% AgGradeppm
 CuMmt
 Subtype Redbed Cu
 Age Miocene-Pliocene Ma 12 Unit Konchan Fm.
 HostRocks Sandstone
 HangingwallBeds
 FootwallRocks
 Mineralogy Chalcocite, bornite, chalcopyrite, covellite. Calcite, hematite, chlorite, pyrite
 TraceMinerals Galena

Comments

Reference Cheng, Shoude, 1989, Geological characteristics and genesis of Tertiary copper-bearing sandstone occurrences along the northwestern margin of theTarim Basin, Xinjiang Uygur Autonomous Region, China *in* Boyle, R.W., Brown, A.C., Jefferson, C. W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36, p. 661-665

 Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 194 Cont AS NameDeposit Disue-1

OtherNames

Includes

Country Code CINA China

Lat.Deg 41 Long.Deg 81 Dec.Lat 41.5 StateProvince Xinjiang

Lat.Min 30 Long.Min 15 Dec.Long 81.25

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Miocene-Pliocene Ma 12 Unit Konchan Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, bornite, chalcopyrite, covellite, calcite, hematite, chlorite, pyrite, galena

TraceMinerals

Comments Konchan Fm.

Reference Cheng, Shoude, 1989, Geological characteristics and genesis of Tertiary copper-bearing sandstone occurrences along the northwestern margin of the Tarim Basin, Xinjiang Uygur Autonomous Region, China *in* Boyle, R.W., Brown, A.C., Jefferson, C. W., Jowett, E.C., and Kirkham, R.V. eds., *Sediment-hosted Stratiform Copper Deposits*: Geological Association of Canada Special Paper 36, p. 661-665

Kirkham, R.V., Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 195 Cont AS NameDeposit Naukat

OtherNames

Includes

Country Code UZBN Uzbekistan

Lat.Deg 40 Long.Deg 71 Dec.Lat 40.8333333 StateProvince

Lat.Min 50 Long.Min 36 Dec.Long 71.6

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Neogene Ma 12 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 196 **Cont** AS **NameDeposit** Chimbai-Saluk

OtherNames

Includes

Country Code KYRG Kyrgyzstan

Lat.Deg 40 **Long.Deg** 73 **Dec.Lat** 40.25 **StateProvince**

Lat.Min 15 **Long.Min** 00 **Dec.Long** 73

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Neogene **Ma** 12 **Unit**

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 197 Cont AS NameDeposit Ravinou

OtherNames

Includes

Country Code KYRG Kyrgyzstan

Lat.Deg 40 Long.Deg 72 Dec.Lat 40.2 StateProvince

Lat.Min 12 Long.Min 24 Dec.Long 72.4

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age U. Permian Ma 260 Unit Khatarminsk

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian).

Vol'nov, B.A., Leleshus, V.L., and Provotorov, N.G., 1978, Presence of copper in the southwestern Darvaz: Doklady Akademii Nauk Tadzhikskoi SSR-CISTI, v. 21, p. 37-40. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID	198	Cont	AS	NameDeposit	Naykatskoye
OtherNames					
Includes					
Country Code	CINA	China			
Lat.Deg	40	Long.Deg	74	Dec.Lat	40
Lat.Min	00	Long.Min	45	Dec.Long	74.75
Lat.Sec		Long.Sec			
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Redbed Cu				
Age	L. Tertiary		Ma	60	Unit
HostRocks	Sandstone				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID	199	Cont	AS	NameDeposit	Kungitang
OtherNames					
Includes					
Country Code	CINA	China			
Lat.Deg	39	Long.Deg	74	Dec.Lat	39.7333333
Lat.Min	44	Long.Min	2	Dec.Long	74.0333333
Lat.Sec		Long.Sec			
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Redbed Cu				
Age	L. Tertiary		Ma	60	Unit
HostRocks	Sandstone				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID	200	Cont	AS	NameDeposit	Gaudan
OtherNames					
Includes					
Country Code	CINA	China			
Lat.Deg	39	Long.Deg	74	Dec.Lat	39.7166667
Lat.Min	43	Long.Min	2	Dec.Long	74.0333333
Lat.Sec		Long.Sec			
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Redbed Cu				
Age	L. Tertiary		Ma	60	Unit
HostRocks	Sandstone				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 201 **Cont** AS **NameDeposit** Daraitang

OtherNames

Includes

Country Code TAJI Tajikistan

Lat.Deg 39 **Long.Deg** 72 **Dec.Lat** 39.3333333 **StateProvince**

Lat.Min 20 **Long.Min** 30 **Dec.Long** 72.5

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age U. Permian **Ma** 260 **Unit** Daraitang Series

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian).

Vol'nov, B.A., Leleshus, V.L., and Provotorov, N.G., 1978, Presence of copper in the southwestern Darvaz: Doklady Akademii Nauk Tadzhikskoi SSR-CISTI, v. 21, p. 37-40. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 202 **Cont** AS **NameDeposit** Khozretishi

OtherNames

Includes

Country Code TADZ Tajikistan

Lat.Deg 39 **Long.Deg** 68 **Dec.Lat** 39.25 **StateProvince**

Lat.Min 15 **Long.Min** 00 **Dec.Long** 68

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age L. Cretaceous **Ma** 120 **Unit** Karakuz Fm.

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 203 **Cont** AS **NameDeposit** Gissar Range

OtherNames

Includes

Country Code TADZ Tajikistan

Lat.Deg 39 **Long.Deg** 68 **Dec.Lat** 39 **StateProvince**

Lat.Min 00 **Long.Min** 00 **Dec.Long** 68

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age L. Cretaceous **Ma** 120 **Unit** Obigarm Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 204 **Cont** AS **NameDeposit** Vakhsh Range

OtherNames

Includes

Country Code TADZ Tajikistan

Lat.Deg 38 **Long.Deg** 69 **Dec.Lat** 38.25 **StateProvince**

Lat.Min 15 **Long.Min** 10 **Dec.Long** 69.1666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age L. Cretaceous **Ma** 120 **Unit** Yavan Fm.

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 205 Cont AS NameDeposit Hadilik

OtherNames KuQa

Includes

Country Code CINA China

Lat.Deg 37 Long.Deg 87 Dec.Lat 37.6333333 StateProvince Xinjiang

Lat.Min 38 Long.Min 00 Dec.Long 87

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Tertiary Ma 60 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Cheng, Shoude, 1989, Geological characteristics and genesis of Tertiary copper-bearing sandstone occurrences along the northwestern margin of the Tarim Basin, Xinjiang Uygur Autonomous Region, China *in* Boyle, R.W., Brown, A.C., Jefferson, C. W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36, p. 661-665

Kirkham, R.V., Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID	206	Cont	AS	NameDeposit	Lake Ayakkum
OtherNames	KuQa				
Includes					
Country Code	CINA	China			
Lat.Deg	37	Long.Deg	89	Dec.Lat	37.5833333
Lat.Min	35	Long.Min	10	Dec.Long	89.1666667
Lat.Sec		Long.Sec			
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Redbed Cu				
Age	L. Tertiary		Ma	60	Unit
HostRocks	Sandstone				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 207 Cont AS NameDeposit West Sinkiang

OtherNames

Includes

Country Code CINA China

Lat.Deg 35 Long.Deg 111 Dec.Lat 35.5833333 StateProvince

Lat.Min 35 Long.Min 15 Dec.Long 111.25

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Ma Unit

HostRocks Sandstone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Chu, H.J., 1935, The copper deposits of China *in* Copper Resources of the World, V.2 XVI International Geological Congress, Washington D.C., p 663-680.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 208 **Cont** AS **NameDeposit** Surkh-i-Parso

OtherNames

Includes

Country Code AFGN Afghanistan

Lat.Deg 34 **Long.Deg** 68 **Dec.Lat** 34.85 **StateProvince** Parwan

Lat.Min 51 **Long.Min** 39 **Dec.Long** 68.65

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Carbonif.- L. Permian **Ma** 286 **Unit**

HostRocks Marble, limestone

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite

TraceMinerals

Comments Uranium minerals present

Reference Abdullah, S., Chmyriov, V.M., Stazhilo-Alekseev, K.F, Dronov, V.I., Gannon, P.J., Lubemov, B.K., Kafarskiy,A.K.H, and Malyarov, E.P.,1977 Mineral resources of Afghanistan: Ministry of Mines and Industries, Afghan Geological and Mines Survey, Republic of Afghanistan, Kabul, Edition 2, 419 p.

DepositID 209 **Cont** AS **NameDeposit** Taghar

OtherNames

Includes

Country Code AFGH Afganistan

Lat.Deg 34 **Long.Deg** 69 **Dec.Lat** 34.4313889 **StateProvince** Kabul

Lat.Min 25 **Long.Min** 22 **Dec.Long** 69.3786111

Lat.Sec 53 **Long.Sec** 43

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Vendian-Cambrian **Ma** 570 **Unit**

HostRocks Micaceous carbonate, phyllite

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, bornite, chalcocite, covellite

TraceMinerals

Comments

Reference Abdullah, S., Chmyriov, V.M., Stazhilo-Alekseev, K.F, Dronov, V.I., Gannon, P.J., Lubemov, B.K., Kafarskiy, A.K.H, and Malyarov, E.P., 1977 Mineral resources of Afghanistan: Ministry of Mines and Industries, Afghan Geological and Mines Survey, Republic of Afghanistan, Kabul, Edition 2, 419 p.

DepositID 210 **Cont** AS **NameDeposit** Ghuldarra

OtherNames

Includes

Country Code AFGH Afganistan

Lat.Deg 34 **Long.Deg** 69 **Dec.Lat** 34.3980556 **StateProvince** Kabul

Lat.Min 23 **Long.Min** 18 **Dec.Long** 69.3055556

Lat.Sec 53 **Long.Sec** 20

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Vendian-Cambrian **Ma** 570 **Unit**

HostRocks Marble

HangingwallBeds

FootwallRocks

Mineralogy Covellite, chalcopyrite, chalcocite

TraceMinerals

Comments

Reference Abdullah, S., Chmyriov, V.M., Stazhilo-Alekseev, K.F, Dronov, V.I., Gannon, P.J., Lubemov, B.K., Kafarskiy,A.K.H, and Malyarov, E.P.,1977 Mineral resources of Afghanistan: Ministry of Mines and Industries, Afghan Geological and Mines Survey, Republic of Afghanistan, Kabul, Edition 2, 419 p.

DepositID 211 Cont AS NameDeposit Khurdkabul

OtherNames

Includes

Country Code AFGH Afganistan

Lat.Deg 34 Long.Deg 69 Dec.Lat 34.372222 StateProvince Kabul

Lat.Min 22 Long.Min 22 Dec.Long 69.377778

Lat.Sec 20 Long.Sec 40

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Vendian-Cambrian Ma 570 Unit

HostRocks Carbonate-phyllite, garnet-mica schist, marble

HangingwallBeds

FootwallRocks

Mineralogy Covellite, chalcopyrite, chalcocite

TraceMinerals

Comments

Reference Abdullah, S., Chmyriov, V.M., Stazhilo-Alekseev, K.F, Dronov, V.I., Gannon, P.J., Lubemov, B.K., Kafarskiy, A.K.H, and Malyarov, E.P., 1977 Mineral resources of Afghanistan: Ministry of Mines and Industries, Afghan Geological and Mines Survey, Republic of Afghanistan, Kabul, Edition 2, 419 p.

DepositID 212 **Cont** AS **NameDeposit** Zakhel

OtherNames

Includes

Country Code AFGH Afghanistan

Lat.Deg 34 **Long.Deg** 69 **Dec.Lat** 34.3347222 **StateProvince** Kabul

Lat.Min 20 **Long.Min** 16 **Dec.Long** 69.2666667

Lat.Sec 5 **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Vendian-Cambrian **Ma** 570 **Unit**

HostRocks Marble

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Two zones, 1000 m long, 40 m thick, 1.06% Cu

Reference Abdullah, S., Chmyriov, V.M., Stazhilo-Alekseev, K.F, Dronov, V.I., Gannon, P.J., Lubemov, B.K., Kafarskiy,A.K.H, and Malyarov, E.P.,1977 Mineral resources of Afghanistan: Ministry of Mines and Industries, Afghan Geological and Mines Survey, Republic of Afghanistan, Kabul, Edition 2, 419 p.

DepositID	213	Cont	AS	NameDeposit	Jawkhar
OtherNames					
Includes					
Country Code	AFGH	Afganistan			
Lat.Deg	34	Long.Deg	69	Dec.Lat	34.3158333
Lat.Min	18	Long.Min	18	Dec.Long	69.3027778
Lat.Sec	57	Long.Sec	10		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype Uncl.					
Age	Vendian-Cambrian			Ma	570
HostRocks	Calcareous sedimentary rocks, amphibolite, quartzite				
HangingwallBeds					
FootwallRocks					
Mineralogy	Chalcopyrite, bornite, sphalerite, pyrite, pyrrhotite, magnetite, ilmenite				
TraceMinerals					
Comments					
Reference	Abdullah, S., Chmyriov, V.M., Stazhilo-Alekseev, K.F, Dronov, V.I., Gannon, P.J., Lubemov, B.K., Kafarskiy,A.K.H, and Malyarov, E.P.,1977 Mineral resources of Afghanistan: Ministry of Mines and Industries, Afghan Geological and Mines Survey, Republic of Afghanistan, Kabul, Edition 2, 419 p.				

DepositID 214 Cont AS NameDeposit Darband

OtherNames

Includes

Country Code AFGH Afganistan

Lat.Deg 34 Long.Deg 69 Dec.Lat 34.2666667 StateProvince Kabul

Lat.Min 16 Long.Min 24 Dec.Long 69.4

Lat.Sec Long.Sec

OreMmt 1 CuGrade% 1 CoGrade% AgGradeppm

CuMmt .01

Subtype Uncl.

Age Vendian-Cambrian Ma 570 Unit

HostRocks Micaceous marble, biotite-amphibole schist

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, bornite, pyrite

TraceMinerals

Comments

Reference Abdullah, S., Chmyriov, V.M., Stazhilo-Alekseev, K.F, Dronov, V.I., Gannon, P.J., Lubemov, B.K., Kafarskiy, A.K.H, and Malyarov, E.P., 1977 Mineral resources of Afghanistan: Ministry of Mines and Industries, Afghan Geological and Mines Survey, Republic of Afghanistan, Kabul, Edition 2, 419 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 215 **Cont** AS **NameDeposit** Aynak

OtherNames

Includes

Country Code AFGH Afghanistan

Lat.Deg 34 **Long.Deg** 69 **Dec.Lat** 34.2661111 **StateProvince** Kabul

Lat.Min 15 **Long.Min** 18 **Dec.Long** 69.3005556

Lat.Sec 58 **Long.Sec** 2

OreMmt 350 **CuGrade%** 2 **CoGrade%** **AgGradeppm**

CuMmt 7

Subtype Uncl.

Age Vendian-Cambrian **Ma** 570 **Unit**

HostRocks Sandstone, dolomite, carbonaceous shale

HangingwallBeds

FootwallRocks

Mineralogy Bornite chalcopyrite, pyrite, pyrrhotite, magnetite, carbon

TraceMinerals Sphalerite, pentlandite, violarite, smaltite, linnaeite

Comments

Reference Abdullah, S., Chmyriov, V.M., Stazhilo-Alekseev, K.F, Dronov, V.I., Gannon, P.J., Lubemov, B.K., Kafarskiy, A.K.H, and Malyarov, E.P., 1977 Mineral resources of Afghanistan: Ministry of Mines and Industries, Afghan Geological and Mines Survey, Republic of Afghanistan, Kabul, Edition 2, 419 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 216 **Cont** AS **NameDeposit** Khundara

OtherNames

Includes

Country Code AFGH Afghanistan

Lat.Deg 34 **Long.Deg** 69 **Dec.Lat** 34.2319444 **StateProvince** Loghar

Lat.Min 13 **Long.Min** 15 **Dec.Long** 69.2611111

Lat.Sec 55 **Long.Sec** 40

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Vendian-Cambrian **Ma** 570 **Unit**

HostRocks Slate, marble

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments 200-500 m long, 10-20 m thick, 0.8-1.7 % Cu

Reference Abdullah, S., Chmyriov, V.M., Stazhilo-Alekseev, K.F, Dronov, V.I., Gannon, P.J., Lubemov, B.K., Kafarskiy, A.K.H, and Malyarov, E.P., 1977 Mineral resources of Afghanistan: Ministry of Mines and Industries, Afghan Geological and Mines Survey, Republic of Afghanistan, Kabul, Edition 2, 419 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 217 **Cont** AS **NameDeposit** Jhakkar Kot

OtherNames

Includes

Country Code PKTH Pakistan

Lat.Deg 32 **Long.Deg** 72 **Dec.Lat** 32.5591667 **StateProvince**

Lat.Min 33 **Long.Min** 28 **Dec.Long** 72.4666667

Lat.Sec 33 **Long.Sec** 00

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L. Permian **Ma** 260 **Unit** Warchha Sandstone

HostRocks Arkose, conglomerate, coal

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Central Salt Range

Reference Shah, S.M., 1980, Stratigraphy and economic geology of the Central Salt Range: Records of the Geological Survey of Pakistan, v. 52

DepositID	218	Cont	AS	NameDeposit	TungKung
OtherNames	HsiKu				
Includes					
Country Code	CINA	China			
Lat.Deg	31	Long.Deg	111	Dec.Lat	31.366667
Lat.Min	22	Long.Min	46	Dec.Long	111.766667
Lat.Sec		Long.Sec			
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Redbed Cu				
Age	Triassic	Ma	225	Unit	
HostRocks	Limestone				
HangingwallBeds					
FootwallRocks					
Mineralogy	Chalcocite, malachite				
TraceMinerals					
Comments					

Reference Chu, H.J.,1935, The copper deposits of China *in* Copper Resources of the World, V.2 XVI International Geological Congress, Washington D.C., p 663-680.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 219 **Cont** AS **NameDeposit** Qamdo

OtherNames Zhangdu

Includes

Country Code CINA China

Lat.Deg 31 **Long.Deg** 97 **Dec.Lat** 31.1666667 **StateProvince** Xizang

Lat.Min 10 **Long.Min** 14 **Dec.Long** 97.2333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Triassic **Ma** 220 **Unit**

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Deposit type doubtful.

Reference Chen, w., 1977 The geological characteristics, minerogenetic effects and ore-finding indices of the terrestrial sandstone copper ore of the Mesozoic era in southern regions of China; Academia Geologica Sinica, v. 3.

Wang, Y., Chen, C., He, G., and Chen, J. 1981 An outline of the marine Triassic in China: International Union of Geological Sciences, International Subcommission on Triassic Stratigraphy, Tozer, E.T., ed., 21 p.

DepositID 220 **Cont** AS **NameDeposit** DaTongChang

OtherNames

Includes

Country Code CINA China

Lat.Deg 30 **Long.Deg** 105 **Dec.Lat** 30.6666667 **StateProvince** Sichuan

Lat.Min 40 **Long.Min** 4 **Dec.Long** 105.066667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Cretaceous **Ma** 100 **Unit**

HostRocks Purple and gray mudstone, sandstone

HangingwallBeds Salt bearing mudstone

FootwallRocks Sandstone, coal

Mineralogy Chalcocite

TraceMinerals

Comments

Reference Chen, W., 1988, Mesozoic and Cenozoic sandstone-hosted copper deposits in South China: Mineralium Deposita, v. 23, p. 262-267.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 221 Cont AS NameDeposit ChienChupa

OtherNames

Includes

Country Code CINA China

Lat.Deg 30 Long.Deg 103 Dec.Lat 30 StateProvince Sichuan

Lat.Min Long.Min Dec.Long 103

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Triassic Ma 220 Unit

HostRocks Gray-black sandy shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Chu, H.J., 1935, The copper deposits of China *in* Copper Resources of the World, V.2 XVI International Geological Congress, Washington D.C., p 663-680.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 222 Cont AS NameDeposit OmeiHsien

OtherNames

Includes

Country Code CINA China

Lat.Deg 29 Long.Deg 106 Dec.Lat 29.2833333 StateProvince Sichuan

Lat.Min 17 Long.Min 12 Dec.Long 106.2

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Triassic Ma 220 Unit

HostRocks Sandy shale

HangingwallBeds

FootwallRocks Basalt

Mineralogy

TraceMinerals

Comments Underlain by Permian basalt

Reference Chu, H.J.,1935, The copper deposits of China *in* Copper Resources of the World, V.2 XVI International Geological Congress, Washington D.C., p 663-680.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID	223	Cont	AS	NameDeposit	Weining
OtherNames					
Includes					
Country Code	CINA	China			
Lat.Deg	26	Long.Deg	104	Dec.Lat	26.85
Lat.Min	51	Long.Min	12	Dec.Long	104.2
Lat.Sec		Long.Sec			
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Redbed Cu				
Age	Cretaceous		Ma	100	Unit
HostRocks	Shale				
HangingwallBeds					
FootwallRocks					
Mineralogy	Chalcocite, malachite				
TraceMinerals					
Comments					

Reference Chu, H.J.,1935, The copper deposits of China *in* Copper Resources of the World, V.2 XVI International Geological Congress, Washington D.C., p 663-680.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 224 Cont AS NameDeposit Tang tang
 OtherNames
 Includes
 Country Code CINA China
 Lat.Deg 26 Long.Deg 104 Dec.Lat 26.4833333 StateProvince Yunnan
 Lat.Min 29 Long.Min 12 Dec.Long 104.2
 Lat.Sec Long.Sec
 OreMmt CuGrade% CoGrade% AgGradeppm
 CuMmt
 Subtype Redbed Cu

Age Triassic Ma 220 Unit

HostRocks Red sandstone

HangingwallBeds

FootwallRocks Basalt

Mineralogy

TraceMinerals

Comments Grade 4% Cu

Reference Chu, H.J.,1935, The copper deposits of China *in* Copper Resources of the World, V.2
 XVI International Geological Congress, Washington D.C., p 663-680.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global
 distribution of sediment-hosted stratiform copper deposits and occurrences:
 Geological Survey of Canada Open File 2915b, 256 p.

DepositID 225 Cont AS NameDeposit CheJiang

OtherNames

Includes

Country Code CINA China

Lat.Deg 26 Long.Deg 112 Dec.Lat 26.7833333 StateProvince Hunan

Lat.Min 47 Long.Min 34 Dec.Long 112.566667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Cretaceous Ma 75 Unit

HostRocks Purple and gray sandstone

HangingwallBeds Halite-bearing mudstone

FootwallRocks Mudstone

Mineralogy

TraceMinerals

Comments

Reference Chen, W., 1988, Mesozoic and Cenozoic sandstone-hosted copper deposits in South China: Mineralium Deposita, v. 23, p. 262-267.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 226 Cont AS NameDeposit HuiLi

OtherNames Luchang

Includes

Country Code CINA China

Lat.Deg 26 Long.Deg 102 Dec.Lat 26.6833333 StateProvince Sichuan

Lat.Min 41 Long.Min 15 Dec.Long 102.25

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Mid Proterozoic Ma 1500 Unit

HostRocks Gray-green shale, sandstone

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, bornite, pyrite

TraceMinerals

Comments

Reference Hua, Renmin, 1991, A study on the Kunyang Aulocogen: ActaGeologica Sinica, v. 4, p.131-144.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geoloigcal Survey of Canada Open File 2915b, 256 p.

Laznika, P., 1981, Data on the worldwide distribution of stratiform and stratabound ore deposits, Chapter 2 *in* Wolf, K.H., ed, Handbook of Stratiform and Stratabound Ore Deposits, Part III, p. 79-389.

DepositID 227 **Cont** AS **NameDeposit** YinMin
OtherNames Dongchuan (Tungchuan) District
Includes MienShan
Country Code CINA China
Lat.Deg 26 **Long.Deg** 102 **Dec.Lat** 26.3222222 **StateProvince** Yunnan
Lat.Min 19 **Long.Min** 20 **Dec.Long** 102.333333
Lat.Sec 20 **Long.Sec**
OreMmt 40 **CuGrade%** 1 **CoGrade%** **AgGradeppm**
CuMmt .4
Subtype Reduced facies Cu
Age Mid Proterozoic **Ma** 1500 **Unit** Kun Yang Grp. LaoXue Fm.
HostRocks Stromatolitic dolomite, argillic-arenaceous dolomite
HangingwallBeds Dolomite
FootwallRocks Purple shale, purple sedimentary breccia
Mineralogy Chalcocite, bornite, chalcopyrite, digenite, quartz, calcite, hematite
TraceMinerals Covellite, enargite
Comments Quartz veins in dolomite have high salinity fluid inclusions. Zoning is reversed; chalcopyrite and pyrite next to purple shale, bornite then chalcocite higher up
Reference Hua, Renmin, 1990, The sedimentation-reworking genesis of Dogchuan-type stratiform copper deposits: Chinese Journal of Geochemistry, v. 9, p.231-243.
Ran, Chongying, 1983, On genetic model of Donchuan type stata-bound copper deposit: Scientia Sinica (Series B), v. 26, p. 983-995.
Ruan, Huichu, Hua, Renmin, and Cox, D.P., 1991, Copper deposition by fluid mixing in deformed strata adjacent to a salt diapir, Dongchuan area, Yunnan Province, China: Economic Geology, v. 86, p. 1539-1545.
Warren, John, 1997, Evaporites, their evolution and economics: Blackwell Science, Oxford, p. 312.

DepositID 228 **Cont** AS **NameDeposit** LaoXue

OtherNames Dongchuan (Tungchuan) District

Includes

Country Code CINA China

Lat.Deg 26 **Long.Deg** 102 **Dec.Lat** 26.2916667 **StateProvince** Yunnan

Lat.Min 17 **Long.Min** 20 **Dec.Long** 102.333333

Lat.Sec 30 **Long.Sec**

OreMmt 50 **CuGrade%** 1 **CoGrade%** **AgGradeppm**

CuMmt .5

Subtype Reduced facies Cu

Age Mid Proterozoic **Ma** 1500 **Unit** Kun Yang Grp. LaoXue Fm.

HostRocks Stromatolitic dolomite, argillic-arenaceous dolomite

HangingwallBeds Dolomite

FootwallRocks Purple shale, purple sedimentary breccia

Mineralogy Chalcocite, bornite, chalcopyrite, digenite, quartz, calcite, hematite

TraceMinerals Covellite, enargite

Comments Quartz-siderite veins in dolomite have high salinity fluid inclusions. Zoning reversed; chalcopyrite and pyrite next to purple shale, bornite then chalcocite higher up.

Reference Hua, Renmin, 1990, The sedimentation-reworking genesis of Dogchuan-type stratiform copper deposits: Chinese Journal of Geochemistry, v. 9, p.231-243.

Ran, Chongying, 1983, On genetic model of Donchuan type stata-bound copper deposit: Scientia Sinica (Series B), v. 26, p. 983-995.

Ruan, Huichu, Hua, Renmin, and Cox, D.P., 1991, Copper deposition by fluid mixing in deformed strata adjacent to a salt diapir, Dongchuan area, Yunnan Province, China: Economic Geology, v. 86, p. 1539-1545.

Warren, John, 1997, Evaporites, their evolution and economics: Blackwell Science, Oxford, p. 312.

DepositID 229 **Cont** AS **NameDeposit** LaoBeiChung

OtherNames Dongchuan (Tungchuan) District

Includes LaoPude, TseKeShu

Country Code CINA China

Lat.Deg 26 **Long.Deg** 102 **Dec.Lat** 26.25 **StateProvince** Yunnan

Lat.Min 15 **Long.Min** 20 **Dec.Long** 102.333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Mid Proterozoic **Ma** 1500 **Unit** Kun Yang Grp. LaoXue Fm.

HostRocks Stromatolitic dolomite, argillic-arenaceous dolomite

HangingwallBeds Dolomite

FootwallRocks Purple shale, purple sedimentary breccia

Mineralogy Chalcocite, bornite, chalcopyrite, digenite, quartz, hematite

TraceMinerals Covellite, enargite

Comments Quartz veins in dolomite have high salinity fluid inclusions. Zoning is reversed; chalcopyrite and pyrite next to purple shale, bornite then chalcocite higher up

Reference Hua, Renmin, 1990, The sedimentation-reworking genesis of Dogchuan-type stratiform copper deposits: Chinese Journal of Geochemistry, v. 9, p.231-243.

Ran, Chongying, 1983, On genetic model of Donchuan type stata-bound copper deposit: Scientia Sinica (Series B), v. 26, p. 983-995.

Ruan, Huichu, Hua, Renmin, and Cox, D.P., 1991, Copper deposition by fluid mixing in deformed strata adjacent to a salt diapir, Dongchuan area, Yunnan Province, China: Economic Geology, v. 86, p. 1539-1545.

DepositID 230 **Cont** AS **NameDeposit** TianZhong

OtherNames Dianzhong

Includes

Country Code CINA China

Lat.Deg 26 **Long.Deg** 104 **Dec.Lat** 26.2666667 **StateProvince** Yunnan

Lat.Min 16 **Long.Min** 1 **Dec.Long** 104.016667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U. Cretaceous **Ma** 70 **Unit**

HostRocks Violet-gray mudstone, siltstone, sandstone, conglomerate

HangingwallBeds Halite-bearing mudstone

FootwallRocks Sandstone

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 231 **Cont** AS **NameDeposit** TangDan

OtherNames Dongchuan (Tungchuan) District

Includes MaZhuDong

Country Code CINA China

Lat.Deg 26 **Long.Deg** 102 **Dec.Lat** 26.25 **StateProvince** Yunnan

Lat.Min 15 **Long.Min** 40 **Dec.Long** 102.666667

Lat.Sec **Long.Sec**

OreMmt 100 **CuGrade%** 1 **CoGrade%** **AgGradeppm**

CuMmt 1

Subtype Reduced facies Cu

Age Mid Proterozoic **Ma** 1500 **Unit** Kun Yang Grp. LaoXue Fm.

HostRocks Stromatolitic dolomite, argillic-arenaceous dolomite

HangingwallBeds Dolomite

FootwallRocks Purple shale, purple sedimentary breccia

Mineralogy Chalcocite, bornite, chalcopyrite, digenite, quartz, hematite

TraceMinerals Covellite, enargite

Comments Quartz veins in dolomite have high salinity fluid inclusions. Zoning is reversed; chalcopyrite and pyrite next to purple shale, bornite then chalcocite higher up

Reference Hua, Renmin, 1990, The sedimentation-reworking genesis of Dongchuan-type stratiform copper deposits: Chinese Journal of Geochemistry, v. 9, p.231-243.

Ran, Chongying, 1983, On genetic model of Donchuan type stata-bound copper deposit: Scientia Sinica (Series B), v. 26, p. 983-995.

Ruan, Huichu, Hua, Renmin, and Cox, D.P., 1991, Copper deposition by fluid mixing in deformed strata adjacent to a salt diapir, Dongchuan area, Yunnan Province, China: Economic Geology, v. 86, p. 1539-1545.

DepositID 232 **Cont** AS **NameDeposit** TongGuTang

OtherNames CheJiang Area

Includes

Country Code CINA China

Lat.Deg 26 **Long.Deg** 112 **Dec.Lat** 26.25 **StateProvince** Hunan

Lat.Min 15 **Long.Min** 10 **Dec.Long** 112.166667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L. Paleocene **Ma** 64 **Unit**

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Chen, W., 1988, Mesozoic and Cenozoic sandstone-hosted copper deposits in South China: Mineralium Deposita, v. 23, p. 262-267.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 233 **Cont** AS **NameDeposit** JiuQuiWan

OtherNames JiuQuWan JinQuWan

Includes

Country Code CINA China

Lat.Deg 26 **Long.Deg** 113 **Dec.Lat** 26.25 **StateProvince** Hunan

Lat.Min 15 **Long.Min** 5 **Dec.Long** 113.083333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Cretaceous **Ma** 75 **Unit**

HostRocks Purple and gray sandstone

HangingwallBeds Sandstone

FootwallRocks sandstone

Mineralogy Chalcopyrite, bornite, native copper, cuprite

TraceMinerals

Comments

Reference Chen, W., 1988, Mesozoic and Cenozoic sandstone-hosted copper deposits in South China: Mineralium Deposita, v. 23, p. 262-267.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 234 **Cont** AS **NameDeposit** TuanShan

OtherNames

Includes

Country Code CINA China

Lat.Deg 26 **Long.Deg** 103 **Dec.Lat** 26 **StateProvince** Yunnan

Lat.Min 0 **Long.Min** 7 **Dec.Long** 103.116667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U. Cretaceous **Ma** 70 **Unit**

HostRocks Sandstone, black shale

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, bornite, pyrite

TraceMinerals

Comments

Reference Chen, W., 1988, Mesozoic and Cenozoic sandstone-hosted copper deposits in South China: Mineralium Deposita, v. 23, p. 262-267.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 235 **Cont** AS **NameDeposit** Dacun

OtherNames

Includes

Country Code CINA China

Lat.Deg 25 **Long.Deg** 103 **Dec.Lat** 25.75 **StateProvince** Yunnan

Lat.Min 45 **Long.Min** 0 **Dec.Long** 103

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U. Cretaceous **Ma** 70 **Unit**

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Chen, W., 1988, Mesozoic and Cenozoic sandstone-hosted copper deposits in South China: Mineralium Deposita, v. 23, p. 262-267.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 236 Cont AS NameDeposit Niutoushan

OtherNames KuQa

Includes

Country Code CINA China

Lat.Deg 25 Long.Deg 111 Dec.Lat 25.75 StateProvince Xinjiang

Lat.Min 45 Long.Min 30 Dec.Long 111.5

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Tertiary Ma 60 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 237 **Cont** AS **NameDeposit** LiuZu

OtherNames

Includes

Country Code CINA China

Lat.Deg 25 **Long.Deg** 103 **Dec.Lat** 25.4166667 **StateProvince** Yunnan

Lat.Min 25 **Long.Min** 15 **Dec.Long** 103.25

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U. Cretaceous **Ma** 70 **Unit**

HostRocks Gray sandstone, purple sandstone, mudstone

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, pyrite, chalcopyrite, bornite, hematite

TraceMinerals

Comments

Reference Chen, W., 1988, Mesozoic and Cenozoic sandstone-hosted copper deposits in South China: Mineralium Deposita, v. 23, p. 262-267.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 238 **Cont** AS **NameDeposit** KuangTung

OtherNames

Includes

Country Code CINA China

Lat.Deg 25 **Long.Deg** 102 **Dec.Lat** 25.0666667 **StateProvince** Yunnan

Lat.Min 4 **Long.Min** 41 **Dec.Long** 102.683333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Cretaceous **Ma** 100 **Unit**

HostRocks Shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 239 Cont AS NameDeposit TongChangQing

OtherNames

Includes

Country Code CINA China

Lat.Deg 24 Long.Deg 103 Dec.Lat 24.3333333 StateProvince Yunnan

Lat.Min 20 Long.Min 33 Dec.Long 103.55

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age U. Cretaceous Ma 70 Unit

HostRocks Sandstone, phyllite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Chen, W., 1988, Mesozoic and Cenozoic sandstone-hosted copper deposits in South China: Mineralium Deposita, v. 23, p. 262-267.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 240 **Cont** AS **NameDeposit** ShiZhiShan

OtherNames Yimen District

Includes

Country Code CINA China

Lat.Deg 24 **Long.Deg** 102 **Dec.Lat** 24.1833333 **StateProvince** Yunnan

Lat.Min 11 **Long.Min** 10 **Dec.Long** 102.166667

Lat.Sec **Long.Sec**

OreMmt 15 **CuGrade%** 0.92 **CoGrade%** **AgGradeppm**

CuMmt .138

Subtype Reduced facies Cu

Age Mid Proterozoic **Ma** 1500 **Unit** Kun Yang Grp.

HostRocks Dolomite

HangingwallBeds Black shale

FootwallRocks Purple micaceous dolomite

Mineralogy Chalcopyrite, pyrite, graphite

TraceMinerals Bornite

Comments

Reference Cox, D.P., unpublished data.

DepositID 241 Cont AS NameDeposit FengShan
OtherNames Yimen District
Includes
Country Code CINA China
Lat.Deg 24 Long.Deg 102 Dec.Lat 24.15 StateProvince Yunnan
Lat.Min 9 Long.Min 10 Dec.Long 102.166667
Lat.Sec Long.Sec
OreMmt 29 CuGrade% 1.2 CoGrade% AgGradeppm
CuMmt .348
Subtype Reduced facies Cu
Age Mid Proterozoic Ma 1500 Unit Kun Yang Grp.
HostRocks Dolomite
HangingwallBeds Black shale
FootwallRocks Purple micaceous dolomite
Mineralogy Chalcopyrite, pyrite, graphite
TraceMinerals Bornite
Comments
Reference Cox, D.P., unpublished data.

DepositID 242 Cont AS NameDeposit ShiShan
OtherNames Yimen District
Includes
Country Code CINA China
Lat.Deg 24 Long.Deg 102 Dec.Lat 24.1166667 StateProvince Yunnan
Lat.Min 7 Long.Min 10 Dec.Long 102.166667
Lat.Sec Long.Sec
OreMmt 52 CuGrade% 1.09 CoGrade% AgGradeppm
CuMmt .5668
Subtype Reduced facies Cu
Age Mid Proterozoic Ma 1500 Unit Kun Yang Grp.
HostRocks Dolomite
HangingwallBeds Black shale
FootwallRocks Purple micaceous dolomite
Mineralogy Chalcopyrite, pyrite, graphite
TraceMinerals Bornite
Comments
Reference Cox, D.P., unpublished data.

DepositID 243 Cont AS NameDeposit Dahu

OtherNames

Includes

Country Code CINA China

Lat.Deg 24 Long.Deg 114 Dec.Lat 24 StateProvince Guangdong

Lat.Min 00 Long.Min 00 Dec.Long 114

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age U. Cretaceous Ma 65 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Chen, W., 1988, Mesozoic and Cenozoic sandstone-hosted copper deposits in South China: Mineralium Deposita, v. 23, p. 262-267.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 244 **Cont** AS **NameDeposit** HaoJiaHe

OtherNames

Includes

Country Code CINA China

Lat.Deg 23 **Long.Deg** 103 **Dec.Lat** 23.75 **StateProvince** Yunnan

Lat.Min 45 **Long.Min** 35 **Dec.Long** 103.583333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U. Cretaceous **Ma** 70 **Unit**

HostRocks Purple sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Chen, W., 1988, Mesozoic and Cenozoic sandstone-hosted copper deposits in South China: Mineralium Deposita, v. 23, p. 262-267.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 245 Cont AS NameDeposit GeYiZha
OtherNames
Includes
Country Code CINA China
Lat.Deg 23 Long.Deg 104 Dec.Lat 23.5833333 StateProvince Yunnan
Lat.Min 35 Long.Min 5 Dec.Long 104.083333
Lat.Sec Long.Sec
OreMmt CuGrade% CoGrade% AgGradeppm
CuMmt
Subtype Redbed Cu
Age U. Cretaceous Ma 70 Unit
HostRocks Sandstone
HangingwallBeds
FootwallRocks
Mineralogy
TraceMinerals
Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 246 **Cont** AS **NameDeposit** LaoQingShan

OtherNames

Includes

Country Code CINA China

Lat.Deg 23 **Long.Deg** 103 **Dec.Lat** 23.5 **StateProvince** Yunnan

Lat.Min 30 **Long.Min** 55 **Dec.Long** 103.916667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U. Cretaceous **Ma** 70 **Unit**

HostRocks Bluish gray sandstone, dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Chen, W., 1988, Mesozoic and Cenozoic sandstone-hosted copper deposits in South China: Mineralium Deposita, v. 23, p. 262-267.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID	247	Cont	AS	NameDeposit	Netanar
OtherNames					
Includes					
Country Code	INDA	India		StateProvince Madya Pradesh	
Lat.Deg	18	Long.Deg	82	Dec.Lat	18.8666667
Lat.Min	52	Long.Min	3	Dec.Long	82.05
Lat.Sec		Long.Sec			
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Uncl.				
Age	U. Proterozoic		Ma	700	Unit
HostRocks	Shale				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					

Reference Sen, S., 1975, Metallogeny and geochemistry of copper in a sedimentary formation of the Indravati Group, Bastar District, Madhya Pradesh: Indian Minerals v, 29,no. 1, p. 27-32.

DepositID 248 Cont AS NameDeposit Nan

OtherNames

Includes

Country Code THLD Thailand

Lat.Deg 18 Long.Deg 100 Dec.Lat 18.75 StateProvince

Lat.Min 45 Long.Min 50 Dec.Long 100.833333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Jurassic Ma 150 Unit Khorat Grp..

HostRocks Sandstone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Tantisukrit, C., 1978, Review of the metallic mineral resources of Thailand: Third Regional Conference on Geology and Mineral Resources of Souteast Asia, Bankok Thailand, 14-18 Nov., 1978, 541 p.

DepositID 249 **Cont** AS **NameDeposit** Lampang

OtherNames

Includes

Country Code THLD Thailand

Lat.Deg 18 **Long.Deg** 99 **Dec.Lat** 18.5666667 **StateProvince**

Lat.Min 34 **Long.Min** 55 **Dec.Long** 99.9166667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Triassic **Ma** 220 **Unit** Lampang Grp..

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Tantisukrit, C., 1978, Review of the metallic mineral resources of Thailand: Third Regional Conference on Geology and Mineral Resources of Souteast Asia, Bankok Thailand, 14-18 Nov., 1978, 541 p.

Asnachinda, P. and Chantaramee, S., 1986, Regional controls of hydrothermal ore localization in Northern Thailand: GEOSEA V Proceedings, V. 1, Geological Society of Malaysia, Bulletin 19 p. 421-429.

DepositID 250 Cont AS NameDeposit Nam Phat
OtherNames
Includes Fak Tha
Country Code THLD Thailand
Lat.Deg 18 Long.Deg 100 Dec.Lat 18 StateProvince
Lat.Min 00 Long.Min 48 Dec.Long 100.8
Lat.Sec Long.Sec
OreMmt CuGrade% CoGrade% AgGradeppm
CuMmt
Subtype Uncl.
Age Jurassic Ma 150 Unit Khorat Grp., Sao Khua Fm.
HostRocks Sandstone
HangingwallBeds
FootwallRocks
Mineralogy
TraceMinerals
Comments
Reference Workman, D.R.,1972, Mineral resources of the Lower Mekong Basin and adjacent areas of the Khmer Republic, Laos, Thailand, and Viet Nam: United Nations, Mineral Resources Development Series No. 39

DepositID 251 **Cont** AS **NameDeposit** Phu Wiang

OtherNames Pratu Teema

Includes

Country Code THLD Thailand

Lat.Deg 16 **Long.Deg** 102 **Dec.Lat** 16.6666667 **StateProvince**

Lat.Min 40 **Long.Min** 15 **Dec.Long** 102.25

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U. Jurassic **Ma** 150 **Unit** Khorat Grp., Sao Khua Fm.

HostRocks Arkose, siltstone, mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains U. Cu, V, Mn, Pb

Reference Tantisukrit, C., 1978, Review of the metallic mineral resources of Thailand: Third Regional Conference on Geology and Mineral Resources of Souteast Asia, Bangkok Thailand, 14-18 Nov., 1978, 541 p.

Gocht, W. , 1981, Type and origin of uranium mineralization in the Khorat Plateau, Thailand: Economic Geology, v. 76, p 1232-1244.

DepositID 252 Cont AS NameDeposit Houei Phai

OtherNames

Includes

Country Code LAOS Laos

Lat.Deg 14 Long.Deg 105 Dec.Lat 14.466667 StateProvince

Lat.Min 28 Long.Min 41 Dec.Long 105.683333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Jurassic Ma 160 Unit

HostRocks Green sandstone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Fontain, H, and Workman, D.R., 1978, Review of the geology and mineral resources of Kampuchea, Laos, and Vietnam: Third Regional Conference on Geology and Mineral Resources of Southeast Asia, Bangkok, Thailand, 14-18 Nov., P. 541

DepositID 253 Cont AS NameDeposit Nong Khoum Thong
OtherNames
Includes
Country Code LAOS Laos
Lat.Deg 14 Long.Deg 105 Dec.Lat 14.3333333 StateProvince
Lat.Min 20 Long.Min 38 Dec.Long 105.633333
Lat.Sec Long.Sec
OreMmt CuGrade% CoGrade% AgGradeppm
CuMmt

Subtype Uncl.

Age Jurassic Ma 160 Unit

HostRocks Green and red sandstone, andesite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Fontain, H, and Workman, D.R., 1978, Review of the geology and mineral resources of Kampuchea, Laos, and Vietnam: Third Regional Conference on Geology and Mineral Resources of Southeast Asia, Bangkok, Thailand, 14-18 Nov., P. 541

DepositID 254 **Cont** AS **NameDeposit** Bagacay

OtherNames

Includes

Country Code PLPN Philippines

Lat.Deg 11 **Long.Deg** 125 **Dec.Lat** 11.8333333 **StateProvince** Samar I.

Lat.Min 50 **Long.Min** 15 **Dec.Long** 125.25

Lat.Sec **Long.Sec**

OreMmt 2.9 **CuGrade%** 3.5 **CoGrade%** **AgGradeppm**

CuMmt .1015

Subtype Redbed Cu

Age Pliocene **Ma** 7 **Unit**

HostRocks Sandstone, carbonaceous shale, coal

HangingwallBeds Limestone

FootwallRocks Andesite, diorite

Mineralogy Chalcopyrite, chalcocite, pyrite, marcasite

TraceMinerals

Comments Pliocene beds underlain by pyritic rocks containing massive sulfide occurrences

Reference Kinkle. A.R., Jr., Santos-Ynigo, L.M., Samaniego, S., Crispin, O., 1956, Copper deposits of the Philippines: Philippine Bureau of Mines Publication No. 16, 305 p.

McMahon, A.D., 1965, Copper, a materials survey: United States Bureau of Mines, Information Circular 8225, 340 p.

DepositID	255	Cont	AU	NameDeposit	Wave Hill
OtherNames					
Includes					
Country Code	AUNT	Australia			
Lat.Deg	-17	Long.Deg	131	Dec.Lat	-17.3333333
Lat.Min	-20	Long.Min	02	Dec.Long	131.033333
Lat.Sec		Long.Sec			
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Uncl.				
Age	U. Proterozoic	Ma	630	Unit	Watite Grp.
HostRocks	Chert, conglomerate				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 256 **Cont** AU **NameDeposit** Owen Springs

OtherNames Waterhouse Range

Includes

Country Code AUNT Australia

Lat.Deg -24 **Long.Deg** 133 **Dec.Lat** -24.05 **StateProvince** Northern Territory

Lat.Min -03 **Long.Min** 16 **Dec.Long** 133.266667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Cambrian **Ma** 550 **Unit** IllaraFm.

HostRocks Siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 257 Cont AU NameDeposit Boorloo

OtherNames

Includes

Country Code AUSA Australia

Lat.Deg -29 Long.Deg 137 Dec.Lat -29.6666667 StateProvince South Australia

Lat.Min -40 Long.Min 55 Dec.Long 137.916667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age U. Proterozoic Ma 630 Unit Umberatana Grp.

HostRocks Conglomerate, sandstone, siltstone

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, pyrite

TraceMinerals

Comments

Reference Rayner, R.A., and Rowlands, N.J., 1980. Stratiform copper in the Late Proterozoic Boorloo Formation, South Australia: Mineralium Deposita, v. 15, p. 139-149.

Kirkham, R.V., Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 258 **Cont** AU **NameDeposit** Warra Warra

OtherNames

Includes

Country Code AUSA Australia

Lat.Deg -29 **Long.Deg** 137 **Dec.Lat** -29.8833333 **StateProvince** South Ausralia

Lat.Min -53 **Long.Min** 49 **Dec.Long** 137.816667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age U.Proterozoic **Ma** 630 **Unit** Burra Grp.

HostRocks Shale, sandstone, dolomitic siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 259 Cont AU NameDeposit Yudnamutana

OtherNames

Includes

Country Code AUSA Australia

Lat.Deg -30 Long.Deg 139 Dec.Lat -30 StateProvince South Australia

Lat.Min 00 Long.Min 20 Dec.Long 139.333333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age U. Proterozoic Ma 630 Unit

HostRocks amphibolite, meta dolomite

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, pyrrhotite

TraceMinerals

Comments

Reference Rowlands, N.L., 1974, The Geology of some Adlaidean stratiform copper occurrences in Bartholomé, Paul, ed. Gisements Statiform et Provinces Cuprifère: Liège, Société Géologique de Belgique, p. 419-427.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 260 **Cont** AU **NameDeposit** Mount Coffin

OtherNames

Includes

Country Code AUSA Australia

Lat.Deg -30 **Long.Deg** 138 **Dec.Lat** -30.6 **StateProvince** South Ausralia

Lat.Min -36 **Long.Min** 30 **Dec.Long** 138.5

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U.Proterozoic **Ma** 630 **Unit** Umberatama Grp.

HostRocks Siltstone, breccia, dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 261 **Cont** AU **NameDeposit** Blinman

OtherNames

Includes

Country Code AUSA Australia

Lat.Deg -31 **Long.Deg** 138 **Dec.Lat** -31.1 **StateProvince** South Australia

Lat.Min -06 **Long.Min** 45 **Dec.Long** 138.75

Lat.Sec **Long.Sec**

OreMmt 4 **CuGrade%** 1.0 **CoGrade%** **AgGradeppm**

CuMmt .04

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 630 **Unit** U. Callanna Grp.

HostRocks Dolomite and shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments In large breccia dome 6 by 12 km. Appears to be a salt diapir. Ore is strata bound in a suspended raft of dolomite 15 by 200 m

Reference Solomon, M., Groves, D.I., and Jaques, A.L., 2000, The geology and origin of Australia's mineral deposits: Centre for Ore Deposit Research, University of Tasmania, 1002 p.

