Occurrence Details

Occurrence Number: 105D 158
Occurrence Name: Mount Skukum-Lake Vein
Occurrence Type: Hard-rock
Status: Deposit
Date printed: 6/14/2025 11:26:29 AM

General Information

Primary Commodities: gold, silver
Secondary Commodities: arsenic
Aliases: Mt. Skukum Mine, Skukum
Deposit Type(s): Epithermal Au-Ag: Low Sulphidation
Location(s): 60°12'24" N - -135°28'9" W
NTS Mapsheet(s): 105D03
Location Comments: Location digitized from map in 2020 NI43-101 report
Hand Samples Available: Yes
Last Reviewed:

Capsule

Work History

Staked as Kuku cl 1-48 (YA6199) and Kuku cl 49-331 (YA61623) in Jun/81 by Agip Canada Ltd. The company carried out geochemical sampling, magnetometer surveying and trenching in the summer of 1981; staked Chief cl 1-71 (YA74384) in Nov/81; carried out geological mapping, geochemical sampling, magnetometer surveying and drilled 29 holes (3 326 m) in 1982; and geological mapping, magnetometer surveying, trenching and drilled 40 holes (4 545 m) in 1983.

Mineralization was discovered in 1980 during a geochemical survey, but was not announced until May/84 when Agip entered a joint venture with Erickson Gold Mines Ltd. Erickson drilled 61 holes (6 097 m), drove a 641 m cross-cut, made preparation for a production decision and formed an operating subsidiary, Mount Skukum Gold Mining Corporation in 1984 and constructed a 300 tonne/day mill that commenced production in Feb/86. In 1985, Erickson changed its name to Total Erickson Resources Ltd.

The 1986 surface drill program totaled 5 327.3 m and concentrated on the Brandy and Lake Zones, while underground work, including 1 578 m of drilling, 1 634 m of horizontal development and 397 m of vertical development was restricted to the main Cirque Zone. Geophysical surveying was carried out along three veins (Pika, Fox and Gully) located near the main Cirque Zone, while geochemical surveying was carried out on several targets on the property. Work in 1987 included a development adit to the Brandy and Lake Zones, plus 8 630 m of surface and 2 513 m of underground drilling.

In 1988, twenty targets were explored with geological mapping, geochemical sampling, trenching and 13 644 m of drilling in 71 surface and 36 underground holes. Mining operations ceased in Aug/88 when drill proven reserves at the Lake Zone were not confirmed by mining. During the period from Feb/86 to Jun/88, 2 419 700 g Au were produced from 223 400 tonnes of Cirque Zone ore, with an average grade of 13.0 g/t (figure taken from CME Consulting report). Silver production was not reported. In 1989, Total Energold and Agip carried out geological mapping, prospecting, geochemical sampling and drilled 13 holes (3 267 m) on the previously untested Tango, Goat and Ocean veins.

Glencairn Explorations Ltd acquired 100% of Mount Skukum Mining Corporation in 1991. Wheaton River Resources (45% owned by Glencairn) drilled three holes (1 050.4 m) on Chieftain Hill to test the Ocean Vein in 1991.

In 1996 Omni Resources Ltd optioned the property and completed road work on various Kuku claims. In Jun/97 the company staked Kuku cl 22 (YB97767) and Pup cl 29-30 (YB97801) and carried out geochemical rock sampling, prospecting and geological mapping of the northernmost Kuku claims.

Trumpeter Yukon Gold Inc acquired a 50% interest in Omni Resources Ltd in Sep/97. In Apr/99, various Kuku claims which had lapsed and other internal fractions were (re)staked as CL cl 6-30 (YC14135). The company carried out a single day of prospecting and rock sampling on the surviving Kuku claims in Aug/2000. A new prospect named the Carleston vein was discovered on the edge of the Mount Skukum caldera in 2000, 5 km west of the Skukum Creek occurrence.

