Occurrence Details

Occurrence Number: 105K 009
Occurrence Name: Grew Creek
Occurrence Type: Hard-rock
Status: Deposit
Date printed: 8/5/2025 6:33:54 PM

General Information

Primary Commodities: gold, silver
Secondary Commodities: arsenic, mercury
Aliases: Main Zone
Deposit Type(s): Epithermal Au-Ag: Low Sulphidation
Location(s): 62°2'47" N - -132°51'15" W
NTS Mapsheet(s): 105K02
Location Comments: .5 Kilometres
Hand Samples Available: Yes
Last Reviewed:

Capsule

Work History

The original claims were staked as Grew cl 1-48 (94550) between Nov/65 and Feb/66 by General Enterprises Ltd and optioned to Gaylord Mines Ltd in 1967, which carried out magnetometer, EM and IP surveying later in the year. Three drill holes reportedly planned in 1968 were apparently never drilled. The nearby Carlin cl 1-32 (Y5762) were staked in May 66 by S. Young and examined briefly by Scope Mining and Exploration Consultants later that year.

A. Carlos, unaware of any previous staking became interested in the area following reports of Faro residents hand mining and recovering placer gold from Grew Creek. Prospecting the area, Carlos noted the presence of Tertiary volcanics and strong structural features furthering his interest. In May/83 Carlos discovered gold mineralization in outcrop and restaked the occurrence area within Canyon cl 1-40 (YA75717) in Jun/83. Carlos carried out geological mapping and geochemical sampling later in the year. The Canyon group was optioned late in 1983 by Mincan joint venture (Hudson Bay Exploration and Development Company Ltd and Minorco Canada Ltd), which staked more claims and carried out geological mapping, VLF-EM and magnetometer surveying and geochemical sampling in 1984 and 1985; trenching and drilled 13 holes (1,732 m) in 1984; drilled 19 percussion holes (1,660 m) in 1985; and geochemical sampling, EM and magnetometer surveying in 1986, before dropping the option.

The Ren cl 1-2 (YA75799), Tar cl 1-8 (YA75786), Hell cl 1-8 (YA75778) and Ern cl 1-8 (YA75749) were staked contiguously with the southern corner of the original Canyon claims in Jul/83 by Ezee Golds Ltd, which carried out trenching in 1983, 1984 and 1986. In 1987 Ezee Golds drilled one hole (51.3 m) for assessment on the Ern etc claims; carried out trenching, road work and additional drilling in 1989 and 1990; and trenching and road work in 1992. In Oct/93, Ezee Golds performed trenching on the Ern, Hell, Tar, and Ren, claims and on fractional Vac, JSC and TMP claims.

The Canyon claims were reoptioned in 1987 by a joint venture between Noranda Exploration Company Ltd, Golden Nevada Resources Inc and Brenda Mines Ltd, which carried out property wide geochemical sampling, ground magnetometer, airborne geophysical surveying and drilled 17 holes (2,972 m) 500 m west of Grew Creek on Canyon cl 3 and 4 (Main Zone) in 1987; geophysical surveying, geochemical sampling and drilled 30 core holes (13,156.5 m) in the Main Zone, 10 core holes (3,045 m) in the Tarn Zone (east of Grew Creek) and 12 rotary holes (1,448 m) between the two zones in 1988; and drilled 10 holes (1,165 m) in 1989. Golden Nevada Resources Inc changed its name to Goldnev Resources Inc in Jun/89 and excavated 18 backhoe trenches and 4 pits in 1991 before dropping its option later in the year.