DepositID 262 **Cont** AU **NameDeposit** Mount Gunson
OtherNames
Includes
Country Code AUSA Australia
Lat.Deg -31 **Long.Deg** 137 **Dec.Lat** -31.45 **StateProvince** South Australia
Lat.Min -27 **Long.Min** 15 **Dec.Long** 137.25
Lat.Sec **Long.Sec**
OreMmt 5.5 **CuGrade%** 2.1 **CoGrade%** **AgGradeppm** 7.7
CuMmt .1155
Subtype Reduced facies Cu
Age U. Proterozoic **Ma** 630 **Unit** Tapley Hill Fm., Whyalla Ss.
HostRocks Mudstone, sandstone, breccia
HangingwallBeds
FootwallRocks Red sandstone
Mineralogy Chalcocite, bornite
TraceMinerals Chalcopyrite, digenite, djurleite, pyrite
Comments Anomalous Pb, Zn, Co, As, Ni, Th. In Umberatana group between Sturtian and Marinoan tillites
Reference Maiden, K.J., Innes, A.H., King, M.J., Master, S., and Pettitt, I., 1984, Regional controls on the localization of stratabound copper deposits: Proterozoic examples from southern Africa and South Australia: Precambrian Research, V. 25, p. 99-118.
Knutson, Janice, Donnelly, T.H., and Tonkin, D.G., 1983, Geochemical constraints on the genesis of copper mineralization in the Mount Gunson area, South Australia: Economic Geology v. 78, p. 250-274
Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 263 Cont AU NameDeposit Yadlamalka

OtherNames

Includes

Country Code AUSA Australia

Lat.Deg -31 Long.Deg 137 Dec.Lat -31.75 StateProvince South Australia

Lat.Min -45 Long.Min 18 Dec.Long 137.3

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age U. Proterozoic Ma 630 Unit

HostRocks Arkose

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, pyrite, chalcocite

TraceMinerals

Comments

Reference Rowlands, N.L., 1974, The Geology of some Adlaidean stratiform copper occurrences in Bartholomé, Paul, ed. Gisements Statiform et Provinces Cuprifère: Liège, Société Géologique de Belgique, p. 419-427.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 264 **Cont** **NameDeposit** Cattle Grid
OtherNames
Includes MG14
Country Code AUSA Australia
Lat.Deg -31 **Long.Deg** 137 **Dec.Lat** -31.4388889 **StateProvince** South Australia
Lat.Min -26 **Long.Min** 8 **Dec.Long** 137.133333
Lat.Sec -20 **Long.Sec**
OreMmt 7.5 **CuGrade%** 1.7 **CoGrade%** **AgGradeppm** 8.3
CuMmt .1275
Subtype Reduced facies Cu
Age **Ma** **Unit** Pandura Fm., Whyalla Ss.
HostRocks sandstone
HangingwallBeds sandstone
FootwallRocks
Mineralogy Chalcocite, bornite, chalcopyrite
TraceMinerals sphalerite, galena, wittichenite, carrolite,
Comments 2.5 km west of Mount Gunson. M14 (1.5 Mt) is hosted by black shale of Tapley Hill Fm.
Reference Tomkin, G.D. and Creelman, R.A. 1990, Mount Gunson copper deposits in Hughes, F. E., ed., Geology and Mineral Deposits of Australia and Papua New Guinea: The Australian Institute of Mining and Metallurgy, pp. 1037-1043.

DepositID 265 Cont AU NameDeposit Dutchmans

OtherNames

Includes

Country Code AUSA Australia

Lat.Deg -31 Long.Deg 137 Dec.Lat -31.75 StateProvince South Australia

Lat.Min -45 Long.Min 45 Dec.Long 137.75

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age U. Proterozoic Ma 630 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks Dolomite

Mineralogy Chalcopyrite, pyrite, chalcocite

TraceMinerals

Comments

Reference Rowlands, N.L., 1974, The Geology of some Adlaidean stratiform copper occurrences in Bartholomé, Paul, ed. Gisements Statiform et Provinces Cuprifère: Liège, Société Géologique de Belgique, p. 419-427.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 266 Cont AU NameDeposit Myall Creek

OtherNames

Includes

Country Code AUSA Australia

Lat.Deg -32 Long.Deg 137 Dec.Lat -32.25 StateProvince South Australia

Lat.Min -15 Long.Min 36 Dec.Long 137.6

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age U. Proterozoic Ma 630 Unit Taply Hill Fm.

HostRocks Carbonaceous dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 267 Cont AU NameDeposit Red Hill

OtherNames

Includes

Country Code AUSA Australia

Lat.Deg -32 Long.Deg 138 Dec.Lat -32.3333333 StateProvince South Ausralia

Lat.Min -20 Long.Min 45 Dec.Long 138.75

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age U.Proterozoic Ma 630 Unit

HostRocks Siltstone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 268 Cont AU NameDeposit Kanyaka

OtherNames

Includes

Country Code AUSA Australia

Lat.Deg -32 Long.Deg 138 Dec.Lat -32.4166667 StateProvince South Australia

Lat.Min -25 Long.Min 18 Dec.Long 138.3

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age U.Proterozoic Ma 630 Unit

HostRocks Siltstone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 269 Cont AU NameDeposit Prince Alfred

OtherNames

Includes

Country Code AUSA Australia

Lat.Deg -32 Long.Deg 138 Dec.Lat -32.4166667 StateProvince South Australia

Lat.Min -25 Long.Min 34 Dec.Long 138.566667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age U.Proterozoic Ma 630 Unit

HostRocks Siltstone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 270 **Cont** AU **NameDeposit** Burra

OtherNames Burra Burra

Includes

Country Code AUSA Australia

Lat.Deg -33 **Long.Deg** 138 **Dec.Lat** -33.6666667 **StateProvince** South Australia

Lat.Min -40 **Long.Min** 50 **Dec.Long** 138.833333

Lat.Sec **Long.Sec**

OreMmt 3.55 **CuGrade%** 3.0 **CoGrade%** **AgGradeppm**

CuMmt .1065

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 630 **Unit** Skillogalee Dolomite

HostRocks Limestone, marble breccia, dolomite

HangingwallBeds Shale, tillite

FootwallRocks Sandstone, red beds

Mineralogy Malachite, azurite, bornite, chalcopyrite, pyrite

TraceMinerals

Comments Bornite in marble breccia. Chalcopyrite is stratabound in limestone. High-grade secondary ore in sinkholes.

Reference Solomon, M., Groves, D.I., and Jaques, A.L., 2000, The geology and origin of Australia's mineral deposits: Centre for Ore Deposit Research, University of Tasmania, 1002 p.

Johnson, W., 1963, A reinterpretation of the BurraBurra copper deposit: The Australasian Institute of Mining and Metallurgy Proceedings No. 206 pp. 63-91.

DepositID 271 **Cont** AU **NameDeposit** Copper Claim

OtherNames

Includes

Country Code AUSA Australia

Lat.Deg -34 **Long.Deg** 138 **Dec.Lat** -34 **StateProvince** South Australia

Lat.Min 00 **Long.Min** 15 **Dec.Long** 138.25

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age U. Proterozoic **Ma** 630 **Unit** U. Callanna Grp.

HostRocks Carbonaceous dolomite, siltstone, arkose, chert

HangingwallBeds siltstone, tuffaceous siltstone

FootwallRocks

Mineralogy Pyrite, chalcopyrite. Dolomite, magnesite, sericite, chlorite

TraceMinerals Bornite, native copper, marcasite, pyrrhotite, mackinawite

Comments

Reference Solomon, M., Groves, D.I., and Jaques, A.L., 2000, The geology and origin of Australia's mineral deposits: Centre for Ore Deposit Research, University of Tasmania, 1002 p.

Lambert, I.B., Donnelly, T.H., Etminan, H. , and Rowlands, N.J., 1984, Genesis of Late Proterozoic copper mineralization, Copper Claim, South Australia: Economic Geology, V. 79, pp. 461-475.

DepositID 272 **Cont** AU **NameDeposit** Kapunda

OtherNames

Includes

Country Code AUSA Australia

Lat.Deg -34 **Long.Deg** 138 **Dec.Lat** -34.45 **StateProvince** South Australia

Lat.Min -27 **Long.Min** 41 **Dec.Long** 138.683333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Upper Proterozoic **Ma** 650 **Unit** Tapley Hill fm

HostRocks Carbonaceous, dolomitic siltstone

HangingwallBeds siltstone, tillite

FootwallRocks

Mineralogy Chalcopyrite, pyrite, pyrrhotite

TraceMinerals Chalcocite, bornite, galena, sphalerite

Comments

Reference Lambert, I.B., Donnelly, T.H., and Rowlands, N.J., 1980, Genesis of Upper Proterozoic stratabound copper mineralization, Kapunda, South Australia: Mineralium Deposita, v. 15, pp. 1-18.

DepositID 273 Cont AU NameDeposit Kanmantoo

OtherNames

Includes

Country Code AUSA Australia

Lat.Deg -35 Long.Deg 139 Dec.Lat -35.1 StateProvince South Australia

Lat.Min -06 Long.Min 00 Dec.Long 139

Lat.Sec Long.Sec

OreMmt 12 CuGrade% 1 CoGrade% AgGradeppm

CuMmt .12

Subtype Uncl.

Age Cambrian Ma 530 Unit Brukunga Fm.

HostRocks Garnet andalusite schist, quartz-feldspar schist, quartz-mica schist

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite pyrrhotite, magnetite

TraceMinerals Pentlandite, cobaltite, bismuth, bismuthinite, cubanite, galena pyrite, gold, silver

Comments Metamorphosed in Cambrian-Ordovician orogeny

Reference Verwoerd, P.J., and Cleghorn, J.H., 1975, Kanmantoo copper orebody *in* Knight, Cl., ed., Economic Geology of Australia and Papua New Guinea, v. 1, Metals: Australian Institute of Mining and Metallurgy, Melbourne, p. 560-567.

Lambert, I.B., Knutsen, J., Donnelly, T.H., and Etminan, H., 1986, The diverse styles of sediment-hosted copper deposits in Australia *in* Friedrich, G.H., Genkin, A.D., Naldrett, A.J., Ridge, J.D., Sillitoe, R.H., and Vokes, F.M. Geology and Metallogeny of Copper Deposits, Proceedings 27th International Geological Congress, Moscow, 1984: Berlin, Springer-Verlag, p.

DepositID	274	Cont	AU	NameDeposit	Gippsland
OtherNames					
Includes					
Country Code	AUVT	Australia			
Lat.Deg	-37	Long.Deg	147	Dec.Lat	-37.75
Lat.Min	-45	Long.Min	30	Dec.Long	147.5
Lat.Sec		Long.Sec			
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Redbed Cu				
Age	Devonian-Carboniferous		Ma	345	Unit
HostRocks					
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 275 Cont EU NameDeposit Repparfjord

OtherNames

Includes

Country Code NRWY Norway

Lat.Deg 70 Long.Deg 24 Dec.Lat 70.4333333 StateProvince

Lat.Min 26 Long.Min 13 Dec.Long 24.2166667

Lat.Sec Long.Sec

OreMmt 3.06 CuGrade% 0.663 CoGrade% AgGradeppm 70

CuMmt .0202878

Subtype Redbed Cu

Age U. Proterozoic Ma 1000 Unit

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bjorlykke, A., Olerud, S., and Sandstad, J.S., 1985, Metallogeny of Finnmark, North Norway: Norges Geologiske Undersokelse, Bulletin 403, p.183-196.

Kirkham, R.V., Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 276 Cont EU NameDeposit Aitik

OtherNames

Includes

Country Code SWDN Sweden

Lat.Deg 67 Long.Deg 21 Dec.Lat 67.1166667 StateProvince

Lat.Min 07 Long.Min 00 Dec.Long 21

Lat.Sec Long.Sec

OreMmt 1066 CuGrade%0.4 CoGrade% AgGradeppm 0.3

CuMmt 4.264

Subtype Uncl.

Age Proterozoic Ma 1500 Unit

HostRocks Biotite schist, amphibolite

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, pyrite, magnetite, pyrrhoyite. Barite, calcite, fluorite, scapolite

TraceMinerals

Comments Contains 0.3 g/mt Au. Aitik may be a Fe oxide Cu-Au deposit.

Reference Frietsch, R., 1984, The ore deposits of Sweden *in* Unesco, Explanatory Memoir of the Metallogenic map of Europe and Neighboring Countries, p. 25-38.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 277 **Cont** EU **NameDeposit** Stora Strand

OtherNames

Includes

Country Code SWDN Sweden

Lat.Deg 58 **Long.Deg** 12 **Dec.Lat** 58.9833333 **StateProvince**

Lat.Min 59 **Long.Min** 30 **Dec.Long** 12.5

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Proterozoic **Ma** 1200 **Unit** Dalsland Grp.

HostRocks Mica-chlorite schist, amphibolite

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, bornite, galena sphalerite. Albite, chlorite, fluorite

TraceMinerals

Comments Contains 1 % Cu.

Reference Frietsch, R., 1984, The ore deposits of Sweden *in* Unesco, Explanatory Memoir of the Metallogenic map of Europe and Neighboring Countries, p. 25-38.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 278 **Cont** EU **NameDeposit** Burray Island

OtherNames

Includes

Country Code UKSC Scotland

Lat.Deg 58 **Long.Deg** -02 **Dec.Lat** 58.85 **StateProvince** Orkney Islands

Lat.Min 51 **Long.Min** -56 **Dec.Long** -2.93333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age U. Devonian **Ma** 370 **Unit** Old Red Ss.

HostRocks Sandstone, algal dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains Cu-Pb

Reference Muir, R.O., and Ridgway, J.M., 1975 Sulfide mineralisation of the continental Devonian sediments of Orkney (Scotland): Mineralium Deposita v. 10, p. 205-215.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 279 Cont EU NameDeposit Visingso

OtherNames

Includes

Country Code SWDN Sweden

Lat.Deg 58 Long.Deg 14 Dec.Lat 58.3833333 StateProvince

Lat.Min 23 Long.Min 30 Dec.Long 14.5

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Cambrian Ma 550 Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Pyrite, chalcocite, chalcopyrite

TraceMinerals

Comments

Reference Frietsch, R., 1984, The ore deposits of Sweden *in* Unesco, Explanatory Memoir of the Metallogenic map of Europe and Neighboring Countries, p. 25-38.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 280 **Cont** EU **NameDeposit** Firth of Forth

OtherNames

Includes

Country Code UKSC Scotland

Lat.Deg 56 **Long.Deg** -03 **Dec.Lat** 56.0633333 **StateProvince**

Lat.Min 03 **Long.Min** -13 **Dec.Long** -3.225

Lat.Sec 48 **Long.Sec** -30

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L. Carboniferous **Ma** 340 **Unit** Oil Shale Grp., Birdiehouse Lms.

HostRocks Algal limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Parnell, J., 1983, Stromatolite-hosted mineralisation in the Oil Shale Group, Scotland: Transactions of the Institution of Mining and Metallurgy (Section B) v. 92

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 281 Cont EU NameDeposit Drumshantie

OtherNames Gourock

Includes

Country Code UKSC Scotland

Lat.Deg 55 Long.Deg -04 Dec.Lat 55.9333333 StateProvince

Lat.Min 56 Long.Min -47 Dec.Long -4.78333333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Carboniferous Ma 340 Unit Clyde Ss.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Malachite, bornite

TraceMinerals

Comments Contains plant remains

Reference Dewey, H., 1925, Copper ores of Midlands, Wales, The Lake District and the Isle of Man: Special Report on the Mineral Resources of Great Britain, v. 30

Allen, P.M., 1980, Copper mineralization in Great Britain, *in*, European Copper Deposits: Society for Geology Applied to Mineral Deposits, Belgrade, Special Publication No. 1, P. 266-276

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 282 **Cont** EU **NameDeposit** Larkfield

OtherNames Gourock

Includes

Country Code UKSC Scotland

Lat.Deg 55 **Long.Deg** -04 **Dec.Lat** 55.8833333 **StateProvince**

Lat.Min 53 **Long.Min** -42 **Dec.Long** -4.7

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L. Carboniferous **Ma** 340 **Unit** Clyde Ss.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Malachite

TraceMinerals

Comments

Reference Stephenson, D., 1983, Baryte and copper mineralization in the Renfrewshire Hills, Central Scotland: Mineral Reconnaissance Programme, Institute of Geological Sciences, Report no. 67, 15 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 283 **Cont** EU **NameDeposit** Well 41/25A-1

OtherNames

Includes

Country Code UKEN England

Lat.Deg 54 **Long.Deg** 05 **Dec.Lat** 54.25 **StateProvince** North Sea

Lat.Min 15 **Long.Min** 30 **Dec.Long** 5.5

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Permian **Ma** 260 **Unit** Marl Slate (Kupferschiefer)

HostRocks Mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Sample 51 from 5654 feet contains 750 ppm Cu, 340 Pb, 116 Zn, 1,650 V, 230 Co

Reference Haslam, H.W., 1982, The Marl Slate (Kupferschiefer) in the Southern North Sea Basin
in Miscellaneous Investigations on Mineralisation in Sedimentary Rocks: Institute of
geological Science, Mineral Reconnaissance Programme Report No. 52, 19 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global
distribution of sediment-hosted stratiform copper deposits and occurrences:
Geological Survey of Canada Open File 2915b, 256 p

DepositID 284 Cont EU NameDeposit Helgoland

OtherNames

Includes

Country Code GRMY Germany

Lat.Deg 54 Long.Deg 07 Dec.Lat 54.15 StateProvince

Lat.Min 09 Long.Min 52 Dec.Long 7.8666667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Triassic Ma 220 Unit Middle Bunter

HostRocks Red sandstone

HangingwallBeds

FootwallRocks

Mineralogy malachite cuprite, native copper

TraceMinerals

Comments

Reference

Walther, H.W., 1986, Federal Republic of Germany in Dunning, F.W., and Evans, A.M., eds., Mineral deposits of Europe, v. 3, Central Europe: Institution of Mining and Metallurgy, The Mineralogical Society, p. 175-293.

DepositID 285 Cont EU NameDeposit Well 48/12-2

OtherNames

Includes

Country Code UKEN England

Lat.Deg 53 Long.Deg 01 Dec.Lat 53.5166667 StateProvince North Sea

Lat.Min 31 Long.Min 17 Dec.Long 1.28333333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Permian Ma 260 Unit Marl Slate (Kupferschiefer)

HostRocks Mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments One foot thick bed contains 7000 ppm Cu, base of Kupferschiefer

Reference Haslam, H.W., 1982, The Marl Slate (Kupferschiefer) in the Southern North Sea Basin
in Miscellaneous Investigations on Mineralisation in Sedimentary Rocks: Institute of
geological Science, Mineral Reconnaissance Programme Report No. 52, 19 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global
distribution of sediment-hosted stratiform copper deposits and occurrences:
Geological Survey of Canada Open File 2915b, 256 p

DepositID 286 **Cont** EU **NameDeposit** Well 49/20-1

OtherNames

Includes

Country Code UKEN England

Lat.Deg 53 **Long.Deg** 02 **Dec.Lat** 53.4 **StateProvince** North Sea

Lat.Min 24 **Long.Min** 54 **Dec.Long** 2.9

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Permian **Ma** 260 **Unit** Marl Slate (Kupferschiefer)

HostRocks Mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Three inch thick bed contains 3000 ppm Cu, 1500 ppm V, 7908 feet deep

Reference Haslam, H.W., 1982, The Marl Slate (Kupferschiefer) in the Southern North Sea Basin
in Miscellaneous Investigations on Mineralisation in Sedimentary Rocks: Institute of
geological Science, Mineral Reconnaissance Programme Report No. 52, 19 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global
distribution of sediment-hosted stratiform copper deposits and occurrences:
Geological Survey of Canada Open File 2915b, 256 p

DepositID	287	Cont	EU	NameDeposit	Alderly Edge
OtherNames					
Includes					
Country Code	UKEN	England		StateProvince	Cheshire
Lat.Deg	53	Long.Deg	-02	Dec.Lat	53.3
Lat.Min	18	Long.Min	-15	Dec.Long	-2.25
Lat.Sec		Long.Sec			
OreMmt	0.15	CuGrade%	2.1	CoGrade%	
		CuMmt	.00315	AgGradeppm	
Subtype	Reduced facies Cu				
Age	Triassic	Ma	220	Unit	Helsby Ss.
HostRocks					
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					

Reference Ixer, R.A., 1982, The primary mineralogy of the Alderly Edge deposit, Cheshire: Mineralogical Magazine, v. 46, P.485-492.

Bateson, J.H., 1982, Geochemical reconnaissance in the Cheshire Basin in Misc. Investigations on Mineralization in Sedimentary Rocks:Mineral Reconnaissance Programme, Institute of Geological Sciences, Report no. 52.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 288 Cont EU NameDeposit Mottram -St.Andews

OtherNames

Includes

Country Code UKEN England

Lat.Deg 53 Long.Deg -02 Dec.Lat 53.3 StateProvince Cheshire

Lat.Min 18 Long.Min -13 Dec.Long -2.21666667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Triassic Ma 220 Unit Keuper Fm.

HostRocks Gray sandstone

HangingwallBeds

FootwallRocks

Mineralogy Malachite, galena, pyromorphite, vanadinite, barite

TraceMinerals

Comments

Reference Bateson, J.H., 1982, Geochemical reconnaissance in the Cheshire Basin *in* Misc. Investigations on Mineralisation in Sedimentary Rocks: Mineral Reconnaissance Programme, Institute of Geological Sciences, Report no. 52.

Lindgren, W. Mineral Deposits, 4th Edition: McGraw Hill, 930 p.

DepositID 289 **Cont** EU **NameDeposit** Ballyvergin

OtherNames

Includes

Country Code UKIR Ireland

Lat.Deg 52 **Long.Deg** -08 **Dec.Lat** 52.8833333 **StateProvince**

Lat.Min 53 **Long.Min** -55 **Dec.Long** -8.91666667

Lat.Sec **Long.Sec**

OreMmt 0.136 **CuGrade%** 1 **CoGrade%** **AgGradeppm** 17.1

CuMmt .00136

Subtype Uncl.

Age L. Carboniferous **Ma** 340 **Unit**

HostRocks Limestone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Holland, C.H. 1981, A Geology of Ireland, Chapter 18, Economic Geology: Scottish Akademik Press, Edinburgh, 317 p.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 290 Cont EU NameDeposit Eardiston

OtherNames

Includes

Country Code UKEN England

Lat.Deg 52 Long.Deg -02 Dec.Lat 52.8333333 StateProvince Cheshire

Lat.Min 50 Long.Min -59 Dec.Long -2.98333333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Triassic Ma 220 Unit Keuper Fm.

HostRocks White sandstone

HangingwallBeds

FootwallRocks

Mineralogy Malachite

TraceMinerals

Comments

Reference Bateson, J.H., 1982, Geochemical reconnaissance in the Cheshire Basin in Misc. Investigations on Mineralisation in Sedimentary Rocks:Mineral Reconnaissance Programme, Institute of Geological Sciences, Report no. 52.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID	291	Cont	EU	NameDeposit	Grinshill
OtherNames					
Includes					
Country Code	UKEN	England			
Lat.Deg	52	Long.Deg	-02	Dec.Lat	52.75
Lat.Min	45	Long.Min	-40	Dec.Long	-2.66666667
Lat.Sec		Long.Sec			
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Reduced facies Cu				
Age	Triassic	Ma	220	Unit	Keuper Fm.
HostRocks	Gray sandstone				
HangingwallBeds					
FootwallRocks					
Mineralogy	Malachite				
TraceMinerals					
Comments					

Reference Bateson, J.H., 1982, Geochemical reconnaissance in the Cheshire Basin in Misc. Investigations on Mineralisation in Sedimentary Rocks:Mineral Reconnaissance Programme, Institute of Geological Sciences, Report no. 52.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 292 **Cont** EU **NameDeposit** Shore Hill

OtherNames

Includes

Country Code UKEN England

Lat.Deg 52 **Long.Deg** -02 **Dec.Lat** 52.75 **StateProvince**

Lat.Min 45 **Long.Min** -01 **Dec.Long** -2.01666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Triassic **Ma** 220 **Unit** Bunter Cgl.

HostRocks Gray sandstone

HangingwallBeds

FootwallRocks

Mineralogy Malachite, galena

TraceMinerals

Comments

Reference Dewey, H., 1925, Copper ores of Midlands, Wales, The Lake District and the Isle of Man: Special Report on the Mineral Resources of Great Britain, v. 30

Kirkham, R.V., Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 293 Cont EU NameDeposit Ballymacarbry

OtherNames

Includes

Country Code UKIR Ireland

Lat.Deg 52 Long.Deg -07 Dec.Lat 52.2666667 StateProvince

Lat.Min 16 Long.Min -12 Dec.Long -7.2

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Devonian Ma 380 Unit Old Red Ss., Toe Head Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Emo, G.T., 1981, A review of mineralisation in the Old Red Sandstone and its significance to Irish exploration *in* Brown, A.G., ed., Mineral Exploration in Ireland, Progress and Developments, 1971-1981, p. 27-34.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 294 Cont EU NameDeposit Mallow

OtherNames

Includes

Country Code UKIR Ireland

Lat.Deg 52 Long.Deg -08 Dec.Lat 52.1166667 StateProvince

Lat.Min 07 Long.Min -39 Dec.Long -8.65

Lat.Sec Long.Sec

OreMmt 3.6 CuGrade%0.7 CoGrade% AgGradeppm 27.4

CuMmt .0252

Subtype Uncl.

Age L. Carboniferous Ma 340 Unit

HostRocks Limestone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Holland, C.H. 1981, A Geology of Ireland, Chapter 18, Economic Geology: Scottish Akademik Press, Edinburgh, 317 p.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 295 **Cont** EU **NameDeposit** Hahausen

OtherNames

Includes

Country Code GRMY Germany

Lat.Deg 51 **Long.Deg** 10 **Dec.Lat** 51.9833333 **StateProvince**

Lat.Min 59 **Long.Min** 12 **Dec.Long** 10.2083333

Lat.Sec **Long.Sec** 30

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Permian **Ma** 260 **Unit** Zechstein

HostRocks shale

HangingwallBeds

FootwallRocks Conglomerate, sandstone

Mineralogy

TraceMinerals

Comments

Reference

Walther, H.W., 1986, Federal Republic of Germany in Dunning, F.W., and Evans, A.M., eds., Mineral deposits of Europe, v. 3, Central Europe: Institution of Mining and Metallurgy, The Mineralogical Society, p. 175-293.

DepositID 296 Cont EU NameDeposit Wild Goat

OtherNames

Includes

Country Code UKIR Ireland

Lat.Deg 51 Long.Deg -09 Dec.Lat 51.8833333 StateProvince

Lat.Min 53 Long.Min -57 Dec.Long -9.95

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age U. Devonian Ma 370 Unit West Cork Ss.

HostRocks Sandstone

HangingwallBeds

FootwallRocks Mudstone

Mineralogy Malachite

TraceMinerals

Comments

Reference Snodin, S.R., The nature and origin of copp-rich sedimentary rocks in Southwest Cork, Ireland: IGS Symposium, Galway

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 297 **Cont** EU **NameDeposit** Osterode

OtherNames

Includes

Country Code GRMY Germany

Lat.Deg 51 **Long.Deg** 10 **Dec.Lat** 51.7333333 **StateProvince**

Lat.Min 44 **Long.Min** 16 **Dec.Long** 10.2666667

Lat.Sec 00 **Long.Sec** 00

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Permian **Ma** 260 **Unit** Zechstein

HostRocks Calcareous clay

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Walther, H.W., 1986, Federal Republic of Germany in Dunning, F.W., and Evans, A.M., eds., Mineral deposits of Europe, v. 3, Central Europe: Institution of Mining and Metallurgy, The Mineralogical Society, p. 175-293.

DepositID 298 **Cont** EU **NameDeposit** Southwest Cork

OtherNames

Includes

Country Code UKIR Ireland

Lat.Deg 51 **Long.Deg** -08 **Dec.Lat** 51.6666667 **StateProvince**

Lat.Min 40 **Long.Min** -52 **Dec.Long** -8.8666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U. Devonian **Ma** 370 **Unit** West Cork Ss.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Grade < 0.2% Cu

Reference Snodin, S.R., The nature and origin of copp-rich sedimentary rocks in Southwest Cork, Ireland: IGS Symposium, Galway

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 299 **Cont** EU **NameDeposit** Zary

OtherNames

Includes

Country Code PLND Poland

Lat.Deg 51 **Long.Deg** 15 **Dec.Lat** 51.6416667 **StateProvince**

Lat.Min 38 **Long.Min** 05 **Dec.Long** 15.0916667

Lat.Sec 30 **Long.Sec** 30

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L.Permian **Ma** 270 **Unit** Rotliegendes

HostRocks Sandstone, coal, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Fore-Sudetin Monocline

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID	300	Cont	EU	NameDeposit	Mansfeld
OtherNames					
Includes	Sangerhausen				
Country Code	GRMY	Germany			
Lat.Deg	51	Long.Deg	11	Dec.Lat	51.6
Lat.Min	36	Long.Min	28	Dec.Long	11.4666667
Lat.Sec		Long.Sec			
OreMmt	75	CuGrade%	2.9	CoGrade%	
		CuMmt	2.175	AgGradeppm	150
Subtype	Reduced facies Cu				
Age	Permian	Ma	260	Unit	Zechstein
HostRocks					
HangingwallBeds					
FootwallRocks					
Mineralogy	Chalcocite, neodigenite, covellite, idaite, bornite, chalcopyrite, gatena, sphalerite				
TraceMinerals	Tennantite, arsenopyrite, enargite, stromeyerite, native silver, linnaeite, millerite				
Comments	Thuringian Basin				
Reference	Vaughn, D.J., Sweeney, Diedel, G.F.R., and Haranczyk, C., 1989, The Kupferschiefer: An overview with an appraisal of the different types of mineralization: Economic Geology, v. 84, p. 1003-1027.				

DepositID 301 Cont EU NameDeposit Spremberg

OtherNames

Includes

Country Code GRMY Germany

Lat.Deg 51 Long.Deg 14 Dec.Lat 51.5833333 StateProvince

Lat.Min 35 Long.Min 22 Dec.Long 14.3666667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Permian Ma 260 Unit Zechstein

HostRocks Bituminous clay, marl

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains Cu, Zn, Pb

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

Reh.H., 1984, Vue d'ensemble sur la métallogénie de la République Démocratique Allemande *in* Unesco, Explanatory Memoir of the Metallogenetic map of Europe and Neighboring Countries, p. 237-256

Vaughn, D.J., Sweeney, Diedel, G.F.R., and Haranczyk, C., 1989, The Kupferschiefer: An overview with an appraisal of the different types of mineralization: Economic Geology, v. 84, p. 1003-1027.

DepositID 302 **Cont** EU **NameDeposit** Sierozovice

OtherNames

Includes

Country Code PLND Poland

Lat.Deg 51 **Long.Deg** 15 **Dec.Lat** 51.55 **StateProvince**

Lat.Min 33 **Long.Min** 54 **Dec.Long** 15.9

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Permian **Ma** 260 **Unit** Zechstein

HostRocks Limestone. sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Jowett, E.C., Rydzewski, A., and Jowett, R.J., 1986, The Kupferschiefer Cu-Ag deposits in Poland: a re-appraisal of the evidence of their origin and presentaton of a new genetic model: Canadian Journal of Earth Science, v. 24, p. 2016-2037.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 303 **Cont** EU **NameDeposit** Polkovice

OtherNames

Includes

Country Code PLND Poland

Lat.Deg 51 **Long.Deg** 16 **Dec.Lat** 51.4916667 **StateProvince**

Lat.Min 29 **Long.Min** 02 **Dec.Long** 16.0416667

Lat.Sec 30 **Long.Sec** 30

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Permian **Ma** 260 **Unit** Zechstein

HostRocks Limestone. sandstone

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, covellite, bornite, chalcopyrite, galena, sphalerite, hematite

TraceMinerals Native silver, gold, platinum, palladium, thucolite

Comments

Reference Jowett, E.C., Rydzewski, A., and Jowett, R.J., 1986, The Kupferschiefer Cu-Ag deposits in Poland: a re-appraisal of the evidence of their origin and presentation of a new genetic model: Canadian Journal of Earth Science, v. 24, p. 2016-2037.

Vaughn, D.J., Sweeney, Diedel, G.F.R., and Haranczyk, C., 1989, The Kupferschiefer: An overview with an appraisal of the different types of mineralization: Economic Geology, v. 84, p. 1003-1027.

Kucha, H., and Przybylowicz, W., 1999, Noble metals in organic matter and clay-organic matrices, Kupferschiefer, Poland: Economic Geology, v. 94, p. 1137-1162.

DepositID 304 Cont EU NameDeposit Sangerhausen

OtherNames

Includes

Country Code GRMY Germany

Lat.Deg 51 Long.Deg 11 Dec.Lat 51.49 StateProvince

Lat.Min 29 Long.Min 16 Dec.Long 11.28

Lat.Sec 24 Long.Sec 48

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Permian Ma 260 Unit Zechstein

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains Cu, Pb, Zn, Ag

Reference

Reh.H., 1984, Vue d'ensemble sur la métallogenie de la Republique Démocratique Allemande *in* Unesco, Explanatory Memoir of the Metallogenic map of Europe and Neighboring Countries, p. 237-256

Vaughn, D.J., Sweeney, Diedel, G.F.R., and Haranczyk, C., 1989, The Kupferschiefer: An overview with an appraisal of the different types of mineralization: Economic Geology, v. 84, p. 1003-1027.

DepositID 305 Cont EU NameDeposit Marsberg

OtherNames

Includes

Country Code GRMY Germany

Lat.Deg 51 Long.Deg 08 Dec.Lat 51.4666667 StateProvince

Lat.Min 28 Long.Min 53 Dec.Long 8.8875

Lat.Sec 00 Long.Sec 15

OreMmt 4 CuGrade% 1.5 CoGrade% AgGradeppm

CuMmt .06

Subtype Uncl.

Age U. Permian Ma 260 Unit Zechstein

HostRocks Marl, bituminous limestone

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, bornite, chalcopyrite, pyrite, marcasite, tetrahedrite

TraceMinerals

Comments Fault-controlled chalcopyrite, pyrite, marcasite, tetrahedrite mineralization. Age of fault breccia is pre Zechstien

Reference

Walther, H.W., 1986, Federal Republic of Germany in Dunning, F.W., and Evans, A.M., eds., Mineral deposits of Europe, v. 3, Central Europe: Institution of Mining and Metallurgy, The Mineralogical Society, p. 175-293.

DepositID 306 Cont EU NameDeposit Leitmar

OtherNames

Includes

Country Code GRMY Germany

Lat.Deg 51 Long.Deg 08 Dec.Lat 51.4 StateProvince

Lat.Min 24 Long.Min 51 Dec.Long 8.85

Lat.Sec 00 Long.Sec 00

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Permian Ma 260 Unit Zechstein

HostRocks Clay

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments 30 cm. seam of copper clay

Reference

Walther, H.W., 1986, Federal Republic of Germany in Dunning, F.W., and Evans, A.M., eds., Mineral deposits of Europe, v. 3, Central Europe: Institution of Mining and Metallurgy, The Mineralogical Society, p. 175-293.

DepositID 307 Cont EU NameDeposit Udersleben

OtherNames

Includes Heldrunen

Country Code GRMY Germany

Lat.Deg 51 Long.Deg 10 Dec.Lat 51.4 StateProvince

Lat.Min 24 Long.Min 15 Dec.Long 10.2566667

Lat.Sec 00 Long.Sec 24

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Permian Ma 260 Unit Zechstein

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Reh.H., 1984, Vue d'ensemble sur la métallogenie de la Republique Démocratique Allemande *in* Unesco, Explanatory Memoir of the Metallogenic map of Europe and Neighboring Countries, p. 237-256

DepositID	308	Cont	EU	NameDeposit	Lubin
OtherNames					
Includes	Rudna				
Country Code	PLND	Poland			
Lat.Deg	51	Long.Deg	16	Dec.Lat	51.4
Lat.Min	24	Long.Min	08	Dec.Long	16.1333333
Lat.Sec		Long.Sec			
OreMmt	2600	CuGrade%	2	CoGrade%	
		CuMmt	52	AgGradeppm	30
Subtype	Reduced facies Cu				
Age	Permian	Ma	260	Unit	Zechstein
HostRocks	Shale, siltstone, sandstone				
HangingwallBeds	Limestone				
FootwallRocks	Sandstone				
Mineralogy	Chalcocite, covellite, bornite, chalcopyrite, galena, sphalerite, hematite				
TraceMinerals	Native silver, gold, platinum, palladium, thucolite				
Comments	major ore zone is in white sandstone				
Reference	Large, D.J., and Small, J.S., 2000, Diffusion and reaction-controlled Cu-Pb-Zn ore mineral precipitation in a reducing system: a model applied to the pattern of ore mineral precipitation in the Kupferschiefer and other black shales: <i>Economic Geology</i>, v. 95, p.577-586 Kucha, H., and Przybylowicz, W., 1999, Noble metals in organic matter and clay-organic matrices, Kupferschiefer, Poland: <i>Economic Geology</i>, v. 94, p. 1137-1162. Jowett, E.C., Rydzewski, A., and Jowett, R.J., 1986, The Kupferschiefer Cu-Ag deposits in Poland: a re-appraisal of the evidence of their origin and presentation of a new genetic model: <i>Canadian Journal of Earth Science</i>, v. 24, p. 2016-2037. Oszczepalski, S., and Rydzewski, A., 1991, The Kupferschiefer mineralization in Poland: <i>Zentralblatt Geologie und Paläontologie, Teil I</i>, v. 4, p. 957-999.				

DepositID 309 **Cont** EU **NameDeposit** Malomice

OtherNames

Includes

Country Code PLND Poland

Lat.Deg 51 **Long.Deg** 16 **Dec.Lat** 51.3833333 **StateProvince**

Lat.Min 23 **Long.Min** 11 **Dec.Long** 16.1833333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Permian **Ma** 260 **Unit** Zechstein

HostRocks Limestone. sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Fore-Sudetin Monocline

Reference Jowett, E.C., Rydzewski, A., and Jowett, R.J., 1986, The Kupferschiefer Cu-Ag deposits in Poland: a re-appraisal of the evidence of their origin and presentaton of a new genetic model: Canadian Journal of Earth Science, v. 24, p. 2016-2037.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 310 Cont EU NameDeposit Witzenhausen

OtherNames

Includes

Country Code GRMY Germany

Lat.Deg 51 Long.Deg 09 Dec.Lat 51.3333333 StateProvince

Lat.Min 20 Long.Min 52 Dec.Long 9.8666667

Lat.Sec 00 Long.Sec 00

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Permian Ma 260 Unit Zechstein

HostRocks Calcareous clay

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Walther, H.W., 1986, Federal Republic of Germany in Dunning, F.W., and Evans, A.M., eds., Mineral deposits of Europe, v. 3, Central Europe: Institution of Mining and Metallurgy, The Mineralogical Society, p. 175-293.

DepositID 311 **Cont** EU **NameDeposit** Lubichow

OtherNames

Includes

Country Code PLND Poland

Lat.Deg 51 **Long.Deg** 15 **Dec.Lat** 51.275 **StateProvince**

Lat.Min 16 **Long.Min** 34 **Dec.Long** 15.5666667

Lat.Sec 30 **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Permian **Ma** 260 **Unit** Zechstein

HostRocks Bituminous marly shale, limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments North Sudetic Syncline

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 312 Cont EU NameDeposit Konrad

OtherNames

Includes

Country Code PLND Poland

Lat.Deg 51 Long.Deg 13 Dec.Lat 51.25 StateProvince

Lat.Min 15 Long.Min 43 Dec.Long 13.7166667

Lat.Sec Long.Sec

OreMmt 182.5 CuGrade%0.7 CoGrade% AgGradeppm

CuMmt 1.2775

Subtype Reduced facies Cu

Age Permian Ma 260 Unit Zechstein

HostRocks Shale, siltstone

HangingwallBeds Limestone

FootwallRocks Sandstone

Mineralogy Chalcocite, covellite, bornite, chalcopyrite, galena, sphalerite, hematite

TraceMinerals

Comments

Reference Large, D.J., and Small, J.S., 2000, Diffusion and reaction-controlled Cu-Pb-Zn ore mineral precipitation in a reducing system: a model applied to the pattern of ore mineral precipitation in the Kupferschiefer and other black shales: Economic Geology, v. 95, p.577-586

Kucha, H., and Przybylowicz, W., 1999, Noble metals in organic matter and clay-organic matrices, Kupferschiefer, Poland: Economic Geology, v. 94, p. 1137-1162.

Jowett, E.C., Rydzewski, A., and Jowett, R.J., 1986, The Kupferschiefer Cu-Ag deposits in Poland: a re-appraisal of the evidence of their origin and presentation of a new genetic model: Canadian Journal of Earth Science, v. 24, p. 2016-2037.

DepositID 313 **Cont** EU **NameDeposit** Korbach

OtherNames

Includes

Country Code GRMY Germany

Lat.Deg 51 **Long.Deg** 08 **Dec.Lat** 51.2166667 **StateProvince**

Lat.Min 13 **Long.Min** 47 **Dec.Long** 8.78333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Permian **Ma** 260 **Unit** Zechstein

HostRocks Marl, limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments 12-15 layers. Up to 4% Cu

Reference

Walther, H.W., 1986, Federal Republic of Germany in Dunning, F.W., and Evans, A.M., eds., Mineral deposits of Europe, v. 3, Central Europe: Institution of Mining and Metallurgy, The Mineralogical Society, p. 175-293.

DepositID 314 **Cont** EU **NameDeposit** Lena

OtherNames

Includes

Country Code PLND Poland

Lat.Deg 51 **Long.Deg** 15 **Dec.Lat** 51.1083333 **StateProvince**

Lat.Min 06 **Long.Min** 49 **Dec.Long** 15.8166667

Lat.Sec 30 **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Permian **Ma** 260 **Unit** Zechstein

HostRocks Marl, limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Fore-Sudetin Monocline

Reference Jowett, E.C., Rydzewski, A., and Jowett, R.J., 1986, The Kupferschiefer Cu-Ag deposits in Poland: a re-appraisal of the evidence of their origin and presentaton of a new genetic model: Canadian Journal of Earth Science, v. 24, p. 2016-2037.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 315 **Cont** EU **NameDeposit** Nowy Kosciol

OtherNames

Includes

Country Code PLND Poland

Lat.Deg 51 **Long.Deg** 15 **Dec.Lat** 51.1 **StateProvince**

Lat.Min 06 **Long.Min** 54 **Dec.Long** 15.9

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Permian **Ma** 260 **Unit** Zechstein

HostRocks Limestone. sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Fore-Sudetin Monocline

Reference Jowett, E.C., Rydzewski, A., and Jowett, R.J., 1986, The Kupferschiefer Cu-Ag deposits in Poland: a re-appraisal of the evidence of their origin and presentaton of a new genetic model: Canadian Journal of Earth Science, v. 24, p. 2016-2037.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 316 **Cont** EU **NameDeposit** Geismar

OtherNames

Includes

Country Code GRMY Germany

Lat.Deg 51 **Long.Deg** 08 **Dec.Lat** 51.0833333 **StateProvince**

Lat.Min 05 **Long.Min** 52 **Dec.Long** 8.8666667

Lat.Sec 00 **Long.Sec** 00

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Permian **Ma** 260 **Unit** Zechstein

HostRocks Calcareous clay

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, chalcopyrite, tetrahedrite, pyrargyrite, native silver

TraceMinerals

Comments 1-2 m thick, 1.0 % Cu, 11 g/mt Ag

Reference

Walther, H.W., 1986, Federal Republic of Germany in Dunning, F.W., and Evans, A.M., eds., Mineral deposits of Europe, v. 3, Central Europe: Institution of Mining and Metallurgy, The Mineralogical Society, p. 175-293.

DepositID 317 Cont EU NameDeposit Richelsdorf

OtherNames

Includes

Country Code GRMY Germany

Lat.Deg 50 Long.Deg 09 Dec.Lat 50.9833333 StateProvince

Lat.Min 59 Long.Min 54 Dec.Long 9.9

Lat.Sec Long.Sec

OreMmt 42 CuGrade% 0.99 CoGrade% AgGradeppm 25

CuMmt .4158

Subtype Reduced facies Cu

Age Permian Ma 260 Unit Zechstein

HostRocks Sandstone and slate

HangingwallBeds Slate

FootwallRocks Gray sandstone

Mineralogy Bornite, chalcocite, chalcopyrite, pyrite, galena, sphalerite, barite

TraceMinerals Marcasite, tennantite, löllingite

Comments Cobalt minerals recovered.

Reference Schmidt, F.P., Schumacher, C., Spieth, V., and Friedrich, G. 1986, Results of recent exploration for copper-silver deposits in the Kupferschiefer of West Germany *in* Friedrich, G.H., Genkin, A.D., Naldrett, A.J., Ridge, J.D., Sillitoe, R.H., and Vokes, F. M. Geology and Metallogeny of Copper Deposits, Proceedings 27th International Geological Congress, Moscow, 1984: Berlin, Springer-Verlag, p. 573-582.

Walther, H.W., 1986, Federal Republic of Germany in Dunning, F.W., and Evans, A.M., eds., Mineral deposits of Europe, v. 3, Central Europe: Institution of Mining and Metallurgy, The Mineralogical Society, p. 175-293.

Vaughn, D.J., Sweeney, Diedel, G.F.R., and Haranczyk, C., 1989, The Kupferschiefer: An overview with an appraisal of the different types of mineralization: Economic Geology, v. 84, p. 1003-1027.

DepositID 318 Cont EU NameDeposit Schweina

OtherNames

Includes

Country Code GRMY Germany

Lat.Deg 50 Long.Deg 10 Dec.Lat 50.83 StateProvince

Lat.Min 49 Long.Min 18 Dec.Long 10.3

Lat.Sec 48 Long.Sec 00

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Permian Ma 260 Unit Zechstein

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains Cu, Ag 50.83/10.3

Reference

Reh.H., 1984, Vue d'ensemble sur la métallogenie de la Republique Démocratique Allemande *in* Unesco, Explanatory Memoir of the Metallogenic map of Europe and Neighboring Countries, p. 237-256

DepositID 319 Cont EU NameDeposit Ilmenau

OtherNames

Includes

Country Code GRMY Germany

Lat.Deg 50 Long.Deg 10 Dec.Lat 50.7 StateProvince

Lat.Min 42 Long.Min 53 Dec.Long 10.89

Lat.Sec 00 Long.Sec 24

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Permian Ma 260 Unit Zechstein

HostRocks Bituminous clay, marl

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains Cu, Ag

Reference

Reh.H., 1984, Vue d'ensemble sur la métallogenie de la Republique Démocratique Allemande *in* Unesco, Explanatory Memoir of the Metallogenic map of Europe and Neighboring Countries, p. 237-256

DepositID 320 **Cont** EU **NameDeposit** Kostalov

OtherNames

Includes

Country Code CZEC Czech Republic

Lat.Deg 50 **Long.Deg** 15 **Dec.Lat** 50.6166667 **StateProvince** Bohemia

Lat.Min 37 **Long.Min** 40 **Dec.Long** 15.6666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permian **Ma** 280 **Unit**

HostRocks Siltstone

HangingwallBeds Conglomerate

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains V

Reference Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 321 **Cont** EU **NameDeposit** Okrzeszyn

OtherNames

Includes

Country Code PLND Poland

Lat.Deg 50 **Long.Deg** 16 **Dec.Lat** 50.5541667 **StateProvince**

Lat.Min 33 **Long.Min** 30 **Dec.Long** 16.5

Lat.Sec 15 **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L.Permian **Ma** 270 **Unit** Rotliegendes

HostRocks Sandstone, coal, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 322 **Cont** EU **NameDeposit** Horni Vernerovice

OtherNames Wernersdorf

Includes

Country Code CZEC Czech Republic

Lat.Deg 50 **Long.Deg** 16 **Dec.Lat** 50.5666667 **StateProvince** Bohemia

Lat.Min 34 **Long.Min** 10 **Dec.Long** 16.1666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit**

HostRocks Claystone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 323 **Cont** EU **NameDeposit** Dolembreux

OtherNames

Includes

Country Code BLGM Belgium

Lat.Deg 50 **Long.Deg** 5 **Dec.Lat** 50.5333333 **StateProvince**

Lat.Min 32 **Long.Min** 37 **Dec.Long** 5.6166667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age M. Devonian **Ma** 385 **Unit** Groeden Ss.

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains Cu, Pb, Zn, Ba, F

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 324 **Cont** EU **NameDeposit** Exmouth

OtherNames

Includes

Country Code UKEN England

Lat.Deg 50 **Long.Deg** -03 **Dec.Lat** 50.5166667 **StateProvince**

Lat.Min 31 **Long.Min** -30 **Dec.Long** -3.5

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age U. Permian **Ma** 260 **Unit** New Red Ss.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Malachite, galena

TraceMinerals

Comments Contains U

Reference Dewey, H., 1925, Copper ores of Midlands, Wales, The Lake District and the Isle of Man: Special Report on the Mineral Resources of Great Britain, v. 30

Kirkham, R.V., Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 325 **Cont** EU **NameDeposit** Horni Kalna

OtherNames Wernersdorf

Includes

Country Code CZEC Czech Republic

Lat.Deg 50 **Long.Deg** 15 **Dec.Lat** 50.4666667 **StateProvince** Bohemia

Lat.Min 28 **Long.Min** 32 **Dec.Long** 15.5333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit**

HostRocks Clay, siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains U and V

Reference Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 326 **Cont** EU **NameDeposit** Rouveroy

OtherNames

Includes

Country Code BLGM Belgium

Lat.Deg 50 **Long.Deg** 4 **Dec.Lat** 50.3666667 **StateProvince**

Lat.Min 22 **Long.Min** 4 **Dec.Long** 4.0666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age L. Devonian **Ma** 390 **Unit** Bournot Fm.

HostRocks Shale, sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 327 **Cont** EU **NameDeposit** Huttengesass

OtherNames

Includes

Country Code GRMY Germany

Lat.Deg 50 **Long.Deg** 09 **Dec.Lat** 50.25 **StateProvince**

Lat.Min 15 **Long.Min** 10 **Dec.Long** 9.16666667

Lat.Sec 00 **Long.Sec** 00

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Permian **Ma** 260 **Unit** Zechstein

HostRocks Calcareous clay

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Walther, H.W., 1986, Federal Republic of Germany in Dunning, F.W., and Evans, A.M., eds., Mineral deposits of Europe, v. 3, Central Europe: Institution of Mining and Metallurgy, The Mineralogical Society, p. 175-293.

DepositID 328 **Cont** EU **NameDeposit** Bieber

OtherNames

Includes

Country Code GRMY Germany

Lat.Deg 50 **Long.Deg** 09 **Dec.Lat** 50.1666667 **StateProvince**

Lat.Min 10 **Long.Min** 20 **Dec.Long** 9.33333333

Lat.Sec 00 **Long.Sec** 00

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Permian **Ma** 260 **Unit** Zechstein

HostRocks Calcareous clay

HangingwallBeds

FootwallRocks

Mineralogy chalcopyrite, tetrahedrite, galena

TraceMinerals

Comments 2 m thick, 0.4 % Cu, 0.9 Pb, 40 g/mt Ag

Reference

Walther, H.W., 1986, Federal Republic of Germany in Dunning, F.W., and Evans, A.M., eds., Mineral deposits of Europe, v. 3, Central Europe: Institution of Mining and Metallurgy, The Mineralogical Society, p. 175-293.