In Nov/2000 Omni amalgamated with Trumpeter Yukon Gold Inc to form Tagish Lake Gold Corporation, which carried out prospecting, geological mapping and geochemcial rock sampling over a period of 4 days in August and Sep/2001. During 2003 the company completed data compilation and intergration to digital format of historical data from drilling carried out by Mount Skukum Mining on the Lake zone.
Between 2001 and 2007, Tagish Lake drilled approximately 123 holes for over 15 000 m on various targets on the project.
In 2010, Tagish Lake Gold changed its name to New Pacific Metals Ltd.
In 2011, New Pacific drilled 41 holes for 12 488 m on various targets.
A Technical Report by R.G. Simpson and C.O. Nash stating a resource estimate was filed on September 14, 2012 with an effective date of July 16,2012. A revised document of that report was released with a revision date of July 31, 2013. The revision was made to address comments by the British Columbia Securities Commission, include change in authorship but no material change and the resource estimate was unchanged.
In 2020, New Pacific spun out Whitehorse Gold Corp as the owner of the Skukum Gold Project. Later that year, the company drilled 4 holes for 2 091 m.
In 2021, Whitehorse Gold drilled 44 holes for 16 554 m and based on this additional information, update the resource estimate for the project in an updated NI43-101 report filed in the summer of 2022.

Capsule Geology

Gold and silver occur in three separate quartz-calcite vein zones associated with sub-parallel faults. The largest, most easterly and thoroughly explored zone is the Cirque zone which is 200 m long, 80 m deep and averages 5 m thick. It is a cluster of veins associated with a flexure in the Main Zone Fault. The Main Zone Fault is a 20 to 30 m wide structure containing numerous felsic to andesitic dykes and bounded by stockwork veins (each 0.1 to 3.0 m wide). The fault strikes 030° to 050°, dips steeply southeast and has been traced on surface for a length of 1.5 km.

The mineralized structures cut gently southwest-dipping porphyritic andesite flow rocks and lapilli tuff of the Lower Eocene aged Watson River Formation (Hart, 1990). The andesite rocks represent proximal and vent facies volcanic rocks deposited on the upper parts of a strata-volcano (McDonald, 1990) and are part of the Mt. Skukum Volcanic Complex. The epithermal mineralization and alteration assemblege resembles that of an adularia-sericite system. Mineralization is confined to the second of two stages of veining. Although it is widely distributed, mineralization in the Cirque zone is best developed in the fault zone, adjacent to a 30 m thick rhyolite dyke.

The gold occurs in individual veins up to 10 m wide that frequently bifurcate into smaller discontinuous veins parallel to the fault. The veins consist of comb-textured, vuggy, sugary or massive quartz and calcite enclosing numerous wall-rock fragments. Coarse-banded calcite crystals up to 1.5 m long are sometimes intergrown with the quartz. Sulphides are absent and alteration is limited to a weak phyllic halo. Gold and silver, with a consistent ratio of 1.2:1.0, occur in fine flakes 15 to 20 microns across, and are restricted to quartz even though calcite commonly comprises up to half the gangue. Unmineralized blue-grey chalcedonic veinlets up to 2 mm thick with pyritic selvages also occur. These form dense stockworks associated with intense phyllic alteration and weather to form limonitic gossans.

At the beginning of 1986, before the commencement of mining, the Cirque zone hosted reserves of 146 901 tonnes grading 25.03 g/t Au and 20.58 g/t Ag. In May/87, combined reserves for the Brandy

and Lake zones were estimated at 94 902 tonnes grading 16.46 g/t Au. Reserves after the Aug/88 shutdown were estimated at 36,000 tonnes (Lake Zone), grading 13.7 g/t Au.

Several other veins on the property were explored by diamond drilling in 1989. The Tango vein was discovered as a result of soil samples downslope which returned values greater than 2000 ppb Au. It is a brecciated chalcedonic quartz vein in and near the footwall of the 150 to 200 m wide rhyolite ring dyke which surrounds the Mt Skukum caldera. Silica replacements of bladed calcite crystals provide evidence of boiling in the area where the vein outcrops on the ridge crest. Diamond drilling in 1989 intersected the vein at about 300 m below the surface. In hole #89-556, the vein consisted of 3.48 m of coarse, vuggy limonitic breccia with 80% quartz and 20% coarse heterolithic fragments. Low gold assays were obtained.