Noranda Exploration Company Ltd tied on Can cl 1-168 (YB7880) to the northwest in Sep/87 and optioned them to Mintel International Development Corporation, which carried out geochemical sampling later in the year. Mintel staked the Ran cl 1-1 040 (YB08978) adjacent to and northwest of the Can claims in 1987. Mintel changed its name to Golden Trump Resources Ltd in Apr/89 and transferred the Ran claims to Prime Equities Inc in Nov/91. The Can claims were transferred to Prime Equities International Corporation in Dec/91. Both the Can and Ran claim groups were later transferred to A. Carlos in Apr/92.
In 1992, Wheaton River Minerals signed a letter of agreement to acquire the Grew Creek deposit but the terms of the option agreement were not fulfilled and the core claims reverted to Carlos. By the end of 1992, all of the Canyon and Grand claims previously optioned by other companies were also returned to Carlos.

In Feb/93 YGC Resources Ltd optioned the Grew Creek property (Minfile Occurrences 105K 008, 093, 113, this occurrence and 105F 047) and later in the year drilled 17 holes (1944 m) on the Canyon claims and carried out trenching on the Ran claims.
In Apr/94 YGC purchased the Ketza River property (Minfile Occurrence 105F 019) including a 400 metric tonnes per day mill from Wheaton Rivers Minerals Ltd. The sale was paid for with YGC shares and resulted in Wheaton River becoming controlling shareholder in YGC. YGC planned to truck Grew Creek ore to the Ketza River mill for processing, starting in 1995. Projected production was expected to be 30,000 oz (930,000 gm) Au per year for 3 years, with a 93% recovery. The plan never proceeded.
During the 1994 exploration season YGC drilled 14 holes (1,307 m) in the South and Main Zones. Nine holes were drilled in the South Zone to identify and sample the mineralization along the zone. The remaining 5 holes were drilled to fill in, test continuity and determine the upper level of bedrock mineralization at the eastern end of the Main Zone. In Oct/94 Carlos transferred the Grand, Ran, Can and Canyon claim groups to YGC.

In 1995 YGC drilled 14 diamond drill holes (1,530 m) on the Grew Creek property. Twelve of the holes were drilled to test various targets in and adjoining the Main Zone. One hole was drilled at the Main West Zone located 2 km to the west on Canyon cl 48 (YA81167). The remaining hole was drilled on Canyon cl 221 (YA81340) located approximately 16 km to the west (Minfile Occurrence 105K 113).

In the spring of 1996 YGC drilled 17 diamond drill holes (1560.7 m) to systematically drill test the continuity of the Main Zone mineralization on intermediate sections between 10+175E and 10+287.5E. Following completion of the program, the company carried out a compilation study which included surveying the location of all known drill holes and calculating an updated resources estimate for the Main Zone (non 43-101 compliant). At the end of 1996 YGC elected not to complete the final year of the option agreement and returned the various claim groups to Carlos.

Carlos staked Canon cl 1-6 (YC08793) in May/98 and Canon cl 7-14 (YC08939) in Jul/98, 2.5 km north of this occurrence location and contiguous with the existing Grew Creek claim block. Later that year Carlos carried out VLF-EM and magnetometer surveying, prospecting, soil sampling and trenching on the Canon claims.

In 2000 Carlos carried out an enzyme leach sampling program on a grid located between this occurrence location and the Robert Campbell Highway (located to the north). In 2001 and 2002 Carlos drilled 4 holes (191.1 m) and 6 holes (416.7 m), respectively, to test one of the anomalies (E) which is located immediately east of the occurrence location. Carlos also collected additional enzyme leach samples to increase his sampling density. In 2003 Carlos collared 3 diamond drill holes (150.9 m) on anomaly E and 4 diamond drill holes on the Maverick

prospect's anomaly B (Minfile Occurrence 105K 093) located approximately 10 km to the northwest. In 2004, before Carlos optioned the Grew Creek property, Carlos drilled 5 additional diamond drill holes (219.80 m) on anomaly B.