DepositID 329 **Cont** EU **NameDeposit** Artemovsk Basin

OtherNames

Includes

Country Code UKRA Ukraine

Lat.Deg 48 **Long.Deg** 38 **Dec.Lat** 48.6 **StateProvince**

Lat.Min 36 **Long.Min** 02 **Dec.Long** 38.0333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age **Ma** **Unit**

HostRocks Sandy clay

HangingwallBeds Limestone

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains Cu grading upward to Pb Zn

Reference Strakhov, N.M., 1962, Principles of lithogenesis (Translated by Fitzimmons, J.P., editedby Tomkief, S.I., and Hemingway, J.E.) New York, Plenum Publishing Corp. and Edinburgh, Oliver and Boyd, 577 p.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 330 **Cont** EU **NameDeposit** Sankovce

OtherNames

Includes

Country Code SLOV Slovak Republic

Lat.Deg 48 **Long.Deg** 20 **Dec.Lat** 48.5666667 **StateProvince**

Lat.Min 34 **Long.Min** 18 **Dec.Long** 20.3

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Permian-Triassic **Ma** 225 **Unit**

HostRocks Marl, schist, sandstone, gypsum, anhydrite

HangingwallBeds

FootwallRocks Evaporite

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 331 Cont EU NameDeposit Dnestr

OtherNames

Includes

Country Code UKRA Ukraine

Lat.Deg 48 Long.Deg 27 Dec.Lat 48.5 StateProvince

Lat.Min 30 Long.Min 00 Dec.Long 27

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Devonian Ma 390 Unit

HostRocks Sandstone, carbonaceous shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 332 **Cont** EU **NameDeposit** Bakhmut Basinn

OtherNames

Includes

Country Code UKRA Ukraine

Lat.Deg 48 **Long.Deg** 36 **Dec.Lat** 48.5 **StateProvince**

Lat.Min 30 **Long.Min** 00 **Dec.Long** 36

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L. Permian **Ma** 280 **Unit** Kartamysh Fm.

HostRocks Sandstone, siltstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kanana, Y.F., 1974, Association of copper-lead-zinc ore ocurences of the Lower Permian Bakhmut Basin with sulfide ore formation of the Nagolnyi Ridge in the Donets Basin: Lithology and Mineral Resources, Nov. 1974

Davidson, C.F., 1965, A possble mode of origin of stratabound copper ores: Economic Geology, v. 60, p. 942-954.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 333 Cont EU NameDeposit Donbass

OtherNames

Includes

Country Code UKRA Ukraine

Lat.Deg 48 Long.Deg 38 Dec.Lat 48.366667 StateProvince

Lat.Min 22 Long.Min 07 Dec.Long 38.116667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Permian Ma 280 Unit Kartamysh Fm.

HostRocks Sandstone, mudstone, silty carbonate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Strakhov, N.M., 1962, Principles of lithogenesis (Translated by Fitzimmons, J.P., edited by Tomkief, S.I., and Hemingway, J.E.) New York, Plenum Publishing Corp. and Edinburgh, Oliver and Boyd, 577 p.

Kirkham, R.V., Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 334 Cont EU NameDeposit Darno-Hegy

OtherNames

Includes

Country Code HUNG Hungary

Lat.Deg 48 Long.Deg 21 Dec.Lat 48.3333333 StateProvince

Lat.Min 20 Long.Min 30 Dec.Long 21.5

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age L. Mesozoic Ma 200 Unit

HostRocks Shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 335 **Cont** EU **NameDeposit** Kal Mius

OtherNames Torets Basin

Includes

Country Code UKRA Ukraine

Lat.Deg 47 **Long.Deg** 37 **Dec.Lat** 47.5 **StateProvince**

Lat.Min 30 **Long.Min** 30 **Dec.Long** 37.5

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L. Permian **Ma** 280 **Unit** Kartamysh Fm.

HostRocks Argillite, siltstone, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bogdanov, Y.V., Bur'yanova, E.Z., and Kytyrev, E.I., 1973, Stratifitzirovannye mestotozhdenniya nedi SSSR (Strata-bound copper deposits of the USSR): Leningrad, Nedra Publishing House, 312 p. (in Russian)

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 336 Cont EU NameDeposit Murtschenalp

OtherNames

Includes

Country Code SWIS Switzerland

Lat.Deg 47 Long.Deg 09 Dec.Lat 47.0666667 StateProvince

Lat.Min 04 Long.Min 15 Dec.Long 9.25

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Permian Ma 260 Unit

HostRocks Breccia, sandstone, siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Jaffe, F.C., 1984, Metallogénie de la Suisse *in* Unesco, Explanatory Memoir of the Metallogenic map of Europe and Neighboring Countries, p. 25-38.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 337 Cont EU NameDeposit South Tyrol

OtherNames

Includes

Country Code ITLY Italy

Lat.Deg 46 Long.Deg 11 Dec.Lat 46.3833333 StateProvince

Lat.Min 23 Long.Min 26 Dec.Long 11.4333333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age M. Permian Ma 260 Unit Groeden Ss.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Wopfner, H., Griessecke, S., Koch, J., and Fels,H., 1983, New aspects on Metal deposits of the Groeden Sandstone (South Tyrol, taly) *in* Schneider, H.J., ed., Mineral Deposits of the Alps and of the Alpine Epoch in Europe, Springer Verlag, p. 60-69.

DepositID 338 Cont EU NameDeposit Leysin

OtherNames

Includes

Country Code SWIS Switzerland

Lat.Deg 46 Long.Deg 07 Dec.Lat 46.35 StateProvince

Lat.Min 21 Long.Min 01 Dec.Long 7.01666667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Paleocene Ma 60 Unit

HostRocks Marl

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Jaffe, F.C., 1984, Metallogénie de la Suisse *in* Unesco, Explanatory Memoir of the Metallogenic map of Europe and Neighboring Countries, p. 25-38.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 339 Cont EU NameDeposit Ubine

OtherNames

Includes

Country Code FRNC France

Lat.Deg 46 Long.Deg 06 Dec.Lat 46.3041667 StateProvince

Lat.Min 18 Long.Min 44 Dec.Long 6.73333333

Lat.Sec 15 Long.Sec 00

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Paleocene Ma 60 Unit .

HostRocks Marl

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 340 Cont EU NameDeposit Le Biot

OtherNames

Includes

Country Code FRNC France

Lat.Deg 46 Long.Deg 06 Dec.Lat 46.25 StateProvince

Lat.Min 15 Long.Min 39 Dec.Long 6.65

Lat.Sec 00 Long.Sec 00

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Paleocene Ma 60 Unit .

HostRocks Marl, limestone, calcareous sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 341 Cont EU NameDeposit Jambaz

OtherNames

Includes

Country Code FRNC France

Lat.Deg 46 Long.Deg 06 Dec.Lat 46.2083333 StateProvince

Lat.Min 12 Long.Min 31 Dec.Long 6.51666667

Lat.Sec 30 Long.Sec 00

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Paleocene Ma 60 Unit .

HostRocks Marl, limestone, calcareous sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 342 Cont EU NameDeposit La Riolle

OtherNames

Includes

Country Code FRNC France

Lat.Deg 46 Long.Deg 06 Dec.Lat 46.085 StateProvince

Lat.Min 05 Long.Min 32 Dec.Long 6.54166667

Lat.Sec 06 Long.Sec 30

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Paleocene Ma 60 Unit .

HostRocks Marl

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 343 **Cont** EU **NameDeposit** Skofje

OtherNames

Includes

Country Code SLVN Slovenia

Lat.Deg 45 **Long.Deg** 14 **Dec.Lat** 45.0833333 **StateProvince**

Lat.Min 05 **Long.Min** 15 **Dec.Long** 14.25

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit** Val Gardena Seq.

HostRocks Gray sandstone, siltstone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Panonian Basin

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

Drovenik, M., 1980, Copper deposits in Permian Sandstone of Yugoslavia *in* European Copper Deposits: Belgrade, Society for Geology Applied to Mineral Deposits, Special Pub. No. 1, p. 261-264.

DepositID 344 **Cont** EU **NameDeposit** Pont des Roberts

OtherNames

Includes

Country Code FRNC France

Lat.Deg 44 **Long.Deg** 06 **Dec.Lat** 44.0666667 **StateProvince**

Lat.Min 04 **Long.Min** 51 **Dec.Long** 6.85833333

Lat.Sec 00 **Long.Sec** 30

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L. Triassic **Ma** 225 **Unit** .

HostRocks Conglomerate

HangingwallBeds

FootwallRocks Permian

Mineralogy Chalcopyrite, bornite, pyrite, chalcocite, digenite

TraceMinerals Idaite, wittichenite

Comments

Reference Vinchon, C., 1984, Sédimentogénese et métallogénese du Permien du Dôme du Barrot (Alpes Maritimes France): Documents du B.R.G.M. No. 70, 444 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 345 **Cont** EU **NameDeposit** Bancairon

OtherNames

Includes

Country Code FRNC France

Lat.Deg 44 **Long.Deg** 06 **Dec.Lat** 44.0541667 **StateProvince**

Lat.Min 03 **Long.Min** 51 **Dec.Long** 6.86

Lat.Sec 15 **Long.Sec** 36

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L. Triassic **Ma** 225 **Unit** .

HostRocks Conglomerate

HangingwallBeds

FootwallRocks

Mineralogy Tennantite, chalcopyrite, pyrite, luzonite,

TraceMinerals Germanite, renierite, briarite

Comments Overlies Permian beds

Reference Vinchon, C., 1984, Sédimentogénese et métallogénese du Permien du Dôme du Barrot (Alpes Maritimes France): Documents du B.R.G.M. No. 70, 444 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 346 **Cont** EU **NameDeposit** Giordannet

OtherNames

Includes Hubac de Jourdan Est

Country Code FRNC France

Lat.Deg 44 **Long.Deg** 06 **Dec.Lat** 44.0333333 **StateProvince**

Lat.Min 02 **Long.Min** 51 **Dec.Long** 6.85833333

Lat.Sec 00 **Long.Sec** 30

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit** Leouve Fm.

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, bornite, idaite, pyrite, enargite

TraceMinerals Digenite, covellite

Comments

Reference Vinchon, C., 1984, Sédimentogénese et métallogénese du Permien du Dôme du Barrot (Alpes Maritimes France): Documents du B.R.G.M. No. 70, 444 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 347 **Cont** EU **NameDeposit** Liouc

OtherNames

Includes

Country Code FRNC France

Lat.Deg 44 **Long.Deg** 06 **Dec.Lat** 44.0291667 **StateProvince**

Lat.Min 01 **Long.Min** 50 **Dec.Long** 6.83333333

Lat.Sec 45 **Long.Sec** 00

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L. Triassic **Ma** 225 **Unit** .

HostRocks Conglomerate, sandstone

HangingwallBeds

FootwallRocks

Mineralogy Bornite, chalcocite, digenite, covellite

TraceMinerals U in organic material

Comments Overlies Permian beds

Reference Vinchon, C., 1984, Sédimentogénese et métallogénese du Permien du Dôme du Barrot (Alpes Maritimes France): Documents du B.R.G.M. No. 70, 444 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 348 **Cont** EU **NameDeposit** Cerisier

OtherNames

Includes

Country Code FRNC France

Lat.Deg 43 **Long.Deg** 06 **Dec.Lat** 43.9866667 **StateProvince**

Lat.Min 59 **Long.Min** 53 **Dec.Long** 6.89166667

Lat.Sec 12 **Long.Sec** 30

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L. Triassic **Ma** 225 **Unit** .

HostRocks Conglomerate

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, digenite, covellite, bornite, chalcopyrite, pyrite, ,

TraceMinerals Luzonite, enagite, delafossite

Comments Overlies Permian beds

Reference Vinchon, C., 1984, Sédimentogénese et métallogénese du Permien du Dôme du Barrot (Alpes Maritimes France): Documents du B.R.G.M. No. 70, 444 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 349 Cont EU NameDeposit Lodeve

OtherNames

Includes

Country Code FRNC France

Lat.Deg 43 Long.Deg 03 Dec.Lat 43.7333333 StateProvince

Lat.Min 44 Long.Min 19 Dec.Long 3.31666667

Lat.Sec 00 Long.Sec 00

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Triassic Ma 220 Unit .

HostRocks Conglomerate, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 350 **Cont** EU **NameDeposit** Suva Planina Mountain

OtherNames

Includes

Country Code YUGO Yugoslavia

Lat.Deg 43 **Long.Deg** 22 **Dec.Lat** 43.1666667 **StateProvince** Serbia

Lat.Min 10 **Long.Min** 15 **Dec.Long** 22.25

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit**

HostRocks Arkose, siltstone

HangingwallBeds

FootwallRocks Redbeds

Mineralogy

TraceMinerals

Comments

Reference Droveni, M., 1983, Mineral deposits in Permian sandstone of Yugoslavia *in* European Copper Deposits: Society for Geology Applied to Mineral Deposits, Belgrade, Special Publication No. 1, P. 261-264

DepositID 351 **Cont** EU **NameDeposit** Cap Garonne

OtherNames

Includes

Country Code FRNC France

Lat.Deg 43 **Long.Deg** 06 **Dec.Lat** 43.0666667 **StateProvince**

Lat.Min 04 **Long.Min** 19 **Dec.Long** 6.3166667

Lat.Sec 00 **Long.Sec** 00

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L. Triassic **Ma** 225 **Unit** .

HostRocks Conglomerate, sandstone

HangingwallBeds

FootwallRocks

Mineralogy Galena, sphalerite, tennantite, chalcopyrite, bornite, digenite, chalcocite, covellite

TraceMinerals

Comments Overlies Permian beds

Reference Vinchon, C., 1984, Sédimentogénese et métallogénese du Permien du Dôme du Barrot (Alpes Maritimes France): Documents du B.R.G.M. No. 70, 444 p.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 352 Cont EU NameDeposit Zaragoza

OtherNames

Includes

Country Code SPAN Spain

Lat.Deg 41 Long.Deg 00 Dec.Lat 41.5833333 StateProvince

Lat.Min 35 Long.Min -55 Dec.Long -916666667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Oligocene Ma 30 Unit Sos y Biel Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 353 **Cont** EU **NameDeposit** Menorca Island

OtherNames

Includes

Country Code SPAN Spain

Lat.Deg 39 **Long.Deg** 04 **Dec.Lat** 39.9833333 **StateProvince**

Lat.Min 59 **Long.Min** 05 **Dec.Long** 4.08333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age L Triassic **Ma** 220 **Unit**

HostRocks Marl

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 354 **Cont** EU **NameDeposit** Santomera

OtherNames

Includes

Country Code SPAN Spain

Lat.Deg 38 **Long.Deg** -01 **Dec.Lat** 38.05 **StateProvince**

Lat.Min 03 **Long.Min** -03 **Dec.Long** -1.05

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Triassic **Ma** 260 **Unit**

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 355 Cont EU NameDeposit Granada

OtherNames

Includes

Country Code SPAN Spain

Lat.Deg 37 Long.Deg -01 Dec.Lat 37.55 StateProvince

Lat.Min 33 Long.Min -22 Dec.Long -1.36666667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Triassic Ma 260 Unit

HostRocks Marl, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 356 **Cont** ME **NameDeposit** Nasar

OtherNames

Includes

Country Code IRAN Iran

Lat.Deg 35 **Long.Deg** 59 **Dec.Lat** 35.5872222 **StateProvince**

Lat.Min 35 **Long.Min** 50 **Dec.Long** 59.8355556

Lat.Sec 14 **Long.Sec** 08

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Eocene **Ma** 40 **Unit**

HostRocks Tuffaceous sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 357 **Cont** ME **NameDeposit** Nuqeib

OtherNames

Includes

Country Code ISRL **Israel**

Lat.Deg 32 **Long.Deg** 35 **Dec.Lat** 32.75 **StateProvince**

Lat.Min 45 **Long.Min** 40 **Dec.Long** 35.6666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Neogene **Ma** 12 **Unit** Herod Fm.

HostRocks Conglomerate

HangingwallBeds Calcareous sandstone

FootwallRocks Calcareous sandstone

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 358 **Cont** ME **NameDeposit** Khanega

OtherNames

Includes

Country Code IRAN Iran

Lat.Deg 31 **Long.Deg** 51 **Dec.Lat** 31.0005556 **StateProvince**

Lat.Min 00 **Long.Min** 20 **Dec.Long** 51.335

Lat.Sec 02 **Long.Sec** 06

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Upper Cambrian **Ma** 520 **Unit**

HostRocks Limestone and dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bazin, D.,and Hubner, H., 1969, Copper deposits in Iran: Geological survey of Iran Geological Report 13, p. 93.

DepositID 359 Cont ME NameDeposit Fenan

OtherNames

Includes

Country Code JRDN Jordan

Lat.Deg 30 Long.Deg 35 Dec.Lat 30.6 StateProvince

Lat.Min 36 Long.Min 25 Dec.Long 35.4166667

Lat.Sec Long.Sec

OreMmt 65 CuGrade% 1.2 CoGrade% AgGradeppm

CuMmt .78

Subtype Uncl.

Age L. Cambrian Ma 560 Unit

HostRocks Clay, siltstone

HangingwallBeds

FootwallRocks Arkose

Mineralogy Chrysocolla, malachite, azurite

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 360 **Cont** ME **NameDeposit** Abu Kashabia

OtherNames

Includes

Country Code JRDN Jordan

Lat.Deg 30 **Long.Deg** 35 **Dec.Lat** 30.4166667 **StateProvince**

Lat.Min 25 **Long.Min** 15 **Dec.Long** 35.25

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age L.r Cambrian **Ma** 560 **Unit**

HostRocks Arkose

HangingwallBeds Clay, siltstone

FootwallRocks

Mineralogy Chrysocolla, malachite, azurite

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 361 **Cont** ME **NameDeposit** Chehel Kureh

OtherNames

Includes

Country Code IRAN Iran

Lat.Deg 30 **Long.Deg** 59 **Dec.Lat** 30.1833333 **StateProvince**

Lat.Min 11 **Long.Min** 59 **Dec.Long** 59.9986111

Lat.Sec **Long.Sec** 55

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Tertiary **Ma** 30 **Unit**

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bazin, D.,and Hubner, H., 1969, Copper deposits in Iran: Geological survey of Iran Geological Report 13, p. 93.

DepositID 362 **Cont** ME **NameDeposit** Har Timna

OtherNames

Includes Har Mikhrot

Country Code ISRL Israel

Lat.Deg 29 **Long.Deg** 34 **Dec.Lat** 29.7833333 **StateProvince**

Lat.Min 47 **Long.Min** 58 **Dec.Long** 34.975

Lat.Sec **Long.Sec** 30

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age L. Cambrian **Ma** 560 **Unit** Timna Fm.

HostRocks Sandstone and shale, phosphorite, Mn-rich shale

HangingwallBeds Dolomite

FootwallRocks

Mineralogy Chrysocolla, malachite, psuedomalachite, bisbeeite, pyrolusite, cryptomellane

TraceMinerals

Comments Mobilization of Cu in dolomite and redeposition in sandstone beds probably occurred in Miocene.

Reference Bar-Mathews, M., 1987, The genesis of uranium in manganese and phosphorite assemblages, Timna Basin, Israel: Geological Magazine, v. 124, no. 3, p. 211-229

Segev, A., and Sass, E., Copper-enriched syngenetic dolostones as spource for epigenetic coper mineralization in sandstones and shales (Timna, Israel) *in* Boyle, R. W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36, p. 647-658

DepositID 363 Cont ME NameDeposit Timna

OtherNames

Includes

Country Code ISRL Israel

Lat.Deg 29 Long.Deg 34 Dec.Lat 29.7666667 StateProvince

Lat.Min 46 Long.Min 57 Dec.Long 34.95

Lat.Sec Long.Sec

OreMmt 18.1 CuGrade% 1.6 CoGrade% AgGradeppm

CuMmt .2896

Subtype Uncl.

Age L. Cambrian Ma 560 Unit Timna Fm.

HostRocks Sandstone and shale, phosphorite, Mn-rich shale

HangingwallBeds Dolomite

FootwallRocks

Mineralogy

TraceMinerals

Comments Mobilization of Cu in dolomite and redeposition in sandstone beds probably occurred in Miocene. U-rich Mn nodules occur in phosphorite.

Reference Bar-Mathews, M., 1987, The genesis of uranium in manganese and phosphorite assemblages, Timna Basin, Israel: Geological Magazine, v. 124, no. 3, p. 211-229

Segev, A., and Sass, E., Copper-enriched syngenetic dolostones as spource for epigenetic coper mineralization in sandstones and shales (Timna, Israel) *in* Boyle, R. W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36, p. 647-658

DepositID 364 Cont ME NameDeposit Hare Hakhliil

OtherNames

Includes

Country Code ISRL Israel

Lat.Deg 29 Long.Deg 34 Dec.Lat 29.7333333 StateProvince

Lat.Min 44 Long.Min 58 Dec.Long 34.9666667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Lower Cretaceous Ma 124 Unit Amir Fm.

HostRocks White kaolinitic sandstone

HangingwallBeds Dolomite

FootwallRocks

Mineralogy

TraceMinerals

Comments Mobilization of Cu in dolomite and redeposition in sandstone beds probably occurred in Miocene.

Reference Bar-Mathews, M., 1987, The genesis of uranium in manganese and phosphorite assemblages, Timna Basin, Israel: Geological Magazine, v. 124, no. 3, p. 211-229

Segev, A., and Sass, E., Copper-enriched syngenetic dolostones as spource for epigenetic coper mineralization in sandstones and shales (Timna, Israel) *in* Boyle, R. W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36, p. 647-658

DepositID 365 **Cont** ME **NameDeposit** Kuhne Mes

OtherNames

Includes

Country Code IRAN Iran

Lat.Deg 29 **Long.Deg** 53 **Dec.Lat** 29.25 **StateProvince**

Lat.Min 15 **Long.Min** 45 **Dec.Long** 53.75

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Paleocene-Eocene **Ma** 55 **Unit** Sachun Fm.

HostRocks Sandstone, grit, conglomerate

HangingwallBeds Dolomite, gypsum

FootwallRocks Argillaceous dolomite

Mineralogy Brochantite, malachite, minium (Pb oxide), limonite, barite, gypsum, calcite

TraceMinerals

Comments Aincient mine

Reference Haynes, S.J., 1989, Kuhne Mes, southern Iran: a Tertiary Sabkha-hosted Cu-Pb deposit associated with active compressional tectonics *in* Boyle, R.W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36, p. 637-646

DepositID 366 **Cont** ME **NameDeposit** Jabal Murryyi

OtherNames

Includes

Country Code SAAR Saudi Arabia

Lat.Deg 20 **Long.Deg** 41 **Dec.Lat** 20.1141667 **StateProvince**

Lat.Min 6 **Long.Min** 33 **Dec.Long** 41.5655556

Lat.Sec 51 **Long.Sec** 56

OreMmt 0.35 **CuGrade%** 1.69 **CoGrade%** **AgGradeppm** 22.7

CuMmt .005915

Subtype Redbed Cu

Age U. Proterozoic **Ma** 800 **Unit** Ablah Gr

HostRocks Feldspathic sandstone

HangingwallBeds Quartz sericite schist

FootwallRocks Quartz sericite schist

Mineralogy malachite chrysocolla, tennorite, and chalcocite

TraceMinerals

Comments

Reference Timothy Hayes, written commun., 2001

Worl, R., and Flanigan, V.J., 1976, The Jabal Murryyi copper prospect, Al Aqiq quadrangle, sheet 20-41D, Kingdom of Saudi Arabia: U.S. Geological Survey Saudi Arabian Project Report 212, 18 p.

Johnson, P.R. and Vranas, G.J., 1984, The geotectonic environment of Late Proterozoic mineralization in the southern Arabian Shield: Precambrian Research, v. 25, p. 329-348.

DepositID 367 **Cont** ME **NameDeposit** Umm ar Rummf

OtherNames Um ar Rumf

Includes

Country Code SAAR Saudi Arabia

Lat.Deg 19 **Long.Deg** 41 **Dec.Lat** 19.1588889 **StateProvince**

Lat.Min 9 **Long.Min** 22 **Dec.Long** 41.38

Lat.Sec 32 **Long.Sec** 48

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**
CuMmt

Subtype Uncl.

Age U. Proterozoic **Ma** 800 **Unit** Ablah Gr

HostRocks Feldspathic, chloritic, ankeritic quartzite

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, pyrite, sphalerite, galena. Chlorite, ankerite,

TraceMinerals

Comments 3 holes drilled in 1978-79. Intercepts: 4.2 m of 0.375% Cu and 20 g/t Ag; 6.25 m of 0.366% Cu and 11 g/t Ag. 640 m outcropped strike length

Reference Timothy Hayes, written commun., 2001

Mawad, M.M, 1982, Mineral Reconnaissance of the area between Wadi yiba and Wadi Qanunah, Kingdom of Saudi Arabia: Saudi Arabian Deputy Ministry for Mineral Resources Open-File Report USGS-OF-02-53, 26 p.

Johnson, P.R. and Vranas, G.J., 1984, The geotectonic environment of Late Proterozoic mineralization in the southern Arabian Shield: Precambrian Research, v. 25, p. 329-348.

DepositID 368 **Cont** ME **NameDeposit** Wadi Yiba

OtherNames

Includes

Country Code SAAR Saudi Arabia

Lat.Deg 19 **Long.Deg** 41 **Dec.Lat** 19.1561111 **StateProvince**

Lat.Min 9 **Long.Min** 48 **Dec.Long** 41.8158333

Lat.Sec 22 **Long.Sec** 57

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U. Proterozoic **Ma** 800 **Unit** Ablah Gr

HostRocks Albite-chlorite hornfels

HangingwallBeds Hematitic quartz-sericite-chlorite-ankerite schists

FootwallRocks Hematitic quartz-sericite-chlorite-ankerite schists

Mineralogy Malachite chrysocolla, and chalcocite

TraceMinerals bornite

Comments 1.2 km at thickness averaging 1.1 m; tested with 9 holes in 1968; best intercept was in dolomitic marble: true thickness 3.0 m @ 6.8% Cu and 31 g/t Ag

Reference Timothy Hayes, written commun., 2001

Earhart, R.L., 1969, Report on exploration of the Wadi Yiba copper prospect, Tihamat Ash Sham Quadrangle, Kingdom of Saudi Arabia: U.S. Geological Survey Saudi Arabian Project Report 108, 42 p.

Davis, W.E., and Akhrass, M.N., 1967, Preliminary geophysical investigation of the Wadi Yiba copper prospect, Saudi Arabia: U.S. Geological Survey Saudi Arabian Project Technical Letter 96, 4 p.

Johnson, P.R. and Vranas, G.J., 1984, The geotectonic environment of Late Proterozoic mineralization in the southern Arabian Shield: Precambrian Research, v. 25, p. 329-348.

DepositID 369 **Cont** ME **NameDeposit** Al Mehdadah

OtherNames

Includes

Country Code SAAR Saudi Arabia

Lat.Deg 19 **Long.Deg** 41 **Dec.Lat** 19.1266667 **StateProvince**

Lat.Min 7 **Long.Min** 48 **Dec.Long** 41.81

Lat.Sec 36 **Long.Sec** 36

OreMmt 0.45 **CuGrade%** 1.1 **CoGrade%** **AgGradeppm** 7

CuMmt .00495

Subtype Uncl.

Age U. Proterozoic **Ma** 800 **Unit** Ablah Gr

HostRocks quartz-sericite-biotite-garnet schist

HangingwallBeds Hematitic quartz-sericite-chlorite-ankerite schists

FootwallRocks Hematitic quartz-sericite-chlorite-ankerite schists

Mineralogy Pyrite, pyrrhotite, chalcopyrite, sphalerite, magnetite.

TraceMinerals galena

Comments 6 diamond drillholes demonstrated 0.45 Mt at 1.1% Cu, 7 g/t Ag, and 0.6 g/t Au to a vertical depth of 100 m. Rock in excess of 1% Cu has strike length of 250 m

Reference Timothy Hayes, written commun., 2001

Sanders, R.N. 1983, Mineral potential of the Al Mehdadah prospect (19/41D): Saudi Arabian Deputy Ministry for Mineral Resources Open-File Report DGMR-OF-03-27, 32 p.

DepositID 370 **Cont** ME **NameDeposit** Al Munayzir

OtherNames Sharbon, Sarbon

Includes

Country Code SAAR Saudi Arabia

Lat.Deg 18 **Long.Deg** 41 **Dec.Lat** 18.9472222 **StateProvince**

Lat.Min 56 **Long.Min** 55 **Dec.Long** 41.9175

Lat.Sec 50 **Long.Sec** 3

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U. Proterozoic **Ma** 800 **Unit** Ablah Gr

HostRocks Feldspathic quartzite, cross-bedded

HangingwallBeds

FootwallRocks Quartz-sericite-chlorite schist

Mineralogy Malachite, chrysocolla

TraceMinerals Chalcocite

Comments 15 m strike length. 3 m true thickness at 0.33% Cu, 8 g/t Ag.

Reference Timothy Hayes, written commun., 2001

Parker, T.W.H., and Smith, G.H., 1980, An assessment of the stratiform copper potential of the Ablah Synform: Saudi Arabian Deputy Ministry for Mineral Resources Technical Record RF-TR-01-1, 47 p.

Johnson, P.R. and Vranas, G.J., 1984, The geotectonic environment of Late Proterozoic mineralization in the southern Arabian Shield: Precambrian Research, v. 25, p. 329-348.

DepositID 371 **Cont** ME **NameDeposit** Jabal Sa'aban

OtherNames Sharbon, Sarbon

Includes

Country Code SAAR Saudi Arabia

Lat.Deg 18 **Long.Deg** 41 **Dec.Lat** 18.8780556 **StateProvince**

Lat.Min 52 **Long.Min** 56 **Dec.Long** 41.9436111

Lat.Sec 41 **Long.Sec** 37

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**
CuMmt

Subtype Uncl.

Age U. Proterozoic **Ma** 800 **Unit** Ablah Gr

HostRocks Quartz-biotite-garnet schist

HangingwallBeds

FootwallRocks Quartzite, biotite schist, amphibolitic schist

Mineralogy Pyrite, pyrrhotite, sphalerite, chalcopyrite

TraceMinerals

Comments 2 holes drilled. Best intercept was 2.54 m at 0.91% Cu and 6.05 g/t Ag underlain by 4.0 m at 2.52% Zn

Reference Timothy Hayes, written commun., 2001

Earhart, R.L., 1968, A preliminary investigation of a copper occurrence at Jabal Sarbon, Tihamat Ash Sham Quadrangle, Kingdom of Saudi Arabia: U.S. Geological Survey Saudi Arabian Project Technical Letter 102, 11 p.

Sanders, R.N., Tedder, I.J., Ford, C.R., and Circosta, G.B., 1980, Stratiform copper search in the southern Ablah graben. Unpublished Utah Saudi Arabia Report No. 331, 112 p.

Last, B.J., and Basahel, M., 1983, Jabal Sa'aban prospect; magnetic and VLF electromagnetic surveys: Saudi Arabian Deputy Ministry for Mineral Resources Open-File Report DGMR-OF-04-10, 20 p.

Johnson, P.R. and Vranas, G.J., 1984, The geotectonic environment of Late Proterozoic mineralization in the southern Arabian Shield: Precambrian Research, v. 25, p. 329-348.

DepositID 372 **Cont** ME **NameDeposit** Wadi Baqarah

OtherNames RR Horizon, Wadi Hali

Includes

Country Code SAAR Saudi Arabia

Lat.Deg 18 **Long.Deg** 41 **Dec.Lat** 18.7811111 **StateProvince**

Lat.Min 46 **Long.Min** 57 **Dec.Long** 41.9577778

Lat.Sec 52 **Long.Sec** 28

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U. Proterozoic **Ma** 800 **Unit** Ablah Gr

HostRocks Metasandstone, crossbedded

HangingwallBeds

FootwallRocks

Mineralogy Malachite and copper pitch

TraceMinerals

Comments

Reference Timothy Hayes, written commun., 2001

Sanders, R.N., Tedder, I.J., Ford, C.R., and Circosta, G.B., 1980, Stratiform copper search in the southern Ablah graben: Unpublished Utah Saudi Arabia Report 331, 112 p.

Johnson, P.R. and Vranas, G.J., 1984, The geotectonic environment of Late Proterozoic mineralization in the southern Arabian Shield: Precambrian Research, v. 25, p. 329-348.

DepositID 373 **Cont** ME **NameDeposit** South Wadi Baqarah

OtherNames GT Horizon, Wadi Hali

Includes

Country Code SAAR Saudi Arabia

Lat.Deg 18 **Long.Deg** 41 **Dec.Lat** 18.7394444 **StateProvince**

Lat.Min 44 **Long.Min** 58 **Dec.Long** 41.9711111

Lat.Sec 22 **Long.Sec** 16

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age U. Proterozoic **Ma** 800 **Unit** Ablah Gr

HostRocks Dolomitic marble

HangingwallBeds

FootwallRocks

Mineralogy Malachite, chalcocite

TraceMinerals

Comments Maximum thickness of bed about 1.2 m. Grade: typically 0.25% Cu. highest 1 m sample: 1.4% Cu

Reference Timothy Hayes, written commun., 2001

Sanders, R.N., Tedder, I.J., Ford, C.R., and Circosta, G.B., 1980, Stratiform copper search in the southern Ablah graben: Unpublished Utah Saudi Arabia Report 331, 112 p.

Johnson, P.R. and Vranas, G.J., 1984, The geotectonic environment of Late Proterozoic mineralization in the southern Arabian Shield: Precambrian Research, v. 25, p. 329-348.

DepositID 374 **Cont** ME **NameDeposit** Wadi Raysh

OtherNames

Includes

Country Code SAAR Saudi Arabia

Lat.Deg 18 **Long.Deg** 42 **Dec.Lat** 18.6833333 **StateProvince**

Lat.Min 41 **Long.Min** **Dec.Long** 42

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age U. Proterozoic **Ma** 800 **Unit** Ablah Gr

HostRocks Calcareous green chlorite-sericite schist , dolomitic marble.

HangingwallBeds

FootwallRocks

Mineralogy Malachite and chrysacolla

TraceMinerals Chalcocite

Comments best-mineralized layer only 10 cm thick and locally up to 8.4% Cu.

Reference Timothy Hayes, written commun., 2001

Parker, T.W.H., and Smith, G.H., 1980, An assessment of the stratiform copper potential of the Ablah Synform: Saudi Arabian Deputy Ministry for Mineral Resources Technical Record RF-TR-01-1, 47 p.

Johnson, P.R. and Vranas, G.J., 1984, The geotectonic environment of Late Proterozoic mineralization in the southern Arabian Shield: Precambrian Research, v. 25, p. 329-348.

DepositID 375 **Cont** ME **NameDeposit** Wadi Shinika

OtherNames Jabal Sawdah

Includes

Country Code SAAR Saudi Arabia

Lat.Deg 18 **Long.Deg** 42 **Dec.Lat** 18.4588889 **StateProvince**

Lat.Min 27 **Long.Min** 01 **Dec.Long** 42.0186111

Lat.Sec 32 **Long.Sec** 07

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age U. Proterozoic **Ma** 800 **Unit** Ablah Gr

HostRocks Dolomitic marble

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, malachite, copper pitch

TraceMinerals

Comments Bottom 10 cm of bed: 6.5% Cu. Bed is typically 40 cm thick. Grade over 41 cm true thickness: 1.8% Cu, 10 g/t Ag.

Reference Timothy Hayes, written commun., 2001

Sanders, R.N., Tedder, I.J., Ford, C.R., and Circosta, G.B., 1980, Stratiform copper search in the southern Ablah graben: Unpublished Utah Saudi Arabia Report 331, 112 p.

Johnson, P.R. and Vranas, G.J., 1984, The geotectonic environment of Late Proterozoic mineralization in the southern Arabian Shield: Precambrian Research, v. 25, p. 329-348.

DepositID 376 Cont NA NameDeposit Ladderbjerg

OtherNames

Includes

Country Code GRLD Greenland

Lat.Deg 73 Long.Deg -22 Dec.Lat 73.4958333 StateProvince

Lat.Min 29 Long.Min -01 Dec.Long -22.0291667

Lat.Sec 45 Long.Sec -45

OreMmt 2.5 CuGrade% 0.15 CoGrade% AgGradeppm

CuMmt .00375

Subtype Redbed Cu

Age Permian Ma 260 Unit Huledal Fm.

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Harpoth, O., Pederson, J.L., Schonwandt, H.K., and Thomasson, B., 1986, The mineral occurrences of central East Greenland: Meddeleser om Gronland, Geoscience, v. 17, 139 p.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 377 **Cont** NA **NameDeposit** Brodeur Peninsula

OtherNames

Includes

Country Code CNWT Canada

Lat.Deg 73 **Long.Deg** -86 **Dec.Lat** 73.8 **StateProvince** Northwest Territories

Lat.Min 47 **Long.Min** 0 **Dec.Long** -86

Lat.Sec 60 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Middle Silurian (Niagaran) **Ma** 420 **Unit** Cape Crauford Formation,

HostRocks Breccias (microcrystalline dolomite and limest)

HangingwallBeds

FootwallRocks

Mineralogy Malachite, bitumin

TraceMinerals

Comments Breccias formed by solution of originally interlaminated evaporites

Reference Trettin, H.P., 1969, Lower Palaeozoic Sediments of North Western Baffin Island District of Franklin: Geological Survey of Canada, Bulletin 157, p. 35-49.

DepositID 378 **Cont** NA **NameDeposit** Rubjerg Knude

OtherNames

Includes

Country Code GRLD Greenland

Lat.Deg 72 **Long.Deg** -23 **Dec.Lat** 72.6172222 **StateProvince**

Lat.Min 37 **Long.Min** -40 **Dec.Long** -23.6805556

Lat.Sec 02 **Long.Sec** -50

OreMmt 5 **CuGrade%** 0.3 **CoGrade%** **AgGradeppm**

CuMmt .015

Subtype Redbed Cu

Age U. Permian **Ma** 260 **Unit** Huledal Fm.

HostRocks Conglomerate, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains Cu, Ag, Pb, Zn

Reference Harpoth, O., Pederson, J.L., Schonwandt, H.K., and Thomasson, B., 1986, The mineral occurrences of central East Greenland: Meddelesser om Gronland, Geoscience, v. 17, 139 p.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 379 **Cont** NA **NameDeposit** Kent Peninsula-1

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 68 **Long.Deg** -108 **Dec.Lat** 68.2 **StateProvince** Northwest Territories

Lat.Min 12 **Long.Min** -10 **Dec.Long** -108.183056

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Proterozoic (Helikian) **Ma** 1000 **Unit** Parry Bay Fm.

HostRocks Black mudstone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Formation mainly made up of doloarenite, dolosiltite, stromatolitic dolomite

Reference Campbell, F.H., 1978, Geology of the Helikian Rocks of the Bathurst Inlet Area, Coronation Gulf, Northwest Territories: in Current Research, Part A, Geological Survey of Canada, Paper 78-1, p. 97-106.

DepositID 380 **Cont** NA **NameDeposit** Escape Rapids (esc 37, 38)

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 67 **Long.Deg** -115 **Dec.Lat** 67.5847222 **StateProvince** Northwest Territories

Lat.Min 35 **Long.Min** -32 **Dec.Long** -115.549722

Lat.Sec 5 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Proterozoic (hadrynian) **Ma** 800 **Unit** Rae Group, Coppermine River

HostRocks Grey glauconitic sandstone and black shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Rae Group overlies Coppermine River Group

Reference Kindle, E.D., 1972, Classification and description of copper deposits, Coppermine River Area, District of Mackenzie: Geological Survey of Canada, Bulletin 214, 109 p.

DepositID 381 **Cont** NA **NameDeposit** Bud 942-947

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 67 **Long.Deg** -115 **Dec.Lat** 67.5347222 **StateProvince** Northwest Territories

Lat.Min 32 **Long.Min** -53 **Dec.Long** -115.895556

Lat.Sec 5 **Long.Sec** -44

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Middle Proterozoic **Ma** 1000 **Unit** Rae Group

HostRocks Sandst, qtzite, siltst, pebble conglom, mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Baragar, W.R.A., and Donaldson, J.A., 1973, Coppermine and Dismal Lakes Map-Areas: Geological Survey of Canada, Paper 71-39, 20 p.

DepositID 382 **Cont** NA **NameDeposit** Dumas Lake

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 66 **Long.Deg** -116 **Dec.Lat** 66.4988889 **StateProvince** Northwest Territories

Lat.Min 29 **Long.Min** -12 **Dec.Long** -116.2

Lat.Sec 56 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Lower Proterozoic **Ma** 1900 **Unit** Dumas Group

HostRocks Qtz wacke, maroon mudst, lithic wacke, conglom

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Host rocks represent lacustrine and fluvial red bed sequence. Cu-Ag-Pb-U

Reference Gosse, M. and Sawiuk, M., 1986, Sediment-Hosted Stratabound Copper Mineralization in the Early Proterozoic Great Bear Magmatic Zone: Royal School of Mines Journal 1986, No. 36, p. 13-18.

DepositID	383	Cont	NA	NameDeposit	Cc Lake
OtherNames					
Includes					
Country Code	CNNT	Canada			
Lat.Deg	65	Long.Deg	-118	Dec.Lat	65.4094444
Lat.Min	24	Long.Min	-52	Dec.Long	-118.876389
Lat.Sec	34	Long.Sec	-35		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Uncl.				
Age	Paleozoic (Cambrian?)			Ma	540
				Unit	Saline River Fm.
HostRocks	Sandstone				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					
Reference	Anon, 1982, Noranda Company Officials personal communication .				

DepositID 384 **Cont** NA **NameDeposit** Tawu Anticline

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 65 **Long.Deg** -131 **Dec.Lat** 65.3166667 **StateProvince** Northwest Territories

Lat.Min 19 **Long.Min** -41 **Dec.Long** -131.699722

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Proterozoic **Ma** 1000 **Unit** Tsezotene Formation

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Malachite and azurite

TraceMinerals

Comments

Reference Aitken, J.D., Cook, D.G., and Yorath,C.J., 1982, Upper Ramparts River (106g) and Sans Sault Rapids (106h) Map Areas, District of Mackenzie: Geological Survey of Canada, Memoir 388, 48 p.

DepositID 385 **Cont** NA **NameDeposit** Hottah Lake (fns)

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 64 **Long.Deg** -118 **Dec.Lat** 64.875 **StateProvince** Northwest Territories

Lat.Min 52 **Long.Min** -34 **Dec.Long** -118.583056

Lat.Sec 30 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Paleozoic (Ordovician?) **Ma** 450 **Unit**

HostRocks Bituminous dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kidd, D.F., 1936, Rae To Great Bear Lake, Mackenzie District, N.W.T.: Geological Survey of Canada, Memoir 187, 44 p.

DepositID 386 **Cont** NA **NameDeposit** Gillespie Lake

OtherNames

Includes

Country Code CNYT Canada

Lat.Deg 64 **Long.Deg** -133 **Dec.Lat** 64.7833333 **StateProvince** Yukon Territory

Lat.Min 46 **Long.Min** -55 **Dec.Long** -133.930833

Lat.Sec 60 **Long.Sec** -51

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Middle Proterozoic **Ma** 1000 **Unit** Gillespie Lake Group

HostRocks Dolosiltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Zn-Pb as coating on fracture surfaces intersecting laminated stromatolite

Reference Goodfellow, W.D., 1979, Geochemistry of copper lead and zinc mineralization in Proterozoic Rocks Near Gillespie Lake, Yukon: Geological Survey of Canada Paper 79-1a, p. 333-348.

DepositID 387 **Cont** NA **NameDeposit** Frank

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 63 **Long.Deg** -128 **Dec.Lat** 63.8758333 **StateProvince** Northwest Territories

Lat.Min 52 **Long.Min** -5 **Dec.Long** -128.096389

Lat.Sec 33 **Long.Sec** -47

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Upper Proterozoic **Ma** 1200 **Unit** Coppercap Fm., Mackenzie Mtns

HostRocks Dolostone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Ruelle, J.C.L., 1982, Depositional environments and genesis of stratiform copper deposits of the Redstone Copper Belt, Mackenzie Mountains, Nwt: in Precambrian Sulphide Deposits, Robinson Vol, Gac Special Paper 25,P 701.

DepositID 388 **Cont** NA **NameDeposit** June Creek

OtherNames Keele River

Includes

Country Code CNNT Canada

Lat.Deg 63 **Long.Deg** -127 **Dec.Lat** 63.8216667 **StateProvince** Northwest Territories

Lat.Min 49 **Long.Min** -58 **Dec.Long** -127.972222

Lat.Sec 18 **Long.Sec** -20

OreMmt 0.25 **CuGrade%** 3.4 **CoGrade%** **AgGradeppm**

CuMmt .0085

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 750 **Unit** Coppercap Fm.

HostRocks Algal dolostone

HangingwallBeds Cherty limestone

FootwallRocks Evaporite, stromatolitic dolomite, redbeds, mafic volcanics

Mineralogy Chalcopyrite, bornite, chalcocite, anhydrite

TraceMinerals

Comments

Reference Ruelle, J.C.L., 1982, Depositional environments and genesis of stratiform copper deposits of the Redstone copper belt, Mackenzie Mountains, N.W.T. *in* Hutchinson, C. D., Spence, C.D., and Franklin, J.M., Precambrian sulfide deposits: Geological Association of Canada Special Paper 25, p. 701-737

DepositID 389 Cont NA NameDeposit Nite

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 63 Long.Deg -128 Dec.Lat 63.8166667 StateProvince Northwest Territories

Lat.Min 49 Long.Min -11 Dec.Long -128.199722

Lat.Sec 0 Long.Sec -59

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Upper Proterozoic Ma 1000 Unit Coppercap Fm., Mackenzie Mtns

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Blusson, S.L., 1971, Sekwi Mountain Map-Area, Yukon Territory and District of Mackenzie: Geological Survey of Canada, Paper 71-22, 17 p.

DepositID 390 **Cont** NA **NameDeposit** Hutch East

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 63 **Long.Deg** -127 **Dec.Lat** 63.8166667 **StateProvince** Northwest Territories

Lat.Min 49 **Long.Min** -43 **Dec.Long** -127.716667

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Upper Proterozoic **Ma** 1200 **Unit** Coppercap Fm., Mackenzie Mtns

HostRocks Cryptalgal laminites

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Ruelle, J.C.L., 1982, Depositional environments and genesis of stratiform copper deposits of the Redstone Copper Belt, Mackenzie Mountains, Nwt: in Precambrian Sulphide Deposits, Robinson Vol, Gac Special Paper 25,P 701.

DepositID 391 **Cont** NA **NameDeposit** Fa gp-3, strat section bb 76-1

OtherNames

Includes Fa gp-2, strat section bb 76-1

Country Code CNNT Canada

Lat.Deg 63 **Long.Deg** -127 **Dec.Lat** 63.7877778 **StateProvince** Northwest Territories

Lat.Min 47 **Long.Min** -28 **Dec.Long** -127.466667

Lat.Sec 16 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Upper Proterozoic **Ma** 1200 **Unit** Rapitan Fm. and little Dal Fm.

HostRocks Siltstone, limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Gabrielse, H., 1973, Geology of Flat River, Glacier Lake, and Wrigley Lake Map-Areas, District of Mackenzie and Yukon Territory: Geological Survey of Canada, Memoir 366, Part I, 153 p. and Part II, 268 p.

DepositID 392 **Cont** NA **NameDeposit** Scholtes-2, 3, 4

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 63 **Long.Deg** -127 **Dec.Lat** 63.775 **StateProvince** Northwest Territories

Lat.Min 46 **Long.Min** -25 **Dec.Long** -127.433056

Lat.Sec 30 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Upper Proterozoic **Ma** 1200 **Unit** Coppercap Fm., Mackenzie Mtns

HostRocks Dolostone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Ruelle, J.C.L., 1982, Depositional environments and genesis of stratiform copper deposits of the Redstone Copper Belt, Mackenzie Mountains, Nwt: in Precambrian Sulphide Deposits, Robinson Vol, Gac Special Paper 25,P 701.

DepositID 393 Cont NA NameDeposit Jay

OtherNames Keele River

Includes

Country Code CNNT Canada

Lat.Deg 63 Long.Deg -127 Dec.Lat 63.7722222 StateProvince Northwest Territories

Lat.Min 46 Long.Min -49 Dec.Long -127.829722

Lat.Sec 20 Long.Sec -47

OreMmt 1.2 CuGrade%2.7 CoGrade% AgGradeppm

CuMmt .0324

Subtype Reduced facies Cu

Age U. Proterozoic Ma 750 Unit Coppercap Fm. Mackenzie Mtns

HostRocks Algal dolostone

HangingwallBeds Cherty limestone

FootwallRocks Evaporite, stromatolitic dolomite, redbeds, mafic volcanics

Mineralogy Chalcopyrite.bornite, chalcocite, anhydrite

TraceMinerals Pyrite

Comments

Reference Ruelle, J.C.L., 1982, Depositional environments and genesis of stratiform copper deposits of the Redstone copper belt, Mackenzie Mountains, N.W.T. *in* Hutchinson, C. D., Spence, C.D., and Franklin, J.M., Precambrian sulfide deposits: Geological Association of Canada Special Paper 25, p. 701-737.

Eisbacher, G.H., 1977, Tectono-Stratigraphic Framework of the Redstone Copper Belt District of Mackenzie: in Report of Activities, Part A, Geological Survey of Canada, Paper 77-1a, p. 229-234.

DepositID 394 **Cont** NA **NameDeposit** Lisa

OtherNames Keele River

Includes

Country Code CNNT Canada

Lat.Deg 63 **Long.Deg** -127 **Dec.Lat** 63.7222222 **StateProvince** Northwest Territories

Lat.Min 43 **Long.Min** -18 **Dec.Long** -127.303056

Lat.Sec 20 **Long.Sec** -11

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Upper Proterozoic **Ma** 1200 **Unit** Coppercap Fm., Mackenzie Mtns

HostRocks Cryptalgal laminites

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Ruelle, J.C.L., 1982, Depositional environments and genesis of stratiform copper deposits of the Redstone Copper Belt, Mackenzie Mountains, Nwt: in Precambrian Sulphide Deposits, Robinson Vol, Gac Special Paper 25,P 701.

DepositID 395 **Cont** NA **NameDeposit** Lucky Joe

OtherNames

Includes

Country Code CNYT Canada

Lat.Deg 63 **Long.Deg** -139 **Dec.Lat** 63.5833333 **StateProvince** Yukon Territory

Lat.Min 34 **Long.Min** -30 **Dec.Long** -139.5

Lat.Sec 60 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Lower Cambrian to middle Devonian **Ma** 480 **Unit** Nasina facies, Yukon cataclastic

HostRocks Quartz-muscovite and biotite schists

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Mo occurrences in very deformed and tectonically complex area.

Reference Morin, J.A., 1977, / Department of Indian and Northern Affairs, North of 60, Mineral Industry Report 1976, Egs 1977-1.