The Goat vein in hole 89-554 consisted of 4.27 m of rusty quartz stockwork with no significant gold values. The Ocean vein was traced by HLEM surveying over a strike length of 580 m. It narrows to the east and is cut off by a caldera boundary fault. Drilling on the Ocean vein encountered gouge and breccia in the hanging wall and a rhyolite dyke in the footwall. Drillhole #89-550 intersected a fragmented quartz vein with pyrite, galena and sphalerite along fractures. Assays averaged 1.44 g/t Au, 255.4 g/t Ag, 1.87% Pb and 0.2% Cu over a true thickness of 0.96 m.

Regional prospecting and geochemistry in 1989 outlined four other mineralized areas: the Hummingbird zone and the Watusi, Wolverine and Marmot veins. The Hummingbird zone and Watusi vein occur on an extension of the caldera boundary fault where it cuts basement metamorphic rocks. The Hummingbird is a discontinuous shear zone up to 1 m wide, filled with pyrrhotite, pyrite and arsenopyrite. The Watusi is a quartz-arsenopyrite vein up to 4 m thick which parallels the foliation in the host schist over a strike length of 200 m. Contour soil samples downslope returned values up to 618 ppb Au and 171.7 ppm Ag. The Marmot and Wolverine veins lie parallel to the Lake zone in the middle cirque at Mt Skukum. They consist of quartz-calcite and are brecciated in places. The Marmot is a narrow vein containing up to 3% electrum. It is 15 to 20 cm wide, with an exposed length of 12 m, which pinches out to the south and is covered by overburden to the north. The Wolverine vein is 13 to 47 cm wide and has been traced over a strike length of 35 m.

In 1991, Wheaton River Resources drill-tested two parallel HLEM anomalies with three holes (1 050.4 m). Sulphides were encountered in a zone of sheared, bleached granodiorite, with margins of clay gouge, cut by sheared, quartz-veined rhyolite dykes with clay gouge along the margins. Up to 10% pyrite, and lesser galena, sphalerite and minor chalcopyrite were confined to the quartz veins, which returned anomalous Pb, Zn, Ag and As values.

Omni's work in 1996 focused on determining the source of massive bull quartz vein boulder material discovered along the main haul road to the mine site. Mineralization in the form of pyritiferous bull quartz veins and associated rhyolitic and quartz-feldspar porphyry dikes were discovered and sampled. Analysis returned low values for base and precious metals. Trumpeter Resources' one-day exploration program was focused on prospecting the possible strike extensions of auriferous quartz-carbonate veins found at the main Mt. Skukum deposit. Three samples of quartz-carbonate material were collected, all of which returned background values for precious metals.

In Aug/2001, Tagish Lake Gold Corporation announced an Indicated Mineral Resource of 109 200 tonnes grading 13.4 g/t Au for the Lake zone. Prospecting carried out during this period in the vicinity of the minesite relocated several historical showings and zones and through sampling and analysis, reconfirmed gold values reported by previous operators.

A Technical Report by R.G. Simpson and C.O. Nash stating a resource estimate was filed on September 14, 2012 with an effective date of July 16,2012. A revised document of that report was released with a revision date of July 31, 2013. The revision was made to address comments by the British Columbia Securities Commission, include change in authorship but no material change and the resource estimate was unchanged. The current INFERRED resource for the Lake Zone, which incorporates results of the 2011 drilling program, is listed at 90,500 tonnes grading 9.51g/t Au and 13g/t Ag at a 3.0g/t AuEq cut-off grade, for a total of 26,900 oz Au (836,683 g Au) and 37,800 oz Ag (1,175,711g Ag).

