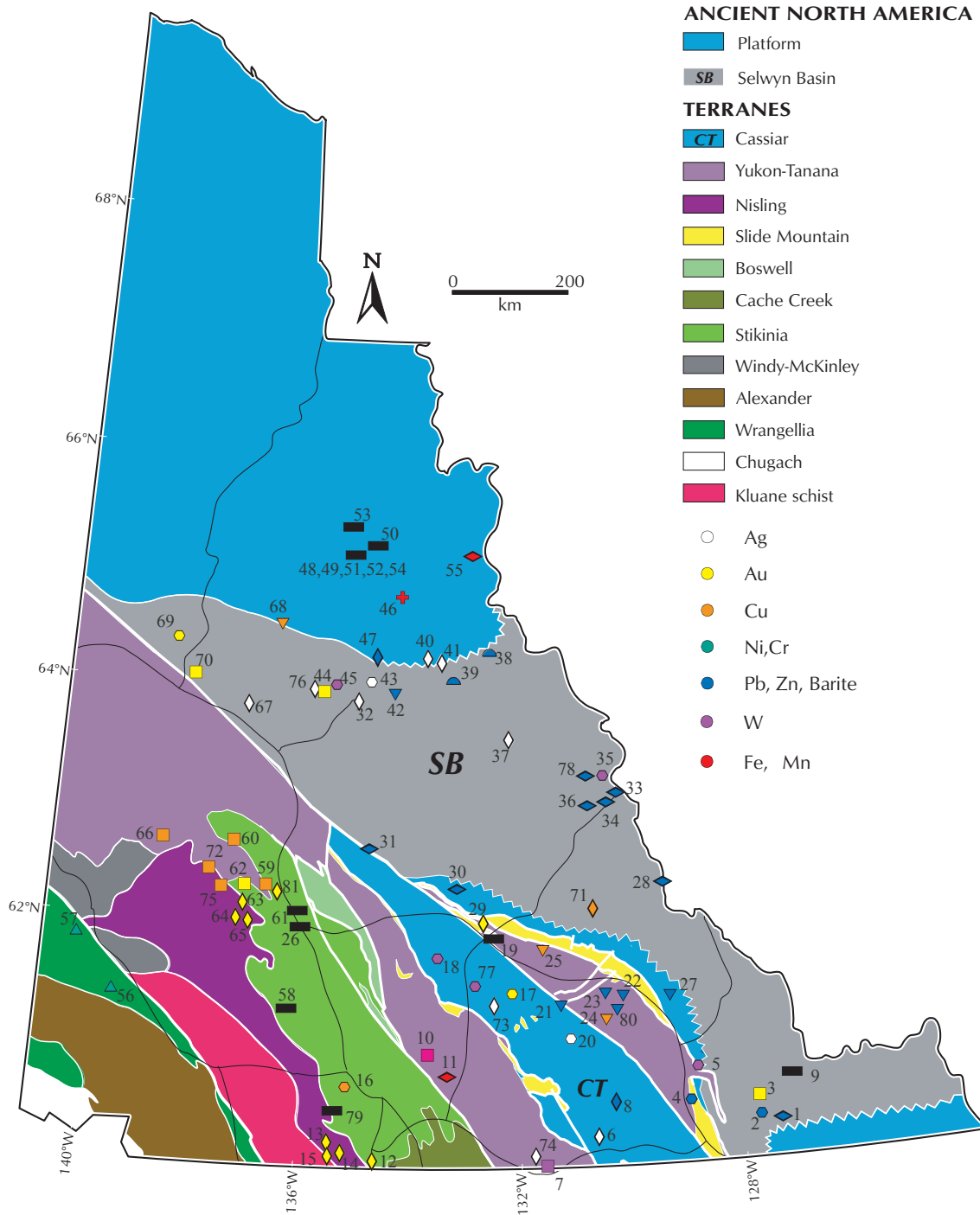




# YUKON

MINERAL DEPOSITS  
2004

# YUKON MINERAL DEPOSITS 2004 – Map



## YUKON MINERAL DEPOSITS 2004 – Legend

### YUKON DEPOSITS BY DEPOSIT CLASS



#### VEIN/BRECCIA ASSOCIATED

- 6. Hart
- 8. Logan
- 12. Venus
- 13. Skukum
- 14. Goddell
- 15. Mt. Reid
- 29. Grew Creek
- 32. United Keno Hill
- 37. Plata/Inca
- 40. Vera
- 41. Val
- 47. Blende
- 63. Laforma
- 64. Mount Nansen
- 65. Brown-McDade
- 67. Zeta
- 71. Pike
- 73. Groundhog
- 74. Logjam
- 76. Peso
- 81. Tinta



#### SKARN/REPLACEMENT ASSOCIATED

- 2. McMillan
- 4. Sa Dena Hes
- 5. Bailey
- 16. Whitehorse Copper
- 17. Ketzá
- 18. Risby
- 20. Tintina
- 35. Mactung
- 43. Clark
- 45. Ray Gulch
- 69. Marn
- 77. Stormy



#### PORPHYRY/SHEETED VEIN ASSOCIATED

- 3. Hyland Gold
- 7. Logtung
- 10. Red Mountain
- 44. Dublin Gulch
- 59. Williams Creek
- 60. Minto/Def
- 62. Antoniuk
- 66. Casino
- 70. Brewery Creek
- 72. Cash
- 75. Nucleus



#### MISSISSIPPI VALLEY TYPE

- 38. Goz
- 39. Craig



#### SEDIMENT ASSOCIATED

- 1. Mel
- 11. Marlin
- 28. Howard's Pass
- 30. Faro, Grum, Vangorda, Grizzly, Swim
- 31. Clear Lake
- 33. Tom
- 34. Jason
- 36. Samovar
- 55. Crest
- 78. Walt



#### VOLCANIC ASSOCIATED

- 21. Wolf
- 22. Wolverine
- 23. Kudz Ze Kayah
- 24. Fyre
- 25. Ice
- 27. Matt Berry
- 42. Marg
- 68. Hart River
- 80. GP4F



#### MAFIC to ULTRAMAFIC ASSOCIATED

- 56. Wellgreen
- 57. Canalask



#### WERNECKE BRECCIA

- 46. Pagisteel



#### INDUSTRIAL MINERALS

- 9. Sulpetro
- 19. Whiskey Lake
- 26. South Tantalus
- 48. Marathon
- 49. Pole
- 50. Garlic Ring
- 51. Illtyd
- 52. Pan Ocean
- 53. Deslaurier
- 54. Spaceship
- 58. Division
- 61. Tantalus
- 79. Whitehorse Coal



# **YUKON MINERAL DEPOSITS 2004**

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Cover photos

*Top:* Silver-lead-zinc-copper breccia from the Blende property, Nash Creek area.

*Middle:* Zinc-lead sedimentary-exhalative deposit at Howard's Pass, Nahanni area.

*Bottom:* Gold-bearing quartz-arsenopyrite vein from the Venus mine, Whitehorse area.

Inside cover

Map by M. Colpron, modified after Wheeler and McFeely (1991).

## INTRODUCTION

The following tables have been compiled from information derived from the Yukon MINFILE 2004 – A database of mineral occurrences (Deklerk and Traynor, 2004). Reserve and resource figures presented are not calculated by Yukon MINFILE personnel, but are quoted from referenced industry sources, publications, assessment and/or technical reports, etc. (see next page). Differences in mineral deposit categories exist in the referenced sources, and Yukon MINFILE personnel have, in some cases, interpreted the category to which a figure belongs. The reader is encouraged to refer to the original data for detailed information.

During the compilation of this data, previous or historical estimates of tonnage and grade, not meeting the minimum requirement for mineral resources and reserves as defined by National Instrument 43-101 and CIM standards (referenced below), were encountered. In order not to misrepresent these historic or 'order-of-magnitude' figures as estimates of mineral resources or mineral reserves, those figures which have recently been independently verified or recalculated by a qualified person and meet the minimum requirements of National Instrument 43-101 are indicated by an asterisk(\*).

Effort has been made to ensure the contents of this publication are as accurate as possible. Please let us know of any errors or omissions by directing your comments and/or corrections to Steve Traynor at (867) 456-3828 or [steve.traynor@gov.yk.ca](mailto:steve.traynor@gov.yk.ca).