DepositID 396 **Cont** NA **NameDeposit** Hayhook

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 63 **Long.Deg** -127 **Dec.Lat** 63.4694444 **StateProvince** Northwest Territories

Lat.Min 28 **Long.Min** -4 **Dec.Long** -127.068333

Lat.Sec 10 **Long.Sec** -6

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Upper Proterozoic **Ma** 1000 **Unit** Redstone River Fm., Mackenzie

HostRocks Cryptalgal laminites

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Jefferson, C.W., 1978, Stratigraphy and sedimentology Upper Proterozoic Redstone Copper Belt-A Preliminary Report: Department of Indian and Northern Affairs, North of 60, Mineral Industry Report 1975 (Egs 1978-5).

DepositID 397 **Cont** NA **NameDeposit** Cap Mountain

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 63 **Long.Deg** -123 **Dec.Lat** 63.4222222 **StateProvince** Northwest Territories

Lat.Min 25 **Long.Min** -13 **Dec.Long** -123.224722

Lat.Sec 20 **Long.Sec** -29

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Upper Proterozoic (Helikian?) **Ma** 1400 **Unit**

HostRocks Ss, dolomitic siltstone, hematitic mudstones

HangingwallBeds

FootwallRocks

Mineralogy Malachite

TraceMinerals

Comments Malachite-from 1200ft below map unit 1 to 650 ft above base map unit 3

Reference Douglas, R.J., 1963, Dahadinni and Wrigley Map-Areas, District of Mackenzie, Northwest Territories: Geological Survey of Canada, Paper 62-33, 34 p.

DepositID 398 **Cont** NA **NameDeposit** 18 miles nw of Dal Lake

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 63 **Long.Deg** -127 **Dec.Lat** 63.2638889 **StateProvince** Northwest Territories

Lat.Min 15 **Long.Min** -2 **Dec.Long** -127.046944

Lat.Sec 50 **Long.Sec** -49

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Upper Proterozoic **Ma** 1000 **Unit** Rapitan Fm., little Dal Fm.

HostRocks Siltstone, slate, conglomerate, limestone, dlmt

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference , 1975, Copper Mineralization in Redstone River Area, Northwest Territories:
Geological Survey of Canada Open-File 298.

DepositID 399 Cont NA NameDeposit Ut Group-1

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 63 Long.Deg -127 Dec.Lat 63.2494444 StateProvince Northwest Territories

Lat.Min 14 Long.Min -1 Dec.Long -127.026111

Lat.Sec 58 Long.Sec -34

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Upper Proterozoic Ma 1200 Unit Rapitan Fm., little Dal Fm.

HostRocks Siltstone, slate, conglomerate, limestone, dlmt

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Gabrielse, H., 1973, Geology of Flat River, Glacier Lake, and Wrigley Lake Map-Areas, District of Mackenzie and Yukon Territory: Geological Survey of Canada, Memoir 366, Part I, 153 p. and Part II, 268 p.

DepositID 400 **Cont** NA **NameDeposit** Sh Group-5

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 63 **Long.Deg** -126 **Dec.Lat** 63.1208333 **StateProvince** Northwest Territories

Lat.Min 7 **Long.Min** -52 **Dec.Long** -126.866667

Lat.Sec 15 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Upper Proterozoic **Ma** 1200 **Unit** Ropian Fm., little Dal Fm.

HostRocks Siltstone, slate, conglomerate, limestone, dlmt

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Gabrielse, H., 1973, Geology of Flat River, Glacier Lake, and Wrigley Lake Map-Areas, District of Mackenzie and Yukon Territory: Geological Survey of Canada, Memoir 366, Part I, 153 p. and Part II, 268 p.

DepositID 401 **Cont** NA **NameDeposit** Sh Group-3
OtherNames
Includes Jasper Valley, Sh Group-4
Country Code CNNT Canada
Lat.Deg 63 **Long.Deg** -126 **Dec.Lat** 63.1 **StateProvince** Northwest Territories
Lat.Min 6 **Long.Min** -53 **Dec.Long** -126.891389
Lat.Sec 0 **Long.Sec** -29
OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**
CuMmt
Subtype Reduced facies Cu
Age Upper Proterozoic **Ma** 1200 **Unit** Rapitan Fm., little Dal Fm.
HostRocks Siltstone, slate, conglomerate, limestone, dolom
HangingwallBeds
FootwallRocks
Mineralogy
TraceMinerals
Comments

Reference Gabrielse, H., 1973, Geology of Flat River, Glacier Lake, and Wrigley Lake Map-Areas, District of Mackenzie and Yukon Territory: Geological Survey of Canada, Memoir 366, Part I, 153 p. and Part II, 268 p.

DepositID 402 **Cont** NA **NameDeposit** Reg (central Redstone)

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 63 **Long.Deg** -126 **Dec.Lat** 63.05 **StateProvince** Northwest Territories

Lat.Min 2 **Long.Min** -46 **Dec.Long** -126.766667

Lat.Sec 60 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Upper Proterozoic **Ma** 1000 **Unit** Rapitan Fm.

HostRocks Siltstone, mudstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Gabrielse, H., 1973, Geology of Flat River, Glacier Lake, and Wrigley Lake Map-Areas, District of Mackenzie and Yukon Territory: Geological Survey of Canada, Memoir 366, Part I, 153 p. and Part II, 268 p.

DepositID 403 Cont NA NameDeposit Extension (kvale)

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 62 Long.Deg -126 Dec.Lat 62.8916667 StateProvince Northwest Territories

Lat.Min 53 Long.Min -36 Dec.Long -126.605278

Lat.Sec 30 Long.Sec -19

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Upper Proterozoic Ma 1000 Unit Redstone River Fm., Mackenzie

HostRocks Siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Anon, 1962, Redstone Mines Ltd. Map No. 95-L-15 Central Permit Area, Department of Indian Affairs and Northern Development, Assessment Reports.

DepositID 404 Cont NA NameDeposit Coates Lake

OtherNames Redstone

Includes

Country Code CNNT Canada

Lat.Deg 62 Long.Deg -126 Dec.Lat 62.6941667 StateProvince Northwest Territories

Lat.Min 41 Long.Min -37 Dec.Long -126.62

Lat.Sec 39 Long.Sec -12

OreMmt 37 CuGrade% 3.9 CoGrade% AgGradeppm 11.3

CuMmt 1.443

Subtype Reduced facies Cu

Age U. Proterozoic Ma 750 Unit Coppercap FM.

HostRocks Algal laminated dolomite, fine sandstone, siltstone

HangingwallBeds Cherty limestone

FootwallRocks Evaporite, stromatolitic dolomite, redbeds, mafic volcanics

Mineralogy Chalcocite, bornite, chalcopyrite, anhydrite,pyrite

TraceMinerals Covellite, galena, tennantite

Comments Sabkha, mud flat, and restricted basin facies

Reference Ruelle, J.C.L., 1982, Depositional environments and genesis of stratiform copper deposits of the Redstone Copper Belt, Mackenzie Mountains, N.W.T. *in* Hutchinson, C.D., Spence, C.D., and Franklin, J.M., Precambrian sulfide deposits: Geological Association of Canada Special Paper 25, p. 701-737

Lustwerl, R.L. and Wasserman, M.D.. 1989, Water escape structures in the Coates Lake Group, Northwest Territories, Canada and their relationship to mineralization at the Redstone stratiform copper deposit *in* Boyle, R.W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36, p. 207-224

DepositID 405 **Cont** NA **NameDeposit** Thundercloud Creek

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 62 **Long.Deg** -126 **Dec.Lat** 62.6680556 **StateProvince** Northwest Territories

Lat.Min 40 **Long.Min** -37 **Dec.Long** -126.633056

Lat.Sec 5 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Upper Proterozoic **Ma** 1000 **Unit** Redstone River Fm.

HostRocks Pink slaty siltstone, minor shale, gypsum

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Gabrielse, H., 1973, Geology of Flat River, Glacier Lake, and Wrigley Lake Map-Areas, District of Mackenzie and Yukon Territory: Geological Survey of Canada, Memoir 366, Part I, 153 p. and Part II, 268 p.

DepositID 406 **Cont** NA **NameDeposit** Y-12

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 62 **Long.Deg** -98 **Dec.Lat** 62.5694444 **StateProvince** Northwest Territories

Lat.Min 34 **Long.Min** -48 **Dec.Long** -98.8061111

Lat.Sec 10 **Long.Sec** -22

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Proterozoic (Aphebian) **Ma** 2000 **Unit** Kazan Fm.

HostRocks Quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Anon, 1982, Noranda Company officials personal communication .

DepositID 407 **Cont** NA **NameDeposit** Thundercloud Range

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 62 **Long.Deg** -126 **Dec.Lat** 62.5130556 **StateProvince** Northwest Territories

Lat.Min 30 **Long.Min** -12 **Dec.Long** -126.211944

Lat.Sec 47 **Long.Sec** -43

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Upper Proterozoic **Ma** 1000 **Unit** Rapitan Group, Whittaker

HostRocks Mudstone, siltstone, conglomerate, ss, dolomite, limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu likely associated with Rapitan Group, Whittaker Fm., Ordovician-Silurian Age

Reference Gabrielse, H., 1973, Geology of Flat River, Glacier Lake, and Wrigley Lake Map-Areas, District of Mackenzie and Yukon Territory: Geological Survey of Canada, Memoir 366, Part I, 153 p. and Part II, 268 p.

DepositID 408 **Cont** NA **NameDeposit** Stark Lake-Wilson Lake

OtherNames

Includes

Country Code CNNT Canada

Lat.Deg 62 **Long.Deg** -110 **Dec.Lat** 62.4666667 **StateProvince** Northwest Territories

Lat.Min 28 **Long.Min** -9 **Dec.Long** -110.158056

Lat.Sec 0 **Long.Sec** -29

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Lower Proterozoic (Aphebian) **Ma** 2000 **Unit** Stark Fm., Great Slave Group

HostRocks Light grey dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Along a strike length of 1200 ft

Reference Mcglynn, J.C., 1971, Metallic Mineral Industry, District of Mackenzie, Northwest Territories: Geological Survey of Canada, Paper 70-17, 194 p.

DepositID 409 **Cont** NA **NameDeposit** Flat River

OtherNames

Includes

Country Code CNYT Canada

Lat.Deg 61 **Long.Deg** -127 **Dec.Lat** 61.2666667 **StateProvince** Yukon Territory

Lat.Min 16 **Long.Min** -4 **Dec.Long** -127.083056

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Cambrian **Ma** 540 **Unit** Phyllite unit

HostRocks Phyllite, slate, quartzite, siltstone, argillite

HangingwallBeds

FootwallRocks

Mineralogy Bornite

TraceMinerals

Comments

Reference Gabrielse, H., 1973, Geology of Flat River, Glacier Lake, and Wrigley Lake Map-Areas, District of Mackenzie and Yukon Territory: Geological Survey of Canada, Memoir 366, Part I, 153 p. and Part II, 268 p.

DepositID 410 **Cont** NA **NameDeposit** Ennadai Lake

OtherNames Nueltin project

Includes

Country Code CNNT Canada

Lat.Deg 60 **Long.Deg** -101 **Dec.Lat** 60.6138889 **StateProvince** Northwest Territories

Lat.Min 36 **Long.Min** -12 **Dec.Long** -101.2

Lat.Sec 50 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Lower Proterozoic (Aphebian) **Ma** 2000 **Unit** Hurwitz Group

HostRocks Greywacke

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Greywacke derived from quartz-mica schist

Reference Wright, G.M., 1967, Geology of the Southeastern Barren Grounds, Parts of the Districts of Mackenzie and Keewatin (Operations Keewatin Baker the lon): Geological Survey of Canada Memoir 350.

DepositID 411 **Cont** NA **NameDeposit** Poorfish Lake(Nueltin project)

OtherNames Nueltin projec

Includes

Country Code CNNT Canada

Lat.Deg 60 **Long.Deg** -100 **Dec.Lat** 60.1855556 **StateProvince** Northwest Territories

Lat.Min 11 **Long.Min** -31 **Dec.Long** -100.523333

Lat.Sec 8 **Long.Sec** -24

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Lower Proterozoic (Aphebian) **Ma** 2000 **Unit** Hurwitz Group

HostRocks Argillite, phyllite, greywacke, minor dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Lithologies given form the oldest unit of the Hurwitz Group. Contains Au, Ag.

Reference Wright, G.M., 1967, Geology of the Southeastern Barren Grounds, Parts of the Districts of Mackenzie and Keewatin (Operations Keewatin Baker the lon): Geological Survey of Canada Memoir 350.

DepositID 412 **Cont** NA **NameDeposit** Ramah

OtherNames Blow-Me-Down Mountain

Includes

Country Code CNNF Canada

Lat.Deg 58 **Long.Deg** -63 **Dec.Lat** 58.7388889 **StateProvince** Newfoundland

Lat.Min 44 **Long.Min** -6 **Dec.Long** -63.1141667

Lat.Sec 20 **Long.Sec** -51

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Proterozoic (NeoHelikian) **Ma** 1000 **Unit** Ramah Group

HostRocks Slate, quartzite, mica schist, arkose, conglomerate, dlmt

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V., 1985, Personal Communication: Geological Survey of Canada, 1985.

DepositID	413	Cont	NA	NameDeposit	Callison
OtherNames					
Includes					
Country Code	CNBC	Canada			
Lat.Deg	58	Long.Deg	-124	Dec.Lat	58.3391667
Lat.Min	20	Long.Min	-32	Dec.Long	-124.541944
Lat.Sec	21	Long.Sec	-31		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Uncl.				
Age	Proterozoic	Ma	1000	Unit	Tuchodi Fm.
HostRocks	Feldspathic quartzites				
HangingwallBeds					
FootwallRocks					
Mineralogy	Chalcopyrit				
TraceMinerals					
Comments	Occurrence within 5000-ft of feldspathic quartzite and argillaceous dolomites				
Reference	Preto, V.A., 1972, Lode Copper Deposits of the Racing River-Cataga River Area: British Columbia, Geology, Exploration and Mining, (Gem 1971).				

DepositID 414 **Cont** NA **NameDeposit** Nekweaga Bay

OtherNames

Includes

Country Code CNSA Canada

Lat.Deg 57 **Long.Deg** -103 **Dec.Lat** 57.7833333 **StateProvince** Saskatchewan

Lat.Min 46 **Long.Min** -43 **Dec.Long** -103.733056

Lat.Sec 60 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Lower Proterozoic (Aphebian) **Ma** 2000 **Unit**

HostRocks Grey meta-quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Pyke, M.W., 1967, Occurrences of base metal mineralization along the Wollaston-Sandfly Lakes Trend: Unpublished Paper, Industrial Exposition and Mineral Symposium Regina 1967, Saskatchewan Dept of Industry and Commerce.

DepositID 415 **Cont** NA **NameDeposit** Johnson Lake area

OtherNames

Includes

Country Code CNSA Canada

Lat.Deg 57 **Long.Deg** -104 **Dec.Lat** 57.4583333 **StateProvince** Saskatchewan

Lat.Min 27 **Long.Min** -10 **Dec.Long** -104.169167

Lat.Sec 30 **Long.Sec** -9

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Lower Proterozoic (Aphebian) **Ma** 2000 **Unit**

HostRocks Quartzite

HangingwallBeds

FootwallRocks

Mineralogy Galena

TraceMinerals

Comments Galena (minor Cu) along metasediment-granitic contact for 17000(?) ft. Pb-Zn-Cu-Ag

Reference Rath, U., 1969, Base metal occurrences in the Wollaston Lake Belt of Northern Saskatchewan: Canadian Institute of Mining and Metallurgy Bulletin, Vol. 62, No. 689.

DepositID 416 **Cont** NA **NameDeposit** Rafuse Lake

OtherNames

Includes Wollaston Lake Fold Belt

Country Code CNSA Canada

Lat.Deg 56 **Long.Deg** -104 **Dec.Lat** 56.9083333 **StateProvince** Saskatchewan

Lat.Min 54 **Long.Min** -56 **Dec.Long** -104.943056

Lat.Sec 30 **Long.Sec** -35

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Lower Proterozoic (Aphebian) **Ma** 2000 **Unit** Daly Lake Group

HostRocks Meta-conglomerate

HangingwallBeds

FootwallRocks

Mineralogy chalcocite, native Cu, galena, chalcocite, malachite, azurite

TraceMinerals

Comments Cu-Pb mineralization quite likely stratiform

Reference Coombe, W., 1977, La Ronge-Wollaston Belts base metals project George Hill, Johnson and Kaz Lakes and Geikie River Areas: in Summary of Investigations 1977, Saskatchewan Geological Survey, p. 85-104.

Kirkham, R.V., 1974, A Synopsis of Canadian stratiform copper deposits in sedimentary sequences: Centenaire De La Societe Geologique De Belgique, Gisements Stratiformes Et Provinces Cupriferes, Liege 1974, p. 367-382.

DepositID 417 **Cont** NA **NameDeposit** Juno Lake

OtherNames

Includes

Country Code CNSA Canada

Lat.Deg 56 **Long.Deg** -104 **Dec.Lat** 56.8772222 **StateProvince** Saskatchewan

Lat.Min 52 **Long.Min** -54 **Dec.Long** -104.915833

Lat.Sec 38 **Long.Sec** -57

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Lower Proterozoic (Aphebian) **Ma** 2000 **Unit** Daly Lake Group

HostRocks Meta-arkose

HangingwallBeds

FootwallRocks

Mineralogy Covellite, chalcocite, bornite, malachite, ilmenite, hematite, spinel

TraceMinerals

Comments

Reference Coombe, W., 1977, La Ronge-Wollaston Belts base metals project George Hill, Johnson and Kaz Lakes and Geikie River Areas: in Summary of Investigations 1977, Saskatchewan Geological Survey, p. 85-104.

DepositID 418 **Cont** NA **NameDeposit** Janice Lake

OtherNames

Includes Kaz Lake

Country Code CNSA Canada

Lat.Deg 56 **Long.Deg** -104 **Dec.Lat** 56.875 **StateProvince** Saskatchewan

Lat.Min 52 **Long.Min** -58 **Dec.Long** -104.973333

Lat.Sec 30 **Long.Sec** -24

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Lower Proterozoic (Aphebian) **Ma** 2000 **Unit** Daly Lake Group

HostRocks Meta-conglomerate (ss pebbles in arkose matri

HangingwallBeds

FootwallRocks

Mineralogy Native Cu, chalcocite with trace marcasite-azurite-chalcocite-chalcopyrite-bornite

TraceMinerals

Comments

Reference Rath, U., 1969, Base metal occurrences in the Wollaston Lake Belt of Northern Saskatchewan: Canadian Institute of Mining and Metallurgy Bulletin, Vol. 62, No. 689.

Coombe, W., 1977, La Ronge-Wollaston Belts base metals project George Hill, Johnson and Kaz Lakes and Geikie River Areas: in Summary of Investigations 1977, Saskatchewan Geological Survey, p. 85-104.

DepositID 419 Cont NA NameDeposit Swampy Bay River
OtherNames
Includes
Country Code CNQU Canada
Lat.Deg 56 Long.Deg -68 Dec.Lat 56.6555556 StateProvince Quebec
Lat.Min 39 Long.Min -34 Dec.Long -68.5830556
Lat.Sec 20 Long.Sec -59

OreMmt CuGrade% CoGrade% AgGradeppm
CuMmt
Subtype Uncl.

Age Lower Proterozoic Ma 1900 Unit Dunphy Formation
HostRocks Dolomite
HangingwallBeds
FootwallRocks
Mineralogy

TraceMinerals

Comments

Reference Cheve, S.R., Schrijver, K. and Tasse, N., 1985, Cryptalgalaminite Dolomite of the Dunphy Formation, Labrador Trough: Diagenetic and Tectono-Metamorphic Evolution Related to Copper Mineralization: Canadian Jour. of Earth Sciences, Vol. 22, p. 1835.

DepositID 420 **Cont** NA **NameDeposit** Richmond Gulf-1

OtherNames

Includes

Country Code CNQU Canada

Lat.Deg 56 **Long.Deg** -76 **Dec.Lat** 56.4416667 **StateProvince** Quebec

Lat.Min 26 **Long.Min** -25 **Dec.Long** -76.4330556

Lat.Sec 30 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Proterozoic (Upper Aphebian) **Ma** 1900 **Unit** Nastapoka Group

HostRocks Carbonate, quartz arenite, arkose, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Carbonate with intercalated 4 metere thick pyritic breccia zone

Reference Chandler, F.W., 1978, Geological Environment of Aphebian Red Beds of the North Half of Richmond Gulf New Quebec: in Current Research Part A, Geological Survey of Canada, Paper 78-1a, p. 107-110.

DepositID 421 **Cont** NA **NameDeposit** Richmond Gulf-3

OtherNames

Includes

Country Code CNQU Canada

Lat.Deg 56 **Long.Deg** -76 **Dec.Lat** 56.4055556 **StateProvince** Quebec

Lat.Min 24 **Long.Min** -27 **Dec.Long** -76.4636111

Lat.Sec 20 **Long.Sec** -49

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Proterozoic (Upper Aphebian) **Ma** 1900 **Unit** Nastapoka Group

HostRocks Dolomite, quartz arenite, arkose, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Carbonate with intercalated 4 meter thick pyritic breccia zone. Cu-Co

Reference Chandler, F.W., 1979, Geology of the Aphebian Supracrustal Rocks Lac Guillaume, Delisle, Quebec: Geological Survey of Canada, Open-File 600 (Two Bedrock Geological Maps Scale 1 To 50000).

DepositID 422 **Cont** NA **NameDeposit** Romanet River

OtherNames Canada Tungsten

Includes

Country Code CNQU Canada

Lat.Deg 56 **Long.Deg** -67 **Dec.Lat** 56.3933333 **StateProvince** Quebec

Lat.Min 23 **Long.Min** -53 **Dec.Long** -67.8941667

Lat.Sec 36 **Long.Sec** -39

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Lower Proterozoic **Ma** 1900 **Unit** Dunphy Formation

HostRocks Dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Cheve, S.R., Schrijver, K. and Tasse, N., 1985, Cryptalgaminite Dolomite of the Dunphy Formation, Labrador Trough: Diagenetic and Tectono-Metamorphic Evolution Related To Copper Mineralization: Canadian Jour. of Earth Sciences, Vol. 22, p. 1835.

DepositID 423 **Cont** NA **NameDeposit** La Loche

OtherNames

Includes

Country Code CNSA Canada

Lat.Deg 56 **Long.Deg** -109 **Dec.Lat** 56.3666667 **StateProvince** Saskatchewan

Lat.Min 22 **Long.Min** -15 **Dec.Long** -109.25

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Cambrian **Ma** 540 **Unit** Basal sandstone Formation, Elk

HostRocks Grey fine to v coarse quartzose sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Host rock possibly as young as lower Devonian, maximum sandstone thickness 56.4 m. Cu-Pb-Zn

Reference Fuzesy, L.M., 1977, Sedimentary Geology and Mineral Evaluation of the Area Between La Ronge and La Loche: Summary of Investigations, Saskatchewan Geological Survey 1977, p. 175-180.

DepositID 424 **Cont** NA **NameDeposit** Copper cove

OtherNames Richmond Gulf

Includes

Country Code CNQU Canada

Lat.Deg 56 **Long.Deg** -76 **Dec.Lat** 56.35 **StateProvince** Quebec

Lat.Min 21 **Long.Min** -26 **Dec.Long** -76.4486111

Lat.Sec 0 **Long.Sec** -55

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Lower Proterozoic (Upper Archean) **Ma** 1900 **Unit** Qingaalik Formation,

HostRocks Arkose

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Zone lies with pyritic zone 25m beneath unconformity with Nastapoka Group

Reference Chandler, F.W. and Schwartz, E.J., 1980, Tectonics of the Richmond Gulf Area, Northern Quebec - A Hypothesis: in Current Research Part C, Geological Survey of Canada, Paper 80-1c, p. 59-68.

DepositID 425 **Cont** NA **NameDeposit** Richmond Gulf-2

OtherNames

Includes

Country Code CNQU Canada

Lat.Deg 56 **Long.Deg** -76 **Dec.Lat** 56.3458333 **StateProvince** Quebec

Lat.Min 20 **Long.Min** -25 **Dec.Long** -76.4275

Lat.Sec 45 **Long.Sec** -39

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Lower Proterozoic (Upper Aphebian) **Ma** 1900 **Unit** Qingaalik Formation,

HostRocks Grey pyritic sandstone, chloritic arkose

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Chandler, F.W., 1978, Geological Environment of Aphebian Red Beds of the North Half of Richmond Gulf New Quebec: in Current Research Part A, Geological Survey of Canada, Paper 78-1a, p. 107-110.

Reference Chandler, F.W., 1984, Metallogensis of An Early Proterozoic Foreland Sequence Eastern Hudson Bay Canada: Journal Geological Society of London, Vol. 141, p. 3-15.

DepositID 427 **Cont** NA **NameDeposit** Romanet Lake

OtherNames

Includes

Country Code CNQU Canada

Lat.Deg 56 **Long.Deg** -67 **Dec.Lat** 56.2822222 **StateProvince** Quebec

Lat.Min 16 **Long.Min** -49 **Dec.Long** -67.8316667

Lat.Sec 56 **Long.Sec** -54

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Lower Proterozoic **Ma** 1900 **Unit** Dunphy Formation

HostRocks Dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Cheve, S.R., Schrijver, K. and Tasse, N., 1985, Cryptalgalaminite Dolomite of the Dunphy Formation, Labrador Trough: Diagenetic and Tectono-Metamorphic Evolution Related To Copper Mineralization: Canadian Jour. of Earth Sciences, Vol. 22, p. 1835.

DepositID 428 **Cont** NA **NameDeposit** Tosi

OtherNames

Includes

Country Code CNSA Canada

Lat.Deg 56 **Long.Deg** -105 **Dec.Lat** 56.2333333 **StateProvince** Saskatchewan

Lat.Min 13 **Long.Min** -43 **Dec.Long** -105.716667

Lat.Sec 60 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Lower Proterozoic (Aphebian) **Ma** 2000 **Unit**

HostRocks Graphitic quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Chalcopyrite-chalcocite mineralization

Reference Kirkham, R.V., 1974, A synopsis of Canadian stratiform copper deposits in sedimentary Ssequences: Centenaire De La Societe Geologique De Belgique, Gisements Stratiformes et Provinces Cupriferes, Liege 1974, p. 367-382.

DepositID 429 **Cont** NA **NameDeposit** Bacon Lake

OtherNames

Includes

Country Code CNQU Canada

Lat.Deg 56 **Long.Deg** -67 **Dec.Lat** 56.2711111 **StateProvince** Quebec

Lat.Min 16 **Long.Min** -47 **Dec.Long** -67.7955556

Lat.Sec 16 **Long.Sec** -44

OreMnt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMnt

Subtype Uncl.

Age Lower Proterozoic **Ma** 1900 **Unit** Dunphy Formation

HostRocks Dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Cheve, S.R., 1983, Les Indices Mineralises Du Lac Romanet du Labrador (Nouveau-Quebec): Gouvernement Du Quebec, Ministere De L'energie Et Des Ressources, Rapport Interimaire, En Collaboration Avec L'inrs-Georessources.

DepositID 430 **Cont** NA **NameDeposit** Dunphy Lake

OtherNames

Includes

Country Code CNQU Canada

Lat.Deg 56 **Long.Deg** -67 **Dec.Lat** 56.0583333 **StateProvince** Quebec

Lat.Min 3 **Long.Min** -43 **Dec.Long** -67.7166667

Lat.Sec 30 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Lower Proterozoic **Ma** 1900 **Unit** Dunphy Formation

HostRocks Dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Cheve, S.R., Schrijver, K. and Tasse, N., 1985, Cryptalgalaminite Dolomite of the Dunphy Formation, Labrador Trough: Diagenetic and Tectono-Metamorphic Evolution Related To Copper Mineralization: Canadian Jour. of Earth Sciences, Vol. 22, p. 1835.

DepositID	431	Cont	NA	NameDeposit	Northstar Main
OtherNames					
Includes					
Country Code	CNBC	Canada			
Lat.Deg	56	Long.Deg	-126	Dec.Lat	56.05
Lat.Min	2	Long.Min	-16	Dec.Long	-126.266667
Lat.Sec	60	Long.Sec	0		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Reduced facies Cu				
Age	Triassic		Ma	220	Unit Hazelton Group
HostRocks	Siltstone				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					
Reference	Sutherland-Brown, A., 1968, Northstar: Annual Report for the Year Ended December 31 1967, Minister of Mines and Petroleum Resources, Province of British Columbia.				

DepositID 432 **Cont** NA **NameDeposit** Elizabeth Lake

OtherNames

Includes

Country Code CNSA Canada

Lat.Deg 55 **Long.Deg** -105 **Dec.Lat** 55.3311111 **StateProvince** Saskatchewan

Lat.Min 19 **Long.Min** -22 **Dec.Long** -105.366667

Lat.Sec 52 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Lower Proterozoic (Aphebian) **Ma** 2000 **Unit**

HostRocks Metased gneiss band, mainly biotite gneiss

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Numerous low-grade zones and 3 small medium-grade zones. Cu-Zn-Au-Pb

Reference Forsythe, L.H., 1976, The Geology of the Nemeiben Lake Area (West Half) and the La Ronge Area (West Half): Saskatchewan Department of Mineral Resources Report 152.

DepositID	433	Cont	NA	NameDeposit	Ellis Pond mineral occ no 26
OtherNames					
Includes					
Country Code	CNNF	Canada			
Lat.Deg	54	Long.Deg	-61	Dec.Lat	54.3138889
Lat.Min	18	Long.Min	-57	Dec.Long	-61.9661111
Lat.Sec	50	Long.Sec	-58		
OreMmt		CuGrade%		CoGrade%	
		CuMmt		AgGradeppm	
Subtype	Reduced facies Cu				
Age	Middle Proterozoic (NeoHelikian)	Ma	1000	Unit	Adeline Island Fm., Seal Lake
HostRocks	Green-grey shale interlensed with quartzite				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments	Cu-Ag-Ba				
Reference	Gandhi, S.S., 1975, Cupriferous shales of the Adeline Island Formation, Seal Lake Group, Labrador: Economic Geology, Vol. 70, p. 145-163.				

DepositID 434 **Cont** NA **NameDeposit** Spriggs Lake

OtherNames

Includes

Country Code CNNF Canada

Lat.Deg 54 **Long.Deg** -61 **Dec.Lat** 54.4930556 **StateProvince** Newfound- land

Lat.Min 29 **Long.Min** -40 **Dec.Long** -61.6830556

Lat.Sec 35 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Proterozoic (NeoHelikian) **Ma** 1100 **Unit** Seal Lake Group

HostRocks Quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-U

Reference Spriggs, M.J., 1969, Airborne Anomaly checking, Northern Seal Lake: British Newfoundland Exploration Ltd., Private Report 1969.

DepositID 435 **Cont** NA **NameDeposit** Duck Lake south

OtherNames

Includes

Country Code CNNF Canada

Lat.Deg 54 **Long.Deg** -61 **Dec.Lat** 54.3069444 **StateProvince** Newfoundland

Lat.Min 18 **Long.Min** -47 **Dec.Long** -61.7947222

Lat.Sec 25 **Long.Sec** -41

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Proterozoic (NeoHelikian) **Ma** 1100 **Unit** Adeline Island Fm., Seal Lake

HostRocks Grey shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Mann, E.L., 1959, Geology of the Seal Lake Area Central Labrador: Unpublished Ph. D. thesis, 1959, McGill University.

DepositID 436 **Cont** NA **NameDeposit** Brandy Lake prospect

OtherNames

Includes

Country Code CNNF Canada

Lat.Deg 54 **Long.Deg** -61 **Dec.Lat** 54.3030556 **StateProvince** Newfound- land

Lat.Min 18 **Long.Min** -36 **Dec.Long** -61.6002778

Lat.Sec 11 **Long.Sec** -1

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Proterozoic (NeoHelikian) **Ma** 1100 **Unit** Adeline Island Fm., Seal Lake

HostRocks Shlae

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Brummer, J.J., 1960, A reconnaissance geochemical survey in the Seal Lake Area
Labrador: CIMM Bulletin, Vol. 53, No. 576, p. 260-267.

Greene, B.A., 1974, An outline of the Geology of Labrador: Mineral Development
Division, Newfoundland Department of Mines and Energy, Information Circular No. 15.

DepositID 437 **Cont** NA **NameDeposit** Gull Lake

OtherNames

Includes Brian prospect

Country Code CNNF Canada

Lat.Deg 54 **Long.Deg** -61 **Dec.Lat** 54.3111111 **StateProvince** Newfound- land

Lat.Min 18 **Long.Min** -53 **Dec.Long** -61.8927778

Lat.Sec 40 **Long.Sec** -34

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Proterozoic (NeoHelikian) **Ma** 1100 **Unit** Adeline Island Fm., Seal Lake

HostRocks Shale, slate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Brummer, J.J., 1961, Geology of the Seal Lake Area, Labrador: Geological Society of America Bulletin, Vol. 72, No. 9.

Gandhi, S.S., 1975, Cupriferous shales of the Adeline Island Formation, Seal Lake Group, Labrador: Economic Geology, Vol. 70, p. 145-163.

DepositID	438	Cont	NA	NameDeposit	Duck Lake east showing
OtherNames					
Includes					
Country Code	CNNF	Canada			
Lat.Deg	54	Long.Deg	-61	Dec.Lat	54.3041667
Lat.Min	18	Long.Min	-45	Dec.Long	-61.7580556
Lat.Sec	15	Long.Sec	-29		
OreMmt		CuGrade%		CoGrade%	
		CuMmt		AgGradeppm	
Subtype	Reduced facies Cu				
Age	Proterozoic (NeoHelikian)			Ma	1100
				Unit	Adeline Island Fm., Seal Lake
HostRocks	Grey shale, quartzite				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments	Cu-Ag				
Reference	Douglas, C., 1976, Mineral Occurrence Tables: Labrador Mineral Development Division Open-File-Lab 326.				

DepositID 439 **Cont** NA **NameDeposit** Seal Lake-19

OtherNames

Includes

Country Code CNNF Canada

Lat.Deg 54 **Long.Deg** -61 **Dec.Lat** 54.3027778 **StateProvince** Newfoundland

Lat.Min 18 **Long.Min** -41 **Dec.Long** -61.6908333

Lat.Sec 10 **Long.Sec** -27

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Proterozoic (NeoHelikian) **Ma** 1100 **Unit** Adeline Island Fm., Seal Lake

HostRocks Grey shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Douglas, C., 1976, Mineral occurrence tables: Labrador Mineral Development Division Open-File-Lab 326.

DepositID	440	Cont	NA	NameDeposit	Adeline Lake-3
OtherNames					
Includes					
Country Code	CNNF	Canada			
Lat.Deg	54	Long.Deg	-62	Dec.Lat	54.3
Lat.Min	17	Long.Min	-1	Dec.Long	-62.0302778
Lat.Sec	60	Long.Sec	-49		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Reduced facies Cu				
Age	Proterozoic (NeoHelikian)			Ma	1000
				Unit	Adeline Island Fm., Seal Lake
HostRocks	Grey shale, slate				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					
Reference	Douglas, C., 1976, Mineral Occurrence Tables: Labrador Mineral Development Division Open-File-Lab 326.				

DepositID 441 **Cont** NA **NameDeposit** Adeline Island prospect

OtherNames

Includes

Country Code CNNF Canada

Lat.Deg 54 **Long.Deg** -62 **Dec.Lat** 54.2980556 **StateProvince** Newfoundland

Lat.Min 17 **Long.Min** -3 **Dec.Long** -62.0580556

Lat.Sec 53 **Long.Sec** -29

OreMnt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMnt

Subtype Reduced facies Cu

Age Proterozoic (NeoHelikian) **Ma** 1000 **Unit** Adeline Island Fm., Seal Lake

HostRocks Grey shale, quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag-Zn

Reference Mann, E.L., 1959, Geology of the Seal Lake Area Central Labrador: Unpublished Ph. D. thesis, 1959, Mcgill University.

DepositID 442 **Cont** NA **NameDeposit** Seal Lake-18

OtherNames

Includes Seal Lake-20

Country Code CNNF Canada

Lat.Deg 54 **Long.Deg** -61 **Dec.Lat** 54.2958333 **StateProvince** Newfound- land

Lat.Min 17 **Long.Min** -40 **Dec.Long** -61.6802778

Lat.Sec 45 **Long.Sec** -49

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Proterozoic (NeoHelikian) **Ma** 1100 **Unit** Adeline Island Fm., Seal Lake

HostRocks Grey shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Douglas, C., 1976, Mineral occurrence tables: Labrador Mineral Development Division Open-File-Lab 326.

Greene, B.A., 1974, An outline of the geology of Labrador: Mineral Development Division, Newfoundland Department of Mines and Energy, Information Circular No. 15.

DepositID	443	Cont	NA	NameDeposit	Adeline Lake east-showing no 7	
OtherNames						
Includes						
Country Code	CNNF	Canada				
Lat.Deg	54	Long.Deg	-61	Dec.Lat	54.2805556	StateProvince Newfound- land
Lat.Min	16	Long.Min	-59	Dec.Long	-61.9947222	
Lat.Sec	50	Long.Sec	-41			
OreMmt		CuGrade%		CoGrade%		AgGradeppm
		CuMmt				
Subtype	Reduced facies Cu					
Age	Proterozoic (NeoHelikian)			Ma	1100	Unit Whiskey Lake Formation, Seal
HostRocks	Argillite					
HangingwallBeds						
FootwallRocks						
Mineralogy						
TraceMinerals						
Comments						
Reference	Greene, B.A., 1974, An outline of the geology of Labrador: Mineral Development Division, Newfoundland Department of Mines and Energy, Information Circular No. 15.					

DepositID 444 **Cont** NA **NameDeposit** No Mans Lake-2

OtherNames

Includes

Country Code CNNF Canada

Lat.Deg 54 **Long.Deg** -61 **Dec.Lat** 54.2669444 **StateProvince** Newfound- land

Lat.Min 16 **Long.Min** -46 **Dec.Long** -61.7761111

Lat.Sec 1 **Long.Sec** -34

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Proterozoic (NeoHelikian) **Ma** 1100 **Unit** Whiskey Lake Fm., Seal Lake

HostRocks Quartzite, argillite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Scattered mineralization in zone 300 ft long and 3 to 8 ft wide

Reference Robinson, W.G.,, Report on the Seal Lake Concession, Labrador, During 1955:
Frobisher Ltd., Unpublished Report 1954.

DepositID 445 **Cont** NA **NameDeposit** Whiskey Lake south showing

OtherNames

Includes

Country Code CNNF Canada

Lat.Deg 54 **Long.Deg** -61 **Dec.Lat** 54.2583333 **StateProvince** Newfound- land

Lat.Min 15 **Long.Min** -34 **Dec.Long** -61.5713889

Lat.Sec 30 **Long.Sec** -17

OreMnt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMnt

Subtype Reduced facies Cu

Age Proterozoic (NeoHelikian) **Ma** 1100 **Unit** Whiskey Lake Fm., Seal Lake

HostRocks Green-grey quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Roy, J.L. and Fahrig, W.F., 1973, The Paleomagnetism of Seal and Croteau rocks from the Grenville Front, Labrador: Polar Wandering and Tectonic Implications: Canadian Journal of Earth Sciences, Vol. 10, NO. 8, p. 1279-1301.

DepositID	446	Cont	NA	NameDeposit	MI
OtherNames					
Includes					
Country Code	CNBC	Canada		StateProvince British Columbia	
Lat.Deg	52	Long.Deg	-121	Dec.Lat	52.5913889
Lat.Min	35	Long.Min	-46	Dec.Long	-121.7775
Lat.Sec	29	Long.Sec	-39		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Uncl.				
Age	Lower Jurassic	Ma	180	Unit	
HostRocks	Limestone, maroon to grey sandstone				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					
Reference	Bailey, D.G., 1975, Geology of the Morehead Lake Area South-Central British Columbia (93a/12): <i>in</i> Geological Fieldwork 1975, British Columbia Department of Mines and Petroleum Resources, p. 59-65.				

DepositID 447 **Cont** NA **NameDeposit** Panther Creek

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 51 **Long.Deg** -115 **Dec.Lat** 51.4666667 **StateProvince** Alberta

Lat.Min 28 **Long.Min** -52 **Dec.Long** -115.866667

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Cambrian **Ma** 550 **Unit** Eldon Formation

HostRocks Dolomite-mottled limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kindle, E.D.,, Copper deposits in Cordilleran Region: Geological Survey of Canada, Unpublished Paper 1971.

DepositID 448 **Cont** NA **NameDeposit** North Kootenay Pass area-6

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.4463889 **StateProvince** Alberta

Lat.Min 26 **Long.Min** -34 **Dec.Long** -114.572778

Lat.Sec 47 **Long.Sec** -22

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Middle Proterozoic (Helikian) **Ma** 1400 **Unit** Upper Grinnell Fm., Purcell (Belt)

HostRocks Quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Zn-Cu

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 449 **Cont** NA **NameDeposit** North Kootenay Pass area-4

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.4372222 **StateProvince** Alberta

Lat.Min 26 **Long.Min** -34 **Dec.Long** -114.568333

Lat.Sec 14 **Long.Sec** -6

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Middle Proterozoic (Helikian) **Ma** 1400 **Unit** Upper Grinnell Fm., Purcell (Belt)

HostRocks Quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Zn-Cu

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 450 **Cont** NA **NameDeposit** North Kootenay Pass area-3

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.4219444 **StateProvince** Alberta

Lat.Min 25 **Long.Min** -34 **Dec.Long** -114.575

Lat.Sec 19 **Long.Sec** -30

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Middle Proterozoic (Helikian) **Ma** 1400 **Unit** Upper Grinnell Fm., Purcell (Belt)

HostRocks Quartzites

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Zn-Cu

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 451 **Cont** NA **NameDeposit** North Kootenay Pass area-2

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.4058333 **StateProvince** Alberta

Lat.Min 24 **Long.Min** -33 **Dec.Long** -114.564444

Lat.Sec 21 **Long.Sec** -52

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Middle Proterozoic (Helikian) **Ma** 1400 **Unit** Upper Grinnell Fm., Purcell (Belt)

HostRocks Quartzites

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Zn-Cu

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 452 **Cont** NA **NameDeposit** North Kootenay Pass area-1

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.3961111 **StateProvince** Alberta

Lat.Min 23 **Long.Min** -33 **Dec.Long** -114.563611

Lat.Sec 46 **Long.Sec** -49

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Middle Proterozoic (Helikian) **Ma** 1400 **Unit** Upper Grinnell Fm., Purcell (Belt)

HostRocks Quartzites

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Zn-Cu

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID	453	Cont	NA	NameDeposit	North Kootenay Pass
OtherNames					
Includes					
Country Code	CNBC	Canada			
Lat.Deg	49	Long.Deg	-114	Dec.Lat	49.3863889
Lat.Min	23	Long.Min	-34	Dec.Long	-114.575556
Lat.Sec	11	Long.Sec	-32		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Reduced facies Cu				
Age	Middle Proterozoic (Helikian)			Ma	1400
				Unit	Gateway Fm., Purcell (Belt)
HostRocks	Argillite				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					
Reference	Anon, Copper Geology File 1971.				

DepositID 454 **Cont** NA **NameDeposit** Table Mountain

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.3666667 **StateProvince** Alberta

Lat.Min 22 **Long.Min** -15 **Dec.Long** -114.25

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Middle Proterozoic **Ma** 1400 **Unit** Siyeh Fm., Purcell (Belt)

HostRocks Silty dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Cu-Zn

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 455 **Cont** NA **NameDeposit** Barnaby Ridge

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.3325 **StateProvince** Alberta

Lat.Min 19 **Long.Min** -21 **Dec.Long** -114.365833

Lat.Sec 57 **Long.Sec** -57

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Middle Proterozoic **Ma** 1400 **Unit** Siyeh Fm., Purcell (Belt)

HostRocks Arenite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID	456	Cont	NA	NameDeposit	Whistler Mountain-1
OtherNames					
Includes					
Country Code	CNAL	Canada			
Lat.Deg	49	Long.Deg	-114	Dec.Lat	49.3325
Lat.Min	19	Long.Min	-18	Dec.Long	-114.304444
Lat.Sec	57	Long.Sec	-16		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Redbed Cu				
Age	Middle Proterozoic	Ma	1400	Unit	Grinnell Fm., Purcell (Belt)
HostRocks	Quartz arenite within red siltstone				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments	More than 25 mineralized quartz arenite units				
Reference	Anon, Copper Geology File 1971.				

DepositID	457	Cont	NA	NameDeposit	Whistler Mountain-2
OtherNames					
Includes					
Country Code	CNAL	Canada			
Lat.Deg	49	Long.Deg	-114	Dec.Lat	49.3297222
Lat.Min	19	Long.Min	-18	Dec.Long	-114.308611
Lat.Sec	47	Long.Sec	-31		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Redbed Cu				
Age	Middle Proterozoic	Ma	1400	Unit	Grinnell Formation, Purcell (Belt)
HostRocks	Argillite, sandstone, siltstone, quartzite				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments	Cu-Ag				
Reference	Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.				

DepositID	458	Cont	NA	NameDeposit	Whistler Mountain-3
OtherNames					
Includes					
Country Code	CNAL	Canada			
Lat.Deg	49	Long.Deg	-114	Dec.Lat	49.3286111
Lat.Min	19	Long.Min	-18	Dec.Long	-114.3025
Lat.Sec	43	Long.Sec	-9		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Redbed Cu				
Age	Middle Proterozoic	Ma	1400	Unit	Grinnell Formation, Purcell (Belt)
HostRocks	Argillite, sandstone, siltstone, quartzite				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments	Cu-Ag				
Reference	Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.				

DepositID 459 **Cont** NA **NameDeposit** Grizzly Creek

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.3080556 **StateProvince** Alberta

Lat.Min 18 **Long.Min** -20 **Dec.Long** -114.343056

Lat.Sec 29 **Long.Sec** -35

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Middle Proterozoic **Ma** 1400 **Unit** Grinnell Fm., Purcell (Belt)

HostRocks Quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Sulphides occur intergrown with silica cement

Reference Anon, Copper Geology File 1971.

DepositID 460 **Cont** NA **NameDeposit** Drywood Creek

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.2963889 **StateProvince** Alberta

Lat.Min 17 **Long.Min** -2 **Dec.Long** -114.0375

Lat.Sec 47 **Long.Sec** -15

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Middle Proterozoic **Ma** 1400 **Unit** Grinnell Fm., Purcell (Belt)

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Anon, 1970, , Annual Report of Prospectus Minerals Ltd 1970.

DepositID 461 **Cont** NA **NameDeposit** Middle Kootenay Pass

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.25 **StateProvince** Alberta

Lat.Min 15 **Long.Min** -22 **Dec.Long** -114.374722

Lat.Sec 0 **Long.Sec** -29

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Middle Proterozoic **Ma** 1400 **Unit** Grinnell Fm., Purcell (Belt)

HostRocks Quartz arenite, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Sulphides occur intergrown with silica cement

Reference Collins, J.A., 1977, Genesis of cupriferous quartz arenite cycles in the Grinnell Formation: Bulletin of Canadian Petroleum Geologists, Vol. 25, No. 4, p. 713-735.

DepositID	462	Cont	NA	NameDeposit	West Castle River-2
OtherNames					
Includes					
Country Code	CNAL	Canada			
Lat.Deg	49	Long.Deg	-114	Dec.Lat	49.2738889
Lat.Min	16	Long.Min	-20	Dec.Long	-114.337778
Lat.Sec	26	Long.Sec	-16		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Reduced facies Cu				
Age	Middle Proterozoic	Ma	1400	Unit	Siyeh Formation, Purcell (Belt)
HostRocks	Limest, dolomite, argillite, stromatolitic lmsn				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments	Cu-Ag				
Reference	Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.				

DepositID 463 **Cont** NA **NameDeposit** Spionkop Creek 1

OtherNames Spionkop Ridge

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.2266667 **StateProvince** Alberta

Lat.Min 13 **Long.Min** 0 **Dec.Long** -114.004167

Lat.Sec 36 **Long.Sec** -15

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Middle Proterozoic **Ma** 1000 **Unit** Grinnell Fm., Purcell (Belt)

HostRocks White and green quartzite, green argillite

HangingwallBeds

FootwallRocks Diabase

Mineralogy

TraceMinerals

Comments Cu occurs also in underlying diabase intrusion. Cu-Ag

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 464 **Cont** NA **NameDeposit** Spionkop Creek 2

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.2277778 **StateProvince** Alberta

Lat.Min 13 **Long.Min** -1 **Dec.Long** -114.016667

Lat.Sec 40 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Middle Proterozoic **Ma** 1000 **Unit** Grinnel Fm., Purcell (Belt)

HostRocks Argillite, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 465 **Cont** NA **NameDeposit** Bovin Lake

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.2208333 **StateProvince** Alberta

Lat.Min 13 **Long.Min** -8 **Dec.Long** -114.136944

Lat.Sec 15 **Long.Sec** -13

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Middle Proterozoic **Ma** 1000 **Unit** Gateway Fm., Purcell (Belt)

HostRocks Argillite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 466 **Cont** NA **NameDeposit** Loaf Mountain

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.2158333 **StateProvince** Alberta

Lat.Min 12 **Long.Min** -7 **Dec.Long** -114.124722

Lat.Sec 57 **Long.Sec** -29

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Middle Proterozoic **Ma** 1000 **Unit** Gateway Fm., Purcell (Belt)

HostRocks Argillite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 467 **Cont** NA **NameDeposit** Blind Canyon-2

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.215 **StateProvince** Alberta

Lat.Min 12 **Long.Min** 0 **Dec.Long** -114.004167

Lat.Sec 54 **Long.Sec** -15

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Middle Proterozoic **Ma** 1000 **Unit** Grinnell Fm., Purcell (Belt)

HostRocks Argillite, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 468 Cont NA NameDeposit West Castle River-1
OtherNames
Includes
Country Code CNAL Canada
Lat.Deg 49 Long.Deg -114 Dec.Lat 49.2086111 StateProvince Alberta
Lat.Min 12 Long.Min -21 Dec.Long -114.35
Lat.Sec 31 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm
CuMmt
Subtype Reduced facies Cu
Age Middle Proterozoic Ma 1000 Unit Sheppard Formation, Purcell

HostRocks Sandstone, dolomite, argillite, siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 469 **Cont** NA **NameDeposit** Yarrow Creek

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -113 **Dec.Lat** 49.2011111 **StateProvince** Alberta

Lat.Min 12 **Long.Min** -58 **Dec.Long** -113.982222

Lat.Sec 4 **Long.Sec** -56

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Middle Proterozoic **Ma** 1400 **Unit** Appekunny Fm., Purcell (Belt)

HostRocks Quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Gobel, R.J., 1970, The Yarrow-Creek-Spionkop Creek copper deposits: Unpublished M.Sc. thesis, University of Alberta 1970.