References

AGIP CANADA LTD, Jun/82. Assessment Report #091061 by A.Doherty

AGIP CANADA LTD, Jun/82. Assessment Report #091115 by A. Doherty and R. Tykajlo.

AGIP CANADA LTD, May/83. Assessment Report #091462 by A. Doherty.

AGIP CANADA LTD, Aug/83. Assessment Report #091474 by A. Doherty.

AGIP CANADA LTD, Jun/84. Assessment Report #091540 by R.A. Doherty.

AGIP CANADA LTD, Dec/84. Assessment Report #091584 by R.C.R. Robertson.

AGIP CANADA LTD, Jun/87. Assessment Report #091945 by L.C. Mortimer.

BREMNER, T., Jul/89. Notes from property visit.

CME CONSULTING LTD, Aug/2001. Review of Skukum Property for Tagish Lake Gold Corp by C.O. Naas. (available from Sedar website).

ERICKSON GOLD MINES LTD, News Releases, 30 May 84; 27 Mar, 3 Apr, 24 Nov/86.

GEORGE CROSS NEWSLETTER, 14 Feb/91.

HART, C., 1990. Chieftain Hill (Morning, Evening, Ocean). Exploration and Geological Services Division, Yukon Region. Indian and Northern Affairs Canada, Yukon Exploration 1991, p. 35-39.

HART, C.J.R. and RADLOFF, J.K., 1990. Geology of Whitehorse, Alligator Lake, Fenwick Creek, Carcross and part of Robinson Map Areas (105D/11, 6, 3 and 7). Indian and Northern Affairs Canada, Yukon Region, Open File 1990-4.

LOWE, D.A., 1989. Geology of the epithermal Mount Skukum gold deposit, Yukon Territory. Geological Survey of Canada Open File 2123, p. 47.

MCDONALD, B.W.D., 1990. Geology and genesis of the Mount Skukum epithermal gold-silver deposits, southwestern Yukon Territory. DIAND, EGSD Bulletin 2.

MT SKUKUM GOLD MINING CORPORATION, 1989. Assessment Report #092784 by D. Reddy.

MT SKUKUM GOLD MINING CORPORATION, Jan/90. Assessment Report #092783 by D. Reddy and B. MacDonald.

NORTHERN MINER, 7 Jun/84, 1 Nov/84, 3 Jun/96, 1 Aug/86, 8 Dec/86, 2 Feb/87, 25 May/87, 15 Aug/88, 14 Feb/91, 8 Oct/2001.

OMNI RESOURCES INC, Apr/97. Assessment Report #093638 by B. Mann.

OMNI RESOURCES INC, Dec/97. Assessment Report #093720 by T.M. Elliott.

OMNI RESOURCES INC, Oct/98. Assessment Report #093903 by G.L. Wesa.

OMNI RESOURCES INC, Nov/98. Assessment Report #093943 by G.L. Wesa.

OMNI RESOURCES INC and TRUMPETER YUKON GOLD INC, Nov/2000. Joint News Release.

TAGISH LAKE GOLD CORPORATION, Feb/2002. Assessment Report #094243 by C.O. Naas.

TAGISH LAKE GOLD CORPORATION, Feb/2003. Annual Information Form.

TAGISH LAKE GOLD CORPORATION, Jan/2003; Sep/2003. Web Site: www.tagishgold.com.

TAGISH LAKE GOLD CORPORATION, May/2004. Assessment Report #094509 by C.O. Naas.

THE CLAIM POST, Aug/91, p.3; Oct-Nov/91, p. 16-17.

TOTAL ERICKSON RESOURCES LTD, Mar/87. Assessment Report #091920 by E. Dussell.

TRUMPETER YUKON GOLD INC, Mar/2001. Assessment Report #094198 by C.O. Naas.

VON GAZA, P., 1989. Image Enhancements for Mineral Exploration. Unpublished M.Sc. Thesis, University of Alberta, Edmonton, 1989.