In Jul/2004 Carlos optioned the entire Grew Creek property to Freegold Ventures Ltd which drilled 12 diamond drill holes (633.4 m) on the Main zone. In 2005 Freegold Ventures carried out IP surveys on the Maverick prospect (Minfile Occurrence 105K 093), the Main zone, and the Rat Creek and Tarn zones (they adjoin the Main zone on the southeast side). The company followed up by drilling 6 diamond drill holes (960 m) on the Tarn and Rat Creek zones; 5 holes targeted the Tarn zone and 1 hole targeted the Rat Creek zone. Two of the Tarn zone drill holes were collared in overburden. The diamond drilling was conducted in two parts; mid to late March and November to mid-December.

In 2006 the company drilled 5 diamond drill holes (798 m) on the Tarn zone to test various IP chargeability targets. In the third quarter of 2007 Freegold Ventures dropped its option and returned the Grew Creek property to Carlos.
In Jan/2008 Carlos optioned the Grew Creek property to Emerick Resources Corporation which completed a compilation report in May/2008. Carlos carried out additional enzyme leach sampling in 2008.

In 2009, Emerick completed nine diamond drillholes (1,592.3 m) on the Grew Creek property. The holes tested Enzyme Leach soil anomalies located at various zones. Two holes (381.0 m) tested the Rat Creek target area located south and east of the main zone. The remaining seven diamond drill holes tested the Maverick (Minfile Occurrence 105K 093) and KM 410 (Minfile Occurrence 105K 113) zones.

Capsule Geology

The Grew Creek epithermal gold deposit is hosted by Eocene Ross Assemblage volcanic and sedimentary rocks deposited in a pull-apart basin within the Tintina Fault zone. The gold occurs in stockwork quartz veins and hydrothermal breccias cutting hydrothermally altered rhyolite. In Dec/89 Goldnev Resources Ltd reported that the Main Zone contained drill indicated reserves of 773,020 tonnes grading 8.92 g/t gold and 33.6 g/t silver. Within this deposit Goldnev identified a high grade core containing a drill indicated reserve of 184,950 tonnes grading 12.14 g/t gold. Metallurgical testing by Noranda in 1988 indicated that recoveries of 92-94% are possible using simple cyanide processing.

In the Main Zone, rhyolitic tuffs are juxtaposed against a cyclic sequence of Carboniferous and Permian aged fluvial sediments along the northwest-southeast trending Grew Creek fault. The faulted contact is partly intruded by a quartz-feldspar porphyry dike. The pyroclastic rocks, dike, fault and sediments all dip steeply to the north. The volcanic rocks are hydrothermally altered to illite-quartz and illite-quartz-adularia assemblages, with an outer propylitic halo.

Mineralization consists of pyrite, marcasite, arsenopyrite, chalcopyrite, argentite, electrum, silver selenides, galena and sphalerite. Fluorite is also present in the Tarn zone, 2 km southeast of the Main zone. Gangue minerals include quartz, adularia, carbonates, and quartz pseudomorphs after calcite. In the main zone, gold and silver occur as micron-size grains in chalcedony stringer stockworks and adjacent silicified tuffs. There is a good correlation between gold and silver assays, with a gold: silver ratio of about 1:4 for ore-grade mineralization, which occurs in an elongated zone trending west-northwest. The mineralization is strongly anomalous in arsenic and mercury, but mercury shows only a weak correlation with gold and silver. Most high mercury values lie along the fault, above the gold-silver zone.

Initial drilling on the Main Zone returned a best intersection of 11.7 g/t gold and 150.9 g/t silver across 31.4 m, while the best section exposed in a trench assayed 3.6 g/t gold and 15.3 g/t silver across 13 m. The 1989 drilling focused on the Main Zone, with the best intersection returning 10.5 g/t gold over 13 m.

The Tarn Zone, located 2 km to the east, consists of quartz-fluorite-chalcedony stockworks and localized silicification within a 900 x 100 m zone of sericitized rhyolite dikes and tuff. The best assays were 150 ppb gold across 2.0 m in a trench and 520 ppb gold over 1.5 m in a drill hole.

Prospecting in the area is difficult due to a thick cover of glacial till. Plouffe (1989) showed that gold is concentrated in the silt and clay size fraction down-ice from the Grew Creek deposit, but the common pathfinder elements silver, antimony, arsenic and mercury show little correlation with the gold distribution.