DepositID 470 **Cont** NA **NameDeposit** Yarrow Creek-main zone

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -113 **Dec.Lat** 49.1952778 **StateProvince** Alberta

Lat.Min 11 **Long.Min** -59 **Dec.Long** -113.998056

Lat.Sec 43 **Long.Sec** -53

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Middle Proterozoic **Ma** 1400 **Unit** Grinnell Fm., Purcell (Belt)

HostRocks Quartzite, sandstone

HangingwallBeds

FootwallRocks Diabase

Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Gorie, E.,, Kintla Explorations Ltd Final Geological Report 1972-1973 Programs, Big Horn Claims, Yarrow Creek-Spionkop Creek, Southwestern Alberta: Copper Geology File 1974.

DepositID 471 Cont NA NameDeposit Castle River, Loaf Mountain-2
OtherNames
Includes
Country Code CNAL Canada
Lat.Deg 49 Long.Deg -114 Dec.Lat 49.1855556 StateProvince Alberta
Lat.Min 11 Long.Min -5 Dec.Long -114.096667
Lat.Sec 8 Long.Sec -48

OreMmt CuGrade% CoGrade% AgGradeppm
CuMmt
Subtype Reduced facies Cu

Age Middle Proterozoic Ma 1000 Unit Gateway-Boosville Formations,
HostRocks Argillite, siltstone, dolomite, dolomitic sandstone
HangingwallBeds
FootwallRocks
Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 472 **Cont** NA **NameDeposit** Castle River, Loaf Mountain-3
OtherNames
Includes
Country Code CNAL Canada
Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.1925 **StateProvince** Alberta
Lat.Min 11 **Long.Min** -6 **Dec.Long** -114.102778
Lat.Sec 33 **Long.Sec** -10
OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**
CuMmt
Subtype Reduced facies Cu

Age Middle Proterozoic **Ma** 1000 **Unit** Gateway-Boosville Formations,

HostRocks Argillite, siltstone, dolomite, dolomitic sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 473 **Cont** NA **NameDeposit** Castle River, Loaf Mountain-1
OtherNames
Includes
Country Code CNAL Canada
Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.1802778 **StateProvince** Alberta
Lat.Min 10 **Long.Min** -6 **Dec.Long** -114.111389
Lat.Sec 49 **Long.Sec** -41

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**
CuMmt

Subtype Reduced facies Cu

Age Middle Proterozoic **Ma** 1000 **Unit** Gateway-Boosville Formations,

HostRocks Argillite, siltstone, dolomite, dolomitic sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 474 Cont NA NameDeposit Commerce Creek

OtherNames

Includes

Country Code CNBC Canada

Lat.Deg 49 Long.Deg -114 Dec.Lat 49.1697222 StateProvince British Columbia

Lat.Min 10 Long.Min -23 Dec.Long -114.387778

Lat.Sec 11 Long.Sec -16

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Middle Proterozoic Ma 1500 Unit Grinnell Fm., Purcell (Belt)

HostRocks Arenite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag-Au

Reference Anon, 1967, Commerce Nickel Mines Ltd.: Canadian Mines Handbook, 1967-1968, p. 88.

DepositID 475 **Cont** NA **NameDeposit** Sage Creek 1

OtherNames Commerce Peak

Includes

Country Code CNBC Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.1527778 **StateProvince** British Columbia

Lat.Min 9 **Long.Min** -20 **Dec.Long** -114.345556

Lat.Sec 10 **Long.Sec** -44

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Middle Proterozoic **Ma** 1500 **Unit** Roosville Formation, Purcell

HostRocks Gray argillite, siltst, sandstone, dolomite, arenites

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Arenite up to 10 ft thick carry 0.27 to 1.57% Cu and 0.3 to 5 ppm Ag

Reference Morton, R., 1973, Sulfide Deposits Associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 476 **Cont** NA **NameDeposit** Sage Creek 2

OtherNames

Includes

Country Code CNBC Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.15 **StateProvince** British Columbia

Lat.Min 8 **Long.Min** -17 **Dec.Long** -114.285833

Lat.Sec 60 **Long.Sec** -9

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Middle Proterozoic **Ma** 1500 **Unit** Roosville Formation, Purcell

HostRocks Gray argillite, siltst, sandstone, dolomite, arenite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Arenite up to 10 ft thick carry 0.27 to 1.57% Cu and 0.3 to 5 ppm Ag

Reference Morton, R., 1973, Sulfide Deposits Associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 477 **Cont** NA **NameDeposit** Disraeli Lake

OtherNames Commerce

Includes

Country Code CNON Canada

Lat.Deg 49 **Long.Deg** -88 **Dec.Lat** 49.1486111 **StateProvince** Ontario

Lat.Min 8 **Long.Min** -59 **Dec.Long** -88.9913889

Lat.Sec 55 **Long.Sec** -29

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Middle Proterozoic **Ma** 2000 **Unit** Sibley Group

HostRocks Dolomite, limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Age of host rock is not necessarily Age of mineralization in this case. Cu-Pb

Reference Anon, 1967, Commerce Nickel Mines Ltd: Canadian Mines Handbook 1967-68, p. 88.

DepositID 478 **Cont** NA **NameDeposit** Sage Creek 4

OtherNames Langemarck Mtn-2

Includes

Country Code CNBC Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.1375 **StateProvince** British Columbia

Lat.Min 8 **Long.Min** -20 **Dec.Long** -114.334444

Lat.Sec 15 **Long.Sec** -4

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Middle Proterozoic **Ma** 1500 **Unit** Siyeh Formation, Purcell (Belt)

HostRocks Limestone, dolomite, argillite, arenites

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Morton, R., 1973, Sulfide Deposits Associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 479 **Cont** NA **NameDeposit** Sage Creek 3

OtherNames Langemarck Mtn-1

Includes

Country Code CNBC Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.1333333 **StateProvince** British Columbia

Lat.Min 7 **Long.Min** -22 **Dec.Long** -114.3775

Lat.Sec 60 **Long.Sec** -39

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Middle Proterozoic **Ma** 1500 **Unit** Grinnell Formation, Purcell (Belt)

HostRocks Argillite, sandstone, siltstone, qtzite, arenites

HangingwallBeds

FootwallRocks

Mineralogy Bornite, covellite

TraceMinerals

Comments 1-2 ft thick beds of lower grinell carry 2.5 to 5.0% Cu

Reference Morton, R., 1973, Sulfide Deposits Associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 480 **Cont** NA **NameDeposit** Blakiston Creek

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.1325 **StateProvince** Alberta

Lat.Min 7 **Long.Min** 0 **Dec.Long** -114.015556

Lat.Sec 57 **Long.Sec** -56

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Middle Proterozoic **Ma** 1000 **Unit** Grinnell Fm., Purcell (Belt)

HostRocks Argillite, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 481 **Cont** NA **NameDeposit** Mount Lineham

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.0808333 **StateProvince** Alberta

Lat.Min 4 **Long.Min** 0 **Dec.Long** -114.0075

Lat.Sec 51 **Long.Sec** -27

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Middle Proterozoic **Ma** 1000 **Unit** Grinnell Fm., Purcell (Belt)

HostRocks Argillites, sandstones

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 482 **Cont** NA **NameDeposit** Cameron Brook

OtherNames

Includes

Country Code CNAL Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.065 **StateProvince** Alberta

Lat.Min 3 **Long.Min** 0 **Dec.Long** -114.014722

Lat.Sec 54 **Long.Sec** -53

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Middle Proterozoic **Ma** 1000 **Unit** Grinnell Fm., Purcell (Belt)

HostRocks Argillite, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Morton, R., 1973, Sulfide deposits associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 483 **Cont** NA **NameDeposit** Akamina, Flathead Valley

OtherNames

Includes

Country Code CNBC Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.04 **StateProvince** British Columbia

Lat.Min 2 **Long.Min** -16 **Dec.Long** -114.268056

Lat.Sec 24 **Long.Sec** -5

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Helikian **Ma** 1400 **Unit** Purcell series, Grinnell Fm.

HostRocks Quartzite (sandstone)

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Anon, 1969, / British Columbia Minister of Mines, Annual Report, 1968.

DepositID 484 **Cont** NA **NameDeposit** Kishinena Creek

OtherNames

Includes

Country Code CNBC Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.0333333 **StateProvince** British Columbia

Lat.Min 1 **Long.Min** -16 **Dec.Long** -114.271944

Lat.Sec 60 **Long.Sec** -19

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Middle Proterozoic **Ma** 1500 **Unit** Middle-upper Grinnell Fm.,

HostRocks Argillite, sandstone, siltstone, arenite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Considerable Cu-Ag enrichment with grades around 0.3% Cu and 14 ppm Ag, adjacent to normal faults

Reference Morton, R., 1973, Sulfide Deposits Associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 485 **Cont** NA **NameDeposit** Wall Lake 1

OtherNames

Includes

Country Code CNBC Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.0138889 **StateProvince** British Columbia

Lat.Min 0 **Long.Min** -5 **Dec.Long** -114.095556

Lat.Sec 50 **Long.Sec** -44

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Middle Proterozoic **Ma** 1500 **Unit** Sheppard Formation, Purcell

HostRocks Quartzitic and dolomitic sandstone, dolomite

HangingwallBeds

FootwallRocks

Mineralogy Bornite, covellite

TraceMinerals

Comments Cu contained mainly in unmetamorphosed arenites of the lower Sheppard

Reference Morton, R., 1973, Sulfide Deposits Associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID 486 **Cont** NA **NameDeposit** Wall Lake 2

OtherNames Akamina Creek

Includes

Country Code CNBC Canada

Lat.Deg 49 **Long.Deg** -114 **Dec.Lat** 49.025 **StateProvince** British Columbia

Lat.Min 1 **Long.Min** -4 **Dec.Long** -114.066667

Lat.Sec 30 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Middle Proterozoic **Ma** 1500 **Unit** Middle Gateway Fm., Purcell

HostRocks Calcareous siltstone, argillite, dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Several occurrences in 5-7 ft thick siltst beds grade 0.32 to 0.54% Cu

Reference Morton, R., 1973, Sulfide Deposits Associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.

DepositID	487	Cont	NA	NameDeposit	Starvation Creek-1
OtherNames					
Includes					
Country Code	CNBC	Canada			
Lat.Deg	49	Long.Deg	-114	Dec.Lat	49.01
Lat.Min	0	Long.Min	-13	Dec.Long	-114.221944
Lat.Sec	36	Long.Sec	-19		
OreMnt		CuGrade%		CoGrade%	
		CuMnt		AgGradeppm	
Subtype	Redbed Cu				
Age	Middle Proterozoic	Ma	1500	Unit	Upper grinnell Fm., Purcell (Belt)
HostRocks	Arenite, argillite, sandstone, siltstone, qtzite				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments	Cu-Ag. White arenite 4 to 7 ft thick, grab samples up to 0.41% Cu				
Reference	Morton, R., 1973, Sulfide Deposits Associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.				

DepositID	488	Cont	NA	NameDeposit	Starvation Creek-2
OtherNames					
Includes					
Country Code	CNBC	Canada			
Lat.Deg	49	Long.Deg	-114	Dec.Lat	49.0083333
Lat.Min	0	Long.Min	-10	Dec.Long	-114.166667
Lat.Sec	30	Long.Sec	0		
OreMnt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Uncl.				
Age	Middle Proterozoic	Ma	1500	Unit	Middle-upper Styeh Fm., Purcell
HostRocks	Limestone, dolomite, argillite, sandy limestone				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments	Two occurrences carry low Cu values (average 0.01 to 0.08% Cu)				
Reference	Morton, R., 1973, Sulfide Deposits Associated with Precambrian Belt-Purcell Strata in Alberta and British Columbia, Canada: Belt Symposium September 17-22 1973 (Moscow Idaho), Vol. 1, p. 159-179.				

DepositID 489 **Cont** NA **NameDeposit** Boswarlos

OtherNames Port au Port Penin

Includes

Country Code CNNF Canada

Lat.Deg 48 **Long.Deg** -58 **Dec.Lat** 48.5686111 **StateProvince** Newfoundland

Lat.Min 34 **Long.Min** -48 **Dec.Long** -58.8138889

Lat.Sec 7 **Long.Sec** -50

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Mississippian **Ma** 340 **Unit** Codroy Group (equivalent to

HostRocks Fossiliferous buff limestone, gypsum, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Zn-Cu-Sr-Ba

Reference Kirkham, R.V., 1985, Base metals in Upper Windsor (Codroy) Group Oolitic and stromatolitic limestones in the Atlantic Provinces: in Current Research, Part A, Geological Survey of Canada, Paper 85-1a, p. 573-585.

DepositID	490	Cont	NA	NameDeposit	Fischells Brook
OtherNames					
Includes					
Country Code	CNNF	Canada			
Lat.Deg	48	Long.Deg	-58	Dec.Lat	48.3038889
Lat.Min	18	Long.Min	-32	Dec.Long	-58.5497222
Lat.Sec	14	Long.Sec	-59		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Redbed Cu				
Age	Carboniferous	Ma	320	Unit	Barachois Group
HostRocks	Green-grey and red sandstone, pebbly ss, siltst				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					
Reference	Knight, I., 1983, Geology of the Carboniferous Bay St George Subbasin, Western Newfoundland: Mineral Development Division, Department of Mines and Energy, Government of Newfoundland and Labrador, Memoir 1.				

DepositID 491 **Cont** NA **NameDeposit** Jeffreys Village

OtherNames

Includes

Country Code CNNF Canada

Lat.Deg 48 **Long.Deg** -58 **Dec.Lat** 48.2422222 **StateProvince** Newfoundland

Lat.Min 14 **Long.Min** -49 **Dec.Long** -58.8230556

Lat.Sec 32 **Long.Sec** -23

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Mississippian **Ma** 340 **Unit** Jeffreys Village Member, Codroy

HostRocks Red siltstone, red and grey sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Knight, I., 1983, Geology of the Carboniferous Bay St George Subbasin, Western Newfoundland: Mineral Development Division, Department of Mines and Energy, Government of Newfoundland and Labrador, Memoir 1.

DepositID 492 **Cont** NA **NameDeposit** JF

OtherNames

Includes

Country Code USMT United States

Lat.Deg 48 **Long.Deg** -115 **Dec.Lat** 48.1986111 **StateProvince** Montana

Lat.Min 11 **Long.Min** -53 **Dec.Long** -115.895

Lat.Sec 55 **Long.Sec** -42

OreMmt 13.6 **CuGrade%** 0.4 **CoGrade%** **AgGradeppm** 44.6

CuMmt .0544

Subtype Revett Cu

Age M. Proterozoic **Ma** 1500 **Unit** Revett Fm.

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, bornite , galena, calcite

TraceMinerals

Comments

Reference Boleneus, D.E., 2002, unpublished database

DepositID 493 **Cont** NA **NameDeposit** Rock Creek

OtherNames

Includes Rock Lake, Montanore, Copper Gulch, Horizon Basin, Rock Peak

Country Code USMT United States

Lat.Deg 48 **Long.Deg** -115 **Dec.Lat** 48.0794444 **StateProvince** Montana

Lat.Min 04 **Long.Min** -40 **Dec.Long** -115.676667

Lat.Sec 46 **Long.Sec** -36

OreMmt 299 **CuGrade%** 0.81 **CoGrade%** **AgGradeppm** 71

CuMmt 2.4219

Subtype Revett Cu

Age M. Proterozoic **Ma** 1500 **Unit** Revett Fm.

HostRocks Quartzite

HangingwallBeds Siltite, silty quartzite, quartzite upper members, Revett Fm.

FootwallRocks Siltstone, argillite (Burke Fm.)

Mineralogy Chalcocite, chalcopyrite, bornite, galena, native silver, pyrite, pyrrhotite

TraceMinerals

Comments Cu-Ag-Pb

Reference Adkins, A.R., 1993, Geology of the Montanore stratabound Cu-Ag deposit, Lincoln and Sanders Counties, Montana: Montana Bureau of Mines and Geology Open File Report 381, 3 p.

Boleneus, D.E., 2002, unpublished database

DepositID 494 Cont NA NameDeposit Bald Mountain

OtherNames

Includes

Country Code CNNF Canada

Lat.Deg 48 Long.Deg -58 Dec.Lat 48.025 StateProvince Newfoundland

Lat.Min 1 Long.Min -51 Dec.Long -58.8558333

Lat.Sec 30 Long.Sec -21

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Mississippian Ma 340 Unit Codroy Road Formation, Codroy

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Knight, I., 1983, Geology of the Carboniferous Bay St George Subbasin, Western Newfoundland: Mineral Development Division, Department of Mines and Energy, Government of Newfoundland and Labrador, Memoir 1.

DepositID	495	Cont	NA	NameDeposit	Grand Codroy River -S branch	
OtherNames						
Includes						
Country Code	CNNF	Canada		StateProvince	Newfound- land	
Lat.Deg	47	Long.Deg	-59	Dec.Lat	47.9061111	
Lat.Min	54	Long.Min	-4	Dec.Long	-59.0730556	
Lat.Sec	22	Long.Sec	-23			
OreMmt		CuGrade%		CoGrade%		AgGradeppm
		CuMmt				
Subtype	Redbed Cu					
Age	Mississippian	Ma	340	Unit	Mollichignick Member, Codroy	
HostRocks	Micaceous sandstone					
HangingwallBeds						
FootwallRocks						
Mineralogy						
TraceMinerals						
Comments	Sandstone of Robinsons River Formation, fine plant material common. U-Cu					
Reference	Knight, I., 1983, Geology of the Carboniferous Bay St George Subbasin, Western Newfoundland: Mineral Development Division, Department of Mines and Energy, Government of Newfoundland and Labrador, Memoir 1.					

DepositID 496 **Cont** NA **NameDeposit** Grand Codroy River-highway one

OtherNames

Includes

Country Code CNNF Canada

Lat.Deg 47 **Long.Deg** -59 **Dec.Lat** 47.8688889 **StateProvince** Newfoundland

Lat.Min 52 **Long.Min** -6 **Dec.Long** -59.1152778

Lat.Sec 8 **Long.Sec** -55

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Mississippian **Ma** 340 **Unit** Overfall Brook Member, Codroy

HostRocks Mudstone, siltstone, arkosic pebbly grit, ss

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Host rocks belong to Robinson River Formation. Cu-U. U grades 23-323 ppm, Cu 3000 ppm

Reference Knight, I., 1983, Geology of the Carboniferous Bay St George Subbasin, Western Newfoundland: Mineral Development Division, Department of Mines and Energy, Government of Newfoundland and Labrador, Memoir 1.

DepositID 497 **Cont** NA **NameDeposit** Vermillion River

OtherNames

Includes

Country Code USMT United States

Lat.Deg 47 **Long.Deg** -115 **Dec.Lat** 47.85111111 **StateProvince** Montana

Lat.Min 51 **Long.Min** -22 **Dec.Long** -115.369722

Lat.Sec 04 **Long.Sec** -11

OreMmt 13.6 **CuGrade%** 0.5 **CoGrade%** **AgGradeppm** 30.8

CuMmt .068

Subtype Revett Cu

Age M. Proterozoic **Ma** 1500 **Unit** Revett Fm.

HostRocks Quartzite

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, bornite, feldspar, ankerite

TraceMinerals

Comments

Reference Boleneus, D.E., 2002, unpublished database

DepositID 498 **Cont** NA **NameDeposit** Grand Codroy River-on railway

OtherNames

Includes

Country Code CNNF Canada

Lat.Deg 47 **Long.Deg** -59 **Dec.Lat** 47.8472222 **StateProvince** Newfound land

Lat.Min 50 **Long.Min** -11 **Dec.Long** -59.1844444

Lat.Sec 50 **Long.Sec** -4

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Mississippian **Ma** 340 **Unit** Mollichignick Member, Codroy

HostRocks Grey sandstone with abundant grey mudclasts

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Associated with mudclasts and plant fossils above scour at base of sandstone. Cu-U

Reference Knight, I., 1983, Geology of the Carboniferous Bay St George Subbasin, Western Newfoundland: Mineral Development Division, Department of Mines and Energy, Government of Newfoundland and Labrador, Memoir 1.

DepositID 499 Cont NA NameDeposit Searston

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 47 Long.Deg -59 Dec.Lat 47.8236111 StateProvince Nova Scotia

Lat.Min 49 Long.Min -19 Dec.Long -59.3297222

Lat.Sec 25 Long.Sec -47

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Carboniferous Ma 320 Unit Searston Formation, barachois

HostRocks Green-grey and red sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Knight, I., 1983, Geology of the Carboniferous Bay St George Subbasin, Western Newfoundland: Mineral Development Division, Department of Mines and Energy, Government of Newfoundland and Labrador, Memoir 1.

DepositID 500 **Cont** NA **NameDeposit** Daisy Creek

OtherNames

Includes

Country Code USMT United States

Lat.Deg 47 **Long.Deg** -115 **Dec.Lat** 47.8166667 **StateProvince** Montana

Lat.Min 49 **Long.Min** -19 **Dec.Long** -115.333056

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Middle Proterozoic (Helikian) **Ma** 1400 **Unit** Bonner Formation, Belt

HostRocks Grey to white feldspathic quartzites

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Pb-Ag. Mineralization occurs adjacent to overbank-facies siltite beds.

Reference Stanley, C.R., 1987, Hinsdalite and other products of oxidation at the Daisy Creek Stratabound Copper-Silver Prospect, Northwestern Montana: Canadian Mineralogist, Vol. 25, p. 213-220.

DepositID 501 Cont NA NameDeposit Niagara

OtherNames

Includes

Country Code USID United States

Lat.Deg 47 Long.Deg -115 Dec.Lat 47.6830556 StateProvince Idaho

Lat.Min 40 Long.Min -51 Dec.Long -115.860556

Lat.Sec 59 Long.Sec -38

OreMmt 15 CuGrade%0.47 CoGrade% AgGradeppm 16

CuMmt .0705

Subtype Revett Cu

Age M. Proterozoic Ma 1500 Unit Revett Fm.

HostRocks Quartzite

HangingwallBeds

FootwallRocks

Mineralogy Bornite, chalcopyrite

TraceMinerals

Comments

Reference Boleneus, D.E., 2002, unpublished database

DepositID 502 **Cont** NA **NameDeposit** Nepisiguit River copper

OtherNames

Includes

Country Code CNNB Canada

Lat.Deg 47 **Long.Deg** -65 **Dec.Lat** 47.5708333 **StateProvince** New Brunswick

Lat.Min 34 **Long.Min** -37 **Dec.Long** -65.6205556

Lat.Sec 15 **Long.Sec** -14

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Carboniferous **Ma** 320 **Unit**

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Bailey, L.W., 1898, Geological Survey of Canada, Annual Report 1897, Vol. 10.

DepositID 503 **Cont** NA **NameDeposit** Missoula National

OtherNames

Includes

Country Code USID United States

Lat.Deg 47 **Long.Deg** -115 **Dec.Lat** 47.5044444 **StateProvince** Idaho

Lat.Min 30 **Long.Min** -44 **Dec.Long** -115.743611

Lat.Sec 16 **Long.Sec** -37

OreMmt 4.5 **CuGrade%** 0.5 **CoGrade%** **AgGradeppm** 34

CuMmt .0225

Subtype Revett Cu

Age M. Proterozoic **Ma** 1500 **Unit** Revett Fm.

HostRocks Quartzite

HangingwallBeds

FootwallRocks

Mineralogy Bornite, chalcopyrite, calcite

TraceMinerals

Comments

Reference Boleneus, D.E., 2002, unpublished database

DepositID 504 **Cont** NA **NameDeposit** Mission Mountains

OtherNames

Includes

Country Code USMT United States

Lat.Deg 47 **Long.Deg** -114 **Dec.Lat** 47.5 **StateProvince** Montana

Lat.Min 30 **Long.Min** -4 **Dec.Long** -114.083056

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Middle Proterozoic (Helikian) **Ma** 1400 **Unit** Shepard Fm. of Belt Supergroup

HostRocks Siltite and quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Original Cu minerals Occurrence as heavy mineral grains, interstitial fLakes

Reference Harrison, J.E., 1969, Mineral resources of the Mission Mountains Primitive Area, Missoula and Lake Counties Montana: U.S. Geological Survey, Bulletin 1261-D, 47 p.

DepositID 505 Cont NA NameDeposit Snowstorm

OtherNames

Includes

Country Code USID United States

Lat.Deg 47 Long.Deg -115 Dec.Lat 47.4825 StateProvince Idaho

Lat.Min 28 Long.Min -43 Dec.Long -115.724722

Lat.Sec 57 Long.Sec -29

OreMmt 0.75 CuGrade% 3.33 CoGrade% AgGradeppm 169

CuMmt .024975

Subtype Revett Cu

Age M. Proterozoic Ma 1500 Unit Revett Fm.

HostRocks Quartzite

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, tetrahedrite, bornite, chalcocite

TraceMinerals Gold

Comments Produced 3283 oz. Au

Reference Boleneus, D.E., 2002, unpublished database

DepositID 506 **Cont** NA **NameDeposit** Scapegoat Wilderness

OtherNames Red Ridge

Includes

Country Code USMT United States

Lat.Deg 47 **Long.Deg** -112 **Dec.Lat** 47.2333333 **StateProvince** Montana

Lat.Min 14 **Long.Min** -46 **Dec.Long** -112.766667

Lat.Sec **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Middle Proterozoic (Helikian) **Ma** 1400 **Unit** Spokane, empire, Snowslip

HostRocks Argillite, siltite, quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Along fractures, bedding planes and in intergranular voids of porous rocks. Contains U, Ag.

Reference Mudge, M.R., 1974, Mineral resources of the Scapegoat Wilderness Powell and Lewis and Clark Counties, Montana: U.S. Geological Survey Bulletin 1385-B.

DepositID	507	Cont	NA	NameDeposit	Dingwall
OtherNames					
Includes					
Country Code	CNNS	Canada			
Lat.Deg	46	Long.Deg	-60	Dec.Lat	46.93
Lat.Min	55	Long.Min	-29	Dec.Long	-60.4980556
Lat.Sec	48	Long.Sec	-53		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Uncl.				
Age	Lower Carboniferous	Ma	340	Unit	
HostRocks	Argillite				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11k 16c, 13-Q-5.

DepositID 508 **Cont** NA **NameDeposit** Canyon Creek, Rogers Pass

OtherNames

Includes

Country Code USMT United States

Lat.Deg 46 **Long.Deg** -112 **Dec.Lat** 46.9166667 **StateProvince** Montana

Lat.Min 55 **Long.Min** -4 **Dec.Long** -112.083056

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Proterozoic **Ma** 2000 **Unit** Middle spokane Formation, Belt

HostRocks White feldspathic qzite, green argl and siltite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Maroon rocks enclose potentially economic Cu-Ag-bearing sandstone intervals

Reference Braun, E.R., 1984, Organic control of sandstone-hosted copper-silver mineralization in the Spokane Formation Near Rogers Pass, Western Montana: Montana Geological Society, Guidebook-1984, Field Conference Nw Montana

DepositID 509 **Cont** NA **NameDeposit** Wolf Creek

OtherNames

Includes

Country Code USMT United States

Lat.Deg 46 **Long.Deg** -112 **Dec.Lat** 46.8666667 **StateProvince** Montana

Lat.Min 52 **Long.Min** -7 **Dec.Long** -112.116667

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Middle Proterozoic **Ma** 1400 **Unit** Spokane Fm., Ravalli Group, Belt

HostRocks Limestone, green and red siltstone, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu grade up to 1% and Ag up to 29 ppm. Occurrence in the oolitic limestone

Reference Lange, I.M., Moore, J.N. and Krouse, H.R., 1987, Diagenesis and copper mineralization in carbonates in the Spokane Formation, Belt Supergroup, at Wolf Creek, Montana: Economic Geology, Vol. 82 No. 5, p. 1334-1347.

DepositID 510 Cont NA NameDeposit White Pine

OtherNames

Includes

Country Code USMI United States

Lat.Deg 46 Long.Deg -89 Dec.Lat 46.7666667 StateProvince Michigan

Lat.Min 46 Long.Min -34 Dec.Long -89.5666667

Lat.Sec Long.Sec

OreMmt 688 CuGrade% 1.2 CoGrade% AgGradeppm 40

CuMmt 8.256

Subtype Reduced facies Cu

Age M. Proterozoic Ma 1100 Unit Nonesuch Shale

HostRocks Shale

HangingwallBeds Sandstone

FootwallRocks Conglomerate

Mineralogy Chalcocite, native copper, native silver, calcite

TraceMinerals

Comments

Reference Brown, A.C., 1971, Zoning in the White Pine copper deposit Ontonagon County, Michigan: Economic Geology, v. 66, p. 543-573.

Ensign, C. O., White, W. S., Wright, J. C., Patrick, J. L., Leone, R. J., Hathaway, D. J., Trammell, J. W., Fritts, J. J., and Wright, T. L., 1968, Copper deposits in the Nonesuch Shale, White Pine, Michigan, in Ridge, J. D., ed., Ore Deposits of the United States, 1933-1967; the Graton-Sales Volume: American Institute of Mining, Metallurgical and Petroleum Engineers, New York, p. 460-488.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

Van Schmus, W.R., Green, J.C., Halls, H.C., 1982, Geochronology of Keweenawan rocks of the Lake Superior region: a summary, in Wold, R.J., and Hinz, W. L., eds., Geology and tectonics of the Lake Superior basin:

DepositID 511 Cont NA NameDeposit Presque Isle

OtherNames

Includes

Country Code USMI United States

Lat.Deg 46 Long.Deg -89 Dec.Lat 46.6833333 StateProvince Michigan

Lat.Min 41 Long.Min -59 Dec.Long -89.9833333

Lat.Sec Long.Sec

OreMmt 90.7 CuGrade% 1.3 CoGrade% AgGradeppm 5

CuMmt 1.1791

Subtype Reduced facies Cu

Age M. Proterozoic Ma 1500 Unit Nonesuch Shale

HostRocks Siltstone, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference White, W.S., and Wright, J.C., 1966, Sulfide mineral zoning in the basal Nonsuch shale: Economic Geology, v. 61, p. 1171-1190.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 512 **Cont** NA **NameDeposit** Cobre Lake

OtherNames

Includes

Country Code CNON Canada

Lat.Deg 46 **Long.Deg** -82 **Dec.Lat** 46.6291667 **StateProvince** Ontario

Lat.Min 37 **Long.Min** 48 **Dec.Long** -81.2

Lat.Sec 45 **Long.Sec** 00

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L. Proterozoic **Ma** 2,400 **Unit** Cobalt Grp.:Lorrain, Gordon Lake Fms.

HostRocks Sandstone

HangingwallBeds Argillite

FootwallRocks Redbeds

Mineralogy Chalcopyrite, pyrite, hematite, chlorite

TraceMinerals

Comments Contact Occurrences at transition from fluvial to tidal marine conditions

Reference Chandler, F.W., Lower Proterozoic sabkha-related copper mineralization, paleoenvironment and diagenesis, Cobre lake, Ontario *in* Boyle, R.W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36. p. 225-344.

Pearson, W.N., 1979, Copper metallogeny North Shore Region of Lake Huron: Geological Survey of Canada, Paper 79-1, p. 289-304.

DepositID 513 **Cont** NA **NameDeposit** Flack Lake area

OtherNames

Includes

Country Code CNON Canada

Lat.Deg 46 **Long.Deg** -82 **Dec.Lat** 46.6 **StateProvince** Ontario

Lat.Min 36 **Long.Min** -46 **Dec.Long** -82.7666667

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Proterozoic (Lower Aphebian) **Ma** 1900 **Unit** Gordon Lake Formation, cobalt

HostRocks Sandstone, siltstone, qaurtz arenite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Sparse sabkha-related Cu lies at boundary between Lorrain and Gordon Lake Fms.

Reference Chandler, F.W., 1986, Sedimentology and Paleoclimatology of the Huronian, Lorrain and Gordon Lake Formations and their Bearing on Models for Sedimentary Cu Mineralization: Geological Survey of Canada, Paper 86-1a, p.121.

DepositID 514 Cont NA NameDeposit Stag Lake

OtherNames

Includes

Country Code CNON Canada

Lat.Deg 46 Long.Deg -82 Dec.Lat 46.5861111 StateProvince Ontario

Lat.Min 35 Long.Min -36 Dec.Long -82.6041667

Lat.Sec 10 Long.Sec -15

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Proterozoic Ma 2,400 Unit Cobalt Grp.:Lorrain, Gordon Lake Fms.

HostRocks Quartzite, argillite

HangingwallBeds Argillite

FootwallRocks Redbeds

Mineralogy Chalcopyrite, pyrite, hematite, chlorite

TraceMinerals

Comments Lies 300m below Nipissing diabase sill. Gordon Lake Fm contains tillite. Low grade disseminated Cu occurs over strike length of 3.2 km. Cu also in argillite unit of overlying Gordon Lake Fm

Reference

Shklanka, R., 1969, Copper, nickel, lead and zinc deposits of Ontario: Ontario Department of Mines, Mineral Resources Circular No. 12.

DepositID 515 **Cont** NA **NameDeposit** Kona Dolomite

OtherNames

Includes

Country Code USMI United States

Lat.Deg 46 **Long.Deg** -87 **Dec.Lat** 46.5333333 **StateProvince** Michigan

Lat.Min 32 **Long.Min** -27 **Dec.Long** -87.45

Lat.Sec **Long.Sec**

OreMmt 907 **CuGrade%** 0.3 **CoGrade%** **AgGradeppm**

CuMmt 2.721

Subtype Reduced facies Cu

Age L. Proterozoic **Ma** 2000 **Unit** Wewe Fm.

HostRocks Dolomitic quartzite

HangingwallBeds Argillite

FootwallRocks Argillite

Mineralogy Chalcocite, bornite, chalcopyrite, pyrite

TraceMinerals

Comments Mineralized zone 10 m thick at base of stromatolitic Kona Dolomite. Grade controlled by permeability and abundance of early pyrite

Reference Clark, J.L., 1974, Distribution and mode of occurrence of copper sulfides in the Kona Dolomite, Marquette County, Michigan (abs.) in Giblin, P.E., Bennett, G. and Leahy, E.J., eds., Field Guides for 20th Annual meeting: Institute on Lake Superior Geology Sault Ste. Marie

DepositID 516 **Cont** NA **NameDeposit** Desbarats

OtherNames

Includes

Country Code CNON Canada

Lat.Deg 46 **Long.Deg** -83 **Dec.Lat** 46.3591667 **StateProvince** Ontario

Lat.Min 21 **Long.Min** -58 **Dec.Long** -83.9666667

Lat.Sec 33 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Proterozoic (Huronian) **Ma** 2400 **Unit** Lower Lorrain Fm., Cobalt Group

HostRocks Pink and purple quartzites

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Mineralized quartzite is hematitic, feldspathic, slightly radioactive

Reference Anon, Ontario Department of Mines, Resident Geologist Files, Ssm-1/-2/-3.

Shklanka, R., 1969, Copper, Nickel, Lead and Zinc Deposits of Ontario: Ontario Department of Mines, Mineral Resources Circular No. 12.

Thomson, J.E., 1957, Copper, Nickel, Lead and Zinc Deposits in Ontario: Ontario Department of Mines, Metal Resources Circular No. 2.

DepositID 517 **Cont** NA **NameDeposit** Watersmeet

OtherNames

Includes

Country Code USMI United States

Lat.Deg 46 **Long.Deg** -89 **Dec.Lat** 46.35 **StateProvince** Michigan

Lat.Min 21 **Long.Min** -19 **Dec.Long** -89.3166667

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Lower Proterozoic **Ma** 2000 **Unit** Chocolay Group, Marquette

HostRocks Vitreous white orthoquartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Masive quartzite beds have sharp contact with the tremolitic marble

Reference Cannon, W.F., 1980, Copper-bearing quartzite near Watersmeet, Michigan: U.S. Geological Survey, Open-File Report 80-390, 6 p.

DepositID 518 Cont NA NameDeposit Highway showing

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 46 Long.Deg -60 Dec.Lat 46.2377778 StateProvince Nova Scotia

Lat.Min 14 Long.Min -16 Dec.Long -60.2666667

Lat.Sec 16 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Upper Carboniferous Ma 300 Unit Morien Group

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V., 1985, Personal Communication: Geological Survey of Canada, 1985.

DepositID 519 **Cont** NA **NameDeposit** Mcleod Point

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -60 **Dec.Lat** 46.2352778 **StateProvince** Nova Scotia

Lat.Min 14 **Long.Min** -36 **Dec.Long** -60.6111111

Lat.Sec 7 **Long.Sec** -40

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 520 **Cont** NA **NameDeposit** Gillis Dale

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -61 **Dec.Lat** 46.2286111 **StateProvince** Nova Scotia

Lat.Min 13 **Long.Min** -8 **Dec.Long** -61.1480556

Lat.Sec 43 **Long.Sec** -53

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 521 **Cont** NA **NameDeposit** Squire Point

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -60 **Dec.Lat** 46.2177778 **StateProvince** Nova Scotia

Lat.Min 13 **Long.Min** -35 **Dec.Long** -60.5894444

Lat.Sec 4 **Long.Sec** -22

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Pb-Zn

Reference Binney, W.P., 1975, Copper Occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 522 **Cont** NA **NameDeposit** Point Edward

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -60 **Dec.Lat** 46.1672222 **StateProvince** Nova Scotia

Lat.Min 10 **Long.Min** -16 **Dec.Long** -60.2719444

Lat.Sec 2 **Long.Sec** -19

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Cu

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 523 **Cont** NA **NameDeposit** Kirkwood

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -61 **Dec.Lat** 46.1666667 **StateProvince** Nova Scotia

Lat.Min 10 **Long.Min** -8 **Dec.Long** -61.1497222

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Lower Carboniferous **Ma** 340 **Unit**

HostRocks Arkose sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Pb-Zn

Reference Anon, 1970, , Nova Scotia Dept Mines, Ann Rept (1969)

DepositID 524 **Cont** NA **NameDeposit** Frenchvale

OtherNames Leitches Creek

Includes

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -60 **Dec.Lat** 46.1666667 **StateProvince** Nova Scotia

Lat.Min 10 **Long.Min** -17 **Dec.Long** -60.2997222

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11 K 1b, 13 C 29.

DepositID 525 **Cont** NA **NameDeposit** Mabou

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -61 **Dec.Lat** 46.1647222 **StateProvince** Nova Scotia

Lat.Min 9 **Long.Min** -26 **Dec.Long** -61.4361111

Lat.Sec 53 **Long.Sec** -10

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Lower Carboniferous **Ma** 340 **Unit**

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-U-Ag

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11k 3b, 13-J-35.

DepositID 526 **Cont** NA **NameDeposit** Yankee Line Road

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -60 **Dec.Lat** 46.1330556 **StateProvince** Nova Scotia

Lat.Min 7 **Long.Min** -55 **Dec.Long** -60.9166667

Lat.Sec 59 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 340 **Unit** Horton Group, Windsor Group

HostRocks Conglomerate, limestone

HangingwallBeds

FootwallRocks

Mineralogy Malachite, galena

TraceMinerals

Comments Pb-Cu

Reference Binney, W.P., 1975, Copper Occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 527 Cont NA NameDeposit Gallas Point

OtherNames

Includes

Country Code CNPE Canada

Lat.Deg 46 Long.Deg -62 Dec.Lat 46.1325 StateProvince Prince Edward Island

Lat.Min 7 Long.Min -57 Dec.Long -62.9655556

Lat.Sec 57 Long.Sec -56

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Ma Unit

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments U-Cu-Ba

Reference Barss, M.S., Hacquebard, p.A., and Howie, R.D., 1963, Palynology and stratigraphy of some Upper Pennsylvanian and Permian Rocks of the Maritime Provinces: Geological Survey of Canada, Paper 63-3, 13 p.

DepositID 528 **Cont** NA **NameDeposit** Finlay Beach

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -61 **Dec.Lat** 46.1313889 **StateProvince** Nova Scotia

Lat.Min 7 **Long.Min** -27 **Dec.Long** -61.4602778

Lat.Sec 53 **Long.Sec** -37

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID	529	Cont	NA	NameDeposit	Musgrave showing
OtherNames					
Includes					
Country Code	CNNS	Canada		StateProvince	Nova Scotia
Lat.Deg	46	Long.Deg	-60	Dec.Lat	46.13
Lat.Min	7	Long.Min	-20	Dec.Long	-60.3413889
Lat.Sec	48	Long.Sec	-29		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Reduced facies Cu				
Age	Lower Carboniferous	Ma	340	Unit	Windsor Group
HostRocks	Limestone, conglomerate				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					
Reference	Shaw, W.S., 1974, Cape Breton Mineral Resource Project: Safras Data File (1974), St Francis Xavier University.				

DepositID 530 **Cont** NA **NameDeposit** Mackay showing

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -60 **Dec.Lat** 46.12 **StateProvince** Nova Scotia

Lat.Min 7 **Long.Min** -21 **Dec.Long** -60.3563889

Lat.Sec 12 **Long.Sec** -23

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 340 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Shaw, W.S., 1974, Cape Breton Mineral Resource Project: Safras Data File (1974), St Francis Xavier University.

DepositID	531	Cont	NA	NameDeposit	Macmullin Brook
OtherNames					
Includes					
Country Code	CNNS	Canada			
Lat.Deg	46	Long.Deg	-60	Dec.Lat	46.1038889
Lat.Min	6	Long.Min	-23	Dec.Long	-60.3844444
Lat.Sec	14	Long.Sec	-4		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Reduced facies Cu				
Age	Lower Carboniferous	Ma	340	Unit	Windsor Group
HostRocks	Limestone, conglomrate				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					
Reference	Fletcher, H., 1900, Sydney Coal Field, Geological Survey of Canada Separate Rept 685.				

DepositID 532 **Cont** NA **NameDeposit** Washabuck-1

OtherNames Crow Point

Includes

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -60 **Dec.Lat** 46.075 **StateProvince** Nova Scotia

Lat.Min 4 **Long.Min** -46 **Dec.Long** -60.7666667

Lat.Sec 30 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 340 **Unit** Horton Group

HostRocks Conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Au-Ag-Pb

Reference Kelley, D.G., 1967, Baddeck and Whycocomach Map-Areas: with emphasis on Mississippian Stratigraphy of Central Cape Breton Island, Nova Scotia: Geological Survey of Canada, Memoir 351, 65 p.

DepositID 533 **Cont** NA **NameDeposit** Washabuck-2

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -60 **Dec.Lat** 46.0541667 **StateProvince** Nova Scotia

Lat.Min 3 **Long.Min** -48 **Dec.Long** -60.8019444

Lat.Sec 15 **Long.Sec** -7

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group, Horton Group

HostRocks Limestone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Pb-Zn

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 534 **Cont** NA **NameDeposit** Macbeth Brook

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -60 **Dec.Lat** 46.0722222 **StateProvince** Nova Scotia

Lat.Min 4 **Long.Min** -19 **Dec.Long** -60.3269444

Lat.Sec 20 **Long.Sec** -37

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 340 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V., 1985, Personal Communication: Geological Survey of Canada, 1985.

DepositID 535 **Cont** NA **NameDeposit** Coxheath-contact zone

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -60 **Dec.Lat** 46.0713889 **StateProvince** Nova Scotia

Lat.Min 4 **Long.Min** -23 **Dec.Long** -60.3858333

Lat.Sec 17 **Long.Sec** -9

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 340 **Unit** Windsor Group, Grantmire Fm.-

HostRocks Grey conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Conglomerate has calcareous matrix

Reference Oldale, H.R., 1967, A Centennial of Mining Exploration and Development-Coxheath Hills, Cape Breton: Transactions of Canadian Institute of Mining and Metallurgy, Vol. 70, p. 314-322.

DepositID 536 **Cont** NA **NameDeposit** Moredolphton Warehouse and Landing

OtherNames

Includes

Country Code CNON Canada

Lat.Deg 46 **Long.Deg** -81 **Dec.Lat** 46.0655556 **StateProvince** Ontario

Lat.Min 3 **Long.Min** -47 **Dec.Long** -81.7852778

Lat.Sec 56 **Long.Sec** -7

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Paleozoic (Cambrian) **Ma** 540 **Unit**

HostRocks Quartz sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Pearson, W.N., 1978, Copper metallogeny, Lake Huron Area, Ontario: Geological Survey of Canada, Paper 78-1a, p. 263-268.

DepositID 537 **Cont** NA **NameDeposit** Carr Brook

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -60 **Dec.Lat** 46.0566667 **StateProvince** Nova Scotia

Lat.Min 3 **Long.Min** -21 **Dec.Long** -60.3519444

Lat.Sec 24 **Long.Sec** -7

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 340 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V., 1985, Personal Communication: Geological Survey of Canada, 1985.

DepositID 538 **Cont** NA **NameDeposit** Steele Crossing

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -60 **Dec.Lat** 46.0416667 **StateProvince** Nova Scotia

Lat.Min 2 **Long.Min** -28 **Dec.Long** -60.4666667

Lat.Sec 30 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Carboniferous **Ma** 320 **Unit**

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Zn-Cu-Ag

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11k 01b, 13-C-88.

DepositID 539 **Cont** NA **NameDeposit** Campbell's Brook

OtherNames

Includes Delhanty Brook

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -61 **Dec.Lat** 46.0366667 **StateProvince** Nova Scotia

Lat.Min 2 **Long.Min** -28 **Dec.Long** -61.4680556

Lat.Sec 12 **Long.Sec** -5

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 340 **Unit** Windsor Group

HostRocks Shale, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Shaw, W.S., 1974, Cape Breton Mineral Resource Project: Safras Data File (1974), St Francis Xavier University.

DepositID 540 Cont NA NameDeposit Bois Dale

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 46 Long.Deg -60 Dec.Lat 46.0266667 StateProvince Nova Scotia

Lat.Min 1 Long.Min -26 Dec.Long -60.4447222

Lat.Sec 36 Long.Sec -41

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Carboniferous Ma 320 Unit

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Ag-Zn-Cu

Reference Fletcher, H., 1900, Sydney Coal Field, Geological Survey of Canada Separate Rept 685.

DepositID 541 **Cont** NA **NameDeposit** Lewis Lake

OtherNames

Includes

Country Code CNON Canada

Lat.Deg 46 **Long.Deg** -81 **Dec.Lat** 46.0144444 **StateProvince** Ontario

Lat.Min 0 **Long.Min** -48 **Dec.Long** -81.8002778

Lat.Sec 52 **Long.Sec** -1

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Ordovician(?) **Ma** 470 **Unit**

HostRocks Dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Limited sulphides confined to small, sandy, dolomite-filled depreSandstoneions

Reference Pearson, W.N., 1978, Copper metallogeny, Lake Huron Area, Ontario: Geological Survey of Canada, Paper 78-1a, p. 263-268.

DepositID 542 **Cont** NA **NameDeposit** East Bay

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 46 **Long.Deg** -60 **Dec.Lat** 46.0008333 **StateProvince** Nova Scotia

Lat.Min 0 **Long.Min** -25 **Dec.Long** -60.4269444

Lat.Sec 3 **Long.Sec** -37

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Zn

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 543 **Cont** NA **NameDeposit** Catalone Lake

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -59 **Dec.Lat** 45.9902778 **StateProvince** Nova Scotia

Lat.Min 59 **Long.Min** -59 **Dec.Long** -59.9913889

Lat.Sec 25 **Long.Sec** -29

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 544 **Cont** NA **NameDeposit** Southwest Mabou River

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -61 **Dec.Lat** 45.99 **StateProvince** Nova Scotia

Lat.Min 59 **Long.Min** -24 **Dec.Long** -61.4147222

Lat.Sec 24 **Long.Sec** -53

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Carboniferous **Ma** 330 **Unit**

HostRocks Sandy limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 545 **Cont** NA **NameDeposit** Glen Morrison (gm-1)

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -60 **Dec.Lat** 45.9833333 **StateProvince** Nova Scotia

Lat.Min 58 **Long.Min** -19 **Dec.Long** -60.3166667

Lat.Sec 60 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 546 **Cont** NA **NameDeposit** Christmas Island-1

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -60 **Dec.Lat** 45.9752778 **StateProvince** Nova Scotia

Lat.Min 58 **Long.Min** -44 **Dec.Long** -60.7391667

Lat.Sec 31 **Long.Sec** -21

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Pb-Zn

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 547 **Cont** NA **NameDeposit** Iona

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -60 **Dec.Lat** 45.9625 **StateProvince** Nova Scotia

Lat.Min 57 **Long.Min** -48 **Dec.Long** -60.8097222

Lat.Sec 45 **Long.Sec** -35

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 340 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Zn-Cu

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11 F 15 C, 27-Q-57.

DepositID 548 **Cont** NA **NameDeposit** Whycocomagh

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -61 **Dec.Lat** 45.9619444 **StateProvince** Nova Scotia

Lat.Min 57 **Long.Min** -6 **Dec.Long** -61.1011111

Lat.Sec 43 **Long.Sec** -4

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 549 **Cont** NA **NameDeposit** Christmas Island-2

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -60 **Dec.Lat** 45.9619444 **StateProvince** Nova Scotia

Lat.Min 57 **Long.Min** -46 **Dec.Long** -60.7788889

Lat.Sec 43 **Long.Sec** -44

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Pb-Zn

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 550 **Cont** NA **NameDeposit** Dorchester

OtherNames Colonial Copper

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -64 **Dec.Lat** 45.9286111 **StateProvince** New Brunswick

Lat.Min 55 **Long.Min** -28 **Dec.Long** -64.4763889

Lat.Sec 43 **Long.Sec** -35

OreMmt 2.3 **CuGrade%** 2 **CoGrade%** **AgGradeppm**

CuMmt .046

Subtype Redbed Cu

Age U. Carboniferous **Ma** 300 **Unit** Hopewell Grp.

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Zn in overlying beds, native copper in underlying beds

Reference Brown, A.C., 1975, A study of stratiform copper deposits in Carboniferous strata of New Brunswick and Nova Scotia: Geological Survey of Canada, Report of Activities, Part A, Paper 75-1, p. 598-600.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 551 **Cont** NA **NameDeposit** Little Judique

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -61 **Dec.Lat** 45.9247222 **StateProvince** Nova Scotia

Lat.Min 55 **Long.Min** -26 **Dec.Long** -61.4372222

Lat.Sec 29 **Long.Sec** -14

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Carboniferous **Ma** 320 **Unit** Canso Group

HostRocks Sandstone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Cu

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11f 14c, 27-J-63.