WHEATON RIVER MINERALS LTD, Jan/92. Assessment Report #092993 by R.A. Doherty.

YUKON EXPLORATION 1985-86, p. 49, 52, 175; 1987, p. 15, 17, 119; 1988, p. 253; 1991, p. 8.

YUKON EXPLORATION AND GEOLOGY 1981, p. 166; 1983, p. 68-72, 116; 1983, p. 94-104, 162; 1984, p. 71; 2000, p. 21, 26.

YUKON GEOLOGY VOL.1, 1985, p. 6-10.

Work History

Date	Work Type	Comment
9/2/2011	Studies	O'Connor, Sept 2011, AMEC Mining Consultants. Technical Report.
7/31/2013	Studies	Simpson, July 31 2013, revised and restated version of 2012 report (Simpson and Nash), no material change.
7/16/2012	Studies	Naas C. and Simpson R.G., July 2012.
7/1/2020	Geochemistry	
7/1/2020	Geology	
7/1/2009	Geochemistry	
7/1/2009	Ground Geophysics	
7/1/2009	Ground Geophysics	
7/1/2002	Pre-existing Data	
7/1/2002	Geology	
7/1/1988	Airborne Geophysics	
7/1/1988	Airborne Geophysics	
7/1/1987	Lab Work/Physical Studies	
7/1/1987	Geology	
7/1/1983	Geochemistry	
7/1/1983	Geochemistry	
7/1/1982	Airphotography	
7/1/1982	Other	
7/1/1982	Other	
7/1/1981	Airphotography	
7/1/1981	Trenching	
7/1/1981	Geochemistry	
7/1/1981	Geochemistry	
7/1/1981	Ground Geophysics	
7/1/1980	Geochemistry	
7/1/1980	Geochemistry	
7/1/1980	Geochemistry	
12/31/2001	Geochemistry	
12/31/2001	Geology	
12/31/2001	Other	
12/31/2000	Geochemistry	

12/31/1996	Geology	
12/31/1996	Development, Surface	
12/31/1996	Development, Surface	
12/31/1991	Drilling	Three holes, 1,050.4 m.
12/31/1989	Geochemistry	Also soil sampling.
12/31/1989	Drilling	Thirteen holes 3,267 m.
12/31/1989	Geology	
12/31/1989	Other	
12/31/1988	Geochemistry	Also soil sampling.
12/31/1988	Drilling	One hundred and seven holes, 13,644 m.
12/31/1988	Geology	
12/31/1988	Trenching	
12/31/1987	Drilling	Surface drilling = 8,630 m, Underground drilling = 2,513 m.
12/31/1987	Geology	
12/31/1987	Development, Underground	Developed adit.
12/31/1986	Drilling	Number of holes unknown, 1,578 m. Underground drilling.
12/31/1986	Geology	
12/31/1986	Development, Underground	
12/31/1985	Geology	
12/31/1985	Development, Surface	
12/31/1985	Other	
12/31/1984	Drilling	Sixty-one holes, 6,097 m.
12/31/1984	Development, Underground	Drove crosscut 641 m.
12/31/1983	Drilling	Forty holes, 4,545 m.
12/31/1983	Geology	
12/31/1983	Ground Geophysics	
12/31/1983	Trenching	
12/31/1982	Geochemistry	Also soil sampling.
12/31/1982	Drilling	Twenty-nine holes, 3,326 m.
12/31/1982	Geology	
12/31/1982	Ground Geophysics	
12/31/1981	Geochemistry	
12/31/1981	Ground Geophysics	
12/31/1981	Trenching	
12/13/2003	Pre-existing Data	
12/13/1997	Geochemistry	
12/13/1997	Geology	
12/13/1997	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095827	2011	Tagish Lake Gold Property, Exploration Report for 2011, Geological, Geochemical, Diamond Drilling and Data Compilation Work	Rehabilitation - Development, Underground, Diamond - Drilling, Drill Core - Geochemistry, Historical Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Surveying - Other, Data Compilation - Pre-existing Data, Digitizing Data - Pre-existing Data	51	12487.77
		Skukum Project Exploration Report for 2009 Geochemical and			