## SUMMARY OF CONTENTS

This report includes:

- a colour map and legend of 81 mineral deposits with reserves/resources; and
- a table organized by deposit groups and types. The tables are comprised of information gathered from a variety of sources including Yukon MINFILE, company press releases and websites, Yukon Geological Survey publications, and other historical sources of information.

Each table contains the following information:

- name of deposit;
- corresponding number on Yukon mineral deposits map;
- Yukon MINFILE reference number;
- other names by which the deposit is known;
- owner and optioner (if applicable);
- NTS map sheet;
- latitude and longitude;
- UTM coordinates;
- location;
- mineralized zone;
- reference;
- reserves/resources;
- grade/commodity; and
- status.

## REFERENCED INFORMATION

- Annual, Technical and/or other reports, are available on internet from the various company's websites and/or from SEDAR (System for Electronic Document Analysis and Retrieval) at [www.sedar.com](http://www.sedar.com).
- Yukon Mineral Assessment (YMA) reports may be used in-house or borrowed upon deposit from the Yukon Energy, Mines and Resources Library, 335-300 Main Street, Whitehorse, Yukon. Additional information regarding this collection may be obtained by contacting Brenda Butler or Aimee Ellis at (867) 667-3111 or [emrlibrary@gov.yk.ca](mailto:emrlibrary@gov.yk.ca).
- Canadian Institute of Mining and Metallurgy and Petroleum (CIM), 2000. CIM Standards on Mineral Resources and Reserves – Definitions and Guidelines. CIM Standing Committee on Reserve Definitions.
- Canadian Securities Administrators, 2001. National Instrument 43-101: Standards of Disclosure for Mineral Projects (Amended NI 43-1-1 or NI 43-101).
- Deklerk, R. and Traynor, S. (compilers), 2004. Yukon MINFILE – A database of mineral occurrences. Yukon Geological Survey, CD-ROM. Yukon MINFILE is also available on the Yukon Geological Survey website at [www.geology.gov.yk.ca](http://www.geology.gov.yk.ca).
- Special Committee of the Canadian Institute of Mining and Metallurgy and Petroleum on Valuation of Mineral Properties (CIMVAL), 2003. Standards and Guidelines for Valuation of Mineral Properties. CIM, 33 p.
- Wheeler, J.O. and McFeeley, P., 1991. Tectonic Assemblage Map of the Canadian Cordillera. Geological Survey of Canada, Map 1712A.

## Abbreviations

CEAA	Canadian Environmental Assessment Act
CIM	Canadian Institute of Mining and Metallurgy
COG	Cut-off grade
CV	caloric value
EMR	Energy, Mines and Resources, Yukon government
Eq	equivalent
RERC	Regional Environmental Review Committee

# Table of mineral deposits, Yukon

Deposit type	Deposit [no. on map] (Other names) MINFILE no. Owner/optioned to	Location NTS Map Sheet/ Latitude/Longitude(NAD 83) UTM Zone/Northing/Easting	Mineralized zone(s) Year resource- reserve was calculated/ Reference	Tonnage Mineral resource- reserve Category†	Grade /commodity	Status
Vein/breccia associated  Polymetallic veins Ag-Pb-Zn+/-Au	<b>Hart</b> [6] 105B 021 Wally Hyde	105B/7 60°19'45" N/130°44'41" W 09 6689345 N/403659 E 111 km ENE of Teslin	<b>Total</b> 1987 Yukon Mining and Exploration Overview	97 370 t Historical calculation	1025.1 g/t Ag	<i>Deposit, inactive.</i> 1948: discovery. 1985-86: road construction, underground development. 1988: feasibility study. Extensive trenching and over 4400 m of drilling completed to date.
	<b>Logan</b> [8] 105B 099 Expatriate Resources Limited (60%) and Almaden Minerals Limited (40%)	105B/9 60°30'05" N/130°28'12" W 09 6708153 N/419255 E 109 km WNW of Watson Lake	<b>Main zone</b> Report by Hatch Associates Ltd, March/2004	13.08 Mt Inferred*	5.1% Zn 23.7 g/t Ag	<i>Deposit, inactive.</i> 1979: discovery. 1987: construction of air strip. Total of over 16 400 m of drilling. 2000: prefeasibility study. 2003: engineering studies.
	<b>Venus</b> [12] 105D 005 Ron Berdahl	105D/2 60°01'30" N/134°38'05" W 08 6654251 N/520358 E 17 km S of Carmacks	<b>Total</b> 1985 Canadian Mines Handbook 1986- 1987	61 689 t Historical calculation	305.14 g/t Ag 2.5% Pb 1.5% Zn 10.98 g/t Au	<i>Underground past producer, inactive.</i> 1901: discovery. 1905: underground development, constructed tramway and mill. 1912-20: limited production. 1966-70: underground development, road construction, limited production. 1979-84: underground development, mill construction. 1994: feasibility study on remediation of mine tailings.
	<b>United Keno Hill</b> [32] 105M 001 Under government care and maintenance	105M/14 63°54'35" N/135°18'01" W 08 7086988 N/485265 E Elsa (39 km NNE of Mayo)	<b>Total</b> 1996 United Keno Hill Mines Limited Annual Report	856 382 t Not defined	1026 g/t Ag 4.8% Pb 3.9% Zn	<i>Underground past producer, mill, care and maintenance.</i> 1903: discovery. 1921-1988: 4.8 Mt milled which produced 6.9 million g Ag, 322 million kg Pb and 198 million kg Zn. 1989: operations suspended. 1995: de-watering, rehabilitation, underground drilling and ore delineation.
	<b>Plata</b> [37] 105N 003 Big Blackfoot Resources Limited	105N/9 63°35'09" N/132°01'55" W 08 7054281 N/647279 E 191 km E of Mayo	<b>Plata – 4 vein</b> 1996 Canadian Mines Handbook 2002-03, p. 63	453 592 t Historical calculation	376.71 g/t Ag 10% Pb+Zn 3.77 g/t Au	<i>Open-pit, past producer, inactive.</i> 1969: discovery. 1972-74: road and airstrip construction. 1976, 1983-84: 1891.6 t mined. 1984-85: underground development. 1987: 114 t mined.
	<b>Vera</b> [40] 106C 083 Manson Creek Resources Limited	106C/5 64°18'24" N/133°44'50" W 08 7131784 N/560600 E 131 km NE of Mayo	<b>Main</b> 1982 Assessment report #062208	352 659 t Historical calculation	606.16 g/t Ag 3.18% Pb 3.47% Zn	<i>Deposit, inactive.</i> 1978: discovery. 1980: underground development. Completion to date of 9700 m of drilling.
	<b>Val</b> [41] 106C 085 Prism Resources Incorporated	106C/5 64°16'01" N/133°41'35" W 08 7127411 N/563311 E 130 km NE of Mayo	<b>Siltstone</b> 1998 Assessment report #062146	19 958 t Historical calculation	26.7% Pb 7.3% Zn 1027.4 g/t Ag	<i>Deposit, inactive.</i> 1978: discovery. 1988: environmental studies along proposed road route. Completion to date of over 8500 m of drilling.
	<b>Blende</b> [47] 106D 064 Eagle Plains Resources Limited / Shoshone Silver Mining Corporation	106D/7 64°24'39" N/134°40'21" W 08 7142836 N/515783 E 108 km NNE of Mayo	<b>West zone</b> 2004 Technical report by B. Price, Oct/2004	15.3 Mt Inferred*	3.23% Pb 3.04% Zn 67.5 g/t Ag	<i>Deposit, active exploration.</i> 1975: discovery. 1989: road construction. 1991: metallurgical studies. Completion to date of 16 500 m of drilling. 2004: geochemistry, mapping and prospecting.
	<b>Groundhog</b> [73] (Jeff, Lorne) 105F 029 St. Cyr Range Mineral Exploration Limited	105F/10 61°39'00" N/132°49'42" W 08 6837109 N/615033 E 44 km SW of Ross River	<b>Total</b> 1988 Assessment report #093042	200 950 t Inferred	91.89 g/t Ag 3.18% Pb 4.01% Zn	<i>Deposit, inactive.</i> 1956: discovery. 1978: road construction. 1979-80: shipped 1010 t of hand-sorted galena ore. 1988: drilling (2286 m), environmental study, underground development and bulk sampling.
	<b>Logjam</b> [74] 105B 038 Farrell Andersen	105B/4 60°01'32" N/131°36'06" W 09 6657109 N/355021 E 65 km ESE of Teslin	<b>Total</b> 1983 Assessment report #062205	70 144 t Historical calculation	393.2 g/t Ag 3.02 g/t Au	<i>Deposit, inactive.</i> 1944: discovery. 1965-67, 80-81, 86-88: underground development and road construction. Total of 2972 m of drilling to date.