DepositID 552 **Cont** NA **NameDeposit** Salmon River

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -60 **Dec.Lat** 45.9125 **StateProvince** Nova Scotia

Lat.Min 54 **Long.Min** -18 **Dec.Long** -60.3080556

Lat.Sec 45 **Long.Sec** -29

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 340 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Zn

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11 F 16 B, 13-O-28.

DepositID	553	Cont	NA	NameDeposit	Ballantynes Cove
OtherNames					
Includes					
Country Code	CNNS	Canada			
Lat.Deg	45	Long.Deg	-61	Dec.Lat	45.8461111
Lat.Min	50	Long.Min	-55	Dec.Long	-61.9180556
Lat.Sec	46	Long.Sec	-5		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Uncl.				
Age	Devonian	Ma	380	Unit	Mcaras Brook Formation
HostRocks	Conglomerate				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					
Reference	Ells, R.W., 1904, Bulletin on the ores of copper in the Province of Nova Scotia, New Brunswick and Quebec: Geological Survey of Canada Publication, No. 882.				

DepositID 554 **Cont** NA **NameDeposit** South Pugwash, no 3

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.8280556 **StateProvince** Nova Scotia

Lat.Min 49 **Long.Min** -38 **Dec.Long** -63.635

Lat.Sec 41 **Long.Sec** -6

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-U

Reference Shumway, G., 1951, Sedimentary copper, Tatamagouche Area, Nova Scotia:
Massachusetts Institute of Technology, Unpublished M.Sc. thesis.

DepositID 555 **Cont** NA **NameDeposit** Hopewell Cape

OtherNames The Rocks

Includes

Country Code CNNB Canada

Lat.Deg 45 **Long.Deg** -64 **Dec.Lat** 45.825 **StateProvince** New Brunswick

Lat.Min 49 **Long.Min** -34 **Dec.Long** -64.5816667

Lat.Sec 30 **Long.Sec** -54

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Carboniferous **Ma** 320 **Unit** Demoiselle Creek beds, Windsor

HostRocks Stromatolitic and oolitic limestone, sandstone

HangingwallBeds

FootwallRocks

Mineralogy chalcopyrite, sphalerite

TraceMinerals

Comments Cu-Zn

Reference Kirkham, R.V., 1985, Base Metals in Upper Windsor (Codroy) Group oolitic and stromatolitic limestones in the Atlantic Provinces: *in* Current Research, Part A, Geological Survey of Canada, Paper 85-1a, p. 573-585.

DepositID 556 Cont NA NameDeposit South Pugwash-1
OtherNames
Includes
Country Code CNNS Canada
Lat.Deg 45 Long.Deg -63 Dec.Lat 45.8225 StateProvince Nova Scotia
Lat.Min 49 Long.Min -39 Dec.Long -63.6611111
Lat.Sec 21 Long.Sec -40
OreMmt CuGrade% CoGrade% AgGradeppm
CuMmt
Subtype Redbed Cu
Age Upper Carboniferous Ma 290 Unit Pictou Group
HostRocks Sandstone
HangingwallBeds
FootwallRocks
Mineralogy
TraceMinerals
Comments Cu-U

Reference Brummer, J.J., 1958, Supergene copper-uranium deposits in Northern Nova Scotia: Economic Geology, Vol. 53, p. 309-324.

DepositID 557 **Cont** NA **NameDeposit** South Pugwash-2

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.8194444 **StateProvince** Nova Scotia

Lat.Min 49 **Long.Min** -41 **Dec.Long** -63.6863889

Lat.Sec 10 **Long.Sec** -11

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-U

Reference Brummer, J.J., 1958, Supergene copper-uranium deposits in Northern Nova Scotia: Economic Geology, Vol. 53, p. 309-324.

DepositID 558 **Cont** NA **NameDeposit** Rockley

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.8183333 **StateProvince** Nova Scotia

Lat.Min 49 **Long.Min** -45 **Dec.Long** -63.7538889

Lat.Sec 6 **Long.Sec** -14

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Sandstone, siltstone, mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Anon, 1982, Esso Minerals Canada, Company Files.

DepositID 559 **Cont** NA **NameDeposit** Garbarus Lake

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -60 **Dec.Lat** 45.8166667 **StateProvince** Nova Scotia

Lat.Min 49 **Long.Min** -13 **Dec.Long** -60.2166667

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Zn

Reference Shaw, W.S., 1974, Cape Breton Mineral Resource Project: Safras Data File (1974), St Francis Xavier University.

DepositID 560 **Cont** NA **NameDeposit** Treen Point

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.8094444 **StateProvince** Nova Scotia

Lat.Min 48 **Long.Min** -17 **Dec.Long** -63.2961111

Lat.Sec 34 **Long.Sec** -46

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Boss Point Fm., RiverDale Group

HostRocks Greyish sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Shumway, G., 1951, Sedimentary copper, Tatamagouche Area, Nova Scotia:
Massachusetts Institute of Technology, Unpublished M.Sc. thesis.

DepositID 561 **Cont** NA **NameDeposit** Johnstown

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -60 **Dec.Lat** 45.805 **StateProvince** Nova Scotia

Lat.Min 48 **Long.Min** -43 **Dec.Long** -60.7213889

Lat.Sec 18 **Long.Sec** -17

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 340 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Shaw, W.S., 1974, Cape Breton Mineral Resource Project: Safras Data File (1974), St Francis Xavier University.

DepositID 562 **Cont** NA **NameDeposit** Malagash Point

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.8038889 **StateProvince** Nova Scotia

Lat.Min 48 **Long.Min** -14 **Dec.Long** -63.2397222

Lat.Sec 14 **Long.Sec** -23

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Greenish-grey coarse sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Ells, R.W., 1904, Bulletin On the ores of copper in the Province of Nova Scotia, New Brunswick and Quebec: Geological Survey of Canada Publication, No. 882.

DepositID 563 **Cont** NA **NameDeposit** Malagash (north shore)

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.7988889 **StateProvince** Nova Scotia

Lat.Min 47 **Long.Min** -20 **Dec.Long** -63.3486111

Lat.Sec 56 **Long.Sec** -55

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** RiverDale

HostRocks Sandstone, arkose, greywacke, quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Ponsford, M., 1984, Metallic mineral occurrences map and data compilation Central Nova Scotia-Map Sheets 11d and 11e: Nova Scotia Department of Mines and Energy, Open-File 599.

DepositID 564 **Cont** NA **NameDeposit** McIntyre Lake

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -60 **Dec.Lat** 45.79 **StateProvince** Nova Scotia

Lat.Min 47 **Long.Min** -15 **Dec.Long** -60.2563889

Lat.Sec 24 **Long.Sec** -23

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Carboniferous **Ma** 290 **Unit**

HostRocks Conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Pb-Zn-Fe

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous sedimentary rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 565 **Cont** NA **NameDeposit** Lakevale

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -61 **Dec.Lat** 45.7866667 **StateProvince** Nova Scotia

Lat.Min 47 **Long.Min** -54 **Dec.Long** -61.9102778

Lat.Sec 12 **Long.Sec** -37

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 566 **Cont** NA **NameDeposit** Kerrs Mills

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.7727778 **StateProvince** Nova Scotia

Lat.Min 46 **Long.Min** -34 **Dec.Long** -63.5705556

Lat.Sec 22 **Long.Sec** -14

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11 E 14b, 13-E-47, Copper, Wallace, Cumberland County.

DepositID 567 **Cont** NA **NameDeposit** Malagash centre

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.7694444 **StateProvince** Nova Scotia

Lat.Min 46 **Long.Min** -19 **Dec.Long** -63.3233333

Lat.Sec 10 **Long.Sec** -24

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Grey sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Fletcher, H., 1892, Report on geological surveys and explorations in the counties of Pictou and Colchester, Nova Scotia: Geological Survey of Canada Annual Report (1890-91), Vol. 5, Part 2, Part p.

DepositID 568 Cont NA NameDeposit Goshen

OtherNames

Includes

Country Code CNNB Canada

Lat.Deg 45 Long.Deg -65 Dec.Lat 45.7666667 StateProvince New Brunswick

Lat.Min 46 Long.Min -10 Dec.Long -65.1666667

Lat.Sec 0 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Carboniferous Ma 320 Unit Moncton Group

HostRocks Conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Anon, New Brunswick Department of Natural Resources Report 138.

DepositID 569 Cont NA NameDeposit Canfield Dome

OtherNames

Includes Chisholm Brook

Country Code CNNS Canada

Lat.Deg 45 Long.Deg -63 Dec.Lat 45.7666667 StateProvince Nova Scotia

Lat.Min 46 Long.Min -40 Dec.Long -63.6666667

Lat.Sec Long.Sec

OreMmt 0.3 CuGrade% 1.2 CoGrade% AgGradeppm

CuMmt .0036

Subtype Redbed Cu

Age U. Carboniferous Ma 300 Unit Pictou Grp.

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite

TraceMinerals

Comments

Reference Ryan, R.J., Boehmer, R.C., Stea, R.R., and Rogers, P.J., 1989, Geology, geochemistry, and exploration applications for the Permo-Carboniferous redbed copper deposits of the Cumberland Basin, Nova Scotia, Canada *in* Boyle, R.W., Brown, A.C., Jefferson, C.W., Jowett, E.C., and Kirkham, R.V. eds., *Sediment-hosted Stratiform Copper Deposits: Geological Association of Canada Special Paper 36*, p. 245-256.

Ells, R.W., 1904, Bulletin on the ores of copper in the Province of Nova Scotia, New Brunswick and Quebec: Geological Survey of Canada Publication, No. 882.

DepositID 570 **Cont** NA **NameDeposit** Waterside

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.7527778 **StateProvince** Nova Scotia

Lat.Min 45 **Long.Min** -46 **Dec.Long** -62.7830556

Lat.Sec 10 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11 E 15b, 13-M-33.

DepositID 571 **Cont** NA **NameDeposit** King mine

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.7505556 **StateProvince** Nova Scotia

Lat.Min 45 **Long.Min** -10 **Dec.Long** -63.17

Lat.Sec 2 **Long.Sec** -12

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Grey slaty sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-U-Ag

Reference Goudge, M.G., 1947, Report on the metalliferous mines, Nova Scotia Dept Mines:
Annual Report (1946).

DepositID 572 **Cont** NA **NameDeposit** Caribou River

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.7505556 **StateProvince** Nova Scotia

Lat.Min 45 **Long.Min** -48 **Dec.Long** -62.8041667

Lat.Sec 2 **Long.Sec** -15

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Ells, R.W., 1904, Bulletin on the ores of copper in the Province of Nova Scotia, New Brunswick and Quebec: Geological Survey of Canada Publication, No. 882.

DepositID 573 **Cont** NA **NameDeposit** Riverside mine

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.7497222 **StateProvince** Nova Scotia

Lat.Min 44 **Long.Min** -50 **Dec.Long** -63.8452778

Lat.Sec 59 **Long.Sec** -43

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11 E 12c, 13-E-23.

DepositID 574 **Cont** NA **NameDeposit** Grant Brook

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.7405556 **StateProvince** Nova Scotia

Lat.Min 44 **Long.Min** -34 **Dec.Long** -63.5730556

Lat.Sec 26 **Long.Sec** -23

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Boss Point Formation,

HostRocks Sandstone, arkose, greywacke, quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Two occurrences 1.75 km apart along west to east flowing Grant Brook

Reference Ponsford, M., 1984, Metallic mineral occurrences map and data compilation Central Nova Scotia-Map Sheets 11d and 11e: Nova Scotia Department of Mines and Energy, Open-File 599.

DepositID 575 **Cont** NA **NameDeposit** Big Marsh

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.7394444 **StateProvince** Nova Scotia

Lat.Min 44 **Long.Min** 0 **Dec.Long** -62.0055556

Lat.Sec 22 **Long.Sec** -20

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 576 **Cont** NA **NameDeposit** Blockhouse Point

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.7383333 **StateProvince** Nova Scotia

Lat.Min 44 **Long.Min** -20 **Dec.Long** -63.3388889

Lat.Sec 18 **Long.Sec** -20

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Grey sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-U

Reference Shumway, G., 1951, Sedimentary copper, Tatamagouche Area, Nova Scotia:
Massachusetts Institute of Technology, Unpublished M.Sc. thesis.

DepositID	577	Cont	NA	NameDeposit	Nappan
OtherNames					
Includes					
Country Code	CNNS	Canada			
Lat.Deg	45	Long.Deg	-64	Dec.Lat	45.7333333
Lat.Min	43	Long.Min	-15	Dec.Long	-64.25
Lat.Sec	60	Long.Sec	0		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Redbed Cu				
Age	Upper Carboniferous	Ma	330	Unit	Cumberland Group
HostRocks	Grey sandstone				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments	Sandstone contains considerable carbonized plant remains. Contains Pb-Au-Ag				
Reference	Dawson, G.M., 1898, Operations of the Geological Survey for 1897: Geological Survey of Canada Summary Rept, Vol. 10, Part A.				

DepositID	578	Cont	NA	NameDeposit	Knoydart Point and Brook	
OtherNames						
Includes						
Country Code	CNNS	Canada		StateProvince	Nova Scotia	
Lat.Deg	45	Long.Deg	-62	Dec.Lat	45.7219444	
Lat.Min	43	Long.Min	-14	Dec.Long	-62.2358333	
Lat.Sec	19	Long.Sec	-9			
OreMmt		CuGrade%		CoGrade%		AgGradeppm
		CuMmt				
Subtype	Redbed Cu					
Age	Upper Mississippian			Ma	340	Unit Ardness Formation, Canso
HostRocks	Shale limy sandstone					
HangingwallBeds						
FootwallRocks						
Mineralogy						
TraceMinerals						
Comments	Mineralization concentrated in bed 1 foot thick. Cu-Pb-Zn-As-Ag					
Reference	Wiese, R.G., 1957, An occurrence of mineralized organic material in Nova Scotia: Economic Geology, Vol. 52, No. 1.					

DepositID	579	Cont	NA	NameDeposit	French River mouth
OtherNames					
Includes					
Country Code	CNNS	Canada			
Lat.Deg	45	Long.Deg	-63	Dec.Lat	45.7191667
Lat.Min	43	Long.Min	-18	Dec.Long	-63.3016667
Lat.Sec	9	Long.Sec	-6		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Redbed Cu				
Age	Upper Carboniferous	Ma	290	Unit	Pictou Group
HostRocks	Sandstone, shale				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					
Reference	Shumway, G., 1951, Sedimentary copper, Tatamagouche Area, Nova Scotia: Massachusetts Institute of Technology, Unpublished M.Sc. thesis.				

DepositID	580	Cont	NA	NameDeposit	Fleming Brook mine
OtherNames					
Includes					
Country Code	CNNS	Canada			
Lat.Deg	45	Long.Deg	-63	Dec.Lat	45.7186111
Lat.Min	43	Long.Min	-33	Dec.Long	-63.5611111
Lat.Sec	7	Long.Sec	-40		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Redbed Cu				
Age	Upper Carboniferous			Ma	290
				Unit	Pictou Group
HostRocks	Blue-grey shale, silty shale				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					
Reference	Shumway, G., 1951, Sedimentary copper, Tatamagouche Area, Nova Scotia: Massachusetts Institute of Technology, Unpublished M.Sc. thesis.				

DepositID 581 **Cont** NA **NameDeposit** Soldier Cove north

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -60 **Dec.Lat** 45.7166667 **StateProvince** Nova Scotia

Lat.Min 43 **Long.Min** -44 **Dec.Long** -60.7466667

Lat.Sec 0 **Long.Sec** -48

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Fl

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 582 **Cont** NA **NameDeposit** Tatamagouche

OtherNames

Includes Woodlock Brook prospect

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.6963889 **StateProvince** Nova Scotia

Lat.Min 41 **Long.Min** -16 **Dec.Long** -63.2805556

Lat.Sec 47 **Long.Sec** -50

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-U

Reference Ponsford, M., 1984, Metallic Mineral Occurrences Map and Data Compilation Central Nova Scotia-Map Sheets 11d and 11e: Nova Scotia Department of Mines and Energy, Open-File 599.

DepositID 583 **Cont** NA **NameDeposit** River john (east branch)

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.6955556 **StateProvince** Nova Scotia

Lat.Min 41 **Long.Min** -2 **Dec.Long** -63.0472222

Lat.Sec 44 **Long.Sec** -50

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Grey sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Ells, R.W., 1904, Bulletin on the ores of copper in the Province of Nova Scotia, New Brunswick and Quebec: Geological Survey of Canada Publication, No. 882.

DepositID 584 **Cont** NA **NameDeposit** Biz Brook

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.6952778 **StateProvince** Nova Scotia

Lat.Min 41 **Long.Min** -10 **Dec.Long** -63.1691667

Lat.Sec 43 **Long.Sec** -9

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments U-Cu

Reference Dunsmore, H.E., 1977, A new genetic model for uranium-copper mineralization, Permo-Carboniferous Basin, Northern Nova Scotia: in Report of Activities, Part B, Geological Survey of Canada, Paper 77-1b, p. 247-253.

DepositID 585 **Cont** NA **NameDeposit** Bear Cove

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -60 **Dec.Lat** 45.6944444 **StateProvince** Nova Scotia

Lat.Min 41 **Long.Min** -21 **Dec.Long** -60.3558333

Lat.Sec 40 **Long.Sec** -21

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Carboniferous **Ma** 300 **Unit** Windsor Group

HostRocks Limestone, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 586 **Cont** NA **NameDeposit** Scotch Hill

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.6930556 **StateProvince** Nova Scotia

Lat.Min 41 **Long.Min** -49 **Dec.Long** -62.8288889

Lat.Sec 35 **Long.Sec** -44

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Riverdale Group

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11 F 16 B, 13-O-28.

DepositID 587 **Cont** NA **NameDeposit** Midway Copper Belt-occ 7

OtherNames

Includes

Country Code CNNB Canada

Lat.Deg 45 **Long.Deg** -64 **Dec.Lat** 45.6919444 **StateProvince** New Brunswick

Lat.Min 41 **Long.Min** -44 **Dec.Long** -64.7416667

Lat.Sec 31 **Long.Sec** -30

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Carboniferous **Ma** 320 **Unit** Maringouin, Sherpody

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu occurrences along regressive transition from marine to continental rocks

Reference Potter, R.R., 1967, Metallogenic investigations Kennebecasis Zone (2): Geological Investigations in New Brunswick, New Brunswick Department of Natural Resources, Information Circular 67-1.

DepositID 588 **Cont** NA **NameDeposit** Feeley mine

OtherNames

Includes Wentworth

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.69 **StateProvince** Nova Scotia

Lat.Min 41 **Long.Min** -33 **Dec.Long** -63.5522222

Lat.Sec 24 **Long.Sec** -8

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Grey sandstone, grey-green siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-U

Reference Shumway, G., 1951, Sedimentary copper, Tatamagouche Area, Nova Scotia: Massachusetts Institute of Technology, Unpublished M.Sc. thesis.

Dunsmore, H.E., 1977, A New Genetic Model for Uranium-Copper Mineralization, Permo-Carboniferous Basin, Northern Nova Scotia: in Report of Activities, Part B, Geological Survey of Canada, Paper 77-1b, p. 247-253.

DepositID 589 **Cont** NA **NameDeposit** Cape Jack

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -61 **Dec.Lat** 45.6888889 **StateProvince** Nova Scotia

Lat.Min 41 **Long.Min** -33 **Dec.Long** -61.5619444

Lat.Sec 20 **Long.Sec** -43

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 340 **Unit** Windsor Group

HostRocks Limestone, sandstone, siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Zn-Cu

Reference Benson, D.G., 1970, Notes To Accompany Geological Map of Antigonish and Cape George Map-Areas, Nova Scotia: Geological Survey of Canada, Paper 70-8, 2 p.

DepositID	590	Cont	NA	NameDeposit	Matheson prospect
OtherNames					
Includes					
Country Code	CNNS	Canada			
Lat.Deg	45	Long.Deg	-63	Dec.Lat	45.6875
Lat.Min	41	Long.Min	-14	Dec.Long	-63.2386111
Lat.Sec	15	Long.Sec	-19		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Redbed Cu				
Age	Upper Carboniferous	Ma	290	Unit	Pictou Group
HostRocks	Conglomerate, shale				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					
Reference	Shumway, G., 1951, Sedimentary copper, Tatamagouche Area, Nova Scotia: Massachusetts Institute of Technology, Unpublished M.Sc. thesis.				

DepositID 591 **Cont** NA **NameDeposit** New Horton mine

OtherNames

Includes

Country Code CNNB Canada

Lat.Deg 45 **Long.Deg** -64 **Dec.Lat** 45.6866667 **StateProvince** New Brunswick

Lat.Min 41 **Long.Min** -42 **Dec.Long** -64.7113889

Lat.Sec 12 **Long.Sec** -41

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Carboniferous **Ma** 320 **Unit** Maringouin, Sherpody

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag-Au-Sn occurrences along regressive transition from marine to continental rocks

Reference Ball, F.D., and Gemmell, D.E., 1975, Dorchester Mines: Carboniferous Compilation, Vol. 4 (Uranium and Base Metals), New Brunswick Mineral Resources Branch, Topical Report 75-22.

Wright, W.J., 1951, New Horton copper deposits: New Brunswick Department of Lands and Mines Paper 51-2.

DepositID 592 Cont NA NameDeposit Mine hole Brook

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 Long.Deg -63 Dec.Lat 45.6797222 StateProvince Nova Scotia

Lat.Min 40 Long.Min -14 Dec.Long -63.2472222

Lat.Sec 47 Long.Sec -50

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous Ma 290 Unit Pictou Group

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Shumway, G., 1951, Sedimentary copper, Tatamagouche Area, Nova Scotia:
Massachusetts Institute of Technology, Unpublished M.Sc. thesis.

DepositID 593 **Cont** NA **NameDeposit** Black River-1

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -61 **Dec.Lat** 45.6902778 **StateProvince** Nova Scotia

Lat.Min 41 **Long.Min** -7 **Dec.Long** -61.1291667

Lat.Sec 25 **Long.Sec** -45

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 340 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Cu-Zn

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11 F 11 D, 27-O-3, Lead, Black River, Richmond County.

DepositID 594 **Cont** NA **NameDeposit** Black River-2

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.6772222 **StateProvince** Nova Scotia

Lat.Min 40 **Long.Min** -12 **Dec.Long** -63.21

Lat.Sec 38 **Long.Sec** -36

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-U. 240 tons of ore avg 3.35% Cu was shipped 1907-1908

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11 E 11c, 13-D-45, Tatamagouche.

DepositID 595 **Cont** NA **NameDeposit** Balfron

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.6736111 **StateProvince** Nova Scotia

Lat.Min 40 **Long.Min** -13 **Dec.Long** -63.2247222

Lat.Sec 25 **Long.Sec** -29

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Shumway, G., 1951, Sedimentary copper, Tatamagouche Area, Nova Scotia: Massachusetts Institute of Technology, Unpublished M.Sc. thesis.

Dunsmore, H.E., 1977, A new genetic model for uranium-copper mineralization, Permo-Carboniferous Basin, Northern Nova Scotia: in Report of Activities, Part B, Geological Survey of Canada, Paper 77-1b, p. 247-253.

DepositID	596	Cont	NA	NameDeposit	Midway Copper Belt-shaft no 1
OtherNames					
Includes					
Country Code	CNNB	Canada			
Lat.Deg	45	Long.Deg	-64	Dec.Lat	45.6725
Lat.Min	40	Long.Min	-47	Dec.Long	-64.7852778
Lat.Sec	21	Long.Sec	-7		
OreMmt		CuGrade%		CoGrade%	
		CuMmt		AgGradeppm	
Subtype	Redbed Cu				
Age	Carboniferous	Ma	320	Unit	Maringouin, Sherpody
HostRocks	Sandstone, conglomerate				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments	Cu occurrences along regressive transition from marine to continental rocks				
Reference	Potter, R.R., 1967, Metallogenic investigations Kennebecasis Zone (2): Geological Investigations in New Brunswick, New Brunswick Department of Natural Resources, Information Circular 67-1.				

DepositID 597 **Cont** NA **NameDeposit** Midway Copper Belt-pit 3

OtherNames

Includes

Country Code CNNB Canada

Lat.Deg 45 **Long.Deg** -64 **Dec.Lat** 45.67 **StateProvince** New Brunswick

Lat.Min 40 **Long.Min** -47 **Dec.Long** -64.7897222

Lat.Sec 12 **Long.Sec** -23

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Carboniferous **Ma** 320 **Unit** Maringouin, Sherpody

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag-Au occurrences along regressive transition from marine to continental rocks

Reference Potter, R.R., 1967, Metallogenic investigations Kennebecasis Zone (2): Geological Investigations in New Brunswick, New Brunswick Department of Natural Resources, Information Circular 67-1.

DepositID 598 **Cont** NA **NameDeposit** Cape Blue

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -61 **Dec.Lat** 45.6688889 **StateProvince** Nova Scotia

Lat.Min 40 **Long.Min** -35 **Dec.Long** -61.5919444

Lat.Sec 8 **Long.Sec** -31

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy Malachite

TraceMinerals

Comments Cu-Pb

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 599 **Cont** NA **NameDeposit** Oliver

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.6683333 **StateProvince** Nova Scotia

Lat.Min 40 **Long.Min** -19 **Dec.Long** -63.3219444

Lat.Sec 6 **Long.Sec** -19

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Grey sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments In 1877 18.5 tons ore shipped, several prospects

Reference Bancroft, M.F., 1944, Copper deposits Wentworth District Nova Scotia: Nova Scotia Department of Mines, Annual Report (1943), p. 94-105.

Messervey, J.P., 1929, Copper in Nova Scotia: Nova Scotia Department of Mines, Pamphlet No. 7.

DepositID	600	Cont	NA	NameDeposit	Palmer mine
OtherNames					
Includes					
Country Code	CNNS	Canada			
Lat.Deg	45	Long.Deg	-63	Dec.Lat	45.6672222
Lat.Min	40	Long.Min	-36	Dec.Long	-63.605
Lat.Sec	2	Long.Sec	-18		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Redbed Cu				
Age	Upper Carboniferous	Ma	290	Unit	Pictou Group
HostRocks	Grey shales				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					
Reference	Messervey, J.P., 1929, Copper in Nova Scotia: Nova Scotia Department of Mines, Pamphlet No. 7.				

DepositID 601 **Cont** NA **NameDeposit** Oliver-no 1

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.6622222 **StateProvince** Nova Scotia

Lat.Min 39 **Long.Min** -19 **Dec.Long** -63.3258333

Lat.Sec 44 **Long.Sec** -33

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Ells, R.W., 1904, Bulletin on the ores of copper in the Province of Nova Scotia, New Brunswick and Quebec: Geological Survey of Canada Publication, No. 882.

DepositID 602 **Cont** NA **NameDeposit** Yellow Brook

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.6608333 **StateProvince** Nova Scotia

Lat.Min 39 **Long.Min** -11 **Dec.Long** -63.1877778

Lat.Sec 39 **Long.Sec** -16

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Sandstone, arkose, greywacke, quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Ponsford, M., 1984, Metallic mineral occurrences map and data compilation Central Nova Scotia-Map Sheets 11d and 11e: Nova Scotia Department of Mines and Energy, Open-File 599.

DepositID 603 **Cont** NA **NameDeposit** Midway Copper Belt-pit 2

OtherNames

Includes

Country Code CNNB Canada

Lat.Deg 45 **Long.Deg** -64 **Dec.Lat** 45.6566667 **StateProvince** New Brunswick

Lat.Min 39 **Long.Min** -48 **Dec.Long** -64.8016667

Lat.Sec 24 **Long.Sec** -6

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Carboniferous **Ma** 320 **Unit** Maringouin, Sherpody

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag occurrences along regressive transition from marine to continental rocks

Reference Wright, W.J., 1951, New Horton copper deposits: New Brunswick Department of Lands and Mines Paper 51-2.

DepositID	604	Cont	NA	NameDeposit	Scotsburn Brook
OtherNames					
Includes					
Country Code	CNNS	Canada			
Lat.Deg	45	Long.Deg	-62	Dec.Lat	45.6561111
Lat.Min	39	Long.Min	-52	Dec.Long	-62.8786111
Lat.Sec	22	Long.Sec	-43		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Redbed Cu				
Age	Upper Carboniferous	Ma	290	Unit	River Dale Group
HostRocks	Sandstone				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					
Reference	Anon, Nova Scotia Department of Mines, Assessment File, 11 E 10 C, 13-M-20, Copper, Plainfield, Pictou County.				

DepositID 605 **Cont** NA **NameDeposit** Balmoral Brook

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.6522222 **StateProvince** Nova Scotia

Lat.Min 39 **Long.Min** -13 **Dec.Long** -63.2202778

Lat.Sec 8 **Long.Sec** -13

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11 E 11c, 13-D-45, Copper, Tatamagouche, Colchester County.

DepositID 606 **Cont** NA **NameDeposit** Midway Copper Belt-pit 1

OtherNames

Includes

Country Code CNNB Canada

Lat.Deg 45 **Long.Deg** -64 **Dec.Lat** 45.6513889 **StateProvince** New Brunswick

Lat.Min 39 **Long.Min** -48 **Dec.Long** -64.8097222

Lat.Sec 5 **Long.Sec** -35

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Carboniferous **Ma** 320 **Unit** Maringouin, Sherpody

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu occurrences along regressive transition from marine to continental rocks

Reference Boyd, R.T., 1978, Gulf Minerals Canada Limited report on the Midway Claims Albert County New Brunswick: New Brunswick Mineral Resources Branch Assessment File No. 472197.

DepositID 607 **Cont** NA **NameDeposit** Little Ridge-pit 13

OtherNames

Includes

Country Code CNNB Canada

Lat.Deg 45 **Long.Deg** -64 **Dec.Lat** 45.6472222 **StateProvince** New Brunswick

Lat.Min 38 **Long.Min** -44 **Dec.Long** -64.7372222

Lat.Sec 50 **Long.Sec** -14

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Carboniferous **Ma** 320 **Unit** Maringouin, Sherpody

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu occurrences along regressive transition from marine to continental rocks

Reference Wright, W.J., 1951, New Horton copper deposits: New Brunswick Department of Lands and Mines Paper 51-2.

DepositID 608 Cont NA NameDeposit Lower North Grant
OtherNames
Includes
Country Code CNNS Canada
Lat.Deg 45 Long.Deg -61 Dec.Lat 45.6469444 StateProvince Nova Scotia
Lat.Min 38 Long.Min -59 Dec.Long -61.9902778
Lat.Sec 49 Long.Sec -25

OreMmt CuGrade% CoGrade% AgGradeppm
CuMmt
Subtype Reduced facies Cu
Age Lower Carboniferous Ma 330 Unit Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 609 **Cont** NA **NameDeposit** Oliver south

OtherNames

Includes Central New Annan

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.6455556 **StateProvince** Nova Scotia

Lat.Min 38 **Long.Min** -18 **Dec.Long** -63.3133333

Lat.Sec 44 **Long.Sec** -48

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Pictou Group

HostRocks Grey sandstone, conglomerate, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Shumway, G., 1951, Sedimentary copper, Tatamagouche Area, Nova Scotia:
Massachusetts Institute of Technology, Unpublished M.Sc. thesis.

DepositID 610 **Cont** NA **NameDeposit** Plainfield Brook

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.6341667 **StateProvince** Nova Scotia

Lat.Min 38 **Long.Min** -57 **Dec.Long** -62.9572222

Lat.Sec 3 **Long.Sec** -26

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Devonian **Ma** 370 **Unit** Falls Formation

HostRocks Sandstone, arkose, greywacke, quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11 E 10 C, 13-M-20, Copper, Plainfield, Pictou County.

DepositID 611 Cont NA NameDeposit Willies Brook

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 Long.Deg -62 Dec.Lat 45.6338889 StateProvince Nova Scotia

Lat.Min 38 Long.Min -3 Dec.Long -62.05

Lat.Sec 2 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Devonian-Carboniferous Ma 330 Unit

HostRocks Conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 612 **Cont** NA **NameDeposit** Rights River-main showing

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.6333333 **StateProvince** Nova Scotia

Lat.Min 37 **Long.Min** -1 **Dec.Long** -62.02

Lat.Sec 60 **Long.Sec** -12

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Dark grey limestone, green conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 613 **Cont** NA **NameDeposit** Durham

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.6322222 **StateProvince** Nova Scotia

Lat.Min 37 **Long.Min** -47 **Dec.Long** -62.7955556

Lat.Sec 56 **Long.Sec** -44

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Possibly Boss Point Fm.,

HostRocks Greenish grey conglomerate, red sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Ellis, R.W., 1904, Bulletin on the ores of copper in the Province of Nova Scotia, New Brunswick and Quebec: Geological Survey of Canada Publication, No. 882.

DepositID 614 **Cont** NA **NameDeposit** East Wallace River

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.6319444 **StateProvince** Nova Scotia

Lat.Min 37 **Long.Min** -31 **Dec.Long** -63.5222222

Lat.Sec 55 **Long.Sec** -20

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Carboniferous **Ma** 290 **Unit** Boss Point Fm.

HostRocks Grey sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Shumway, G., 1951, Sedimentary copper, Tatamagouche Area, Nova Scotia: Massachusetts Institute of Technology, Unpublished M.Sc. thesis.

DepositID 615 **Cont** NA **NameDeposit** Rights River-railway showing

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.6294444 **StateProvince** Nova Scotia

Lat.Min 37 **Long.Min** -2 **Dec.Long** -62.0333333

Lat.Sec 46 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Conglomerate, limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 616 **Cont** NA **NameDeposit** Keaton Point

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -61 **Dec.Lat** 45.6263889 **StateProvince** Nova Scotia

Lat.Min 37 **Long.Min** -23 **Dec.Long** -61.3891667

Lat.Sec 35 **Long.Sec** -21

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 617 **Cont** NA **NameDeposit** Brierly Brook-2

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.6122222 **StateProvince** Nova Scotia

Lat.Min 36 **Long.Min** -3 **Dec.Long** -62.0625

Lat.Sec 44 **Long.Sec** -45

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Argillaceous limestone, grey-red boulder congl

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 618 **Cont** NA **NameDeposit** Monastery

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -61 **Dec.Lat** 45.5972222 **StateProvince** Nova Scotia

Lat.Min 35 **Long.Min** -38 **Dec.Long** -61.6455556

Lat.Sec 50 **Long.Sec** -44

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 340 **Unit** Windsor Group

HostRocks Sandstone, limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Cu

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11 F 12 A, 07-B-34, Base Metals, Meadows Brook, Antigonish County.

DepositID 619 **Cont** NA **NameDeposit** Telford

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.5811111 **StateProvince** Nova Scotia

Lat.Min 34 **Long.Min** -29 **Dec.Long** -62.4891667

Lat.Sec 52 **Long.Sec** -21

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Carboniferous **Ma** 320 **Unit** Canso Group

HostRocks Greywacke, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Zn-Cu-Fe

Reference Benson, D.G., 1965, Merigomish (11 E/9) Map-Area: in Report of Activities: Field, 1964, Geological Survey of Canada, Paper 65-1, p. 125.

DepositID 620 **Cont** NA **NameDeposit** James River station

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.5777778 **StateProvince** Nova Scotia

Lat.Min 34 **Long.Min** -7 **Dec.Long** -62.1205556

Lat.Sec 40 **Long.Sec** -14

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Mississippian **Ma** 340 **Unit** Windsor Group

HostRocks Argillaceous limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Zn-Pb

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous sedimentary rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 621 **Cont** NA **NameDeposit** Pomquet River

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -61 **Dec.Lat** 45.5705556 **StateProvince** Nova Scotia

Lat.Min 34 **Long.Min** -49 **Dec.Long** -61.8319444

Lat.Sec 14 **Long.Sec** -55

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Carboniferous **Ma** 320 **Unit** Windsor Group

HostRocks Mottled pale to dark brown oolitic limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V., 1985, Base metals in Upper Windsor (Codroy) Group Oolitic and stromatolitic limestones in the Atlantic Provinces: in Current Research, Part A, Geological Survey of Canada, Paper 85-1a, p. 573-585.

DepositID 622 **Cont** NA **NameDeposit** Steep Creek

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -61 **Dec.Lat** 45.5661111 **StateProvince** Nova Scotia

Lat.Min 33 **Long.Min** -21 **Dec.Long** -61.3544444

Lat.Sec 58 **Long.Sec** -16

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 623 **Cont** NA **NameDeposit** Glen Road

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.5511111 **StateProvince** Nova Scotia

Lat.Min 33 **Long.Min** -1 **Dec.Long** -62.0275

Lat.Sec 4 **Long.Sec** -39

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Lower Carboniferous **Ma** 320 **Unit** MaCumber Formation, Windsor

HostRocks Green conglomerate, breccia, anhydrite, gypsum

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Zn-Pb-Ag

Reference Boehner, R., 1985, Nova Scotia Department of Mines: Personal Communication

DepositID 624 **Cont** NA **NameDeposit** Meadow Green

OtherNames Kennco hole 6

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -61 **Dec.Lat** 45.5511111 **StateProvince** Nova Scotia

Lat.Min 33 **Long.Min** -48 **Dec.Long** -61.8136111

Lat.Sec 4 **Long.Sec** -49

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Benson, D.G., 1970, Notes To accompany geological map of Antigonish and Cape George Map-Areas, Nova Scotia: Geological Survey of Canada, Paper 70-8, 2 p.

DepositID 625 **Cont** NA **NameDeposit** Limerock

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.55 **StateProvince** Nova Scotia

Lat.Min 32 **Long.Min** -51 **Dec.Long** -62.85

Lat.Sec 60 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Carboniferous **Ma** 320 **Unit** Windsor Group

HostRocks Dark grey fenestral and black fossiliferous ls

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Pb

Reference Kirkham, R.V., 1985, Base metals in Upper Windsor (Codroy) Group Oolitic and stromatolitic limestones in the Atlantic Provinces: in Current Research, Part A, Geological Survey of Canada, Paper 85-1a, p. 573-585.

DepositID 626 **Cont** NA **NameDeposit** Union Centre

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.5483333 **StateProvince** Nova Scotia

Lat.Min 32 **Long.Min** -45 **Dec.Long** -62.7547222

Lat.Sec 54 **Long.Sec** -17

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Mississippian **Ma** 340 **Unit** Cumberland Group

HostRocks Sandstone, arkose, greywacke, quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Fletcher, H., 1892, Report on geological surveys and explorations in the Counties of Pictou and Colchester, Nova Scotia: Geological Survey of Canada Annual Report (1890-91), Vol. 5, Part 2, Part p.

DepositID 627 **Cont** NA **NameDeposit** St Joseph

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.5419444 **StateProvince** Nova Scotia

Lat.Min 32 **Long.Min** -5 **Dec.Long** -62.0972222

Lat.Sec 31 **Long.Sec** -50

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 340 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Fletcher, H., 1887, Report on geological surveys and explorations in the Counties of Guysborough, Antigonish, Pictou, Colchester and Halifax Nova Scotia: Geological Survey of Canada Annual Report (1886), Vol. 2, Part p.

Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 628 **Cont** NA **NameDeposit** Mclellan Brook

OtherNames Stewart Brook

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.5383333 **StateProvince** Nova Scotia

Lat.Min 32 **Long.Min** -35 **Dec.Long** -62.5969444

Lat.Sec 18 **Long.Sec** -49

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Carboniferous **Ma** 320 **Unit** Windsor Group

HostRocks Dark grey oolitic and stromatolitic limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V., 1985, Base metals in Upper Windsor (Codroy) Group Oolitic and stromatolitic limestones in the Atlantic Provinces: in Current Research, Part A, Geological Survey of Canada, Paper 85-1a, p. 573-585.

DepositID	629	Cont	NA	NameDeposit	Pitchers Farm-1
OtherNames					
Includes					
Country Code	CNNS	Canada			
Lat.Deg	45	Long.Deg	-61	Dec.Lat	45.5372222
Lat.Min	32	Long.Min	-59	Dec.Long	-61.9847222
Lat.Sec	14	Long.Sec	-5		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Uncl.				
Age	Carboniferous	Ma	290	Unit	Canso Group
HostRocks	Sandstone, shale				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					
Reference	Anon, Nova Scotia Department of Mines, Assessment File, 11 F 12 B, 13-B-30, Copper, Pitchers Farm, Antigonish County.				

DepositID 630 **Cont** NA **NameDeposit** Pitchers Farm-2

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -61 **Dec.Lat** 45.5344444 **StateProvince** Nova Scotia

Lat.Min 32 **Long.Min** -57 **Dec.Long** -61.9622222

Lat.Sec 4 **Long.Sec** -44

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Carboniferous **Ma** 330 **Unit** Canso Group

HostRocks Shale, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11 F 12 C, 13-B-30 (01)

DepositID 631 **Cont** NA **NameDeposit** Mcpherson

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -61 **Dec.Lat** 45.5283333 **StateProvince** Nova Scotia

Lat.Min 31 **Long.Min** -54 **Dec.Long** -61.9069444

Lat.Sec 42 **Long.Sec** -25

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor Group

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Benson, D.G., 1970, Notes To accompany geological map of Antigonish and Cape George Map-Areas, Nova Scotia: Geological Survey of Canada, Paper 70-8, 2 p.

DepositID 632 **Cont** NA **NameDeposit** Mclellan Brook holes 1 2 and 3
OtherNames
Includes
Country Code CNNS Canada
Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.5244444 **StateProvince** Nova Scotia
Lat.Min 31 **Long.Min** -36 **Dec.Long** -62.6138889
Lat.Sec 28 **Long.Sec** -50
OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**
CuMmt
Subtype Reduced facies Cu
Age Carboniferous **Ma** 320 **Unit** Windsor Group
HostRocks Oolitic limestone, stromatolitic limestone
HangingwallBeds
FootwallRocks
Mineralogy
TraceMinerals
Comments

Reference Kirkham, R.V., 1985, Base metals in Upper Windsor (Codroy) Group Oolitic and stromatolitic limestones in the Atlantic Provinces: in Current Research, Part A, Geological Survey of Canada, Paper 85-1a, p. 573-585.

DepositID 633 **Cont** NA **NameDeposit** Churchville Road

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.5094444 **StateProvince** Nova Scotia

Lat.Min 30 **Long.Min** -38 **Dec.Long** -62.6480556

Lat.Sec 34 **Long.Sec** -53

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Carboniferous **Ma** 320 **Unit** Windsor Group

HostRocks Black and dark grey oolitic limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Zn-Cu

Reference Kirkham, R.V., 1985, Base metals in Upper Windsor (Codroy) Group Oolitic and stromatolitic limestones in the Atlantic Provinces: in Current Research, Part A, Geological Survey of Canada, Paper 85-1a, p. 573-585.

DepositID 634 Cont NA NameDeposit Ohio

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 Long.Deg -62 Dec.Lat 45.5091667 StateProvince Nova Scotia

Lat.Min 30 Long.Min -4 Dec.Long -62.0772222

Lat.Sec 33 Long.Sec -38

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous Ma 340 Unit Windsor gorup

HostRocks Limestone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Limestone sequence may be marginal basin beds from higher in the Windsor Grp.
Contains Pb

Reference Boehner, R.C., 1982, Geological Map of the Antigonish Basin, Nova Scotia: Joint-Nova Scotia Department of Mines and Energy and Canada Department of Regional Economic Expansion, Scale 1 To 50 000.

DepositID 635 **Cont** NA **NameDeposit** Eureka

OtherNames Ferrona Junction

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.5030556 **StateProvince** Nova Scotia

Lat.Min 30 **Long.Min** -40 **Dec.Long** -62.6788889

Lat.Sec 11 **Long.Sec** -44

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Carboniferous **Ma** 320 **Unit** Windsor Group

HostRocks Crystalline dolomite, dolomitic shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Kirkham, R.V., 1985, Base metals in Upper Windsor (Codroy) Group Oolitic and stromatolitic limestones in the Atlantic Provinces: in Current Research, Part A, Geological Survey of Canada, Paper 85-1a, p. 573-585.

DepositID 636 **Cont** NA **NameDeposit** Hopewell

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.4822222 **StateProvince** Nova Scotia

Lat.Min 28 **Long.Min** -39 **Dec.Long** -62.665

Lat.Sec 56 **Long.Sec** -54

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Mississippian **Ma** 340 **Unit** Windsor Group

HostRocks Sandstone, arkose, greywacke, quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Ells, R.W., 1904, Bulletin on the ores of copper in the Province of Nova Scotia, New Brunswick and Quebec: Geological Survey of Canada Publication, No. 882.

DepositID 637 **Cont** NA **NameDeposit** Springhill

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.4608333 **StateProvince** Nova Scotia

Lat.Min 27 **Long.Min** -36 **Dec.Long** -62.6105556

Lat.Sec 39 **Long.Sec** -38

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous **Ma** 330 **Unit** Windsor

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 638 **Cont** NA **NameDeposit** Guysborough area 2-03-f

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -61 **Dec.Lat** 45.4388889 **StateProvince** Nova Scotia

Lat.Min 26 **Long.Min** -34 **Dec.Long** -61.5677778

Lat.Sec 20 **Long.Sec** -4

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Devonian-Carboniferous **Ma** 345 **Unit**

HostRocks Slate, quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11 F 5 D, 13-G-19.

DepositID 639 **Cont** NA **NameDeposit** Lochaber Lake

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -62 **Dec.Lat** 45.4041667 **StateProvince** Nova Scotia

Lat.Min 24 **Long.Min** -03 **Dec.Long** -62.05

Lat.Sec 15 **Long.Sec** 00

OreMmt 5 **CuGrade%** 0.33 **CoGrade%** **AgGradeppm**

CuMmt .0165

Subtype Reduced facies Cu

Age Devonian **Ma** 380 **Unit** Knoydart Fm.

HostRocks Siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Contains Pb, Zn

Reference Benson, D.G., 1974, Geology of the Antigonish Highlands and Cape George Map Areas, Nova Scotia: Geological Survey of Canada Memoir 376, 90 p.

Kirkham, R.V., Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID	640	Cont	NA	NameDeposit	Elgin, Black Rock
OtherNames					
Includes					
Country Code	CNNS	Canada			
Lat.Deg	45	Long.Deg	-62	Dec.Lat	45.4
Lat.Min	23	Long.Min	-37	Dec.Long	-62.6330556
Lat.Sec	60	Long.Sec	-59		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Reduced facies Cu				
Age	Mississippian	Ma	340	Unit	Windsor Group
HostRocks	Argillacious limestone				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					
Reference	Anon, Nova Scotia Department of Mines, Assessment File, 11e 7d, 13-M-06.				

DepositID	641	Cont	NA	NameDeposit	Guysborough area 2-03-abcd	
OtherNames						
Includes						
Country Code	CNNS	Canada			StateProvince Nova Scotia	
Lat.Deg	45	Long.Deg	-61	Dec.Lat	45.3763889	
Lat.Min	22	Long.Min	-35	Dec.Long	-61.5886111	
Lat.Sec	35	Long.Sec	-19			
OreMmt		CuGrade%		CoGrade%		AgGradeppm
		CuMmt				
Subtype	Uncl.					
Age	Devonian-Carboniferous			Ma	345	Unit
HostRocks	Slate, quartzite					
HangingwallBeds						
FootwallRocks						
Mineralogy						
TraceMinerals						
Comments						

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11 F 5 D, 13-G-19.

DepositID 642 **Cont** NA **NameDeposit** South March-3

OtherNames

Includes

Country Code CNON Canada

Lat.Deg 45 **Long.Deg** -75 **Dec.Lat** 45.3744444 **StateProvince** Ontario

Lat.Min 22 **Long.Min** -58 **Dec.Long** -75.9708333

Lat.Sec 28 **Long.Sec** -15

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Palaeozoic (Ordovician) **Ma** 470 **Unit** March Fm.

HostRocks Sandstone, sandy dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Charbonneau, B.W., Jonasson, I.R. and Ford, K.L., 1975, Cu-U mineralization in the March Formation, Paleozoic rocks of the Ottawa-St.Lawrence Lowlands: in Report of Activities, April To October 1974, Geological Survey of Canada, Paper 75-1 Part A, p. 229.

DepositID 643 **Cont** NA **NameDeposit** South March-1
OtherNames
Includes South March-2
Country Code CNON Canada
Lat.Deg 45 **Long.Deg** -75 **Dec.Lat** 45.35 **StateProvince** Ontario
Lat.Min 21 **Long.Min** -55 **Dec.Long** -75.9330556
Lat.Sec 0 **Long.Sec** -59
OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**
CuMmt

Subtype Uncl.

Age Paleozoic (Ordovician) **Ma** 470 **Unit** March Fm.

HostRocks Sandstone, sandy dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Steacy, H.R., 1973, Mineralogical notes on the uranium occurrences at South March and Eldorado, Ontario: Geological Survey of Canada, Paper 73-1b, p. 103-105.

Charbonneau, B.W., Jonasson, I.R. and Ford, K.L., 1975, Cu-U mineralization in the March Formation, Paleozoic rocks of the Ottawa-St.Lawrence Lowlands: in Report of Activities, April To October 1974, Geological Survey of Canada, Paper 75-1 Part A, p.

DepositID 644 **Cont** NA **NameDeposit** Brookfield copper showing

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.2755556 **StateProvince** Nova Scotia

Lat.Min 16 **Long.Min** -13 **Dec.Long** -63.2183333

Lat.Sec 32 **Long.Sec** -6

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Lower Carboniferous (Mississippian) **Ma** 340 **Unit** Windsor Group

HostRocks Carbonaceous limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Binney, W.P., 1975, Copper occurrences in Lower Carboniferous Sedimentary Rocks of the Maritime Provinces: Geological Survey of Canada, Open-File 281, 156 p.

DepositID 645 **Cont** NA **NameDeposit** Middle Stewiacke

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 45 **Long.Deg** -63 **Dec.Lat** 45.1947222 **StateProvince** Nova Scotia

Lat.Min 11 **Long.Min** -11 **Dec.Long** -63.1977778

Lat.Sec 41 **Long.Sec** -52

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Carboniferous (Pennsylvanian) **Ma** 290 **Unit** Scotch Village Formation

HostRocks Sandstone, arkose, greywacke, quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Pb-Zn-Cu-Fl-Ba

Reference Anon, Nova Scotia Department of Mines, Assessment File, 11 E 3 D, 27-D-43, Lead, Stewiacke, Colchester County.

DepositID 646 **Cont** NA **NameDeposit** Pope-Shenon

OtherNames

Includes

Country Code USID United States

Lat.Deg 45 **Long.Deg** -113 **Dec.Lat** 45.0666667 **StateProvince** Idaho

Lat.Min 4 **Long.Min** -50 **Dec.Long** -113.849722

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Middle Proterozoic (Helikian) **Ma** 1400 **Unit** Belt Supergroup, Nellie Group

HostRocks Quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kinkle, A.R., 1962, Copper in the United States: U.S. Geological Survey, Mineral Investigations Resource Map Mr-13.