095183	2009	Skukum Project Exploration Report for 2009 Geochemical and Geophysical Work Done on the Following Mineral Claims Char,Chief,Cl,Glee,Kuku,Lb,Mil,Mom,Omni,Pop,Raca,Sten	Rock - Geochemistry, IP - Ground Geophysics, Resistivity - Ground Geophysics		
094337	2002	Geological Structure and Alteration Study of the Pop,Mom,Chief,Glee,Tech,Berg,Sten,Mil Claims	Detailed Bedrock Mapping - Geology, Petrographic - Lab Work/Physical Studies, Process/Interpret - Pre-existing Data		
094243	2001	Prospecting and Rock Sampling on the Mek,CL,Pup,Kuku and TM Claims	Rock - Geochemistry, Silt - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
091474	1983	Surface Work Geological Mapping and Geochemical Sampling	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
091462	1982	Surface Work, Geological Mapping and Geochemical Sampling, Mount Skukum Area, Kuku Claims	Orthophoto - Airphotography, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Line Cutting - Other, Surveying - Other		
090975	1981	Geochemical and Geological Report Nomen Dubiu, 1-24 Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Prospecting - Other		
091061	1981	Geological Mapping,Geochemical Sampling and Trenching, Mount Skukum Area, Kuku Claims	Orthophoto - Airphotography, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies, Backhoe - Trenching		
090738	1980	Geological and Geochemical Report, Nat Joint Venture Norm 11-8 Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry		
090740	1980	Geochemical and Geological Report Nat Joint Venture Nomen Dubiu, 1-24 Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC005326	Stream sediment & heavy mineral concentrate sample locations map - Gold & silver analyses - Mt. Skukum		Property File Collection	Geochemical Map
ARMC005327	Soil sample locations map - Copper & molybdenum analyses - Project 4008 - Mt. Skukum		Property File Collection	Geochemical Map
ARMC005328	Stream sediment geochemistry map - Project 4008 - Mt. Skukum		Property File Collection	Geochemical Map
ARMC005348	Claim map showing Mt. Skukum deposit		Property File Collection	Geoscience Map (General)
ARMC005197	Map and claims list - Wheaton River claims		Property File Collection	Geoscience Map (General)
ARMC005199	Notes Re: Skukum area		Property File Collection	Miscellaneous Company Documents
ARMC005200	News release - Wheaton River gold-silver discoveries		Property File Collection	News Release
ARMC005201	News releases - Mt. Skukum project		Property File Collection	News Release
ARMC005202	News release - Gold-silver exploration outlook 1985		Property File Collection	News Release
ARMC005205	Sketch map of Wonderland mineral claims		Property File Collection	Geoscience Map (General)
ARMC005206	Notes - Gold and silver properties		Property File Collection	Miscellaneous Company Documents
ARMC005207	Occurrence summary report - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC005208	Report - Mt. Skukum tertiary volcanic complex		Property File Collection	Report
ARMC005209	Notes - Mt. Skukum		Property File Collection	Miscellaneous Company Documents
ARMC005210	Notes - Elevation data		Property File Collection	Miscellaneous Company Documents
ARMC005211	Notes - Memoir 31 - Wheaton district		Property File Collection	Miscellaneous Company Documents
ARMC005212	Notes - Yukon mineral industry 1941-1959		Property File Collection	Miscellaneous Company Documents
ARMC005213	Notes - Yukon properties E&G 1982, 1981		Property File Collection	Miscellaneous Company Documents
ARMC005214	Notes - Wheaton River area properties		Property File Collection	Miscellaneous Company Documents
ARMC005215	Corporate Update - Tally-Ho Exploration Ltd.		Property File Collection	News Release
ARMC005216	Photo of Wheaton River		Property File Collection	Photos
ARMC005				