† Resource/reserve figures have been compiled from a variety of historical data sources that in most cases predate the implementation of National Instrument 43-101. Therefore only those figures indicated by an asterisk (\*) should be considered as compliant with National Instrument 43-101.

Deposit type	Deposit [no. on map] (Other names) MINFILE no. Owner/optioned to	Location NTS Map Sheet/ Latitude/Longitude(NAD 83) UTM Zone/Northing/Easting	Mineralized zone(s) Year resource-reserve was calculated/ Reference	Tonnage Mineral resource-reserve Category†	Grade /commodity	Status	
...continued Vein/breccia associated	Polymetallic veins Ag-Pb-Zn+/-Au	Peso [76] (Rex) 106D 021 M.J. Moreau	106D/4 64°01'28" N/135°56'42" W 08 7100080 N/453819 E 47 km N of Mayo	<b>Peso/Rex</b> 1965 Assessment report #062258	139 371 t Historical calculation	716 g/t Ag 3.7% Pb	<i>Deposit, inactive.</i> 1910: discovery. 1961-64: underground development and drilling.
		Tinta Hill [81] 115I 058 Midnight Mines Limited	115I/7 62°17'36" N/136°58'40" W 08 6908426 N/397418 E 43 km NW of Carmacks	<b>Tinta Hill</b> 1980 Northern Miner, 12/04/80, p. 5	843 000 t Historical calculation	183.2 g/t Ag 4.71% Pb 6% Zn 0.35% Cu 2.57 g/t Au	<i>Deposit, active exploration.</i> 1930: discovery. 1989: road construction. Extensive underground and surface development by previous operators.
	Sn (Ag) veins	Zeta [67] 115P 047 Ron Berdahl	115P/14 63°59'23" N/137°17'31" W 08 7097884 N/387873 E 82 km NW of Mayo	<b>Zeta</b> 1989 Yukon Exploration 1988, p. 220	98 248 t Historical calculation	557.8 g/t Ag	<i>Deposit, inactive.</i> 1983: discovery. 1984: trenching, mapping, geophysics, geochemistry and drilling. 1988: drilling. A total of 1021 m of drilling completed to date.
	Cu+/-Ag quartz veins	Pike [71] 105J 003 Unstaked (Category A Ross River Dena Council settlement lands)	105J/2 62°10'01" N/130°41'42" W 09 6893933 N/411713 E 94 km ENE of Ross River	<b>Total</b> 1982 EMR Mineral Bulletin MR 213, p. 313	300 000 t Historical calculation	0.5% Cu 62.2 g/t Ag	<i>Deposit, inactive.</i> 1966: airborne geophysics, discovery. 1967: road construction. Resource calculation based on trenching and 3 drill holes.
	Epithermal – Low sulphidation	Skukum [13] (Mount Skukum Mine) 105D 158 Tagish Lake Gold Corporation	105D/3 60°12'24" N/135°28'09" W 08 6674519 N/473994 E 42 km W of Carcross	<b>Lake</b> 2003 Annual Information Form	109 200 t Indicated	13.4 g/t Au	<i>Underground past producer, mill, active exploration.</i> 1981: discovery. 1986 to 1988: produced 29 622 270 g Au from 201 461 t of ore from Cirque Zone, with an average grade of 13.0 g/t Au. 2001: mapping, prospecting and sampling.
		Grew Creek [29] (Main Zone) 105K 009 Al Carlos/Freegold Ventures Limited	105K/2 62°02'47" N/132°51'15" W 08 6881204 N/612207 E 24 km WNW of Ross River	<b>Main</b> 1997 Assessment report #093627, p.20	527 360 t Not defined	5.27 g/t Au	<i>Deposit, active exploration.</i> 1984: discovery. Over 32 000 m of drilling completed to date. Current drilling program is evaluating a new interpretation of the structural controls on the mineralized vein system within the Main zone and other nearby targets.
	Epithermal – High sulphidation	Goddell [14] (Goddell Gully) 105D 025 Tagish Lake Gold Corporation	105D/3 60°11'32" N/135°16'55" W 08 6672852 N/484365 E 32 km W of Carcross	<b>Total</b> 2003 Engineering Report by W.D. Roy, MineTech International Ltd.	320 000 t Indicated*  280 000 t Inferred*	11.02 g/t Au  9.21 g/t Au	<i>Deposit, active exploration.</i> 1906: discovery, trenching and short adit. 1985-90: geophysics, geochemistry, drilling (6373 m). 1995-98: drilling (2842 m). 1996-97: drove ramp and carried out underground drilling (6946 m). 2003: drilling (800 m).
		Mt. Reid [15] (Skukum Creek, Combination) 105D 022 Tagish Lake Gold Corporation	105D/3 60°10'45" N/135°24'42" W 08 6671436 N/477162 E 38 km W of Carcross	<b>Total (Rainbow and Kuhn Zone)</b> 2003 Engineering Report by W.D. Roy, MineTech International Ltd.	160 000 t Measured*  640 000 t Indicated*  90 000 t Inferred*	6.52 g/t Au 257 g/t Ag  6.84 g/t Au 203 g/t Ag  6.53 g/t Au 225 g/t Ag	<i>Deposit, active exploration.</i> 1922: discovery. 1985-88: extensive surface and underground exploration and development. Bio-leach tests were positive. Metallurgical tests showed recoveries of 92% for Au and 94.5% for Ag. 1996-98: underground and surface drilling. 2000: compilation of exploration data. 2001: surface drilling of Ridge Zone. 2002: underground drilling. 2004: extended access tunnel.
		Laforma [63] (Mount Freegold) 115I 054 FM Resources Corporation	115I/6 62°16'08" N/137°07'04" W 08 6905933 N/390069 E 48 km NW of Carmacks	<b>G-3 Vein</b> 1966 Assessment report #062138	62 184 t Historical calculation	15.1 g/t Au	<i>Underground past producer, inactive.</i> 1931: discovery. 1939-40: 1286 t milled. 1960-66: underground drilling (633 m) and drifting, 8653 t milled. 1995: drilling (2134 m), trenching and adit rehabilitation in preparation for bulk testing. 1996: construction of mill. Work was later halted when VSE suspended shares of former company for failing to provide independent verification of ore reserves.

† Resource/reserve figures have been compiled from a variety of historical data sources that in most cases predate the implementation of National Instrument 43-101. Therefore only those figures indicated by an asterisk (\*) should be considered as compliant with National Instrument 43-101.