On the Ern claims, Ezee's 1987 drill hole cut silicified, argillized crystal-lithic felsic tuff stained with limonite, but returned only trace gold.

YGC's 1993 diamond drilling intersected strongly altered volcanic rocks beneath a zone of hydrothermal alteration exposed in a surface trench. The 1994 drilling showed that mineralization in the South Zone consists of an extensive quartz-adularia stringer stockwork of low grade gold-silver values. The best intersections were 2.33 g/t gold and 4.1 g/t silver over 10.4 m. The South Zone mineralization appears to be connected with the Main Zone mineralization, but further drilling in between the two zones needs to be carried out to confirm this theory. The drilling in the Main Zone confirmed earlier reported grades. The best intersection was 1.69 g/t gold and 3.0 g/t silver over 24 m. In Oct/94 YGC calculated an open pit mineable reserve for the Main zone of 173,000 tonnes grading 12 g/t gold and 32.3 g/t silver.

The best results recorded in 1995 were returned from the Main Zone, where hole #181 intersected ore grade gold-silver bearing quartz-adularia vein stockwork mineralization. The hole drilled near the eastern end of the zone returned 15.0 m assaying 7.63 g/t gold and 8.6 g/t silver. Other holes drilled on the Rat Creek Grid, Knoll Zone and in the contact area of a pyroclastic tuff and rhyolite flow dome located immediately east of Rat Creek returned anomalous gold values up to 633 ppb gold.

Twelve of the 1996 drill holes intersected significant gold mineralization in the Main Zone. The best result was recorded in hole GC-94-196 which returned 28.55 g/t gold over 17.0 m including 4.5 m grading 41.3 g/t and 6.59 m grading 41.95 g/t. The hole intersected thick banded quartz vein mineralization at the 795 m elevation which YGC believed represented a central core or feeder zone of the Main Zone deposit. The mineralization occurs within the phyllic alteration zone and is directly related to strong quartz-adularia alteration.

At the end of the 1996 drilling program YGC completed an updated resource estimate for the Main Zone. Employing a 1 g/t gold cutoff grade, a block model estimation calculated a total resource of 527,360 tonnes grading 5.27 g/t gold to the 710 m level. Within this total resource the company estimated an open pit resource of 382,000 tonnes grading 5.08 g/t gold above the 750 m elevation (YGC Resources, 1997, AR 093627). This resource estimate is not 43-101 compliant and later reports from the same author do not refer to it.

Samples from the 2000 sampling program were analyzed using Enzyme Leach technology, revealing several anomalous zones just south of and parallel to the Danger Creek Fault and although no report of this work was ever filed for assessment purposes geochemical anomaly maps produced from this sampling accompanied subsequent reports on the 2001 and 2002 drill programs. Drilling intersected altered and brecciated quartz feldspar porphyry, mixed sedimentary and volcanic lithologies and basalt. Samples of core from both years were submitted for analysis and generally returned values for gold below the detection limit of the analytical techniques employed, the highest reported value was 109 ppb gold over 0.6 m from sericitically altered quartz feldspar porphyry near the bottom of Hole #CGGC-8.

The 2003 and 2004 drilling of the Maverick enzyme leach anomaly B intersected mafic volcanic complex rocks but did not detect any significant gold values. The 2004 drilling program completed by Freegold Ventures indicated that the dominant vein trend is north. The 2005 report on the 2004 drilling lists the 1998 historical Orcan Minerals resource estimate (not NI 43-101 compliant), the same resource is listed in a Freegold Ventures news release (July 14 2004).

Four diamond drill holes were collared on the Tarn zone in mid Mar/2005 before the IP survey was undertaken. The holes intersected intense phyllitic alteration associated with anomalous values in gold, silver, mercury and arsenic. The holes also intersected local fine quartz-adularia zones up to 40 m in length that yielded anomalous values up to 0.174 g/t gold and 2.3 g/t silver (news release 10 May/2005). The second phase of drilling collared 1 diamond drill hole on the Tarn zone and 1 hole on the Rat Creek zone. Two other holes were abandoned in overburden.