DepositID 647 **Cont** NA **NameDeposit** Sloop Cove

OtherNames

Includes

Country Code CNNS Canada

Lat.Deg 44 **Long.Deg** -66 **Dec.Lat** 44.6863889 **StateProvince** Nova Scotia

Lat.Min 41 **Long.Min** -52 **Dec.Long** -66.8730556

Lat.Sec 11 **Long.Sec** -23

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Triassic **Ma** 220 **Unit** Annapolis Formation

HostRocks Grey green and red shales, gypsum, anhydrite

HangingwallBeds Basalt

FootwallRocks

Mineralogy

TraceMinerals

Comments Top 6m of shale unit has Cu grades up to 10% locally, avg 0.1% over large area

Reference Carroll, B.M.W., 1977, Mineral occurrences in New Brunswick, N.T.S. 11-1, 21b/10, 15, 21g/01 To 21g/02e: New Brunswick Open-File Report 77-01, 155 p.

DepositID 648 **Cont** NA **NameDeposit** Hot Brook Canyon

OtherNames

Includes

Country Code USSD United States

Lat.Deg 43 **Long.Deg** -103 **Dec.Lat** 43.4333333 **StateProvince** South Dakota

Lat.Min 25 **Long.Min** -30 **Dec.Long** -103.5

Lat.Sec 60 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Pennsylvanian **Ma** 300 **Unit** Minnelusa Fm.

HostRocks Black sapropelic shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu, Mo, Zn

Reference Davidson, D.F., 1961, Metal content of some black shales of the Western United States, U.S. Geological Survey, Professional Paper 424-C, p. C329-C331.

DepositID 649 **Cont** NA **NameDeposit** Watercress Canyon

OtherNames

Includes

Country Code USWY United States

Lat.Deg 43 **Long.Deg** -110 **Dec.Lat** 43 **StateProvince** Wyoming

Lat.Min 0 **Long.Min** -45 **Dec.Long** -110.75

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Pennsylvanian (?) **Ma** 300 **Unit** Weber (Wells) Fm.

HostRocks Quartzite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Hausel, W.D., 1981, Economic mineral deposits of Wyoming-A Review: Wyoming Geological Association, 32nd Annual Field Conference Guidebook 1981 (Energy Resources of Wyoming).

DepositID 650 **Cont** NA **NameDeposit** Jasper

OtherNames

Includes

Country Code USWY United States

Lat.Deg 42 **Long.Deg** -105 **Dec.Lat** 42.7333333 **StateProvince** Wyoming

Lat.Min 43 **Long.Min** -49 **Dec.Long** -105.833056

Lat.Sec 60 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Cambrian **Ma** 540 **Unit** Flathead Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Deposit type questionable

Reference Lane, D.W., 1972, Geologic map atlas and summary of economic mineral resources of Converse County, Wyoming: Geological Survey of Wyoming, County Resource Series No. 1.

DepositID 651 Cont NA NameDeposit Montpelier

OtherNames

Includes

Country Code USID United States

Lat.Deg 42 Long.Deg -111 Dec.Lat 42.3333333 StateProvince Idaho

Lat.Min 19 Long.Min -15 Dec.Long -111.25

Lat.Sec 60 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Upper Triassic Ma 220 Unit

HostRocks Grit

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 652 **Cont** NA **NameDeposit** Newgate Prison

OtherNames

Includes

Country Code USPA United States

Lat.Deg 41 **Long.Deg** -72 **Dec.Lat** 41.9166667 **StateProvince** Connecticut

Lat.Min 55 **Long.Min** -45 **Dec.Long** -72.75

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Triassic **Ma** 220 **Unit** New Haven Fm.

HostRocks Grey sandstone btwn greenish-grey mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Sulphide occurrence as disseminated specks and clusters of grains

Reference Raymond, J., 1982, Guidebook for fieldtrips in Connecticut and Central Massachusetts: New England Intercollegiate Geological Conference, 74th Annual Meeting, University of Connecticut-Storrs Connecticut, Oct. 2-3, 1982.

DepositID 653 **Cont** NA **NameDeposit** New Albany area

OtherNames

Includes

Country Code USPA United States

Lat.Deg 41 **Long.Deg** -76 **Dec.Lat** 41.5833333 **StateProvince** Pennsylvania

Lat.Min 34 **Long.Min** -27 **Dec.Long** -76.4580556

Lat.Sec 60 **Long.Sec** -29

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Devonian **Ma** 370 **Unit** Catskill Fm.

HostRocks Greenish-grey sandstone, siltstone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Occurrence in lower part of Catskill Fm. of interlayered red and grey beds. Contains U, Ag.

Reference Mccauley, J.F., 1961, Uranium in Pennsylvania: Pennsylvania Geological Survey, 4th Series Bulletin M43, 71 p.

DepositID 654 **Cont** NA **NameDeposit** Forkston

OtherNames

Includes

Country Code USPA United States

Lat.Deg 41 **Long.Deg** -76 **Dec.Lat** 41.5 **StateProvince** Pennsylvania

Lat.Min 30 **Long.Min** -7 **Dec.Long** -76.1166667

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Devonian **Ma** 370 **Unit** Catskill Fm.

HostRocks Grey sandstone and shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments The grey sandstone and shale are intercalated with red strata

Reference Glaeser, J.D., 1974, Upper Devonian stratigraphy and sedimentary environments in Northeastern Pennsylvania: Pennsylvania Geological Survey, Fourth Series Harrisburg, General Geology Report 63, 64 p.

DepositID 655 Cont NA NameDeposit Elk Ridge

OtherNames

Includes

Country Code USUT United States

Lat.Deg 41 Long.Deg -111 Dec.Lat 41.3541667 StateProvince Utah

Lat.Min 21 Long.Min -32 Dec.Long -111.541389

Lat.Sec 15 Long.Sec -29

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Upper Triassic Ma 220 Unit Shinarump Member of Chinle

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 656 **Cont** NA **NameDeposit** Beaver Lake area

OtherNames

Includes

Country Code USPA United States

Lat.Deg 41 **Long.Deg** -76 **Dec.Lat** 41.2916667 **StateProvince** Pennsylvania

Lat.Min 17 **Long.Min** -35 **Dec.Long** -76.5997222

Lat.Sec 30 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Devonian **Ma** 370 **Unit** Catskill Fm.

HostRocks Greenish-grey sandstone, siltstone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Occurrence in lower part of Catskill fm of interlayered red and grey beds. Contains U, Ag.

Reference Glaeser, J.D., 1974, Upper Devonian stratigraphy and sedimentary environments in Northeastern Pennsylvania: Pennsylvania Geological Survey, Fourth Series Harrisburg, General Geology Report 63, 64 p.

DepositID 657 **Cont** NA **NameDeposit** Grassmere Park area

OtherNames

Includes

Country Code USPA United States

Lat.Deg 41 **Long.Deg** -76 **Dec.Lat** 41.275 **StateProvince** Pennsylvania

Lat.Min 16 **Long.Min** -22 **Dec.Long** -76.3830556

Lat.Sec 30 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Devonian **Ma** 370 **Unit** Catskill Fm.

HostRocks Greenish-grey sandstone, siltstone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Occurrence in lower part of catskill fm of interlayered red and grey beds. Contains U, Ag.

Reference Lesure, F.G., 1977, Exploration geochemical studies of some sandstone copper-uranium deposits, Bradford, Columbia and Lycoming Counties, Pennsylvania: Journal of Research, U.S. Geological Survey, Vol. 5, No. 5, p. 609-621.

DepositID 658 **Cont** NA **NameDeposit** Pahaquarry

OtherNames

Includes

Country Code USPA United States

Lat.Deg 41 **Long.Deg** -75 **Dec.Lat** 41.0333333 **StateProvince** Pennsylvania

Lat.Min 1 **Long.Min** -1 **Dec.Long** -75.0330556

Lat.Sec 60 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Silurian **Ma** 420 **Unit** High Fall Fm.

HostRocks Grey sandstone within red shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Mineralized part of section is sandstone sequence 42 feet thick

Reference Woodward, H.P., 1944, Copper mines and mining in New Jersey: Department of Conservation and Development, State of New Jersey, Bulletin 57 Geologic Series.

DepositID 659 **Cont** NA **NameDeposit** Glen Ridge

OtherNames

Includes

Country Code USNJ United States

Lat.Deg 40 **Long.Deg** -74 **Dec.Lat** 40.8 **StateProvince** New Jersey

Lat.Min 47 **Long.Min** -10 **Dec.Long** -74.1666667

Lat.Sec 60 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Triassic **Ma** 220 **Unit**

HostRocks Grey sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Worked in the 1700s, in 1880s-several hundred tons were mined

Reference Woodward, H.P., 1944, Copper mines and mining in New Jersey: Department of Conservation and Development, State of New Jersey, Bulletin 57 Geologic Series.

DepositID 660 **Cont** NA **NameDeposit** Schuyler

OtherNames

Includes

Country Code USNJ United States

Lat.Deg 40 **Long.Deg** -74 **Dec.Lat** 40.7833333 **StateProvince** New Jersey

Lat.Min 46 **Long.Min** -7 **Dec.Long** -74.1330556

Lat.Sec 60 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Triassic **Ma** 220 **Unit**

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Two ss beds-upper 12 ft thick, lower 10 ft separated by 1 ft red shale

Reference Kinkle, A.R., 1962, Copper in the United States: U.S. Geological Survey, Mineral Investigations Resource Map Mr-13.

DepositID 661 **Cont** NA **NameDeposit** East Orange

OtherNames

Includes

Country Code USNJ United States

Lat.Deg 40 **Long.Deg** -74 **Dec.Lat** 40.75 **StateProvince** New Jersey

Lat.Min 45 **Long.Min** -12 **Dec.Long** -74.2

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Triassic **Ma** 220 **Unit** Newark

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Mined in the 1700s

Reference Woodward, H.P., 1944, Copper mines and mining in New Jersey: Department of Conservation and Development, State of New Jersey, Bulletin 57 Geologic Series.

DepositID 662 Cont NA NameDeposit Uinta

OtherNames

Includes

Country Code USUT United States

Lat.Deg 40 Long.Deg -111 Dec.Lat 40.6166667 StateProvince Utah

Lat.Min 37 Long.Min -31 Dec.Long -111.516667

Lat.Sec 0 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Cenozoic Ma 30 Unit Uinta Fm.

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-U

Reference Kinkle, A.R., 1962, Copper in the United States: U.S. Geological Survey, Mineral Investigations Resource Map Mr-13.

DepositID 663 **Cont** NA **NameDeposit** Steamboat Ssprings

OtherNames

Includes

Country Code USCO United States

Lat.Deg 40 **Long.Deg** -106 **Dec.Lat** 40.5333333 **StateProvince** Colorado

Lat.Min 31 **Long.Min** -45 **Dec.Long** -106.75

Lat.Sec 60 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Cretaceous **Ma** 100 **Unit** Dakota Fm.

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 664 **Cont** NA **NameDeposit** Spar Lake

OtherNames Troy Mine

Includes

Country Code USMT United States

Lat.Deg 40 **Long.Deg** -115 **Dec.Lat** 40.2302778 **StateProvince** Montana

Lat.Min 13 **Long.Min** -54 **Dec.Long** -115.905278

Lat.Sec 49 **Long.Sec** -19

OreMmt 58 **CuGrade%** 0.8 **CoGrade%** **AgGradeppm** 58

CuMmt .464

Subtype Revett Cu

Age M. Proterozoic **Ma** 1500 **Unit** Revett Fm.

HostRocks Quartzite

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, bornite, pyrite, galena, sphalerite, hematite, barite, chlorite, albite, K-felds, ankerite, calcite

TraceMinerals

Comments

Reference Hayes, T.S., and Einaudi, M.T., 1986, Genesis of the Spar Lake strata-bound copper-silver deposit, Montana: Part 1. Controls inherited from sedimentation and preore diagenesis: Economic Geology, v. 81, p. 1899-1931.

Hayes, T.S, 1990, A preliminary study of thermometry and metal sources of the Spar Lake stratabound copper-silver deposit, Belt Supergroup, Montana: U.S. Geological Survey Open File Report 90-0484, 30 p.

DepositID 665 Cont NA NameDeposit Lisbon Valley

OtherNames

Includes Centennial, GTO, Sentinel, Blue Jay

Country Code USUT United States

Lat.Deg 39 Long.Deg -109 Dec.Lat 39.15 StateProvince Utah

Lat.Min 09 Long.Min -06 Dec.Long -109.1

Lat.Sec Long.Sec

OreMmt 34 CuGrade% 0.53 CoGrade% AgGradeppm 10

CuMmt .1802

Subtype Revett Cu

Age Cretaceous Ma 100 Unit Dakota Sandstone

HostRocks Arkosic sandstone

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, calcite

TraceMinerals

Comments Disseminated deposits adjacent to Lisbon fault; deposits occur as veins in faults and disseminated bodies in sandstone adjacent to the veins. Disseminated bodies are stacked at more than one stratigraphic

Reference Brett, G.N., and Meunier, J-D., 1990, Fluid inclusion, $\delta^{18}\text{O}$, and $^{87}\text{Sr}/^{86}\text{Sr}$ evidence for the origin of fault-controlled copper mineralization, Lisbon Valley, Utah: Economic Geology. v. 85, p. 884-891.

Morrison, S. J., and Parry, W. T., 1986, Formation of carbonate-sulfate veins associated with copper ore deposits from saline basin brines, Lisbon Valley, Utah: fluid inclusion and isotopic evidence: Economic Geology, v. 81, no. 12, p. 1853-1866.

Northern Miner, Aug. 22, 1994.

Summo Minerals Web site, 2/2/02

DepositID 666 Cont NA NameDeposit Chantilly
OtherNames
Includes
Country Code USVA United States
Lat.Deg 38 Long.Deg -77 Dec.Lat 38.8791667 StateProvince Virginia
Lat.Min 52 Long.Min -19 Dec.Long -77.3166667
Lat.Sec 45 Long.Sec 0
OreMmt CuGrade% CoGrade% AgGradeppm
CuMmt
Subtype Redbed Cu

Age Triassic Ma 220 Unit Manassas Fm.

HostRocks Grey sandstone in redbed sequence

HangingwallBeds

FootwallRocks

Mineralogy Malachite, azurite

TraceMinerals

Comments Zone is 5 feet thick in trench and contains anomalous quantities Cu and Ag

Reference Dagostino, J.P., 1970, Malachite-and specularite-bearing Triassic sandstone localities Near Chantilly, Virginia: U.S. Geological Survey, Professional Paper 700-C, p. C103-C106.

DepositID 667 Cont NA NameDeposit Copper Globe

OtherNames

Includes

Country Code USUT United States

Lat.Deg 38 Long.Deg -110 Dec.Lat 38.8 StateProvince Utah

Lat.Min 47 Long.Min -54 Dec.Long -110.9

Lat.Sec 60 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Jurassic Ma 180 Unit Navajo Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 668 **Cont** NA **NameDeposit** Lyons Fm.

OtherNames

Includes

Country Code USCO United States

Lat.Deg 38 **Long.Deg** -104 **Dec.Lat** 38.75 **StateProvince** Colorado

Lat.Min 45 **Long.Min** -45 **Dec.Long** -104.75

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Permian **Ma** 260 **Unit** Lyons Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 669 Cont NA NameDeposit Cotopaxi Cordova

OtherNames

Includes

Country Code USCO United States

Lat.Deg 38 Long.Deg -105 Dec.Lat 38.5 StateProvince Colorado

Lat.Min 30 Long.Min -30 Dec.Long -105.5

Lat.Sec 0 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Pennsylvanian Ma 300 Unit

HostRocks Undivided

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 670 Cont NA NameDeposit Adak

OtherNames

Includes

Country Code USCO United States

Lat.Deg 38 Long.Deg -108 Dec.Lat 38.4305556 StateProvince Colorado

Lat.Min 25 Long.Min -49 Dec.Long -108.820556

Lat.Sec 50 Long.Sec -14

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Jurassic Ma 180 Unit Morrison Fm.

HostRocks Interstratified units of sandstone and mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments U-V-Cu

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 671 **Cont** NA **NameDeposit** Copper King

OtherNames

Includes

Country Code USCO United States

Lat.Deg 38 **Long.Deg** -108 **Dec.Lat** 38.3925 **StateProvince** Colorado

Lat.Min 23 **Long.Min** -25 **Dec.Long** -108.431389

Lat.Sec 33 **Long.Sec** -53

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Cretaceous **Ma** 100 **Unit** Burro Canyon Fm.

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 672 Cont NA NameDeposit Cutler

OtherNames

Includes

Country Code USUT United States

Lat.Deg 38 Long.Deg -109 Dec.Lat 38.3611111 StateProvince Utah

Lat.Min 21 Long.Min -43 Dec.Long -109.733056

Lat.Sec 40 Long.Sec -59

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Permian Ma 260 Unit Cutler Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-U

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 673 **Cont** NA **NameDeposit** Cashin

OtherNames

Includes

Country Code USCO United States

Lat.Deg 38 **Long.Deg** -108 **Dec.Lat** 38.3 **StateProvince** Colorado

Lat.Min 17 **Long.Min** -57 **Dec.Long** -108.95

Lat.Sec 60 **Long.Sec** 0

OreMmt 10 **CuGrade%** 0.62 **CoGrade%** **AgGradeppm**

CuMmt .062

Subtype Revett Cu

Age Triassic **Ma** 220 **Unit** Dolores Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments From 1897-1957 mine produced 1000 tons of Cu and 306000 ounces of Ag

Reference Kinkle, A.R., 1962, Copper in the United States: U.S. Geological Survey, Mineral Investigations Resource Map Mr-13.

DepositID 674 Cont NA NameDeposit Big Indian

OtherNames

Includes

Country Code USUT United States

Lat.Deg 38 Long.Deg -109 Dec.Lat 38.2333333 StateProvince Utah

Lat.Min 13 Long.Min -13 Dec.Long -109.216667

Lat.Sec 60 Long.Sec 0

OreMmt 0.15 CuGrade% 1.5 CoGrade% AgGradeppm

CuMmt .00225

Subtype Revett Cu

Age Cretaceous Ma 100 Unit Dakota Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Along Lisbon fault

Reference Morrison, S. J., and Parry, W. T., 1986, Formation of carbonate-sulfate veins associated with copper ore deposits from saline basin brines, Lisbon Valley, Utah: fluid inclusion and isotopic evidence: Economic Geology, v. 81, no. 12, p. 1853-1866.

Schmitt, L.J., 1969, Uranium and copper mineralization in the Big Indian Wash-Lisbon Valley Mining District, Southeastern Utah: Unpublished Ph.D. thesis, Columbia University, 173p.

DepositID 675 **Cont** NA **NameDeposit** Western Star

OtherNames

Includes

Country Code USUT United States

Lat.Deg 38 **Long.Deg** -109 **Dec.Lat** 38.15 **StateProvince** Utah

Lat.Min 8 **Long.Min** -7 **Dec.Long** -109.133056

Lat.Sec 60 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Pennsylvanian **Ma** 330 **Unit** Hermosa Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 676 **Cont** NA **NameDeposit** Cougar

OtherNames

Includes

Country Code USCO United States

Lat.Deg 38 **Long.Deg** -107 **Dec.Lat** 38 **StateProvince** Colorado

Lat.Min 0 **Long.Min** -52 **Dec.Long** -107.883056

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Jurassic **Ma** 180 **Unit** Morrison Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Mainly volborthite, some malachite and azurite

TraceMinerals

Comments Cu-U. Sharp interface btwn ore and barren, Cu with U along margins of roll

Reference Shields, W.R., 1965, Natural variations in the Aabundance ratio and the atomic weight of Copper: Journal of Geophysical Research, Vol. 70, p. 479-491.

DepositID 677 Cont NA NameDeposit Happy jack

OtherNames

Includes

Country Code USUT United States

Lat.Deg 37 Long.Deg -110 Dec.Lat 37.8083333 StateProvince Utah

Lat.Min 48 Long.Min -25 Dec.Long -110.433056

Lat.Sec 30 Long.Sec -59

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Upper Triassic Ma 220 Unit Shinarump Member of Chinle

HostRocks Conglom ss, coalified woody material, mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Shinarump unconformably overlies Moenkopi fm of upper-Middle Triassic. U-Cu

Reference Stieff, L.R., 1953, A preliminary determination of the age of some uranium ores of the Colorado Plateau by the lead-uranium method: U.S. Geological Survey, Circular 271.

DepositID 678 **Cont** NA **NameDeposit** Lamotte Sandstone

OtherNames

Includes

Country Code USMO United States

Lat.Deg 37 **Long.Deg** -91 **Dec.Lat** 37.7333333 **StateProvince** Missouri

Lat.Min 43 **Long.Min** -4 **Dec.Long** -91.0830556

Lat.Sec 60 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Upper Cambrian **Ma** 520 **Unit** Lamotte Sandstone underlying

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Represents separate Cu phase mineralization of pre-Viburnum trend age

Reference Kinkle, A.R., 1962, Copper in the United States: U.S. Geological Survey, Mineral Investigations Resource Map Mr-13.

DepositID	679	Cont	NA	NameDeposit	Sedgwick County occurrences	
OtherNames						
Includes						
Country Code	USKS	United States				
Lat.Deg	37	Long.Deg	-97	Dec.Lat	37.6666667	StateProvince Kansas
Lat.Min	40	Long.Min	-40	Dec.Long	-97.6666667	
Lat.Sec	0	Long.Sec	0			
OreMmt		CuGrade%		CoGrade%		AgGradeppm
		CuMmt				
Subtype	Reduced facies Cu					
Age	Lower Permian	Ma	280	Unit	Summer Group - Ninnescah	
HostRocks	Grey shale with thin limestone, dolomite units					
HangingwallBeds						
FootwallRocks						
Mineralogy	Chalcopyrite, bornite, pyrite					
TraceMinerals						
Comments						
Reference	Ripley, E.M., 1980, Mineralogy and paragenesis of red-bed copper mineralization in the Lower Permian of South Central Kansas: Economic Geology, Vol. 75 No. 5.					

DepositID 680 Cont NA NameDeposit Hideout no 1

OtherNames

Includes

Country Code USUT United States

Lat.Deg 37 Long.Deg -110 Dec.Lat 37.6541667 StateProvince Utah

Lat.Min 39 Long.Min 0 Dec.Long -110.008056

Lat.Sec 15 Long.Sec -29

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Triassic Ma 220 Unit Shinarump Member of Chinle

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Ore min preserve cell struct, replace quartz and feldspar, fill fractures, impregnate dandstone

Reference Finnell, T.L., 1963, Geology ore deposits and exploratory drilling in the Deer Flat Area, White Canyon District, San Juan County, Utah: U.S. Geological Survey, Bulletin 1132, 114 p.

DepositID 681 Cont NA NameDeposit W N1

OtherNames

Includes

Country Code USUT United States

Lat.Deg 37 Long.Deg -110 Dec.Lat 37.6402778 StateProvince Utah

Lat.Min 38 Long.Min -2 Dec.Long -110.048333

Lat.Sec 25 Long.Sec -54

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Upper Triassic Ma 220 Unit Shinarump Member of Chinle

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Lower part of Shinarunp rests with marked disconformity on Moenkopi Fm.

Reference Finnell, T.L., 1963, Geology ore deposits and exploratory drilling in the Deer Flat Area, White Canyon District, San Juan County, Utah: U.S. Geological Survey, Bulletin 1132, 114 p.

DepositID 682 Cont NA NameDeposit Bear Creek

OtherNames

Includes

Country Code USCO United States

Lat.Deg 37 Long.Deg -108 Dec.Lat 37.6166667 StateProvince Colorado

Lat.Min 37 Long.Min -10 Dec.Long -108.166667

Lat.Sec 0 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Upper Triassic Ma 220 Unit Dolores Fm.

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 683 Cont NA NameDeposit Mcguire

OtherNames

Includes

Country Code USCO United States

Lat.Deg 37 Long.Deg -105 Dec.Lat 37.5 StateProvince Colorado

Lat.Min 30 Long.Min -1 Dec.Long -105.016667

Lat.Sec 0 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Permian Ma 260 Unit

HostRocks Undivided

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 684 **Cont** NA **NameDeposit** Independence

OtherNames

Includes Dunlap Ranch

Country Code USCO United States

Lat.Deg 37 **Long.Deg** -102 **Dec.Lat** 37.4666667 **StateProvince** Colorado

Lat.Min 28 **Long.Min** -13 **Dec.Long** -102.233056

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Lower Cretaceous **Ma** 130 **Unit** Purgatoire Fm.

HostRocks Light, crossbedded, porous arkosic sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu occurrences in basal member of formation. Contains Cu, Ag, Au. Production 1900-02 yielded 11,419 lbs Cu, 1915-17 yielded 10,092 lbs Cu

Reference Soule, J.H., 1956, Reconnaissance of the red bed copper deposits in Southeastern Colorado and New Mexico: U.S. Bureau of Mines Information Circular 7740.

Young, R.G., 1978, Depositional systems and dispersal patterns in Uraniferous Sandstones of the Colorado Plateau, Utah: Geology, Vol. 5 No. 2, p. 85-102.

DepositID 685 **Cont** NA **NameDeposit** Dunlap Ranch

OtherNames

Includes

Country Code USCO United States

Lat.Deg 37 **Long.Deg** -102 **Dec.Lat** 37.45 **StateProvince** Colorado

Lat.Min 27 **Long.Min** -13 **Dec.Long** -102.233056

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Jurassic **Ma** 180 **Unit** Entrada Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Young, R.G., 1978, Depositional systems and dispersal patterns in Uraniferous Sandstones of the Colorado Plateau, Utah: Geology, Vol. 5 No. 2, p. 85-102.

DepositID 686 Cont NA NameDeposit Runnymede

OtherNames

Includes

Country Code USKS United States

Lat.Deg 37 Long.Deg -97 Dec.Lat 37.3333333 StateProvince Kansas

Lat.Min 19 Long.Min -55 Dec.Long -97.9330556

Lat.Sec 60 Long.Sec -59

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Permian Ma 260 Unit Ninnescah Shale Fm. of the

HostRocks Argillaceous dolomite, shale, siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu in upper argillaceous dolomite beds of Ninnescah Shale including Runnymede Sandstone Member

Reference Hill, W.E., 1967, Copper in redbeds of South Central Kansas: Short Papers On Research 1966, State Geological Survey of Kansas, Bulletin 187 Part 1.

DepositID	687	Cont	NA	NameDeposit	Sumner County occurrences
OtherNames					
Includes					
Country Code	USKS	United States			
Lat.Deg	37	Long.Deg	-97	Dec.Lat	37.0833333
Lat.Min	4	Long.Min	-40	Dec.Long	-97.6666667
Lat.Sec	60	Long.Sec	0		
OreMmt		CuGrade%		CoGrade%	
		CuMmt		AgGradeppm	
Subtype	Reduced facies Cu				
Age	Lower Permian	Ma	280	Unit	Summer Group-Ninnescah
HostRocks	Grey shale with thin limestone, dolomite units				
HangingwallBeds					
FootwallRocks					
Mineralogy	Chalcocite, pyrite				
TraceMinerals					
Comments					
Reference	Hill, W.E., 1967, Copper in redbeds of South Central Kansas: Short Papers On Research 1966, State Geological Survey of Kansas, Bulletin 187 Part 1.				

DepositID 688 Cont NA NameDeposit Wiggins
OtherNames
Includes
Country Code USNM United States
Lat.Deg 36 Long.Deg -103 Dec.Lat 36.9333333 StateProvince New Mexico
Lat.Min 55 Long.Min -4 Dec.Long -103.083056
Lat.Sec 60 Long.Sec -59
OreMmt CuGrade% CoGrade% AgGradeppm
CuMmt
Subtype Redbed Cu
Age Jurassic Ma 180 Unit Entrada Fm.
HostRocks Sandstone
HangingwallBeds
FootwallRocks
Mineralogy
TraceMinerals
Comments

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States:
Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 689 Cont NA NameDeposit Peacock Canyon

OtherNames

Includes

Country Code USNM United States

Lat.Deg 36 Long.Deg -103 Dec.Lat 36.9166667 StateProvince New Mexico

Lat.Min 55 Long.Min -25 Dec.Long -103.433056

Lat.Sec 0 Long.Sec -59

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Triassic Ma 260 Unit Dockum Group

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Sandstone bleached from red to nearly white in areas of Cu mineralization. Contains Ag.

Reference Soule, J.H., 1956, Reconnaissance of the red bed copper deposits in Southeastern Colorado and New Mexico: U.S. Bureau of Mines Information Circular 7740.

DepositID 690 **Cont** NA **NameDeposit** Grant County

OtherNames

Includes

Country Code USOK United States

Lat.Deg 36 **Long.Deg** -97 **Dec.Lat** 36.75 **StateProvince** Oklahoma

Lat.Min 45 **Long.Min** -49 **Dec.Long** -97.8330556

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Lower Permian **Ma** 280 **Unit** Wellington Fm.

HostRocks Shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Mineralized beds occurrence in shallow subsurface, upper shale member

Reference Lur'ye, A.M., 1986, Formation Conditions of Copper-Sandstone and Copper-Shale Deposits: in Geology and Metallogeny of Copper Deposits, Ed. By G.H. Friedrich Et Al., Proceedings of the 27th Igc Moscow, 1984, p. 477-491.

DepositID 691 **Cont** NA **NameDeposit** White Mesa district

OtherNames

Includes

Country Code USAZ United States

Lat.Deg 36 **Long.Deg** -111 **Dec.Lat** 36.6666667 **StateProvince** Arizona

Lat.Min 40 **Long.Min** -22 **Dec.Long** -111.383056

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Jurassic **Ma** 180 **Unit** Navajo Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Significant tonnAge of principally acid-soluble copper

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 692 Cont NA NameDeposit Lee Uto

OtherNames

Includes

Country Code USOK United States

Lat.Deg 36 Long.Deg -96 Dec.Lat 36.4 StateProvince Oklahoma

Lat.Min 23 Long.Min -58 Dec.Long -96.9747222

Lat.Sec 60 Long.Sec -29

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Permian Ma 260 Unit Chase Group

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID	693	Cont	NA	NameDeposit	National
OtherNames					
Includes					
Country Code	USAZ	United States			
Lat.Deg	36	Long.Deg	-112	Dec.Lat	36.3333333
Lat.Min	19	Long.Min	-45	Dec.Long	-112.75
Lat.Sec	60	Long.Sec	0		
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Reduced facies Cu				
Age	Permian		Ma	260	Unit Kaibab Fm.
HostRocks	Limestone				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments					
Reference	Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.				

DepositID 694 Cont NA NameDeposit Pajarito azul

OtherNames

Includes

Country Code USNM United States

Lat.Deg 36 Long.Deg -106 Dec.Lat 36.25 StateProvince New Mexico

Lat.Min 15 Long.Min -49 Dec.Long -106.833056

Lat.Sec 0 Long.Sec -59

OreMnt CuGrade% CoGrade% AgGradeppm

CuMnt

Subtype Uncl.

Age Pennsylvanian Ma 245 Unit Madera Fm.

HostRocks Arkosic limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 695 **Cont** NA **NameDeposit** Ridenour

OtherNames

Includes

Country Code USAZ United States

Lat.Deg 36 **Long.Deg** -113 **Dec.Lat** 36.166667 **StateProvince** Arizona

Lat.Min 10 **Long.Min** -10 **Dec.Long** -113.166667

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Permian-Pennsylvanian **Ma** 290 **Unit** Supai Fm.

HostRocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-U-V

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 696 **Cont** NA **NameDeposit** Coyote Creek

OtherNames

Includes

Country Code USNM United States

Lat.Deg 36 **Long.Deg** -105 **Dec.Lat** 36.1 **StateProvince** New Mexico

Lat.Min 6 **Long.Min** -10 **Dec.Long** -105.166667

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permo-Pennsylvanian **Ma** 245 **Unit** Sangre de Cristo Fm.

HostRocks Arkoses, arkosic ss, red and greyish-green shales

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 697 Cont NA NameDeposit Nacimiento

OtherNames

Includes San Miguel

Country Code USNM United States

Lat.Deg 36 Long.Deg -106 Dec.Lat 36.0083333 StateProvince New Mexico

Lat.Min 00 Long.Min -53 Dec.Long -106.883333

Lat.Sec 30 Long.Sec

OreMmt 10 CuGrade% 0.67 CoGrade% AgGradeppm 2.4

CuMmt .067

Subtype Redbed Cu

Age Triassic Ma 220 Unit Chinle Fm.

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, pyrite

TraceMinerals

Comments Abundant fossil wood.

Reference Talbott, L. W., 1974, Nacimiento pit, a Triassic strata-bound copper deposit, in: Ghost Ranch, New Mexico Geological Society Guidebook, 25th Annual Field Conference, p. 301-303.

Woodward, L. A., Kaufman, W.H., Schumacher, O. L., and Talbott, L. W., 1974, Strata-bound copper deposits in Triassic sandstone of Sierra Nacimiento, New Mexico: Economic Geology, v. 69, no. 1, p. 108-120.

DepositID 698 Cont NA NameDeposit Bronze Lake

OtherNames

Includes

Country Code USNM United States

Lat.Deg 35 Long.Deg -114 Dec.Lat 35.9833333 StateProvince New Mexico

Lat.Min 58 Long.Min -10 Dec.Long -114.166667

Lat.Sec 60 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Mississippian Ma 340 Unit Redwall Fm.

HostRocks Limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Pb-V

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 699 **Cont** NA **NameDeposit** Hunters Point

OtherNames

Includes

Country Code USAZ United States

Lat.Deg 35 **Long.Deg** -109 **Dec.Lat** 35.75 **StateProvince** Arizona

Lat.Min 45 **Long.Min** -15 **Dec.Long** -109.25

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Permian **Ma** 260 **Unit** Coconino Fm. (?)

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 700 **Cont** NA **NameDeposit** Hacks Canyon

OtherNames

Includes

Country Code USAZ United States

Lat.Deg 35 **Long.Deg** -113 **Dec.Lat** 35.4166667 **StateProvince** Arizona

Lat.Min 25 **Long.Min** -30 **Dec.Long** -113.5

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Permian **Ma** 260 **Unit** Hermit Fm.

HostRocks Shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-U

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 701 **Cont** NA **NameDeposit** Mirabal

OtherNames

Includes

Country Code USNM United States

Lat.Deg 35 **Long.Deg** -108 **Dec.Lat** 35.2 **StateProvince** New Mexico

Lat.Min 12 **Long.Min** -5 **Dec.Long** -108.099722

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit** Abo Fm.

HostRocks Shale, conglomerate, sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Significant tonnAge of principally acid-soluble copper

Reference Joralemon, I.B., 1952, Age Cannot wither or Varieties of Geological Experience:
Economic Geology, Vol. 47 No. 3.

DepositID 702 **Cont** NA **NameDeposit** Byars

OtherNames

Includes

Country Code USOK **United States**

Lat.Deg 35 **Long.Deg** -97 **Dec.Lat** 35 **StateProvince** Oklahoma

Lat.Min 0 **Long.Min** -30 **Dec.Long** -97.5

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age **Ma** **Unit**

HostRocks Red sandstone and shale (locally bleached white

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments 190 tons of Cu-Agr ore shipped between 1913-1914, also worked 1897-98.

Reference Merritt, C.A., 1940, Copper in the red beds of Oklahoma: Oklahoma Geological Survey, Mineral Report No. 8, 19 p.

DepositID 703 **Cont** NA **NameDeposit** Rome Sandstone

OtherNames

Includes

Country Code USTN United States

Lat.Deg 35 **Long.Deg** -84 **Dec.Lat** 35 **StateProvince** Tennessee

Lat.Min 0 **Long.Min** -30 **Dec.Long** -84.5

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Lower Cambrian **Ma** 550 **Unit** Rome Formation

HostRocks Quartzitic sandstone

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite bornite and chalcocite

TraceMinerals

Comments Samples contain > 1% Cu also anomalous Mo and detectable Ag

Reference Wedow Jr, H., 1975, The Potential for stratabound disseminated copper deposits in the Cambrian Sandstones of the Appalachian Region: Economic Geology, Vol. 70 No. 1.

DepositID 704 **Cont** NA **NameDeposit** Sunlite and Moonlite

OtherNames

Includes

Country Code USAZ United States

Lat.Deg 34 **Long.Deg** -110 **Dec.Lat** 34.9833333 **StateProvince** Arizona

Lat.Min 58 **Long.Min** -43 **Dec.Long** -110.716667

Lat.Sec 60 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Upper Triassic **Ma** 220 **Unit** Shinarump Member of Chinle

HostRocks Ss contain pebbles of ss, chert, quartzite, ls, siltst

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Coalified woody material is abundant in the ore. Cu-U

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 705 **Cont** NA **NameDeposit** Pintada

OtherNames

Includes

Country Code USNM United States

Lat.Deg 34 **Long.Deg** -104 **Dec.Lat** 34.9333333 **StateProvince** New Mexico

Lat.Min 55 **Long.Min** -52 **Dec.Long** -104.866667

Lat.Sec 60 **Long.Sec** 0

OreMnt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMnt

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit** Grayburg-queen Formation

HostRocks Massive gypsiferous unit, middle and upper ss units

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Mineralization occurs in five separate beds each 5 to 9 feet thick

Reference Lapoint, D.J., 1979, Geology geochemistry and petrology of sandstone copper deposits in New Mexico: Unpublished Ph.D. thesis, University of Colorado, 333 p

DepositID 706 Cont NA NameDeposit Mangum
OtherNames
Includes
Country Code USOK United States
Lat.Deg 34 Long.Deg -99 Dec.Lat 34.8833333 StateProvince Oklahoma
Lat.Min 53 Long.Min -30 Dec.Long -99.5
Lat.Sec Long.Sec
OreMmt 7.2 CuGrade% 1 CoGrade% AgGradeppm 2.4
CuMmt .072
Subtype Reduced facies Cu
Age L. Permian Ma 270 Unit El Reno Grp, Flowerpot Fm
HostRocks
HangingwallBeds
FootwallRocks
Mineralogy Chalcocite, gypsum
TraceMinerals
Comments

Reference Johnson, K.S., 1976, Permian copper shales in southwest Oklahoma *in* Stratiform copper deposits of the Midcontinent Region: Oklahoma Geological Survey Circular 77, p. 3-14.

DepositID 707 Cont NA NameDeposit Stauber

OtherNames

Includes

Country Code USNM United States

Lat.Deg 34 Long.Deg -104 Dec.Lat 34.85 StateProvince New Mexico

Lat.Min 51 Long.Min -50 Dec.Long -104.849722

Lat.Sec 0 Long.Sec -59

OreMmt 0.24 CuGrade% 2.57 CoGrade% AgGradeppm 5.5

CuMmt .006168

Subtype Redbed Cu

Age Upper Triassic Ma 220 Unit Santa rosa Member of Chinle

HostRocks 3 sandstone units separated by clay or shale

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, malachite, azurite

TraceMinerals

Comments Ore-bearing sandstone up to 12 ft thick, extends 1500 ft in length, 320 ft wide.
Production: 264,000 st of ore containing 6,6779 st Cu and 42,494 ounces Ag

Reference Lapoint, D.J., 1979, Geology geochemistry and petrology of sandstone copper deposits in New Mexico: Unpublished Ph.D. thesis, University of Colorado, 333 p.

Stauber, I. J., 1930, A sandstone copper deposit: The Mining Journal, December, p. 929-931.

DepositID 708 Cont NA NameDeposit Paoli

OtherNames

Includes

Country Code USOK United States

Lat.Deg 34 Long.Deg -97 Dec.Lat 34.7833333 StateProvince Oklahoma

Lat.Min 46 Long.Min -16 Dec.Long -97.2830556

Lat.Sec 60 Long.Sec -59

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Permian Ma 260 Unit Garber Fm. of the Wichita Group

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Cu-Ag

Reference Lapoint, D.J., 1979, Geology geochemistry and petrology of sandstone copper deposits in New Mexico: Unpublished Ph.D. thesis, University of Colorado, 333 p.

Thomas, C.A., Hagni, R.D., and Berendsen, P., 1991, Ore microscopy of the Paoli silver-copper deposit, Oklahoma: Ore Geology Review, no. 6, p. 229-244.

Shockey, P.N., Renfro, A.R., and Peterson, R.J., 1974, Copper-silver solution fronts at Paoli, Oklahoma: Economic Geology v. 69, p. 266-269.

DepositID 709 Cont NA NameDeposit Creta

OtherNames

Includes

Country Code USOK United States

Lat.Deg 34 Long.Deg -99 Dec.Lat 34.65 StateProvince Oklahoma

Lat.Min 39 Long.Min -21 Dec.Long -99.35

Lat.Sec Long.Sec

OreMmt 5.4 CuGrade% 1.9 CoGrade% AgGradeppm 5.5

CuMmt .1026

Subtype Reduced facies Cu

Age L. Permian Ma 270 Unit El Reno Grp, Flowerpot Fm

HostRocks Shale

HangingwallBeds Gypsum

FootwallRocks

Mineralogy Chalcocite, gypsum

TraceMinerals

Comments

Reference Dingess, P. R., 1976, Geology and mining operations at the Creta copper deposit of Eagle-Picher Industries, Inc., in Johnson, K. S., and Croy, R. L, eds., Stratiform copper deposits of the Midcontinent region, a symposium: Oklahoma Geological Survey Circular 77, p. 15-24.

Johnson, K.S., 1976, Permian copper shales in southwest Oklhoma *in* Stratiform copper deposits of the Midcontinent Region: Oklahoma Geological Survey Circular 77, p. 3-14.

DepositID 710 **Cont** NA **NameDeposit** Scholle District

OtherNames

Includes

Country Code USNM United States

Lat.Deg 34 **Long.Deg** -106 **Dec.Lat** 34.5 **StateProvince** New Mexico

Lat.Min 30 **Long.Min** -25 **Dec.Long** -106.416667

Lat.Sec 0 **Long.Sec** 0

OreMmt 0.12 **CuGrade%** 3.85 **CoGrade%** **AgGradeppm** 23

CuMmt .00462

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit** Abo Fm.

HostRocks Shale overlain by red shale capped by ss

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, malachite and azurite

TraceMinerals

Comments 33 prospects, to 1957, produced 525 short tons of Cu

Reference Hatchell, W. O., Blagbrough, J. W., and Hill, J. M., 1982, Stratigraphy and copper deposits of the Abo Formation, Abo Canyon area, central New Mexico: in Grambling, J. A., and Wells, S. G., eds., New Mexico Geological Society Guidebook, 33rd Field Conference, Albuquerque County II, p. 249-260.

Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 711 **Cont** NA **NameDeposit** Abiquiu

OtherNames

Includes

Country Code USNM United States

Lat.Deg 34 **Long.Deg** -106 **Dec.Lat** 34.4333333 **StateProvince** New Mexico

Lat.Min 25 **Long.Min** -17 **Dec.Long** -106.299722

Lat.Sec 60 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Triassic **Ma** 220 **Unit** Poleo sandstone

HostRocks Fairly fine-grained ss, grit, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite

TraceMinerals

Comments Abo Redbeds underly the Poleo Sandstone, primary Cu mineral is chalcocite

Reference Soule, J.H., 1956, Reconnaissance of the red bed copper deposits in Southeastern Colorado and New Mexico: U.S. Bureau of Mines Information Circular 7740.

DepositID 712 Cont NA NameDeposit Parker-Doyle

OtherNames

Includes

Country Code USNM United States

Lat.Deg 34 Long.Deg -106 Dec.Lat 34.2666667 StateProvince New Mexico

Lat.Min 16 Long.Min -28 Dec.Long -106.466667

Lat.Sec 0 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Permian Ma 260 Unit Abo Fm.

HostRocks Light-coloured sandstone

HangingwallBeds

FootwallRocks

Mineralogy Malachite

TraceMinerals

Comments Mineralized beds occurrence stratigraphically much higher than Scholle district.

Reference Soule, J.H., 1956, Reconnaissance of the red bed copper deposits in Southeastern Colorado and New Mexico: U.S. Bureau of Mines Information Circular 7740.

DepositID 713 **Cont** NA **NameDeposit** Mogollon Rim

OtherNames

Includes

Country Code USAZ United States

Lat.Deg 34 **Long.Deg** -111 **Dec.Lat** 34.25 **StateProvince** Arizona

Lat.Min 15 **Long.Min** 0 **Dec.Long** -111

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Permian-Pennsylvanian **Ma** 290 **Unit** Supai Formation

HostRocks Micrite, qtz arenite, limestone pebble congl

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Rogers, R.D., 1978, Geology and geochemistry of copper occurrences in the Supai Formation, Central Arizona: Abstracts, Cordilleran Section Geological Society of America, 74th Annual Meeting 1978.

DepositID 714 Cont NA NameDeposit Broome

OtherNames

Includes

Country Code USNM United States

Lat.Deg 34 Long.Deg -106 Dec.Lat 34.25 StateProvince New Mexico

Lat.Min 15 Long.Min -30 Dec.Long -106.5

Lat.Sec 0 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Permian Ma 260 Unit Meseta Blanca Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 715 **Cont** NA **NameDeposit** Benson Farm

OtherNames

Includes

Country Code USOK United States

Lat.Deg 34 **Long.Deg** -98 **Dec.Lat** 34.2 **StateProvince** Oklahoma

Lat.Min 12 **Long.Min** -17 **Dec.Long** -98.2997222

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Permian **Ma** 260 **Unit** Garber Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 716 **Cont** NA **NameDeposit** Gibbs

OtherNames

Includes

Country Code USTX United States

Lat.Deg 34 **Long.Deg** -99 **Dec.Lat** 34.1666667 **StateProvince** Texas

Lat.Min 10 **Long.Min** -31 **Dec.Long** -99.5166667

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit** San Angelo Fm. of Pease River

HostRocks Dark red and grey sandstone, siltstone, mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Channel-scour type

Reference Smith, G.E., 1974, Depositional systems, San Angelo Formation (Permian), North Texas—facies control of red-bed copper mineralization: Bureau of Economic Geology, Univ. of Texas at Austin, Report of Investigations No. 80, 74 p.

DepositID 717 **Cont** NA **NameDeposit** Mcclellan

OtherNames

Includes

Country Code USTX United States

Lat.Deg 34 **Long.Deg** -99 **Dec.Lat** 34.0833333 **StateProvince** Texas

Lat.Min 4 **Long.Min** -49 **Dec.Long** -99.8330556

Lat.Sec 60 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit** San Angelo Fm. of Pease River

HostRocks Sandstone horizons in dolomite, mudstone, shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments An upper Cu zone occurrences 50 ft above lower zone in shale and gypsum beds

Reference Smith, G.E., 1974, Depositional systems, San Angelo Formation (Permian), North Texas—facies control of red-bed copper mineralization: Bureau of Economic Geology, Univ. of Texas at Austin, Report of Investigations No. 80, 74 p.

DepositID 718 **Cont** NA **NameDeposit** Pyron

OtherNames Crowell (?)

Includes

Country Code USTX United States

Lat.Deg 33 **Long.Deg** -99 **Dec.Lat** 33.75 **StateProvince** Texas

Lat.Min 45 **Long.Min** -54 **Dec.Long** -99.9

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit** San Angelo Fm. of Pease River

HostRocks Sandstone, siltstone, mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Prior to 1911 several car loads were shipped

Reference Stroud, R.B., 1970, Production potential of copper deposits associated with Permian red bed formations in Texas, Oklahoma and Kansas: U.S. Bureau of Mines RI 7422.

DepositID 719 **Cont** NA **NameDeposit** Smelter

OtherNames

Includes

Country Code USTX United States

Lat.Deg 33 **Long.Deg** -99 **Dec.Lat** 33.55 **StateProvince** Texas

Lat.Min 32 **Long.Min** -58 **Dec.Long** -99.9830556

Lat.Sec 60 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit** San Angelo Fm. of Pease River

HostRocks Sandstone, siltstone, mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments From 1880-1945 1000 tons of crude ore was produced

Reference Smith, G.E., 1974, Depositional systems, San Angelo Formation (Permian), North Texas—facies control of red-bed copper mineralization: Bureau of Economic Geology, Univ. of Texas at Austin, Report of Investigations No. 80, 74 p.

DepositID 720 Cont NA NameDeposit Buzzard Peak

OtherNames

Includes

Country Code USTX United States

Lat.Deg 33 Long.Deg -100 Dec.Lat 33.5 StateProvince Texas

Lat.Min 30 Long.Min -1 Dec.Long -100.033056

Lat.Sec 0 Long.Sec -59

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age Permian Ma 260 Unit San Angelo Fm., Blaine Fm. of

HostRocks Dolomite, mudstone and shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Deposit near contact of San Angelo and Blaine Formations. From 1882-1945 2550 tons of crude ore was produced

Reference Smith, G.E., 1974, Depositional systems, San Angelo Formation (Permian), North Texas—facies control of red-bed copper mineralization: Bureau of Economic Geology, Univ. of Texas at Austin, Report of Investigations No. 80, 74 p.

DepositID 721 **Cont** NA **NameDeposit** Alexander Ranch

OtherNames

Includes

Country Code USOK United States

Lat.Deg 33 **Long.Deg** -99 **Dec.Lat** 33.5 **StateProvince** Oklahoma

Lat.Min 30 **Long.Min** -45 **Dec.Long** -99.75

Lat.Sec 0 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit** San Angelo Fm. of the Pease

HostRocks Red-bed sequence of oxidized ss and mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments In clastic fluvial, deltaic deposits associated with organic trash

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 722 Cont NA NameDeposit Mcfaddin

OtherNames

Includes

Country Code USTX United States

Lat.Deg 33 Long.Deg -99 Dec.Lat 33.4833333 StateProvince Texas

Lat.Min 28 Long.Min -57 Dec.Long -99.95

Lat.Sec 60 Long.Sec 0

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Permian Ma 260 Unit San Angelo Fm. of Pease River

HostRocks Sandstone, siltstone, mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Stroud, R.B., 1970, Production potential of copper deposits associated with Permian red bed formations in Texas, Oklahoma and Kansas: U.S. Bureau of Mines RI 7422.

DepositID 723 **Cont** NA **NameDeposit** Brazos-Wichita

OtherNames

Includes

Country Code USOK United States

Lat.Deg 33 **Long.Deg** -100 **Dec.Lat** 33.4 **StateProvince** Oklahoma

Lat.Min 23 **Long.Min** -2 **Dec.Long** -100.049722

Lat.Sec 60 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit** San Angelo Fm. of Pease River

HostRocks Sandstone, siltstone, mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments In 1917 40 tons of crude ore was produced

Reference Stroud, R.B., 1970, Production potential of copper deposits associated with Permian red bed formations in Texas, Oklahoma and Kansas: U.S. Bureau of Mines RI 7422.