Deposit type	Deposit [no. on map] (Other names) MINFILE no. Owner/optioned to	Location NTS Map Sheet/ Latitude/Longitude(NAD 83) UTM Zone/Northing/Easting	Mineralized zone(s) Year resource- reserve was calculated/ Reference	Tonnage Mineral resource- reserve Category†	Grade /commodity	Status	
...continued Vein/breccia associated	Epithermal – High sulphidation	<b>Mount Nansen</b> [64] (Webber, Huestis) 1151 065 B.Y.G. Natural Resources	1151/3 62°03'16" N/137°10'34" W 08 6882154 N/386239 E 47 km W of Carmacks	<b>Huestis</b> 1989 Assessment report #092701  <b>Webber</b> 1989 Assessment report #092701  <b>Flex</b> 1995 Assessment report #093365	85 727 t Not defined  58 524 t Not defined  69 977 t Indicated 38 615 t Inferred	14 g/t Au 283 g/t Ag  10.9 g/t Au 611 g/t Ag  6 g/t Au 234 g/t Ag 5.8 g/t Au 333 g/t Ag	<i>Deposit, past producer, mill, under government care.</i> 1945: discovery. 1968-69, 1976: production from Webber, Huestis. 1995: expansion and rehabilitation of existing mill, drilling of Flex and Huestis zones. 1997: stripping, trenching and geochemistry of Flex zone, which was slated for production after depletion of the adjoining Brown-McDade pit.
		<b>Brown-McDade</b> [65] 1151 064 B.Y.G. Natural Resources	1151/3 62°03'00" N/137°07'19" W 08 6881565 N/389054 E 44 km W of Carmacks	<b>Underground</b> 1989 Assessment report #092701 Assumes 1.52 m minimum mining width and cutoff grade of 6.8 g/t Au	193 706 t Not defined (originally reported as a probable reserve)	14.47 g/t Au 100 g/t Ag	<i>Open-pit past producer, under government care.</i> 1943: discovery. 1994-95: tailings storage study, road building, tailings dam stripping, construction and rehabilitation of mill and mine buildings. 1996: received a class A water license; production rates at the end of year reached 500 t/day. 1999: mining ceased due to environmental problems.
Skarn/replacement associated	Polymetallic Manto Ag-Pb-Zn	<b>McMillan</b> [2] (Quartz Lake) 095D 006 American Smelting and Refining Company	095D/5 60°29'26" N/127°56'34" W 09 6706511 N/558029 E 63 km NE of Watson Lake	<b>Main</b> 1991 Assessment report #092920  <b>South</b> 1991 Assessment report #092920	1.1 Mt Historic calculation  400 000 t Historic calculation	62 g/t Ag 4.1% Pb 8.3% Zn  214 g/t Ag 9.3% Pb 1.7% Zn	<i>Deposit, inactive.</i> 1892: discovery. 1930: first staked. Total of 15 204 m of drilling completed. 1990: trenching to test for gold potential. 1993: reclamation program.
		<b>Sa Dena Hes</b> [4] (Mt. Hundere) 105A 012 Teck Cominco and Korea Zinc Company Limited	105A/10 60°31'04" N/128°52'39" W 09 6709083 N/506725 E 51 km N of Watson Lake	<b>Total</b> 2003 Teck Cominco Limited Annual Report	2 190 000 t Indicated	10.4% Zn 2.6% Pb	<i>Underground past producer, mill, care and maintenance.</i> 1962: discovery; 1963: road construction. 1990-92: underground development, mill construction, produced until Dec/92 when closed due to low metal prices.
		<b>Ketza</b> [17] (Ketza River) 105F 019 YGC Resources Limited	105F/9 61°32'17" N/132°16'16" W 09 6706511 N/558029 E 51 km SSE of Ross River	<b>Manto style zones</b> 2004 Report by Giroux Consultants Limited  <b>Shamrock zone</b> 2004 Report by Giroux Consultants Limited	1 210 00 t Measured* 3 040 000 t Indicated* 6 270 000 t Inferred* (COG of 1.0 g/t Au)  2 590 000 t Indicated* 4 030 000 t Inferred* (COG of 1.0 g/t Au)	3.43g/t Au 2.67 g/t Au 1.76 g/t Au  2.19 g/t Au 1.92 g/t Au	<i>Past producer, mill, on hold.</i> 1954: discovery. 1988-90: production of over 3 112 000 g Au, before closing in Sept/90. 1994-96: drilling (11 090 m), mapping, prospecting.
		<b>Tintina</b> [20] (Eagle) 105G 006 Tintina Silver Mines Limited	105G/3 61°08'30" N/131°09'02" W 09 6780470 N/384218 E 116 km SE of Ross River	<b>Total</b> 1980 Canadian Mines Handbook 1980-81, p. 269	90 719 t Historical calculation	687.5 g/t Ag 6% Pb 10% Zn	<i>Deposit, inactive.</i> 1961: discovery. 1962: winter road construction and underground development. Total of 7735 m of drilling completed
		<b>Clark</b> [43] 106D 011 Tanana Exploration Incorporated	106D/2 64°07'01" N/134°57'24" W 08 7110046 N/502110 E 74 km NE of Mayo	<b>Total</b> 1975 Assessment report #092121	327 373 t Historical calculation	254.8 g/t Ag 5.64% Pb 4.6% Zn	<i>Deposit, active exploration.</i> 1967: discovery. 1968: road construction. 1970-88: Total of 7779 m of surface and underground drilling and 455 m of underground development. 2004: prospecting, geochemistry.

† Resource/reserve figures have been compiled from a variety of historical data sources that in most cases predate the implementation of National Instrument 43-101. Therefore only those figures indicated by an asterisk (\*) should be considered as compliant with National Instrument 43-101.

Deposit type	Deposit [no. on map] (Other names) MINFILE no. Owner/optioned to	Location NTS Map Sheet/ Latitude/Longitude(NAD 83) UTM Zone/Northing/Easting	Mineralized zone(s) Year resource-reserve was calculated/ Reference	Tonnage Mineral resource-reserve Category†	Grade /commodity	Status	
Continued Skarn/replacement associated	Skarn Au (Cu)	<b>Marn</b> [69] 116B 147 Canadian United Minerals Incorporated	116B/7 64°29'13" N/138°48'21" W 07 7153099 N/605433 E 57 km NNE of Dawson City	<b>Mini grid</b> 1986 Assessment report #091814	226 796 t Historical calculation	8.56 g/t Au 1% Cu 0.1% W 17.12 g/t Ag	<i>Deposit, active exploration.</i> 1914: original discovery. A total of over 4400 m of drilling has been completed to date.
	Skarn Cu (Au)	<b>Whitehorse Copper</b> [16] 105D 053, 054, 055 H. Coyne and Sons Limited, Northwest Enterprises, Klwane Drilling	105D/11 60°37'36" N/135°03'20" W 08 6721206 N/496960 E 10 km S of Whitehorse (location information for site of Whitehorse Copper mill)	<b>Total</b> of seven deposits 1984 DIAND Open File 1984-1	3 059 000 t Historical calculation	0.95% Cu	<i>Past producer, active exploration.</i> 1887: discovery. 1900-82: operated intermittently, 10 130 000 t mined with an average grade of 1.5% Cu. Approximately 177 000 oz (5.5 million g) Au and 2.6 million oz (81 million g) Ag were also extracted. 1990-91: 500 m of rotary drilling in 7 holes, geophysical survey and trenching. 1999-2003: drilling, geophysics, trenching.
	Skarn W	<b>Bailey</b> [5] (Pat) 105A 017 North American Tungsten Corporation Limited	105A/15 60°47'12" N/128°51'08" W 09 6739034 N/508046 E 79 km N of Watson Lake	<b>B zone</b> 1988 Assessment report #092120	404 600 t Historical calculation	1% W <sub>3</sub>	<i>Deposit, inactive.</i> 1963: discovery. Three mineralized zones over a strike length of 4 km.
		<b>Risby</b> [18] 105F 034 Ron Berdahl	105F/14 61°51'35" N/133°23'04" W 08 6859610 N/585000 E 51 km WSW of Ross River	<b>Total</b> 1982 Northern Miner, 08/08/1982, p. 30	2 700 000 t Historical calculation	0.81% W <sub>3</sub>	<i>Deposit, inactive.</i> 1968: discovery. A total of over 7000 m of drilling has been completed to date.
		<b>Mactung</b> [35] 105O 002 North American Tungsten Corporation Limited	105O/8 63°16'56" N/130°09'10" W 09 7017553 N/442175 E 187 km NE of Ross River	<b>Lower skarn</b> Report by Roscoe Postle Associates Inc., June/2001  <b>Upper skarn</b> Report by Roscoe Postle Associates Inc., June/2001	5 052 000 t Measured and indicated  8 617 000 t Measured and indicated	1.2% W <sub>3</sub>  0.8% W <sub>3</sub>	<i>Deposit, inactive.</i> 1962: discovery. 1970: road construction. 1971-73: underground development, bulk sampling, metallurgical testing. 1974-77: environmental and feasibility studies. 1984-85: bulk sampling and road building. A total of 12 700 m of drilling has been completed.
		<b>Ray Gulch</b> [45] (Garnet) 106D 027 StrataGold Corporation	106D/4 64°01'40" N/135°45'04" W 08 7100325 N/463298 E 49 km N of Mayo	<b>Garnet</b> 1980 Assessment report #090614	4 861 593 t Historical calculation	0.48% W <sub>3</sub>	<i>Deposit, active exploration.</i> 1942: discovery. Completion to date of over 20 100 m of drilling.
		<b>Stormy</b> [77] 105F 011 Deborah Moreau	105F/7 61°29'50" N/132°48'10" W 08 6820143 N/616960 E 57 km SSW of Ross River	<b>Total</b> 1959 Assessment report #060692	15 628 t Historical calculation	1.05% W <sub>3</sub>	<i>Deposit, inactive.</i> 1955: discovery. 1959: underground development. 1979-80: underground rehabilitation, bulk sampling. 1995: road building.
		Intrusion related Au	<b>Hyland Gold</b> [3] (Porker) 095D 011 StrataGold Corporation/ Northgate Minerals Corporation	95D/12 60°30'42" N/127°51'06" W 09 6708946 N/563057 E 68 km NE of Watson Lake	<b>Main zone</b> 1991 Assessment report #094150	3.1 Mt Historical calculation	1.1 g/t Au
	<b>Dublin Gulch</b> [44] 106D 025 StrataGold Corporation		106D/4 64°01'56" N/135°47'51" W 08 7100848 N/461038 E 49 km N of Mayo	<b>Eagle</b> 2004 Technical report by Snowden Mining Industry Consultants	55.228 Mt Indicated* (COG of 0.5 g/t Au)  17.255 Mt Inferred* (COG 0.5 g/t Au)	0.934 g/t Au  0.743 g/t Au	<i>Deposit, active exploration.</i> 1901-09: staking, aditing, shafting. 1996: metallurgical testing, engineering and environmental baseline studies. 1997: feasibility study. 1998: ongoing baseline studies, permitting under CEEA, environmental monitoring. Total of 27 700 m of drilling to date.
	<b>Brewery Creek</b> [70] 116B 160 Quest Capital Corporation/ NovaGold Resources Incorporated		116B/1 64°03'28" N/138°14'23" W 07 7106371 N/634700 E 58 km E of Dawson City	<b>Brewery Creek</b> (includes Bohemian, Big Rock, Fosters zone)  <b>North Slope</b> 2003 Technical Report by R.M. Diment and R.G. Simpson	3 975 900 t Indicated* (COG of 0.5 g/t Au)  214 000 t Inferred* (COG of 0.5 g/t Au)	1.135 g/t Au  2.01 g/t Au	<i>Open-pit, past producer, reclamation, active exploration.</i> 1987: discovery. 1988-91: completed 38 656 m of drilling. 1989-90: bulk sampling, metallurgical testing. 1992-93: test pitting, environmental studies. 1994: feasibility study, permitting. 1995: mine construction. Began heap leach production in Nov./96. 2003: comprehensive compilation of property completed. 2004: drilling.