The 2006 diamond drill holes were completed between January and early Mar/2006 and were an extension of the second phase of the 2005 drill program. The 2006 drill holes targeted IP anomalies on the Tarn zone. The single hole collared on the Tarn zone in late 2005 and the five 2006 drill holes all intersected favorable alteration and displayed evidence of hydrothermal activity similar to that found at the Main zone but did not intersect any economic intervals.

A 2008 technical report summarizes the work to date on the property (Emerick Resources, 2008, by Stroshein), and lists resource estimates from 1988, 1992, 1993 and 1996. The

resource estimated in the 2007 YGC report (by Stroshein) is not mentioned in the 2008 Emerick report (by Stroshein). It states that a resource was calculated in 2005 but.this information hasn't yet been located.

No 43-101 compliant resource estimate has been released to date (Jan 2014).

Work History

Date	Work Type	Comment
5/1/2011	Drilling	NI-43-101 technical report
12/31/2009	Drilling	Nine holes,1,600 m.
12/31/2008	Pre-existing Data	Completed by Emerick Resources.
12/31/2006	Drilling	Five holes, 798 m.
12/31/2005	Drilling	6 holes; 960 m
12/31/2005	Ground Geophysics	On Main Tarn and Rat Creek zones.
12/31/2004	Drilling	Seventeen holes, 853.2 m.
12/31/2003	Drilling	Three holes, 159.9 m.
12/31/2002	Drilling	Six holes, 416.7 m.
12/31/2001	Drilling	Four holes, 191.1 m.
12/31/2000	Geochemistry	Enzyme Leach.
12/31/1996	Studies	NON 43-101-compliant
12/31/1996	Drilling	Seventeen holes, 1,560.7 m.
12/31/1995	Drilling	Fourteen holes, 1,530 m.
12/31/1994	Drilling	Fourteen holes, 1,307 m.
12/31/1993	Drilling	Seventeen holes, 1,944 m.
12/31/1992	Trenching	Performed in the 410 zone area.
12/31/1991	Trenching	
12/31/1989	Drilling	Ten holes, 1,165 m.
12/31/1989	Development, Surface	
12/31/1989	Trenching	
12/31/1988	Drilling	Forty-five holes, 14,360 m.
12/31/1988	Ground Geophysics	Also IP survey.
12/31/1987	Drilling	One hole, 57.3 m.
12/31/1987	Geochemistry	
12/31/1987	Airborne Geophysics	Also VLF and magnetic surveys.
12/31/1986	Geochemistry	
12/31/1986	Ground Geophysics	Also EM survey.
12/31/1986	Trenching	
12/31/1985	Drilling	Nineteen holes; 1,660 m.
12/31/1985	Geology	
12/31/1985	Geochemistry	
12/31/1985	Ground Geophysics	Also EM survey.
12/31/1984	Drilling	Thirteen holes,1,732 m.
12/31/1984	Geology	
12/31/1984	Geochemistry	
12/31/1984	Ground Geophysics	Also VLF-EM survey.
12/31/1984	Trenching	
12/31/1983	Geology	
12/31/1983	Other	
12/31/1983	Trenching	