ARMC005217	Map of Wheaton River area - Skukum group		Property File Collection	Geoscience Map (General)
ARMC005189	Correspondence Re: Wheaton River Minerals Ltd. - Mount Skukum gold project		Property File Collection	Miscellaneous Company Documents
ARMC005191	Map of Wheaton and Skukum camp		Property File Collection	Geoscience Map (General)
ARMC005192	Summary report - Mt. Skukum complex		Property File Collection	Report
ARMC005193	Mining claims map - Gor		Property File Collection	Geoscience Map (General)
ARMC005194	Mylar overlay map - Wheaton River area		Property File Collection	Geoscience Map (General)
ARMC005195	Wheaton River area map and summary - Former producing district may be on threshold of new life		Property File Collection	News Release
ARMC009772	Long section map - Lake zone		Property File Collection	Geoscience Map (General)
ARMC009775	Orthophoto map - Mount Skukum		Property File Collection	Geoscience Map (General)
ARMC008800	Ore reserve study of the Mount Skukum deposit - Southern Yukon		Property File Collection	Report
ARMC008801	Maps - Skukum Creek property		Property File Collection	Geochemical Map
ARMC008802	Summary report on the Cirque Zone, drill indicated reserves of the Mt. Skukum Au-Ag project - Wheaton River area		Property File Collection	Report
ARMC008804	Cross section 4724N, which is rotated 14° out of plane of drilling and section 1+00S - Mt. Skukum - After Agip 4724N		Property File Collection	Geoscience Map (General)
ARMC008805	Report - Mt. Skukum Au-Ag project - Wheaton River area		Property File Collection	Report
ARMC008806	Notes - Mt. Skukum - Method x-sectional - Cut-off 7 ppm		Property File Collection	Miscellaneous Company Documents
ARMC008807	Correspondence Re: Dupont Exploration - Regional gold programme		Property File Collection	Miscellaneous Company Documents
ARMC008808	Drill hole/traverse log - 0+25S planimeter - drillhole/traverse - S83CH038 - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008809	Drill hole/traverse log - 0+50S planimeter - drillhole/traverse - S82CH010 - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008810	Drill hole/traverse log - 0+75S planimeter - drillhole/traverse - S83CH031 - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008811	Drill hole/traverse log - 1+00 planimeter - drillhole/traverse - S83CH054 - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008812	Drill hole/traverse log - 1+25 planimeter - drillhole/traverse - S83CH055 - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008813	Drill hole/traverse log - 1+50 planimeter - drillhole/traverse - S84CH072 - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008814	Drill hole/traverse log - 1+75 planimeter - drillhole/traverse - S83CH047 - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008815	Drill hole/traverse log - 2+00 planimeter - drillhole/traverse - S82CH022 - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008816	Drill hole/traverse log - 2+25 planimeter - drillhole/traverse - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008823	Zone location map - Mt. Skukum Au-Ag project - Main Cirque area		Property File Collection	Geoscience Map (General)
ARMC008824	Yukon Update news clipping - Skukum deposit unique		Property File Collection	News Release
ARMC008825	Notes - Epithithermal gold mineralization and alteration in eocene rocks at Mt. Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008826	Report - Epithermal gold veins of the Main Zone at Mt. Skukum		Property File Collection	News Release
ARMC008847	Correspondence Re: Omni Resources Ltd. - Skukum Creek property		Property File Collection	Miscellaneous Company Documents
ARMC008849	Simplified geology map - Skukum Creek property		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC008850	Claim map - Kir, Scar, Ern, Tex claims		Property File Collection	Geoscience Map (General)
ARMC008851	Claim map - Mt. Skukum deposit		Property File Collection	Geoscience Map (General)
ARMC008852	D.D. hole log - Indicated probable reserves - Skukum Creek property		Property File Collection	Drill Logs