DepositID 724 Cont NA NameDeposit Hugh-Rogers

OtherNames

Includes

Country Code USTX United States

Lat.Deg 33 Long.Deg -100 Dec.Lat 33.3333333 StateProvince Texas

Lat.Min 19 Long.Min -3 Dec.Long -100.058056

Lat.Sec 60 Long.Sec -29

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Permian Ma 260 Unit San Angelo Fm. of Pease River

HostRocks Sandstone, siltstone, mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Stroud, R.B., 1970, Production potential of copper deposits associated with Permian red bed formations in Texas, Oklahoma and Kansas: U.S. Bureau of Mines RI 7422.

DepositID 725 **Cont** NA **NameDeposit** Tularosa

OtherNames

Includes

Country Code USNM United States

Lat.Deg 33 **Long.Deg** -105 **Dec.Lat** 33.2166667 **StateProvince** New Mexico

Lat.Min 13 **Long.Min** -49 **Dec.Long** -105.833056

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Quaternary **Ma** 1 **Unit**

HostRocks Gypsum

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Deposit rests unconformably on Permian rocks. Deposit type questionable

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 726 **Cont** NA **NameDeposit** Wiley Ranch

OtherNames

Includes

Country Code USTX United States

Lat.Deg 33 **Long.Deg** -100 **Dec.Lat** 33.0833333 **StateProvince** Texas

Lat.Min 4 **Long.Min** -10 **Dec.Long** -100.166667

Lat.Sec 60 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age Permian **Ma** 260 **Unit** Blaine Fm. of the Pease River

HostRocks Dolomite, mudstone, shale just below gypsum bed

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments At least two separate copper-bearing horizons are known

Reference Phillips, J.S., 1960, Sandstone-type copper deposits of the Western United States: Harvard University, Cambridge, Massachusetts, Ph.D. thesis, 320 p.

DepositID 727 **Cont** NA **NameDeposit** Copper Queen

OtherNames

Includes Farris

Country Code USTX United States

Lat.Deg 33 **Long.Deg** -100 **Dec.Lat** 33.0291667 **StateProvince** Texas

Lat.Min 1 **Long.Min** -4 **Dec.Long** -100.083056

Lat.Sec 45 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit** San Angelo Fm. of Pease River

HostRocks Sandstone, siltstone, mudstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Mine worked 1880-1892 and 1945, 175 tons of crude ore produced in 1890. Farris produced 65 tons of crude ore from 1965-1974.

Reference Stroud, R.B., 1970, Production potential of copper deposits associated with Permian red bed formations in Texas, Oklahoma and Kansas: U.S. Bureau of Mines RI 7422.

DepositID 728 **Cont** NA **NameDeposit** Farris

OtherNames

Includes

Country Code USTX United States

Lat.Deg 33 **Long.Deg** -100 **Dec.Lat** 33.0291667 **StateProvince** Texas

Lat.Min 1 **Long.Min** -4 **Dec.Long** -100.083056

Lat.Sec 45 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit** San Angelo Fm. of Pease River

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments 65 tons of crude ore produced from 1965-1974

Reference Stroud, R.B., 1970, Production potential of copper deposits associated with Permian red bed formations in Texas, Oklahoma and Kansas: U.S. Bureau of Mines RI 7422.

DepositID 729 Cont NA NameDeposit Courtney

OtherNames

Includes Speckled Bird

Country Code USNM United States

Lat.Deg 32 Long.Deg -105 Dec.Lat 32.9583333 StateProvince New Mexico

Lat.Min 57 Long.Min -46 Dec.Long -105.783056

Lat.Sec 30 Long.Sec -59

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Permian Ma 260 Unit Abo Fm.

HostRocks Arkosic gray shale, arkose

HangingwallBeds

FootwallRocks

Mineralogy Nodules of chalcocite coated with malachite and azurite

TraceMinerals

Comments Chalcocite and its alteration and oxidation products are main ore minerals

Reference Lapoint, D.J., 1979, Geology geochemistry and petrology of sandstone copper deposits in New Mexico: Unpublished Ph.D. thesis, University of Colorado, 333 p.

Soule, J.H., 1956, Reconnaissance of the red bed copper deposits in Southeastern Colorado and New Mexico: U.S. Bureau of Mines Information Circular 7740.

DepositID 730 **Cont** NA **NameDeposit** Warnock

OtherNames

Includes Sacramento Mountains

Country Code USNM United States

Lat.Deg 32 **Long.Deg** -105 **Dec.Lat** 32.9166667 **StateProvince** New Mexico

Lat.Min 55 **Long.Min** -47 **Dec.Long** -105.799722

Lat.Sec 0 **Long.Sec** -59

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit** Abo Fm.

HostRocks Cream-coloured arkoses of the middle unit

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Visible organic debris is rare and does not control mineralization, 2 mines and over 20 showings, from 1908-1948 produced 80 tons Cu, 900t Pb

Reference Jerome, S. E., Campbell, D. D., Wright, J. S., and Vitz, H. E., 1965, Geology and ore deposits of the Sacramento (High Rolls) mining district, Otero County, New Mexico: New Mexico State Bureau of Mines and Mineral Resources Bulletin 86, 30 p.

Lapoint, D.J., 1979, Geology geochemistry and petrology of sandstone copper deposits in New Mexico: Unpublished Ph.D. thesis, University of Colorado, 333 p.

DepositID 731 **Cont** NA **NameDeposit** Lone Eagle

OtherNames

Includes

Country Code USNM United States

Lat.Deg 32 **Long.Deg** -104 **Dec.Lat** 32.4333333 **StateProvince** New Mexico

Lat.Min 25 **Long.Min** -15 **Dec.Long** -104.25

Lat.Sec 60 **Long.Sec** 0

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age Permian **Ma** 260 **Unit** Yeso Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments Sandstone generally flat lying but sharply folded, faulted where mineralized

Reference Soule, J.H., 1956, Reconnaissance of the red bed copper deposits in Southeastern Colorado and New Mexico: U.S. Bureau of Mines Information Circular 7740.

DepositID 732 Cont NA NameDeposit Boleo

OtherNames

Includes

Country Code MXCO Mexico

Lat.Deg 27 Long.Deg -112 Dec.Lat 27.1666667 StateProvince Baja Norte

Lat.Min 10 Long.Min -30 Dec.Long -112.5

Lat.Sec Long.Sec

OreMmt 18.7 CuGrade%3.4 CoGrade% AgGradeppm 9

CuMmt .6358

Subtype Reduced facies Cu

Age L. Pliocene Ma 3 Unit Boleo Fm.

HostRocks Clay-rich tuff, gypsum

HangingwallBeds

FootwallRocks conglomerate,

Mineralogy Pyrite, chalcocite, chalcopyrite, bornite, covellite, sphalerite,

TraceMinerals Chalcopyrite has thin rims of possible carrolite. Pyrite also contains cobalt , up to 1 percent. Ore is in four mantos

Comments

Reference Wilson, I.F., 1955, Geology and mineral resources of the Boleo copper deposit, Baja California, Mexico: U.S. Geological Survey Professional Paper 273, 134 p.

Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

Bailes, R.J., Christofferson, J.E., Escandon V., Francisco, and Peatfield, G. R., 2001, Sediment-hosted deposits of the Boleo Copper-Cobalt-Zinc District, Baja California Sur. Mexico in Albinson, Tawn, and Nelson, C.E. eds. New mines and discoveries in Mexico and Central America;: Society of Economic GeologistsSpecial Publication No. 8, p.291 -306

DepositID 733 **Cont** NA **NameDeposit** Las Vigas

OtherNames Vigas

Includes

Country Code MXCO Mexico

Lat.Deg 29 **Long.Deg** -105 **Dec.Lat** 29.3633333 **StateProvince** Chihuahua

Lat.Min 21 **Long.Min** -04 **Dec.Long** -105.069444

Lat.Sec 48 **Long.Sec** -10

OreMmt 0.225 **CuGrade%** 3.2 **CoGrade%** **AgGradeppm** 09

CuMmt .0072

Subtype Redbed Cu

Age L. Cretaceous **Ma** 135 **Unit** Las Vigas Fm.

HostRocks Sandstone, shale, limestone

HangingwallBeds

FootwallRocks

Mineralogy Chalcopyrite, bornite, chalcocite, covellite, pyrite, marcasite, sphalerite. Barite, gypsum, calcite

TraceMinerals

Comments

Reference Price, J.G., Rubin, J.N., and Tweedy, S.W., 1988, Geochemistry of the Vigas red-bed copper deposit, Chihuahua, Mexico: Economic Geology, v. 83, p. 1993-2001.

DepositID 734 **Cont** NA **NameDeposit** Ugly River

OtherNames

Includes Pencar River

Country Code JMCA Jamaica

Lat.Deg 18 **Long.Deg** -76 **Dec.Lat** 18.2416667 **StateProvince**

Lat.Min 14 **Long.Min** -43 **Dec.Long** -76.7166667

Lat.Sec 30 **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L. Eocene **Ma** 53 **Unit** Wagwater Fm.

HostRocks Arkose, siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Fenton, A.D., 1979, Copper prospects of Jamaica—a geologic review: Jamaica Ministry of Mining and Natural Resources, Geological Survey Division Bulletin No. 9, p. 146-147.

Hughes, I.G., The mineral resources of Jamaica: Jamaica Ministry of Mining and Natural Resources, Geological Survey Department Bulletin No. 8, p. 19-28.

DepositID 735 Cont NA NameDeposit Phillips Gully

OtherNames

Includes

Country Code JMCA Jamaica

Lat.Deg 18 Long.Deg -76 Dec.Lat 18.133333 StateProvince

Lat.Min 08 Long.Min -38 Dec.Long -76.633333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Eocene Ma 53 Unit Wagwater Fm.

HostRocks Sandstone, mudstone, tuff

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Fenton, A.D., 1979, Copper prospects of Jamaica—a geologic review: Jamaica Ministry of Mining and Natural Resources, Geological Survey Division Bulletin No. 9, p. 146-147.

Hughes, I.G., The mineral resources of Jamaica: Jamaica Ministry of Mining and Natural Resources, Geological Survey Department Bulletin No. 8, p. 19-28.

DepositID 736 Cont NA NameDeposit Barbeque River

OtherNames

Includes

Country Code JMCA Jamaica

Lat.Deg 18 Long.Deg -76 Dec.Lat 18.1 StateProvince

Lat.Min 06 Long.Min -37 Dec.Long -76.6166667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Eocene Ma 53 Unit Wagwater Fm.

HostRocks Sandstone

HangingwallBeds Lava

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Fenton, A.D., 1979, Copper prospects of Jamaica—a geologic review: Jamaica Ministry of Mining and Natural Resources, Geological Survey Division Bulletin No. 9, p. 146-147.

Hughes, I.G., The mineral resources of Jamaica: Jamaica Ministry of Mining and Natural Resources, Geological Survey Department Bulletin No. 8, p. 19-28.

DepositID 737 **Cont** SA **NameDeposit** Serrania de Perija

OtherNames

Includes

Country Code CLBA Colombia

Lat.Deg 10 **Long.Deg** -72 **Dec.Lat** 10.6666667 **StateProvince** Guajira

Lat.Min 40 **Long.Min** -50 **Dec.Long** -72.8333333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Jurassic **Ma** 180 **Unit** La Quinta Fm.

HostRocks Sandstone, conglomerate, basalt

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, bornite, native copper

TraceMinerals

Comments

Reference Carmona, R.A., 1978, Recursos minerales de Colombia: Instituto Nacional de Investigaciones Geológico-Mineras, No. 1, 544 p.

DepositID 738 Cont SA NameDeposit Seboruco

OtherNames

Includes

Country Code VN ZL Venezuela

Lat.Deg 08 Long.Deg -72 Dec.Lat 8 StateProvince

Lat.Min 00 Long.Min 00 Dec.Long -72

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Permian Ma 260 Unit Mitu Grp

HostRocks Sandstone, conglomerate, lignite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 739 Cont SA NameDeposit Fazenda Boa Vista

OtherNames

Includes

Country Code BRZL Brazil

Lat.Deg -03 Long.Deg -40 Dec.Lat -3.18333333 StateProvince Ceará

Lat.Min -11 Long.Min -33 Dec.Long -40.55

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age Proterozoic Ma 1000 Unit Martinópolis Grp.

HostRocks Meta sedimentary rocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Azevedo Branco, P.C., 1984, Principais depósitos minerais, Chapter 9 *in* Schobbenhaus, C, Almeida Campos, D., Derze, G.R., and Asmus, H.E., eds., Geologia do Brasil, Texto Explicativa: Departamento Nacional de Produção Mineral, p. 359-419

DepositID 740 Cont SA NameDeposit Pedra Verde

OtherNames

Includes

Country Code BRZL Brazil

Lat.Deg -03 Long.Deg -41 Dec.Lat -3.5 StateProvince Ceará

Lat.Min -30 Long.Min -07 Dec.Long -41.1166667

Lat.Sec Long.Sec

OreMmt 8.2 CuGrade% 0.8 CoGrade% AgGradeppm

CuMmt .0656

Subtype Uncl.

Age Proterozoic Ma 1000 Unit Martinópolis Crp.

HostRocks Meta graywacke, phillite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Azevedo Branco, P.C., 1984, Principais depósitos minerais, Chapter 9 *in* Schobbenhaus, C, Almeida Campos, D., Derze, G.R., and Asmus, H.E., eds., Geologia do Brasil, Texto Explicativa: Departamento Nacional de Produção Mineral, p. 359-419

DepositID 741 Cont SA NameDeposit Serra do Diamante

OtherNames

Includes

Country Code BRZL Brazil

Lat.Deg -06 Long.Deg -38 Dec.Lat -6.91666667 StateProvince Ceará

Lat.Min -55 Long.Min -55 Dec.Long -38.9166667

Lat.Sec Long.Sec

OreMmt 22 CuGrade%0.8 CoGrade% AgGradeppm

CuMmt .176

Subtype Uncl.

Age Proterozoic Ma 1000 Unit Cachoerinha Grp.

HostRocks Phyllite, schist

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Azevedo Branco, P.C., 1984, Principais depósitos minerais, Chapter 9 *in* Schobbenhaus, C, Almeida Campos, D., Derze, G.R., and Asmus, H.E., eds., Geologia do Brazil, Texto Explicativa: Departamento Nacional de Produção Mineral, p. 359-419

DepositID 742 Cont SA NameDeposit Araripe

OtherNames

Includes

Country Code BRZL Brazil

Lat.Deg -07 Long.Deg -40 Dec.Lat -7.13333333 StateProvince

Lat.Min -08 Long.Min -10 Dec.Long -40.1666667

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Reduced facies Cu

Age L. Cretaceous Ma 120 Unit

HostRocks Marine sedimentary rocks

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 743 **Cont** SA **NameDeposit** Sucunduri River

OtherNames

Includes

Country Code BRZL Brazil

Lat.Deg -08 **Long.Deg** -59 **Dec.Lat** -8.75 **StateProvince**

Lat.Min -45 **Long.Min** 00 **Dec.Long** -59

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age M.Proterozoic **Ma** 1000 **Unit**

HostRocks Stromatolitic dolomite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 744 Cont SA NameDeposit Sacsallac

OtherNames

Includes

Country Code PERU Peru

Lat.Deg -9 Long.Deg -75 Dec.Lat -9.71666667 StateProvince

Lat.Min -43 Long.Min -50 Dec.Long -75.8333333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Permian Ma 260 Unit Mitu Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kobé, H.W., Stratabound Cu-(Ag) deposits in the Permian Mitu Formation, Central Peru *in* Fontboté, L., Amstutz, G.C., Cardozo, M., Cedillo, E., and Frutos, J., eds., Stratabound Ore Deposits of the Andes: Society for Geology Applied to Mineral Deposits Special Publication No. 8, p. 123-127.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 745 Cont SA NameDeposit Negra Huanusha

OtherNames

Includes

Country Code PERU Peru

Lat.Deg -11 Long.Deg -75 Dec.Lat -11.3 StateProvince

Lat.Min -18 Long.Min -51 Dec.Long -75.85

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Permian Ma 260 Unit Mitu Fm.

HostRocks Red arkose, mudstone

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite bornite, covellite

TraceMinerals Stromeyerite, polybasite, native silver

Comments Mined grade: 3.2 % Cu, 2.9% Ag

Reference Kobé, H.W., Stratabound Cu-(Ag) deposits in the Permian Mitu Formation, Central Peru *in* Fontboté, L., Amstutz, G.C., Cardozo, M., Cedillo, E., and Frutos, J., eds., Stratabound Ore Deposits of the Andes: Society for Geology Applied to Mineral Deposits Special Publication No. 8, p. 123-127.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 746 **Cont** SA **NameDeposit** Doña Basilia

OtherNames

Includes

Country Code PERU Peru

Lat.Deg -12 **Long.Deg** -75 **Dec.Lat** -12.2166667 **StateProvince**

Lat.Min -13 **Long.Min** -42 **Dec.Long** -75.7083333

Lat.Sec **Long.Sec** -30

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age L.Tertiary **Ma** 50 **Unit** Caspalca Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 747 Cont SA NameDeposit Rosario

OtherNames

Includes

Country Code PERU Peru

Lat.Deg -12 Long.Deg -74 Dec.Lat -12.716667 StateProvince

Lat.Min -43 Long.Min -20 Dec.Long -74.333333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Permian Ma 260 Unit Mitu Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kobé, H.W., Stratabound Cu-(Ag) deposits in the Permian Mitu Formation, Central Peru *in* Fontboté, L., Amstutz, G.C., Cardozo, M., Cedillo, E., and Frutos, J., eds., Stratabound Ore Deposits of the Andes: Society for Geology Applied to Mineral Deposits Special Publication No. 8, p. 123-127.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 748 Cont SA NameDeposit Maria Magdalena

OtherNames

Includes

Country Code PERU Peru

Lat.Deg -13 Long.Deg -72 Dec.Lat -13.3333333 StateProvince

Lat.Min -20 Long.Min -00 Dec.Long -72

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Permian Ma 260 Unit Mitu Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kobé, H.W., Stratabound Cu-(Ag) deposits in the Permian Mitu Formation, Central Peru *in* Fontboté, L., Amstutz, G.C., Cardozo, M., Cedillo, E., and Frutos, J., eds., Stratabound Ore Deposits of the Andes: Society for Geology Applied to Mineral Deposits Special Publication No. 8, p. 123-127.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 749 **Cont** SA **NameDeposit** Andarapa

OtherNames

Includes

Country Code PERU Peru

Lat.Deg -13 **Long.Deg** -73 **Dec.Lat** -13.5005556 **StateProvince**

Lat.Min -30 **Long.Min** -22 **Dec.Long** -73.375

Lat.Sec -02 **Long.Sec** -30

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age Permian **Ma** 260 **Unit** Mitu Grp

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 750 Cont SA NameDeposit Desaguadero

OtherNames

Includes

Country Code PERU Peru

Lat.Deg -14 Long.Deg -70 Dec.Lat -14.0833333 StateProvince

Lat.Min -05 Long.Min -36 Dec.Long -70.6

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age Permian Ma 260 Unit Mitu Grp

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 751 Cont SA NameDeposit San Silvestre

OtherNames

Includes Ana María, Tatutin, La Incognita, María Elena

Country Code BLVA Bolivia

Lat.Deg -16 Long.Deg -68 Dec.Lat -16.6083333 StateProvince

Lat.Min -36 Long.Min -53 Dec.Long -68.8875

Lat.Sec -30 Long.Sec -15

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Tertiary Ma 45 Unit Huayllamarca, Tiahuanacu Fms.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, malachite, azurite cuprite, tenorite

TraceMinerals

Comments

Reference Cox, D.P., Carrasco, R. André-Ramos, O., Hinolosa-Velasco, A., and Long, K.R., 1992, Copper in sedimentary rocks *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 95-108.

Long, K.R. Mines prospects and mineral occurrences, Appendix A, *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 244-272.

DepositID 752 Cont SA NameDeposit Chacoma

OtherNames

Includes Las Mercedes

Country Code BLVA Bolivia

Lat.Deg -16 Long.Deg -68 Dec.Lat -16.8005556 StateProvince

Lat.Min -48 Long.Min -25 Dec.Long -68.4202778

Lat.Sec -02 Long.Sec -13

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Tertiary Ma 45 Unit Tiahuanacu Fm.

HostRocks Red sandstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Cox, D.P., Carrasco, R. André-Ramos, O., Hinolosa-Velasco, A., and Long, K.R., 1992, Copper in sedimentary rocks *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 95-108.

Long, K.R. Mines prospects and mineral occurrences, Appendix A, *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 244-272.

DepositID 753 **Cont** SA **NameDeposit** Corocoro

OtherNames

Includes Porvenir, Llallagua, María Elena, Pisaqueri, Americas Unidas

Country Code BLVA Bolivia

Lat.Deg -17 **Long.Deg** -68 **Dec.Lat** -17.1641667 **StateProvince**

Lat.Min -10 **Long.Min** -27 **Dec.Long** -68.4511111

Lat.Sec 09 **Long.Sec** -04

OreMmt 7.8 **CuGrade%** 7.1 **CoGrade%** **AgGradeppm** 106

CuMmt .5538

Subtype Redbed Cu

Age Eocene **Ma** 45 **Unit** Caquiaveri, Ballivian Fms

HostRocks Red sandstone and mudstone

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, native copper, domeykite, native silver. Gypsum, anhydrite, barite, aragonite, celestite

TraceMinerals Bornite, covellite, chalcopyrite, galena, sphalerite, stromeyerite, tennantite. Chalcedony, alunite, clay

Comments Salt-gypsum diapirs. Ore contains 1.4 ppm U

Reference Cox, D.P., Carrasco, R. André-Ramos, O., Hinolosa-Velasco, A., and Long, K.R., 1992, Copper in sedimentary rocks *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 95-108.

Long, K.R. , 1992, Mines prospects and mineral occurrences, Appendix A, *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 244-272.

Avila-Santos, W., 1990, Origin of the copper pres at Corocoro, Bolivia *in* Fontboté, L., Amstitz, G.C., Cardozo, M., Cedillo, E., and Frutos, J., eds., Statabound Ore Deposits of the Andes: Society for Geology Applied to Mineral Deposits Special Publication No. 8, p. 659-670.

DepositID 754 **Cont** SA **NameDeposit** Paracatu

OtherNames

Includes

Country Code BRZL Brazil

Lat.Deg -17 **Long.Deg** -46 **Dec.Lat** -17.2333333 **StateProvince**

Lat.Min -14 **Long.Min** -52 **Dec.Long** -46.8666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Reduced facies Cu

Age U. Proterozoic **Ma** 1000 **Unit** Bambui Grp, Vazante Fm..

HostRocks Calareous siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 755 Cont SA NameDeposit Veta Verde

OtherNames

Includes

Country Code BLVA Bolivia

Lat.Deg -17 Long.Deg -68 Dec.Lat -17.3605556 StateProvince

Lat.Min -21 Long.Min -24 Dec.Long -68.4013889

Lat.Sec -38 Long.Sec -05

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Tertiary Ma 45 Unit Huayllamarca, Tiahuanacu Fms.

HostRocks Red sandstone

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, native copper and silver, bornite. Gypsum

TraceMinerals Galena

Comments Intruded by salt-gypsum diapir

Reference Cox, D.P., Carrasco, R. André-Ramos, O., Hinolosa-Velasco, A., and Long, K.R., 1992, Copper in sedimentary rocks *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 95-108.

Long, K.R. Mines prospects and mineral occurrences, Appendix A, *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 244-272.

DepositID 756 Cont SA NameDeposit Callapa

OtherNames

Includes El Hogar, Noe Group, San Agustín, San Francisco, San Miguel

Country Code BLVA Bolivia

Lat.Deg -17 Long.Deg -68 Dec.Lat -17.4 StateProvince

Lat.Min -24 Long.Min -21 Dec.Long -68.3555556

Lat.Sec -00 Long.Sec -20

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Tertiary Ma 45 Unit Huayllamarca, Totorá Fms.

HostRocks Red sandstone

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, cuprite, native copper, malachite. Gypsum

TraceMinerals

Comments

Reference Cox, D.P., Carrasco, R. André-Ramos, O., Hinolosa-Velasco, A., and Long, K.R., 1992, Copper in sedimentary rocks *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 95-108.

Long, K.R. Mines prospects and mineral occurrences, Appendix A, *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 244-272.

DepositID 757 Cont SA NameDeposit Chacarilla

OtherNames

Includes El Congreso, Porfía, Eureka, Mizague, Esperanza, La Encontrada

Country Code BLVA Bolivia

Lat.Deg -17 Long.Deg -68 Dec.Lat -17.5833333 StateProvince

Lat.Min -35 Long.Min -12 Dec.Long -68.2

Lat.Sec Long.Sec

OreMmt 2.6 CuGrade% 2.78 CoGrade% AgGradeppm 15

CuMmt .07228

Subtype Redbed Cu

Age L. Tertiary Ma 45 Unit Huayllamarca Fm.

HostRocks sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, native copper, bornite, chalcopyrite. Gypsum, celestite, pyrite

TraceMinerals

Comments Intruded by salt-gypsum diapir

Reference Cox, D.P., Carrasco, R. André-Ramos, O., Hinolosa-Velasco, A., and Long, K.R., 1992, Copper in sedimentary rocks *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 95-108.

Long, K.R. Mines prospects and mineral occurrences, Appendix A, *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 244-272.

DepositID 758 Cont SA NameDeposit Chuquichambi

OtherNames

Includes Llanquera-San Miguel, Santa María

Country Code BLVA Bolivia

Lat.Deg -17 Long.Deg -67 Dec.Lat -17.9886111 StateProvince

Lat.Min -59 Long.Min -44 Dec.Long -67.7391667

Lat.Sec -19 Long.Sec -21

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Tertiary Ma 45 Unit Huayllamarca, Totorá Fms.

HostRocks Red sandstone

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, malachite, azurite

TraceMinerals

Comments

Reference Cox, D.P., Carrasco, R. André-Ramos, O., Hinolosa-Velasco, A., and Long, K.R., 1992, Copper in sedimentary rocks *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 95-108.

Long, K.R. Mines prospects and mineral occurrences, Appendix A, *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 244-272.

DepositID 759 Cont SA NameDeposit Turco

OtherNames

Includes Santa Clara, Azurita, Corona de España, Cuprita

Country Code BLVA Bolivia

Lat.Deg -18 Long.Deg -68 Dec.Lat -18.2652778 StateProvince

Lat.Min -15 Long.Min -03 Dec.Long -68.0644444

Lat.Sec -55 Long.Sec -52

OreMmt .14 CuGrade%2.1 CoGrade% AgGradeppm

CuMmt .00294

Subtype Redbed Cu

Age L. Tertiary Ma 45 Unit Huayllamarca, Totorá Fms.

HostRocks Arkose, tuffaceous sandstone, basalt

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, cuprite, native copper, tennantite. Celestite, calcite, chlorite

TraceMinerals

Comments

Reference Cox, D.P., Carrasco, R. André-Ramos, O., Hinolosa-Velasco, A., and Long, K.R., 1992, Copper in sedimentary rocks *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 95-108.

Long, K.R. Mines prospects and mineral occurrences, Appendix A, *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 244-272.

DepositID 760 Cont SA NameDeposit Sevaruyo

OtherNames

Includes Amistad, Concepción, Tambillo

Country Code BLVA Bolivia

Lat.Deg -19 Long.Deg -66 Dec.Lat -19.3733333 StateProvince

Lat.Min -22 Long.Min -55 Dec.Long -66.9188889

Lat.Sec -24 Long.Sec -08

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Tertiary Ma 45 Unit Huayllamarca, Totorá Fms.

HostRocks Arkose, tuffaceous sandstone, basalt

HangingwallBeds

FootwallRocks

Mineralogy Cuprite, native copper, malachite

TraceMinerals

Comments

Reference Cox, D.P., Carrasco, R. André-Ramos, O., Hinolosa-Velasco, A., and Long, K.R., 1992, Copper in sedimentary rocks *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 95-108.

Long, K.R. Mines prospects and mineral occurrences, Appendix A, *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 244-272.

DepositID 761 Cont SA NameDeposit Uyuni

OtherNames

Includes Cobrizos, Iñez, Koholpani, Puntillas

Country Code BLVA Bolivia

Lat.Deg -20 Long.Deg -67 Dec.Lat -20.9936111 StateProvince

Lat.Min -59 Long.Min -12 Dec.Long -67.21

Lat.Sec -37 Long.Sec -36

OreMmt .39 CuGrade% 0.79 CoGrade% AgGradeppm

CuMmt .003081

Subtype Redbed Cu

Age L. Tertiary Ma 45 Unit Quehua, San Vicente Fms.

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, tenorite, malachite

TraceMinerals

Comments

Reference Cox, D.P., Carrasco, R. André-Ramos, O., Hinolosa-Velasco, A., and Long, K.R., 1992, Copper in sedimentary rocks *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 95-108.

Long, K.R. Mines prospects and mineral occurrences, Appendix A, *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 244-272.

DepositID 762 Cont SA NameDeposit Esmeralda

OtherNames

Includes San Pablito, Mesa Verde, Ucrania, Huancané, Ladislau Cabrera

Country Code BLVA Bolivia

Lat.Deg -21 Long.Deg -66 Dec.Lat -21.3916667 StateProvince

Lat.Min -23 Long.Min -34 Dec.Long -66.5688889

Lat.Sec -30 Long.Sec -08

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Tertiary Ma 45 Unit Quehua, Potoco Fms.

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, cuprite, tenorite, malachite

TraceMinerals

Comments

Reference Cox, D.P., Carrasco, R. André-Ramos, O., Hinolosa-Velasco, A., and Long, K.R., 1992, Copper in sedimentary rocks *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 95-108.

Long, K.R. Mines prospects and mineral occurrences, Appendix A, *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 244-272.

DepositID 763 Cont SA NameDeposit Avaroa

OtherNames

Includes Bolívar, Mantos Blancos, El Morro, Linares, Cerro Negro, Aguilar

Country Code BLVA Bolivia

Lat.Deg -21 Long.Deg -67 Dec.Lat -21.6075 StateProvince

Lat.Min -36 Long.Min -02 Dec.Long -67.0452778

Lat.Sec -27 Long.Sec -43

OreMmt 0.43 CuGrade% 4.9 CoGrade% AgGradeppm

CuMmt .02107

Subtype Redbed Cu

Age Oligocene Ma 35 Unit Quehua Fm.

HostRocks Sandstone, conglomerate

HangingwallBeds Tuff

FootwallRocks

Mineralogy Chalcocite, bornite, native copper, cuprite. Calcite, celestite

TraceMinerals

Comments Contains high levels of arsenic

Reference Cox, D.P., Carrasco, R. André-Ramos, O., Hinolosa-Velasco, A., and Long, K.R., 1992, Copper in sedimentary rocks *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 95-108.

Long, K.R. Mines prospects and mineral occurrences, Appendix A, *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 244-272.

DepositID 764 **Cont** SA **NameDeposit** San Bartolo

OtherNames Artola mine

Includes

Country Code CILE Chile

Lat.Deg -22 **Long.Deg** -68 **Dec.Lat** -22.7333333 **StateProvince** Antofagasta

Lat.Min -44 **Long.Min** -14 **Dec.Long** -68.2333333

Lat.Sec **Long.Sec**

OreMmt 1.5 **CuGrade%** 2 **CoGrade%** **AgGradeppm**

CuMmt .03

Subtype Redbed Cu

Age Oligocene-Miocene **Ma** 24 **Unit** Paciencia Grp, Artola Mbr

HostRocks Arkose, red mudstone

HangingwallBeds

FootwallRocks

Mineralogy Atacamite, tenorite, cuprite, native copper, native silver, Digenite, chalcopyrite, pyrite

TraceMinerals Galena

Comments Oxide copper minerals at Artola mine, sulfides at Palicaye mine

Reference Flint, S., 1986, Sedimentary and diagenetic controls on red bed ore genesis-the mid Tertiary San Bartolo copper deposit, Antofagasto Provice, Chile: Economic Geology, v. 81, p. 761-778.
Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p

DepositID 765 Cont SA NameDeposit Serranía de las Minas

OtherNames

Includes Farellon, Cerro Colorado, 25 de Julio, Copacabana, Bartolo

Country Code BLVA Bolivia

Lat.Deg -21 Long.Deg -67 Dec.Lat -21.7158333 StateProvince

Lat.Min -42 Long.Min -27 Dec.Long -67.4630556

Lat.Sec -57 Long.Sec -47

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age L. Tertiary Ma 45 Unit San Vicente, Potoco Fms.

HostRocks Sandstone, conglomerate

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, bornite, native copper

TraceMinerals

Comments

Reference Cox, D.P., Carrasco, R. André-Ramos, O., Hinolosa-Velasco, A., and Long, K.R., 1992, Copper in sedimentary rocks *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 95-108.

Long, K.R. Mines prospects and mineral occurrences, Appendix A, *in* U.S. Geological Survey and Servicio Geológico de Bolivia, Geology and mineral resources of the Altiplano and Cordillera Occidental, Bolivia: U.S. Geological Survey Bulletin 1975, p. 244-272.

DepositID 766 **Cont** SA **NameDeposit** Caleta Coloso

OtherNames

Includes

Country Code CILE Chile

Lat.Deg -23 **Long.Deg** -70 **Dec.Lat** -23.7494444 **StateProvince**

Lat.Min -44 **Long.Min** -30 **Dec.Long** -70.5

Lat.Sec -58 **Long.Sec** 00

OreMmt 0.185 **CuGrade%** 3 **CoGrade%** **AgGradeppm**

CuMmt .00555

Subtype Redbed Cu

Age U. Jurssic **Ma** 160 **Unit** Coloso Fm.

HostRocks Conglomerate, sandstone

HangingwallBeds

FootwallRocks

Mineralogy Chalcocite, covellite, bornite, chalcopyrite. Atacamite. Hematite, albite, analcite, K-feldspar

TraceMinerals Malachite, chalcanthite, cuprite

Comments

Reference Flint, S., and Turner, P., 1990, The conglomerate-hosted copper deposits at Caleta Coloso, Chile *in* Fontboté, L., Amstutz, G.C., Cardozo, M., Cedillo, E., and Frutos, J., eds., Statabound Ore Deposits of the Andes: Society for Geology Applied to Mineral Deposits Special Publication No. 8, p. 339-352.

Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 767 **Cont** SA **NameDeposit** Martín Bronce

OtherNames

Includes

Country Code AGTN Argentina

Lat.Deg -24 **Long.Deg** -64 **Dec.Lat** -24 **StateProvince** Jujuy

Lat.Min 00 **Long.Min** -25 **Dec.Long** -64.4166667

Lat.Sec **Long.Sec**

OreMmt 3.235 **CuGrade%** 2.41 **CoGrade%** **AgGradeppm**

CuMmt .0779635

Subtype Redbed Cu

Age U.Cretaceous **Ma** 90 **Unit** Lecho Fm.

HostRocks Sandstone , conglomerate

HangingwallBeds Sandstone

FootwallRocks Conglomerate

Mineralogy Malachite, brochantite, azurite, hematite,

TraceMinerals Chalcocite, chalcopyrite, covellite, pyrite

Comments

Reference Avila, J.C., 1999, El Yacimiento de cobre Martín Bronce, Jujuy *in* Zappettini, E.O., Segal, S., Godeas, M., Brodkorb, M.K., Schalamuk, I.A., eds., Recursos Minerales de la Republica Argentina: Instituto de Geologia y Recursos Minerales SEGEMAR, Anales 5, p. 947-949.

DepositID 768 **Cont** SA **NameDeposit** Juaramento

OtherNames

Includes

Country Code AGTN Argentina

Lat.Deg -25 **Long.Deg** -65 **Dec.Lat** -25.2166667 **StateProvince** Salta

Lat.Min -13 **Long.Min** -09 **Dec.Long** -65.15

Lat.Sec **Long.Sec**

OreMmt 59.2 **CuGrade%** 0.83 **CoGrade%** **AgGradeppm** 19.2

CuMmt .49136

Subtype Reduced facies Cu

Age U.Cretaceous **Ma** 90 **Unit** Lecho Fm.

HostRocks Sandstone , conglomerate

HangingwallBeds Sandstone

FootwallRocks Conglomerate

Mineralogy Chalcocite, bornite, chalcopyrite, galena, sphalerite, pyrite

TraceMinerals Gold

Comments

Reference Peral, A.P., and Wormald, P.J., 1999, Mineralización cuprífera del área Juramento, Salta *in* Zappettini, E.O., Segal, S., Godeas, M., Brodkorb, M.K., Schalamuk, I.A., eds., Recursos Minerales de la Republica Argentina: Instituto de Geologia y Recursos Minerales SEGEMAR, Anales 5, p. 947-949.

DepositID 769 **Cont** SA **NameDeposit** Perau

OtherNames

Includes

Country Code BRZL Brazil

Lat.Deg -25 **Long.Deg** -49 **Dec.Lat** -25.5 **StateProvince**

Lat.Min -30 **Long.Min** 00 **Dec.Long** -49

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age U. Proterozoic **Ma** 1000 **Unit** Bambui Grp, Vazante Fm..

HostRocks Calareous siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 770 Cont SA NameDeposit Jardin

OtherNames

Includes

Country Code CILE Chile

Lat.Deg -27 Long.Deg -70 Dec.Lat -27.7583333 StateProvince

Lat.Min -45 Long.Min -11 Dec.Long -70.1916667

Lat.Sec -30 Long.Sec -30

OreMmt 2 CuGrade% 1.75 CoGrade% AgGradeppm 140

CuMmt .035

Subtype Uncl.

Age Paleocene Ma 60 Unit Hornitos Fm.

HostRocks Tuff, siltstone, carbonaceous shale, ignimbrite

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID	771	Cont	SA	NameDeposit	Salsinho
OtherNames					
Includes	Bom Jardim				
Country Code	BRZL	Brazil			
Lat.Deg	-30	Long.Deg	-53	Dec.Lat	-30.5
Lat.Min	-30	Long.Min	-18	Dec.Long	-53.3
Lat.Sec		Long.Sec			
OreMmt		CuGrade%		CoGrade%	AgGradeppm
		CuMmt			
Subtype	Uncl.				
Age	U. Proterozoic	Ma	700	Unit	Maricá Grp.
HostRocks	sandstone, conglomerate				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments	Partly stratiform, partly vein controlled.				
Reference	Azevedo Branco, P.C., 1984, Principais depósitos minerais, Chapter 9 <i>in</i> Schobbenhaus, C, Almeida Campos, D., Derze, G.R., and Asmus, H.E., eds., Geologia do Brasil, Texto Explicativa: Departamento Nacional de Produção Mineral, p. 359-419				

DepositID	772	Cont	SA	NameDeposit	Cerro dos Martíns
OtherNames					
Includes	Cerro das Ovelhas				
Country Code	BRZL	Brazil			
Lat.Deg	-30	Long.Deg	-53	Dec.Lat	-30.7166667
Lat.Min	-43	Long.Min	-27	Dec.Long	-53.45
Lat.Sec		Long.Sec			
OreMmt	1.5	CuGrade%	0.89	CoGrade%	AgGradeppm
		CuMmt	.01335		
Subtype Uncl.					
Age	U. Proterozoic			Ma	700
				Unit	Maricá Grp.
HostRocks	sandstone, andesite				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments	Includes Pb and Zn. Partly stratiform, parly vein controled.				

Reference Azevedo Branco, P.C., 1984, Principais depósitos minerais, Chapter 9 *in* Schobbenhaus, C, Almeida Campos, D., Derze, G.R., and Asmus, H.E., eds., Geologia do Brazil, Texto Explicativa: Departamento Nacional de Produção Mineral, p. 359-419

DepositID	773	Cont	SA	NameDeposit	Camaquã District
OtherNames					
Includes	São Luis, Uruguai, Cemitério				
Country Code	BRZL	Brazil			
Lat.Deg	-30	Long.Deg	-53	Dec.Lat	-30.9166667
Lat.Min	-55	Long.Min	-26	Dec.Long	-53.4333333
Lat.Sec		Long.Sec			
OreMmt	31	CuGrade%	1.06	CoGrade%	AgGradeppm
		CuMmt	.3286		
Subtype Uncl.					
Age	U. Proterozoic	Ma	700	Unit	Maricá Grp.
HostRocks	Conglomerate, sandstone, siltstone				
HangingwallBeds					
FootwallRocks					
Mineralogy					
TraceMinerals					
Comments	Contains Ag, grade not given. Also 0.3-0.5 g/t Au. Partly stratiform, parly vein controlled.				
Reference	Azevedo Branco, P.C., 1984, Principais depósitos minerais, Chapter 9 <i>in</i> Schobbenhaus, C, Almeida Campos, D., Derze, G.R., and Asmus, H.E., eds., Geologia do Brazil, Texto Explicativa: Departamento Nacional de Produção Mineral, p. 359-419				

DepositID 774 **Cont** SA **NameDeposit** Casa de Pedra

OtherNames

Includes Passo Catarina

Country Code BRZL Brazil

Lat.Deg -30 **Long.Deg** -53 **Dec.Lat** -30.9833333 **StateProvince** Rio Grande do Sul

Lat.Min -59 **Long.Min** -34 **Dec.Long** -53.5666667

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age U. Proterozoic **Ma** 700 **Unit** Maricá Grp.

HostRocks Sandstone, siltstone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Azevedo Branco, P.C., 1984, Principais depósitos minerais, Chapter 9 *in* Schobbenhaus, C, Almeida Campos, D., Derze, G.R., and Asmus, H.E., eds., Geologia do Brazil, Texto Explicativa: Departamento Nacional de Produção Mineral, p. 359-419

DepositID 775 Cont SA NameDeposit Rusa

OtherNames

Includes

Country Code CILE Chile

Lat.Deg -32 Long.Deg -71 Dec.Lat -32.35 StateProvince

Lat.Min -21 Long.Min -05 Dec.Long -71.0833333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age L. Cretaceous Ma 120 Unit

HostRocks Shaley limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 776 Cont SA NameDeposit Veta Negra

OtherNames

Includes

Country Code CILE Chile

Lat.Deg -32 Long.Deg -71 Dec.Lat -32.4833333 StateProvince

Lat.Min -29 Long.Min -06 Dec.Long -71.1

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age L. Cretaceous Ma 120 Unit

HostRocks Black shale

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 777 **Cont** SA **NameDeposit** Carmen

OtherNames

Includes

Country Code CILE Chile

Lat.Deg -32 **Long.Deg** -71 **Dec.Lat** -32.5 **StateProvince**

Lat.Min -30 **Long.Min** 00 **Dec.Long** -71

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Uncl.

Age L. Cretaceous **Ma** 120 **Unit**

HostRocks Laminated black limestone

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramée, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 778 Cont SA NameDeposit Cerro Negro

OtherNames

Includes

Country Code AGTN Argentina

Lat.Deg -32 Long.Deg -70 Dec.Lat -32.5666667 StateProvince

Lat.Min -34 Long.Min -05 Dec.Long -70.0833333

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Uncl.

Age U. Cretaceous Ma 80 Unit

HostRocks Breccia, clastic sediments

HangingwallBeds

FootwallRocks

Mineralogy

TraceMinerals

Comments

Reference Kirkham, R.V, Carriere, J.J., Laramie, R.M., and Garson, D.F., 1994, Global distribution of sediment-hosted stratiform copper deposits and occurrences: Geological Survey of Canada Open File 2915b, 256 p.

DepositID 779 Cont SA NameDeposit Campesino Norte

OtherNames

Includes

Country Code AGTN Argentina

Lat.Deg -38 Long.Deg -69 Dec.Lat -38.3 StateProvince Neuquén

Lat.Min -18 Long.Min -03 Dec.Long -69.05

Lat.Sec Long.Sec

OreMmt CuGrade% CoGrade% AgGradeppm

CuMmt

Subtype Redbed Cu

Age U.Cretaceous Ma 90 Unit Huincul Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Malachite, chrysocolla, bitumen

TraceMinerals Chalcocite

Comments

Reference Lyons, W.A.1999, Las areniscas cupríferas del Neuquén *in* Zappettini, E.O., Segal, S., Godeas, M., Brodkorb, M.K., Schalamuk, I.A., eds., Recursos Minerales de la Republica Argentina: Instituto de Geologia y Recursos Minerales SEGEMAR, Anales 5, p. 1147-1158.

DepositID 780 **Cont** SA **NameDeposit** San Romeleo

OtherNames

Includes

Country Code AGTN **Argentina**

Lat.Deg -36 **Long.Deg** -69 **Dec.Lat** -36.5833333 **StateProvince** Mendoza

Lat.Min -35 **Long.Min** -27 **Dec.Long** -69.45

Lat.Sec **Long.Sec**

OreMmt 0.257 **CuGrade%** 1.29 **CoGrade%** **AgGradeppm**

CuMmt .0033153

Subtype Redbed Cu

Age U.Cretaceous **Ma** 90 **Unit** Diamante Fm.

HostRocks Feldspathic sandstone, calcareous, gypsiferous, bituminous

HangingwallBeds

FootwallRocks

Mineralogy Chalcanthite, malachite, azurite, brochantite, antlerite, chalcocite, cuprite, bitumen

TraceMinerals

Comments

Reference Centeno, R. and Fusari, C.1999, Mina San Romeleo *in* Zappettini, E.O., Segal, S., Godeas, M., Brodkorb, M.K., Schalamuk, I.A., eds., Recursos Minerales de la Republica Argentina: Instituto de Geologia y Recursos Minerales SEGEMAR, Anales 5, p. 1147-1148.

DepositID 781 **Cont** SA **NameDeposit** Sausal Bonita

OtherNames

Includes Puesto Lago

Country Code AGTN Argentina

Lat.Deg -38 **Long.Deg** -69 **Dec.Lat** -38.6333333 **StateProvince** Neuquén

Lat.Min -38 **Long.Min** -11 **Dec.Long** -69.1833333

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U.Cretaceous **Ma** 90 **Unit** Huincul Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Malachite, chalcocite, chrysocolla, bitumen

TraceMinerals

Comments

Reference Lyons, W.A.1999, Las areniscas cupríferas del Neuquén *in* Zappettini, E.O., Segal, S., Godeas, M., Brodkorb, M.K., Schalamuk, I.A., eds., Recursos Minerales de la Republica Argentina: Instituto de Geologia y Recursos Minerales SEGEMAR, Anales 5, p. 1147-1158.

DepositID 782 **Cont** SA **NameDeposit** Cerro Mesa

OtherNames

Includes La Olla, Santa Genoveva

Country Code AGTN **Argentina**

Lat.Deg -38 **Long.Deg** -69 **Dec.Lat** -38.6833333 **StateProvince** Neuquén

Lat.Min -41 **Long.Min** -36 **Dec.Long** -69.6

Lat.Sec **Long.Sec**

OreMmt **CuGrade%** **CoGrade%** **AgGradeppm**

CuMmt

Subtype Redbed Cu

Age U.Cretaceous **Ma** 90 **Unit** Huincul Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Malachite, chalcocite, azurite, calcite, bitumen

TraceMinerals

Comments Contain U minerals

Reference Lyons, W.A.1999, Las areniscas cupríferas del Neuquén *in* Zappettini, E.O., Segal, S., Godeas, M., Brodkorb, M.K., Schalamuk, I.A., eds., Recursos Minerales de la Republica Argentina: Instituto de Geologia y Recursos Minerales SEGEMAR, Anales 5, p. 1147-1158.

DepositID 783 Cont SA NameDeposit Barda González

OtherNames

Includes Tordillos

Country Code AGTN Argentina

Lat.Deg -38 Long.Deg -68 Dec.Lat -38.8833333 StateProvince Neuquén

Lat.Min -53 Long.Min -59 Dec.Long -68.9833333

Lat.Sec Long.Sec

OreMmt 35.5 CuGrade% 0.368 CoGrade% AgGradeppm 2.5

CuMmt .13064

Subtype Redbed Cu

Age U.Cretaceous Ma 90 Unit Portezuelo Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Malachite, calcite, bitumen, pitchblende, carnotite

TraceMinerals Chalcocite, azurite

Comments

Reference Lyons, W.A.1999, Las areniscas cupríferas del Neuquén *in* Zappettini, E.O., Segal, S., Godeas, M., Brodkorb, M.K., Schalamuk, I.A., eds., Recursos Minerales de la Republica Argentina: Instituto de Geologia y Recursos Minerales SEGEMAR, Anales 5, p. 1147-1158.

DepositID 784 Cont SA NameDeposit Cerro Granito

OtherNames El Porvenir

Includes Barda Negra

Country Code AGTN Argentina

Lat.Deg -39 Long.Deg -69 Dec.Lat -39.2166667 StateProvince Neuquén

Lat.Min -13 Long.Min -49 Dec.Long -69.8166667

Lat.Sec Long.Sec

OreMmt 2 CuGrade%0.5 CoGrade% AgGradeppm

CuMmt .01

Subtype Redbed Cu

Age U.Cretaceous Ma 90 Unit Huincul Fm.

HostRocks Sandstone

HangingwallBeds

FootwallRocks

Mineralogy Malachite, chalcocite, calcite, bitumen

TraceMinerals

Comments

Reference Lyons, W.A.1999, Las areniscas cupríferas del Neuquén *in* Zappettini, E.O., Segal, S., Godeas, M., Brodkorb, M.K., Schalamuk, I.A., eds., Recursos Minerales de la Republica Argentina: Instituto de Geologia y Recursos Minerales SEGEMAR, Anales 5, p. 1147-1158.

DepositID 785 **Cont** N. **NameDeposit** Kennecott

OtherNames

Includes Bonanza, Jumbo, Mother Lode, Erie

Country Code USAK United States

Lat.Deg 61 **Long.Deg** -142 **Dec.Lat** 61.5333333 **StateProvince** Alaska

Lat.Min 32 **Long.Min** -52 **Dec.Long** -142.866667

Lat.Sec **Long.Sec**

OreMmt 4 **CuGrade%** 13 **CoGrade%** **AgGradeppm**

CuMmt .52

Subtype Unclassified

Age Triassic **Ma** **Unit** Chitistone Limestone

HostRocks Stromatolitic limestone, dolomite, microbial mats.

HangingwallBeds Limestone, shale, chert

FootwallRocks Basalt, Nikolai Greenstone

Mineralogy Chalcocite, djurleite, covellite, bornite, chalcopyrite, digenite, anilite, luzonite, azurite, malchite

TraceMinerals

Comments Ore in massive veins following solution cavities and breccias

Reference Bateman, A.M., and Laughlin, D.H., 1920, Geology and ore deposits of Kennecott, Alaska: Economic Geology, v. 15, p. 1-80.

MacKevett, E.M., Cox, D.P., Potter, R.W., and Silberman, M.L., 1997, Kennecott-type deposits, Wrangell Mountains, Alaska: High-grade copper deposition near a limestone-basalt contact in Goldfarb, R.J., and Miller, L.D., eds., Mineral deposits of Alaska: Economic Geology Monograph 9, p. 69-89.