† Resource/reserve figures have been compiled from a variety of historical data sources that in most cases predate the implementation of National Instrument 43-101. Therefore only those figures indicated by an asterisk (\*) should be considered as compliant with National Instrument 43-101.

Deposit type	Deposit [no. on map] (Other names) MINFILE no. Owner/optioned to	Location NTS Map Sheet/ Latitude/Longitude(NAD 83) UTM Zone/Northing/Easting	Mineralized zone(s) Year resource-reserve was calculated/ Reference	Tonnage Mineral resource-reserve Category†	Grade /commodity	Status
Alkalic porphyry Cu-Au	<b>Williams Creek [59]</b> (Carmacks Copper) 115I 008 Western Silver Corporation	115I/7 62°20'56" N/136°41'37" W 08 6914195 N/412316 E 36 km NNW of Carmacks	<b>No. 1 zone</b> 1998 Letter to shareholders dated 02/06/98	15.55 Mt Proven mineral reserve	1.01% Cu 0.5 g/t Au	<i>Deposit, permitting stage.</i> 1970: discovery. 1993: construction of test facility for heap leaching during cold winter months. Feasibility study completed in November, 1994. Three studies submitted to RERC and the property is in the final stages of the permitting process. Currently discussing joint venture proposals for project development.
	<b>Minto [60]</b> (Def) 115I 021, 022 Minto Explorations Limited	115I/11 62°36'33" N/137°14'18" W 08 6944037 N/385126 E 76 km NW of Carmacks	<b>Minto/Def zones</b> 2000 Minto Explorations Limited Annual Report	8 818 000 t Not defined (COG of 0.5% Cu)	1.73% Cu 0.48 g/t Au 7.5 g/t Ag	<i>Deposit, inactive.</i> 1971: discovery. 1972: airstrip construction. 1973: discovery of Def zone, metallurgical/geotechnical studies. Total of 17 355 m of drilling completed. 1995: environmental studies, permitting. 1996-97: feasibility study, road upgrades, mill construction. 1998-99: received production and water licenses.
Porphyry Cu+/-Mo+/-Au	<b>Red Mountain [10]</b> (Boswell River) 105C 009 Tintina Mines Limited	105C/13 60°59'21" N/133°44'58" W 08 6762226 N/567657 E 76 km NE of Whitehorse	<b>Total</b> 1992 Assessment report #092354  <b>High grade core</b> 1992 Assessment report #092354	187.27 Mt Inferred  21.296 Mt Inferred	0.167% Mo  0.293% Mo	<i>Deposit, inactive.</i> 1967: discovery. 1969: road construction. Over 24 500 m of drilling completed. 1995: metallurgical studies.
	<b>Casino [66]</b> 115J 028 Great Basin Gold Limited/Lumina Copper Corporation	115J/10 62°44'16" N/138°49'41" W 07 6958243 N/610984 E 150 km NW of Carmacks	<b>Supergene oxide zone</b> 2004 Report by Rebagliati Geological Consulting Ltd.  <b>Supergene sulphide zone</b> 2004 Report by Rebagliati Geological Consulting Ltd.  <b>Hypogene zone</b> 2004 Report by Rebagliati Geological Consulting Ltd.	42 Mt Indicated* (COG of 0.3% Cu Eq)  124 Mt Indicated* (COG of 0.3% Cu Eq)  798 Mt Indicated* (COG of 0.3% Cu Eq)	0.35 g/t Au 0.33% Cu 0.66% Cu Eq  0.32 g/t Au 0.32% Cu 0.66% Cu Eq  0.21 g/t Au 0.19% Cu 0.48% Cu Eq	<i>Deposit, feasibility stage.</i> 1967: discovery. 1994: extensive infill and geotechnical drilling, metallurgical, environmental and engineering studies. Detailed project prefeasibility study completed with open-pit mining proposed. 1997: environmental studies continue.
	<b>Cash [72]</b> 115I 037 Unstaked (Category A Selkirk First Nation settlement lands)	115I/5 62°25'45" N/137°37'12" W 08 6924733 N/364732 E 79 km NW of Carmacks	<b>Journey zone</b> (hypogene) 1977 Mineral Industry Report 1977, p. 70-71	36.29 Mt Historical calculation	0.17% Cu 0.018% Mo	<i>Deposit, withdrawn from staking.</i> 1969: discovery. 1974: construction of airstrip. 1989: road construction.
	<b>Nucleus [75]</b> (Golden Revenue) 115I 107 Atac Resources Limited/ Yale Resources Limited	115I/6 62°20'03" N/137°20'09" W 08 6913592 N/379016 E 61 km NW of Carmacks	<b>Nucleus</b> 1989 Assessment report #092703	211 925 t Not defined	3.16 g/t Au	<i>Deposit, active exploration.</i> 1968: discovery. 2000: road construction. Total of over 6000 m of drilling completed to date.
	<b>Logtung [7]</b> 105B 039 Strategic Metals Limited	105B/4 60°00'19" N/131°35'52" W 09 6654843 N/355149 E 65 km ESE of Teslin	<b>Total</b> 1984 Economic Geology, Aug/84 p. 848-868	162 Mt Historical calculation	0.13% W 0.052% Mo	<i>Deposit, active exploration.</i> 1976: discovery and road construction. 1977-81: drilling (11 628 m), underground development, bulk sampling, metallurgical and environmental studies. 2001: data compilation.
Subvolcanic Cu-Au	<b>Antoniuk [62]</b> (Rambler) 115I 111 FM Resources Corporation	115I/6 62°16'13" N/137°05'56" W 08 6906056 N/391054 E 47 km NW of Carmacks	<b>Antoniuk</b> 1988 Assessment report #092161	3 877 900 t Not defined	1.16 g/t Au	<i>Deposit, inactive.</i> 1931: discovery. Over 5200 m of drilling. Cyanide leach tests showed that mineralization is amenable to heap leaching.