12/31/1967	Ground Geophysics	Also Magnetic and IP surveys.
12/13/1983	Geochemistry	
1/1/2010	Drilling	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095828	2011	Assessment Report, 2011 Exploration Program	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Orthophoto - Airphotography, Diamond - Drilling, Rotary - Drilling, Detailed Bedrock Mapping - Geology, Downhole Survey - Ground Geophysics, IP - Ground Geophysics, Resistivity - Ground Geophysics, Prospecting - Other	70	19107
095232	2009	2009 Diamond Drilling Report on the Canyon Gold Grew Creek Project	Diamond - Drilling	3	1592.30
094694	2005	Assessment Report of Diamond Drilling and IP Surveys on the Canyon 12, Canyo 65-66, Maverick 2-4 and Maverick 6	Diamond - Drilling, IP - Ground Geophysics	8	1020.40
093416	1995	1995 Diamond Drilling Report on the Grew Creek Gold Project	Diamond - Drilling	14	1530
093154	1993	1993 Diamond Drilling Report on the Carlos Gold Project	Diamond - Drilling, Drill Core - Geochemistry	17	1960
062293	1988	Report on the Grew Creek Property	Research/Summarize - Pre-existing Data		
092634	1988	Report on1988 Exploration Activities on the Canyon and Grand Claims	Diamond - Drilling, Rotary - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, EM - Ground Geophysics, Magnetics - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies	52	17649.50
092106	1987	Geochemical & Geophysical Report on the Canyon 7-16, Canyon 33-36	Soil - Geochemistry, Magnetics - Ground Geophysics		
092002	1987	Geochemical & Geophysical Report on the Grew Creek Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Soil - Geochemistry		
091543	1984	Geophysical Report of Ground Magnetic and Electromagnetic Surveys on the Canyon Claim Group	Diamond - Drilling, Drill Core - Geochemistry, EM - Ground Geophysics, Magnetics - Ground Geophysics, Backhoe - Trenching, Handblast - Trenching	2	200.20
091587	1984	Exploration Report of Geological, Geochemical and Geophysical Surveys on the Canyon Claim Group	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies		
017738	1967	A Report on a Ground Magnetic and Electromagnetic Survey	EM - Ground Geophysics, Magnetics - Ground Geophysics		
092062	1966	Geological Map of Faro area	Regional Bedrock Mapping - Geology		

Related References

Number	Title	Page(s)	Reference Type	Document Type
1992GeolVol3_14	Grew Creek epithermal gold-silver deposit, Tintina Trench, Yukon, 105 K/2		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report Paper
YEG1984	Yukon Exploration 1984	109-111	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG1985_86	Yukon Exploration 1985-86	251-252	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG1987	Yukon Exploration 1987	182-183	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG1988_89	Yukon Exploration 1988	110-113	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG1983	Yukon Exploration and Geology 1983	193	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG1993	Yukon Exploration and Geology 1993	7,8	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG1996	Yukon Exploration and Geology 1996	28,30,32	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG1995	Yukon Exploration and Geology 1995	16,18	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG1994	Yukon Exploration and Geology 1994	5,10,12	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG2000	Yukon Exploration and Geology 2000	22,25	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG2004	Yukon Exploration and Geology 2004	14, 30, 33	Yukon Geological Survey	Annual Report
YEG2002	Yukon Exploration and Geology 2002	12-13,24, 26	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report

YEG2001	Yukon Exploration and Geology 2001	18-19, 24, 25	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG2003	Yukon Exploration and Geology 2003	24-25	Yukon Geological Survey	Annual Report
YEG2005	Yukon Exploration and Geology 2005	33, 38, 40	Yukon Geological Survey	Annual Report
1988GeolVol2_09	Bimodal Volcanism Along the Tintina Trench, Near Faro and Ross River		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report Paper
ARMC016722	Geochemical sample location map - 105K/2 - Swim Lakes		Property File Collection	Geochemical Map
ARMC016723	Geology map - 105K/2 - Swim Lakes		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC016724	Geology map - 105K/2 - Swim Lakes		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC016719	Geology map - 105K/2 - Swim Lakes - Data from Al Sangster 1966, Reg Davis 1964, and Tintina OEX 1969		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC018788	Field map - Pelly River area - 105K/2		Property File Collection	Geoscience Map (General)
ARMC016721	Geochemical map - 105K/2 - Swim Lakes		Property File Collection	Geochemical Map
ARMC016720	Geochemical map - 105K/2 - Swim Lakes		Property File Collection	Geochemical Map