ARMC008853	D.D. Hole log - Indicated possible reserves - Omni		Property File Collection	Drill Logs
ARMC008854	D.D. hole log - Indicated proven reserves - Omni property		Property File Collection	Drill Logs
ARMC008855	Summary form - Mineral reserves, no dilution - Skukum Creek property		Property File Collection	Miscellaneous Company Documents
ARMC008797	Assay certificates - Skukum		Property File Collection	Assays
ARMC008798	News - 1985 exploration update		Property File Collection	News Release
ARMC008799	Claim map - Mt. Skukum area		Property File Collection	Geoscience Map (General)
ARMC008922	Diamond drill log - Skukum Creek		Property File Collection	Drill Logs
ARMC020070	Annual report 1989 - Total Energold Corporation		Property File Collection	Report
ARMC020072	Annual report 1988 - Total Energold Corporation		Property File Collection	Report
ARMC020410	Excerpts - Minutes of the 15th meeting of gold mining working group, Place Vincent Massey, Hull, Quebec - Mt. Skukum hearing		Property File Collection	Miscellaneous Company Documents
89-026a	Mount Skukum Project - Total Energold Corp. / AGIP Canada Ltd. Joint Venture - 1988 Exploration		Yukon Government: Energy, Mines and Resources	YMEP Report
ARMC020405	Report and correspondence Re: Mt. Skukum gold mine - Inspection of tailings ponds		Property File Collection	Miscellaneous Company Documents

Resource/Reserve

Year	Zone	Type	Commodity	Grade	Tonnage	Amount	Reported Amount	43-101 Compliant	Cut-off
2012	Mt Skukum- Lake zone (Underground)	Inferred	gold	9.25 g/t	90,500	836683	Yes	Yes	3.0AuEq
Naas and Simpson, 2012, restated in Simpson, 2013.									
2012	Mt Skukum- Lake zone (Underground)	Inferred	silver	13 g/t	90,500	1175711	Yes	Yes	3.0g/t AuEq
Naas and Simpson, 2012, restated in Simpson, 2013.									
2003	SKUKUM - LAKE ZONE (UNDERGROUND)	Indicated	gold	13.4 g/t	109,200		No	Unknown	Unknown
Original estimate came from report "Review of Skukum Property" dated 1 Aug/2001.Reported prepared by C.O. Nass, P.Geo. Of CME Consulting Ltd.; Tagish Lake Gold Corp. 2003 Annual Information Form. Also so reported in Norther Miner, 8-14, 2001.									
1988	SKUKUM - BRANDY & LAKE ZONES (UNDERGROUND)	Historical Estimate	gold	13.7 g/t	36,000		No	No	Unknown
Estimate of reserves after mine closed. Reserves mostly in Lake Zone. Mining recoveries never matched reserve estimates. Figure is undefined.; Yukon Exploration 1988, p. 253. Also Northern Miner, 15 Aug/88.									
1987	SKUKUM - BRANDY & LAKE ZONES (UNDERGROUND)	Historical Estimate	gold	16.46 g/t	94,902		No	No	Unknown
Northern Miner reported reserves were proven and probable. These figures do not meet National Instrument 43-101 standards.; Northern Miner, 25 May/87. Also Yukon Exploration 1987, p. 17.									
1986	SKUKUM - MAIN CIRQUE ZONE (UNDERGROUND)	Historical Estimate	gold	25.03 g/t	146,901		No	No	Unknown
Mining production came entirely from Cirque zone, some references refer to it as "Main Zone". Reserve figure outlined by diamond drilling.; Yukon Exploration 1985-1986, p. 52. Also Northern Miner 2 Feb/87. (figures are slightly different depending on source). Reserves before mining started.									
1986	SKUKUM - MAIN CIRQUE ZONE (UNDERGROUND)	Historical Estimate	silver	20.58 g/t	146,901		No	No	Unknown
Mining production came entirely from Cirque zone, some references refer to it as "Main Zone". Reserve figure outlined by diamond drilling.; Yukon Exploration 1985-1986, p. 52. Also Northern Miner 2 Feb/87. (figures are slightly different depending on source). Reserves before mining started.									