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Deposit type	Deposit [no. on map] (Other names) MINFILE no. Owner/optioned to	Location NTS Map Sheet/ Latitude/Longitude(NAD 83) UTM Zone/Northing/Easting	Mineralized zone(s) Year resource-reserve was calculated/ Reference	Tonnage Mineral resource-reserve Category†	Grade /commodity	Status
Mississippi Valley Type	<b>Goz</b> [38] (Barrier Reef) 106C 020 Almaden Minerals Limited	106C/7 64°25'43" N/132°32'47" W 08 7147059 N/618147 E 187 km NE of Mayo	<b>Goz</b> 1989 George Cross Newsletter, 05/19/89, p. 2	2 494 758 t Historical calculation	11% Zn	<i>Deposit, inactive.</i> 1973: discovery, prospecting, mapping, geochemistry. 1974: mapping, drilling (2024 m). 1975: geochemistry, mapping, drilling (4195 m).
	<b>Craig</b> [39] 106C 073 Falconbridge Limited	106C/3 64°09'21" N/133°21'22" W 08 7115411 N/579951 E 140 km ENE of Mayo	<b>West zone</b> 2002 Canadian Mines Handbook 2001/02, p. 233	874 980 t Not defined	13.5% Pb 8.5% Zn 123 g/t Ag	<i>Deposit, inactive.</i> 1976: discovery. Completion of over 6600 m of drilling to date.
Sediment associated Sedimentary exhalative (Sedex)	<b>Howard's Pass</b> [28] (Summit Lake, XY) 105I 012, 037 Placer Dome (CLA) Limited	105I/6 62°28'09" N/129°12'49" W 09 6926465 N/488984 E 175 km ENE of Ross River (location information is for XY zone; the Anniv zone is located approximately 18 km to the northwest)	<b>XY zone</b> 1983 EMR Mineral Bulletin MR 213, p. 313  <b>Anniv zone</b> 1983 EMR Mineral Bulletin MR 213, p. 313.	59 Mt Historical calculation  61 Mt Historical calculation	5.4% Zn 2.1% Pb  5.4% Zn 2.1% Pb	<i>Deposit, inactive.</i> 1972: discovery. 1973: winter road and airstrip construction. 1977: road building. 1980-81: underground development. 1991: site cleanup. Completion of over 34 600 m of drilling on XY and Anniv zones.
	<b>Swim</b> [30] 105K 046 Court appointed interim receiver – Deloitte and Touche	105K/3 62°12'43" N/133°02'00" W 08 6899352 602276 E 17 km E of Faro	<b>Total</b> 1983 CIM Special Volume 37, p. 319-381.	4.3 Mt Historical calculation	3.8% Pb 4.7% Zn 42 g/t Ag	<i>Deposit, care and maintenance.</i> Total of 10 150 m of drilling. Deposit is roughly 460 m long and 150 m wide, with an average thickness of 21 m.
	<b>Vangorda</b> [30] 105K 055 Court appointed interim receiver – Deloitte and Touche	105K/6 62°15'00" N/133°11'19" W 08 6903351 N/594095 E 9 km ENE of Faro	<b>Total</b> 1996 Anvil Range Mining Corp. Annual Information Form	165 000 t Proven reserve*	3.27% Pb 4.14% Zn 43 g/t Ag	<i>Open-pit, past producer, care and maintenance.</i> 1953: discovery. 1979: metallurgical and feasibility studies. Over 23 500 m of drilling. 1989: bulk sampling. 1990-93 and 1995-96: production.
	<b>Grum</b> [30] 105K 056 Court appointed interim receiver – Deloitte and Touche	105K/6 62°16'47" N/133°14'29" W 08 6906565 N/591253 E 9 km NE of Faro	<b>Total</b> 1996 Anvil Range Mining Corp. Annual Information Form	1 589 000 t Proven reserve*  17.06 Mt Probable reserve*	3.56% Pb 5.34% Zn 58 g/t Ag 0.83 g/t Au  2.6% Pb 4.34% Zn 44 g/t Ag 0.74 g/t Au	<i>Open-pit, past producer, care and maintenance.</i> 1953: discovery. 1976-77: underground development, feasibility study. 1979: metallurgical testing. Total of over 75 000 m of drilling completed. 1995-96 and 1997-98: production.
	<b>Grizzly</b> [30] (Dy) 105K 101 Court appointed interim receiver – Deloitte and Touche	105K/3 62°13'47" N/133°07'49" W 08 6901187 N/597189 E 12 km E of Faro	<b>Total</b> 1996 Anvil Range Mining Corp. Annual Information Form	17.24 Mt Indicated*	4.85% Pb 6.39% Zn 71.6 g/t Ag 0.75 g/t Au	<i>Deposit, care and maintenance.</i> 1953: staked as part of Vangorda property. 1976: discovery during deep drilling. Completion of 52 000 m of drilling to date.
	<b>Clear Lake</b> [31] 105L 045 Energold Mining Limited	105L/14 62°47'04" N/135°08'36" W 08 6961585 N/492692 E 97 km NE of Carmacks	<b>Clear Lake</b> 1991 George Cross Newsletter, 03/04/1991, p. 2.	5 570 114 t Not defined	11.4% Zn 2% Pb 38.1 g/t Ag	<i>Deposit, inactive.</i> 1965: discovery. 1979: airstrip construction. 1993: baseline environmental studies. Over 18 700 m of drilling completed to date.
	<b>Tom</b> [33] 105O 001 Hudson Bay Exploration and Development Company Limited	105O/1 63°09'53" N/130°08'40" W 09 7004455 N/442360 E 176 km NE of Ross River	<b>West zone</b> 1986 CIM Special Volume 37, p. 100-115  <b>East zone</b> 1986 CIM Special Volume 37, p. 100-115.	6 864 800 t Indicated  2 418 900 t Indicated	4.44% Pb 7.16% Zn 42.6 g/t Ag  11.13% Pb 8.42% Zn 145.4 g/t Ag	<i>Deposit, inactive.</i> 1951: discovery. 1970-71: underground development, bulk sampling, metallurgical testing. 1980-82: underground development, engineering and environmental studies. Completion to date of over 27 200 m of drilling.
	<b>Jason</b> [34] 105O 019 Mac Pass Resources Limited	105O/1 63°08'55" N/130°15'53" W 09 7002774 N/436267 E 170 km NE of Ross River	<b>Total</b> (Main, South and End zones) 1983 CIM Special Volume 37, p. 87-99.	14.1 Mt Historical calculation	7.09% Pb 6.57% Zn 79.9 g/t Ag	<i>Deposit, inactive.</i> 1974: discovery. 1982: environmental studies. 1985: feasibility studies. Total of 30 700 m of drilling completed to date.