Resource/Reserve

Year	Zone	Type	Commodity	Grade	Tonnage	Amount	Reported Amount	43-101 Compliant	Cut-off
1997	GREW CREEK - resource estimate (Open Pit)	Historical Estimate	gold	5.27 g/t	527,360		No	No	1g/t Au
Updated block model calculation, above the 710 m elevation. Historical resource, not 43-101 compliant. Stroshein, 1997, Assessment Report #093627, p. 20. This resource not quoted in 2008 Emerick summary technical report.									
1997	GREW CREEK - OPEN PIT RESERVES (OPEN PIT)	Historical Estimate	gold	5.08 g/t	382,000		No	No	1.0g/t Au
Updated block model calculation, 'open pit mineable reserve' above the 750m level. Historical Resource, not NI 43-101 compliant. Assessment Report # 093627 by R.W. Stroshein, for YGC Resources Ltd. R. This resource not quoted in 2008 Emerick summary technical report.									
1996	In situ (open pit)	Historical Estimate	gold	1.7 g/t	350,000		No	No	1g/t au
Memo by SRK for YGC, experimental krigging, using a 1g/t Au ore shell. Historical resource estimate, not NI 43-101 compliant. Quoted from Emerick Summary Technical Report, 2008, by R. Stroshein.									
1994	GREW CREEK - OPEN PIT RESERVES (OPEN PIT)	Historical Estimate	gold	12 g/t	1,730,000		No	No	Unknown
Company defined figures as open pit mineable reserves, using minimum 2 m mining width and 5.0 g/t gold cutoff grade. No supporting data was publicly published. Probably does not meet National Instrument 43-101 standards.; Unpublished feasibility report by R.D. Bergen for YGC Resources, quoted in Assessment Report # 093416, p. 9.									
1994	GREW CREEK - OPEN PIT RESERVES (OPEN PIT)	Historical Estimate	silver	32.3 g/t	1,730,000		No	No	Unknown
Company defined figures as open pit mineable reserves, using minimum 2 m mining width and 5.0 g/t gold cutoff grade. No supporting data was publicly published. Probably does not meet National Instrument 43-101 standards.; Unpublished feasibility report by R.D. Bergen for YGC Resources, quoted in Assessment Report # 093416, p. 9.									
1992	GREW CREEK - HIGH GRADE CORE RESERVES (UNDERGROUND)	Historical Estimate	gold	13.4 g/t	160,520		No	No	Unknown
Company defined figures as resource. Assumes underground mining, 0.6 m minimum mining thickness and cut-off grade of 5 g/t gold equivalent. May not meet National Instrument 43-101 standards.; Mining Resources of the Grew Creek Deposit by C. R. Sanders and D.R. Budinski. Orcan Mineral Associates Ltd. (in EMR Library, Whitehorse).									
1992	GREW CREEK - HIGH GRADE CORE RESERVES (UNDERGROUND)	Historical Estimate	gold	14.94 g/t	99,874		No	No	Unknown
Company defined figures as resource. Assumes underground mining, 0.6 m minimum mining thickness and cut-off grade of 5 g/t gold equivalent. May not meet National Instrument 43-101 standards.; Mining Resources of the Grew Creek Deposit by C. R. Sanders and D.R. Budinski. Orcan Mineral Associates Ltd. (in EMR Library, Whitehorse).									
1992	GREW CREEK - HIGH GRADE CORE RESERVES (UNDERGROUND)	Historical Estimate	silver	32.3 g/t	160,520		No	No	Unknown
Company defined figures as resource. Assumes underground mining, 0.6 m minimum mining thickness and cut-off grade of 5 g/t gold equivalent. May not meet National Instrument 43-101 standards.; Mining Resources of the Grew Creek Deposit by C. R. Sanders and D.R. Budinski. Orcan Mineral Associates Ltd. (in EMR Library, Whitehorse).									
1992	GREW CREEK - HIGH GRADE CORE RESERVES (UNDERGROUND)	Historical Estimate	silver	47.7 g/t	99,874		No	No	Unknown
Company defined figures as resource. Assumes underground mining, 0.6 m minimum mining thickness and cut-off grade of 5 g/t gold equivalent. May not meet National Instrument 43-101 standards.; Mining Resources of the Grew Creek Deposit by C. R. Sanders and D.R. Budinski. Orcan Mineral Associates Ltd. (in EMR Library, Whitehorse).									
1989	GREW CREEK - HIGH GRADE CORE RESERVES (UNDERGROUND)	Historical Estimate	gold	12.14 g/t	184,950		No	No	Unknown
Company defined figure as geological reserve. Later reports defined it as resource. Using 2.0 g/t gold cut-off grade. Does not meet National Instrument 43-101. Located in Main zone.; George Cross Newsletter, 7 Dec/89, p. 1. Also 1989 Yukon Mining & Exploration Overview, p. 8.									
1989	GREW CREEK - TOTAL RESERVES (OPEN PIT & UNDERGROUND)	Historical Estimate	gold	8.92 g/t	773,012		No	No	Unknown
Company defined figure as geological reserve. Later reports defined it as resource. Using 2.0 g/t gold cut-off grade. Does not meet National Instrument 43-101. Located in Main zone.; George Cross Newsletter, 7 Dec/89, p. 1. Also 1989 Yukon Mining & Exploration Overview, p. 8.									
1989	GREW CREEK - TOTAL RESERVES (OPEN PIT & UNDERGROUND)	Historical Estimate	silver	33.6 g/t	773,012		No	No	Unknown
Company defined figure as geological reserve. Later reports defined it as resource. Using 2.0 g/t gold cut-off grade. Does not meet National Instrument 43-101. Located in Main zone.; George Cross Newsletter, 7 Dec/89, p. 1. Also 1989 Yukon Mining & Exploration Overview, p. 8.									