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Deposit type	Deposit [no. on map] (Other names) MINFILE no. Owner/optioned to	Location NTS Map Sheet/ Latitude/Longitude(NAD 83) UTM Zone/Northing/Easting	Mineralized zone(s) Year resource- reserve was calculated/ Reference	Tonnage Mineral resource- reserve Category†	Grade /commodity	Status	
Sediment associated	Stratiform barite (Zn, Pb)	Mel [1] (Jean) 095D 005 International Barytex Resources Limited	95D/6 60°21'19" N/127°23'55" W 09 6692052 N/588356 E 79 km ENE of Watson Lake	<b>Main zone</b> 1994 Assessment report #093353	6.8 Mt Historical calculation	7.1% Zn 2% Pb 54.7% Ba	<i>Deposit, inactive.</i> 1967: discovery. 1985: airstrip and road construction. Over 16 400 m of drilling completed to date.
		Samovar [36] (Tea) 105O 020 H. Coyne and Sons Limited	105O/2 63°01'11" N/130°36'55" W 09 6988813 N/418243 E 147 km NE of Ross River	<b>Tea</b> 1984 Assessment report #092039	377 038 t Not defined	92.5% Ba	<i>Open-pit, past producer, inactive.</i> 1975: discovery, bulk sampling. 1976: road construction. 1982: mined 8000 t. 1995: mill construction, mining and production.
		Walt [78] (Bar) 105O 021 Jim Coyne	105O/7 63°16'35" N/130°33'48" W 09 7017340 N/421568 E 172 km NE of Ross River	<b>Cathy</b> 2000 Assessment report #094084	450 000 t Inferred	No grade reported, S.G. is 4.25 or higher	<i>Deposit, inactive.</i> 1973: discovery. 1993: bulk sampling. 1999: compilation and mineral inventory review.
	Sedimentary Mn	Marlin [11] (Eve, Evelyn Creek) 105C 017 12633 Yukon Inc./Sid McKeown	105C/11 60°42'26" N/133°20'07" W 08 6731328 N/590858 E 68 km NNW of Teslin	<b>Main showing</b> 1994 Assessment report #093247	363 t Assumed figure, measured on surface	Near gem quality rhodonite	<i>Open-pit, producer.</i> 1955: discovery. 1987-92: road upgraded, mined and shipped a total of 138 t. 1994: detailed mapping and trenching. 1998: mined 35 t. 2000: reclamation, road repair, diamond drilling (150.8 m).
		Iron formation	Crest [55] (Snake River) 106F 008 Chevron Resources Canada	106F/6 65°15'08" N/133°02'22" W 08 7237987 N/591569 E Yukon/NWT border	<b>Crest</b> 1964 Assessment report #017964	3 175 147 kt Historical calculation	43.8% Fe 26.6% SiO <sub>2</sub> 0.34% Pb
	Volcanic associated	Kuroko Cu-Pb-Zn-(Ag)	Wolf [21] (Hasselberg) 105G 008 Atna Resources Limited (66%) and YGC Resources Limited (34%)	105G/6 61°20'24" N/131°29'38" W 09 6803207 N/366582 E 87 km SSE of Ross River	<b>Total</b> 2000 Atna Web Site (reported as in-house resource)	4.1 Mt Not defined	6.2% Zn 1.8% Pb 84 g/t Ag
Wolverine [22] (Fetish) 105G 072 Expatriate Resources Limited			105G/8 61°25'36" N/130°08'02" W 09 6810838 N/439499 E 136 km SE of Ross River	<b>Main lens</b> 2000 Expatriate Web Site (estimate by Hatch Assoc. Ltd, based on Oct. 2000 report by Nilsson Mine Services Ltd.)	4 941 000 t Indicated (containing a probable reserve of 3 470 000 t)	1.37% Cu 1.44% Pb 12.43% Zn 336.6 g/t Ag 1.59 g/t Au (grade of reserve)	<i>Deposit, feasibility stage.</i> 1973: discovery. 1996: airstrip construction. Over 42 000 m of drilling to date. Metallurgical tests and development plans completed. Feasibility study commissioned. Proposed test mining, underground development and exploration.
Kudz Ze Kayah [23] (ABM, Tag) 105G 117 Teck Cominco Limited			105G/7 61°27'29" N/130°36'36" W 09 6814868 N/414184 E 112 km SE of Ross River	<b>Total</b> 2003 Teck Cominco Annual Report	11.3 Mt Indicated*	0.9% Cu 1.5% Pb 5.9% Zn 1.3 g/t Au	<i>Deposit, inactive.</i> 1993: discovery. 1994-95: airstrip and tote road construction, 40 tonne bulk sample, engineering, metallurgical and environmental studies. Over 32 000 m of drilling. Environmental permitting completed, Class A water license signed.
Matt Berry [27] (Barb) 105H 021 International Barytex Resources Limited			105H/6 61°28'32" N/129°24'14" W 09 6815825 N/478482 E 161 N of Watson Lake	<b>Total</b> 1977 Assessment report #061798	533 430 t Historical calculation	6.1% Pb 4.6% Zn 102.86 g/t Ag	<i>Deposit, inactive.</i> 1944: first staked. Over 4800 m of drilling completed to date. Note: The deposit is copper rich, but copper grades are not quoted in the resource calculation.
Marg [42] 106D 009 Atna Resources Limited			106D/1 64°00'21" N/134°28'01" W 08 7097773 N/526067 E 83 km NE of Mayo	Marg 1997 Unpublished company report, as quoted in George Cross Newsletter, 02/28/2000, p.2	5 527 000 t Not defined	1.76% Cu 2.46% Pb 4.6% Zn 62.7 g/t Ag 0.98 g/t Au	<i>Deposit, active exploration.</i> 1965: discovery. 1988: airstrip and road construction. 1997: preliminary metallurgical testing, winter road completed to facilitate development. Total of over 23 000 m of drilling to date. Deposit limits are open. Excellent exploration potential.
GP4F [80] 105G 143 Teck Cominco Limited			105G/7 61°26'43" N/130°30'38" W 09 6813338 N/419450 E 118 km SE of Ross River	<b>Total</b> 1998 Teck Cominco Annual Report	1.5 Mt Inferred	0.1% Cu 3.1% Pb 6.4% Zn 90 g/t Ag 2 g/t Au	<i>Deposit, active exploration.</i> 1994: staked, airborne geophysics. 1998: drilling (1556 m), discovery.

† Resource/reserve figures have been compiled from a variety of historical data sources that in most cases predate the implementation of National Instrument 43-101. Therefore only those figures indicated by an asterisk (\*) should be considered as compliant with National Instrument 43-101.

Deposit type	Deposit [no. on map] (Other names) MINFILE no. Owner/optioned to	Location NTS Map Sheet/ Latitude/Longitude(NAD 83) UTM Zone/Northing/Easting	Mineralized zone(s) Year resource-reserve was calculated/ Reference	Tonnage Mineral resource-reserve Category†	Grade /commodity	Status	
Volcanic associated <i>...continued/</i>	Besshi Cu-(Zn)	Fyre [24] (Kona) 105G 034 Pacific Ridge Exploration Limited	105G/2 61°13'34" N/130°30'55" W 09 6788916 N/418633 E 132 km SE of Ross River	<b>High grade core</b> 1998 George Cross Newsletter, 03/31/1998, p. 2	8.2 Mt Not defined (resource estimate originally reported as measured/ indicated)	2.1% Cu 0.11% Co 0.73 g/t Au	<i>Deposit, inactive.</i> 1960: discovery. 1996-97: extensive geochemical, geological and geophysical surveys, 23 200 m of drilling and preliminary scoping and metallurgical studies have been completed.
		Hart River [68] (Mark) 116A 009 Calypso Developments Limited	116A/10 64°38'05" N/136°49'30" W 08 7169001 N/412775 E 125 km NW of Mayo	<b>Total</b> 1969 Mineral Industry Report 1969 and 1970, p. 25. Also Canadian Mines Handbook 1971-72, p. 181	523 849 t Not defined (originally reported as proven reserves)	1.45% Cu 3.65% Zn 0.87% Pb 49.7 g/t Ag 1.41 g/t Au	<i>Deposit, inactive.</i> 1955: discovery. 1968-71: winter road construction, underground development, 5989 m of surface and underground drilling, feasibility study completed. 1993-94: 3208 m of additional drilling.
	Cyprus (Cu)	Ice [25] 105G 118 Expatriate Resources Limited	105G/14 61°52'29" N/131°21'37" W 09 6862479 N/375887 E 57 km ESE of Ross River	<b>Total</b> 2002 Expatriate Annual Report	4 561 863 t Indicated	1.48% Cu	<i>Deposit, inactive.</i> 1996: discovery. 1996-97: geochemistry, mapping, prospecting, ground and airborne geophysics, drilling (10 584 m). Resource figure includes 3.4 Mt of near-surface, open-pittable mineralization at the same grade, of which 2.7 Mt is oxide.
Mafic/ultramafic associated	Gabbroid Cu-Ni	Wellgreen [56] 115G 024 Northern Platinum Limited	115G/5 61°27'55" N/139°31'39" W 07 6815499 N/578469 E 135 km NW of Haines Junction	<b>Wellgreen</b> 1989 Yukon Exploration 1988, p. 166-167	42.33 Mt Inferred	0.35% Cu 0.36% Ni 0.51 g/t Pt 0.34 g/t Pd	<i>Deposit, active exploration.</i> 1952-55: discovery, underground development 1972: limited production. 1987-88: underground rehabilitation. 1988-89: preliminary feasibility study. To date over 37 000 m of drilling completed.
		Canalask [57] (Onion) 115F 045 StrataGold Corporation	115F/15 61°57'11" N/140°32'16" W 07 6869036 N/524247 E 210 km NW of Haines Junction	<b>Main zone</b> 1968 Assessment report #093256	390 235 t Historical calculation	1.35% Ni	<i>Deposit, inactive.</i> 1953: discovery. 1954-58: underground development. Completion to date of over 7600 m of drilling.
Wernecke Breccia	Pagisteel [46] 106D 049 Strategic Metals Limited	106D/16 64°50'03" N/134°16'57" W 08 7190165 N/534043 E 158 km NE of Mayo	<b>Pagisteel</b> 1978 CIM Bulletin, Aug/1978, p. 53-58	1 000 000 t Historical calculation	29.2% soluble iron	<i>Deposit, active exploration.</i> 1898: discovery. 1962: first staked. 1966: marketing and transportation studies. 1967: winter road and airstrip construction. 2004: geophysics.	
Industrial minerals Coal	Coal	Sulpetro [9] (Rock River) 095D 026 Duane Poliquin	95D/11 60°41'38" N/127°12'40" W 09 6730021 N/597674 E 108 km NE of Watson Lake	<b>Sulpetro</b> 1982 Assessment report #062134	67 Mt Historical calculation	Lignite A to sub- bituminous C coal (CV = 15 456 kJ/kg)	<i>Deposit, inactive.</i> 1980: exploration license acquired. 1981-82: mapping, geophysics, drilling (718 m). 1983, 2004: area relicensed.
		Whiskey Lake [19] 105F 048 Archer, Cathro and Associates (1981) Limited	105F/15 61°58'29" N/132°31'57" W 08 6873822 N/629325 E 4 km W of Ross River	<b>Ross River block</b> 1980 Geological Survey of Canada Paper 79-32	370 000 t (0-50 m of cover) 740 000 t (0-100 m of cover) 1 100 000 t (0-150 m of cover) Inferred	Low volatile bituminous to semi- anthracite coal	<i>Open-pit, past producer, inactive.</i> 1964: discovery. 1966: staked. 1980: drilling (1520 m). 1986-89: produced 87 000 t, drilling (15 970 m). 1992: produced 14 000 t.
		South Tantalus [26] 115I 001 Archer, Cathro and Associates (1981) Limited	115I/1 62°04'49" N/136°15'10" W 08 6883755 N/434558 E 2 km SE of Carmacks	<b>Carmacks South</b> 1977 Assessment report #092031	780 633 t Inferred	High volatile bituminous B to meta-anthracite coal (CV = 22 500 kJ/kg)	<i>Deposit, inactive.</i> 1966: discovery. 1976-80: mapping, drilling (4572 m), trenching and geophysics.
		Marathon [48] (Airstrip) 106E 013 Philip Wheelton	106E/3 65°13'04" N/135°16'42" W 08 7232754 N/486981 E 183 km NNE of Mayo	<b>Marathon</b> 1980 Assessment report #062055	18.4 Mt Inferred	High volatile bituminous C coal (CV = 23 297 kJ/kg)	<i>Deposit, inactive.</i> 1905: presence of coal float noted in Wind River. 1977: exploration license acquired. 1979-80: mapping, drilling (387 m). 1980, 1983, 2001: area relicensed.