Drill core at YGS core library

Number	Property	Year Drilled	Core Size	Photos	Data
GC-11-276	Grew Creek	2011		0	1
GC-11-281	Grew Creek	2011		0	1
GC-04-235	Grew Creek	2004	NTW	16	0
GC-04-236	Grew Creek	2004	NTW	22	0
CGGC-10	Grew Creek	2002	BQ	4	2
CGGC-5	Grew Creek	2002	BQ	14	2
CGGC-8	Grew Creek	2002	BQ	4	1
CGGC-9	Grew Creek	2002	BQ	10	2
CGGC-1	Grew Creek	2001	BQ	4	3
GC-94-156	Grew Creek	1994	NQ	8	2
GC-94-157	Grew Creek	1994	NQ	10	2
GC-94-158	Grew Creek	1994	NQ	8	2
GC-94-159	Grew Creek	1994	NQ	10	2
GC-94-160	Grew Creek	1994	HQ	12	2
GC-94-161	Grew Creek	1994	NQ	10	2
GC-94-164	Grew Creek	1994	NQ	10	2
GC-94-165	Grew Creek	1994	NQ	8	2
GC-94-166	Grew Creek	1994	NQ	8	2
GC-94-167	Grew Creek	1994	NQ	10	2
GC-94-168	Grew Creek	1994	NQ	8	2
GC-94-169	Grew Creek	1994	NQ	8	2
CAN-1	Grew Creek	1984	HQ	0	3
CAN-10	Grew Creek	1984	HQ	0	0
CAN-10W	Grew Creek	1984	HQ	0	0
CAN-2	Grew Creek	1984	HQ	0	2
CAN-3	Grew Creek	1984	HQ	0	0
CAN-4	Grew Creek	1984	HQ	0	0
CAN-5	Grew Creek	1984	HQ	0	0
CAN-6	Grew Creek	1984	HQ	0	0
CAN-7	Grew Creek	1984	HQ	0	0
CAN-8	Grew Creek	1984	HQ	0	0