† Resource/reserve figures have been compiled from a variety of historical data sources that in most cases predate the implementation of National Instrument 43-101. Therefore only those figures indicated by an asterisk (\*) should be considered as compliant with National Instrument 43-101.

Deposit type	Deposit [no. on map] (Other names) MINFILE no. Owner/optioned to	Location NTS Map Sheet/ Latitude/Longitude(NAD 83) UTM Zone/Northing/Easting	Mineralized zone(s) Year resource-reserve was calculated/ Reference	Tonnage Mineral resource-reserve Category†	Grade /commodity	Status
Industrial minerals ...continued Coal ...continued	<b>Pole</b> [49] (Wernecke) 106E 021 Philip Wheelton	106E/3 65°12'25" N/135°01'33" W 08 7231518 N/498791 E 185 km NNE of Mayo	<b>Pole</b> 1980 Assessment report #062055	28.93 Mt Inferred  104.65 Mt Indicated	High volatile bituminous C coal (CV = 23 297 kJ/kg)	<i>Deposit, inactive.</i> 1977: exploration license acquired. 1978-80: mapping, drilling (777 m). 1980, 1983, 2001: area relicensed.
	<b>Garlic Ring</b> [50] 106E 032 Philip Wheelton	106E/7 65°20'28" N/134°51'05" W 08 7246479 N/506918 E 201 km NNE of Mayo	<b>Garlic Ring</b> 1980 Assessment report #062055	5.55 Mt Inferred  8.6 Mt Indicated	High volatile bituminous C coal (CV = 23 297 kJ/kg)	<i>Deposit, inactive.</i> 1977: exploration license acquired. 1980: drilling (484 m). 1980, 2001: area relicensed.
	<b>Illtyd</b> [51] (Bonnet Plume Coal) 106E 035 Philip Wheelton	106E/6 65°16'01" N/135°00'18" W 08 7238205 N/499766 E 191 km NNE of Mayo	<b>Illtyd</b> 1980 Assessment report #062055	33.5 Mt Inferred  29.21 Mt Indicated  120.93 Mt Measured	High volatile bituminous C coal (CV = 22 097 kJ/kg)	<i>Deposit, inactive.</i> 1977: exploration license acquired. 1978-79: total of 3462 m of drilling, stratigraphic, metallurgical and feasibility studies. 1980, 1983, 2001: area relicensed.
	<b>Pan Ocean</b> [52] (West Illtyd) 106E 036 Philip Wheelton	106E/3 65°14'23" N/135°00'58" W 08 7235171 N/499247 E 188 km NNE of Mayo	<b>West Illtyd</b> 1980 Assessment report #062055	47.56 Mt Inferred	High volatile bituminous C coal (CV = 23 297 kJ/kg)	<i>Deposit, inactive.</i> 1977: exploration license acquired. 1978: staked mineral rights. 1980: drilling (555 m), mapping. 1980, 2001: area relicensed.
	<b>Deslaurier</b> [53] 106E 037 Philip Wheelton	106E/6 65°26'11" N/135°26'08" W 08 7257160 N/479796 E 207 km N of Mayo	<b>Deslaurier</b> 1980 Assessment report #062055	43.8 Mt Inferred  60.83 Mt Indicated	High volatile bituminous C coal (CV = 24 888 kJ/kg)	<i>Deposit, inactive.</i> 1977: exploration license acquired. 1979-80: mapping, drilling (612 m). 1980, 1983, 2001: area relicensed.
	<b>Spaceship</b> [54] 106E 038 Philip Wheelton	106E/2 65°13'15" N/134°55'07" W 08 7233068 N/503806 E 187 km NNE of Mayo	<b>Spaceship</b> 1980 Assessment report #062055	157.95 Mt Inferred	High volatile bituminous C coal (CV = 23 297 kJ/kg)	<i>Deposit, inactive.</i> 1977: exploration license acquired. 1980: mapping, drilling (689 m). 1980, 2001: area relicensed.
	<b>Division</b> [58] (Division Mountain) 115H 013 Cash Minerals Limited	115H/8 61°20'45" N/136°05'27" W 08 6801796 N/441645 E 84 km S of Carmacks	<b>Division Mountain</b> 1998 Assessment report #093824	52.9 Mt Indicated	High volatile bituminous B coal (CV = 31 401 kJ/kg)	<i>Deposit, advanced exploration.</i> 1903: discovery. 1971: road construction. Over 11 000 m of drilling, environmental, archaeological and sociological studies initiated in preparation for permitting.
	<b>Tantalus Mine</b> [61] 115I 002 Archer, Cathro and Associates (1981) Limited	115I/1 62°05'36" N/136°15'50" W 08 6885220 N/434006 E 1 km E of Carmacks	<b>Tantalus Mine</b> n/a	No reserve figures available due to structural complexity of deposit.	High volatile bituminous B coal	<i>Underground, past producer, inactive.</i> 1903: discovery. 1924-38: produced an average of 454 t per year. 1948-67: produced 118 000 t. 1969-76: produced 109 770 t. 1978: mine sealed due to fire, production shifted to surface.
	<b>Whitehorse Coal</b> [79] (Black Diamond) 105D 042 Whitehorse Coal Corporation	105D/6 60°29'50" N/135°17'08" W 08 6706821 N/484311 E 29 km SSW of Whitehorse	<b>Underground</b> 1969 Assessment report #060580  <b>Open pit</b> 1985 Assessment report #092012	2 381 384 t Historical calculation  182 198 t Historical calculation	Meta-anthracite coal (CV = 13 355 kJ/kg)  Meta-anthracite coal (CV = 25 198 kJ/kg)	<i>Open-pit, past producer, inactive.</i> 1899: discovery. 1900: staked. 1901: underground/ surface development. 1981: road construction. 1986-88: produced 4606 t.

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## Notes

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