

MINFILE Update of the QUEST Project Area, Central British Columbia (Parts of NTS 093A, B, G, H, J, K, N, O, 094C, D)

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Introduction

The online provincial mineral inventory database, MINFILE, is recognized as an important mineral exploration tool (BC Geological Survey, 2009a). MINFILE updates (MINFILE, 2009) were carried out in the QUEST project area (parts of NTS 093A, B, G, H, J, K, N, O; 094C, D), in an area of approximately 47 560 km² in central British Columbia (Figure 1). The QUEST project involved a regional airborne electromagnetic and gravity survey that covered an area extending roughly from Williams Lake to Germansen Landing and geochemical sampling over parts of eight NTS map areas. As a result of these new datasets, there has been significant new exploration activity in the QUEST project area.

Most MINFILE occurrence descriptions in the project area are up to 20 years out of date—the last updates range from 1989 to 1996. Subsequent and recent staking activity has resulted in submission of new assessment reports that have enhanced geological data for some mineral occurrences and added new mineral occurrences.

The objectives of this project were to update or create new MINFILE occurrences based on a review of assessment reports, Property File documents (BC Geological Survey, 2009b), news releases, formal publications and recent exploration data. This update of MINFILE provides the mineral exploration community with a more current, high-

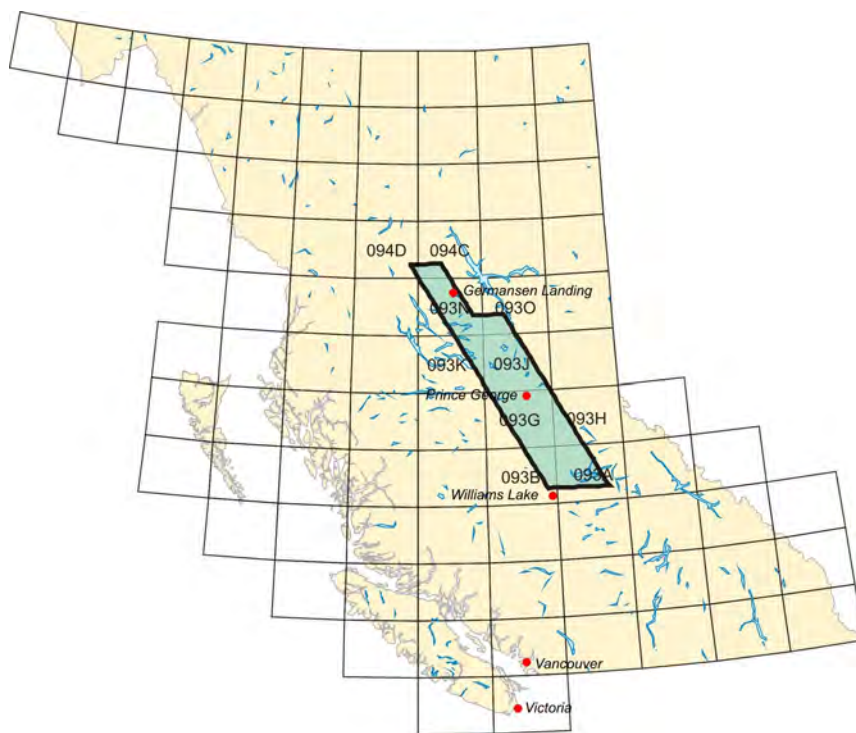


Figure 1. Location of MINFILE updates (green shaded area) relative to the QUEST project geophysical survey area (black outline) in central British Columbia.

quality, online geological dataset that will help guide exploration efforts in the QUEST project area. It is hoped that the data generated as part of this project will contribute toward longer-term benefits evidenced by increased mineral exploration activity in an area focusing on the Quesnel Terrane between Williams Lake in the south and Germansen Landing in the north.

Approximately 1400 assessment reports were reviewed by the authors, culminating in the revision and updating of 486 occurrences, of which 139 are newly created showings (Table 1). In 2008, exploration spending in the QUEST project area totalled about \$70 million (DeGrace, 2008).

Data were entered into the online MINFILE data-entry system and reviewed by the BC Geological Survey for compliance with MINFILE coding standards. Updated data

Keywords: QUEST project area, mineral exploration, assessment reports, MINFILE updates, new showings

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Table 1. Updated MINFILE occurrences by NTS map sheet, QUEST project area, central British Columbia. Grey shaded entries are new showings.

(NAD 83)							
MINFILE Number	Names	Status	Commodities	NTS Maps	Latitude	Longitude	Deposit Types
093A 189	Park	Showing	Silver	093A01W	52 ° 12' 14" N	120° 24' 24" W	Au-quartz veins
093A 188	Cariboo Rand	Showing	Copper, gold, silver	093A03W, 093A06W	52 ° 14' 44" N	121° 18' 03" W	Au-quartz veins
093A 017	Antoine Creek	Past producer	Gold	093A05E	52 ° 24' 53" N	121° 34' 15" W	Surficial placer deposits; buried-channel placer deposits
093A 115	Ant	Showing	Copper	093A05E	52 ° 24' 18" N	121° 32' 35" W	Alkalic porphyry Cu-Au
093A 208	Boulder	Showing	Copper, lead, silver, zinc	093A05E	52 ° 20' 00" N	121° 30' 40" W	1104; Epithermal Au-Ag-Cu; high sulphidation
093A 242	Beaver Lake Creek	Past producer	Gold	093A05E	52 ° 21' 38" N	121° 30' 20" W	Surficial placer deposits; buried-channel placer deposits
093A 016	Black Creek	Past producer	Gold	093A06E	52 ° 18' 45" N	121° 05' 34" W	Surficial placer deposits; buried-channel placer deposits
093A 048	Lo	Showing	Gold, copper	093A06E	52 ° 28' 50" N	121° 02' 13" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 079	Bren	Showing	Copper, gold, molybdenum	093A06E	52 ° 18' 44" N	121° 02' 18" W	Polymetallic veins Ag-Pb-Zn±Au; porphyry Cu ± Mo ± Au
093A 114	Corey	Showing	Copper	093A06E	52 ° 21' 38" N	121° 05' 34" W	Alkalic porphyry Cu-Au
093A 002	Pine	Showing	Copper, gold	093A06W	52 ° 20' 58" N	121° 14' 51" W	Alkalic porphyry Cu-Au
093A 042	Hobson's Horsefly	Past producer	Gold	093A06W	52 ° 23' 36" N	121° 24' 54" W	Surficial placer deposits; buried-channel placer deposits
093A 058	Redgold	Prospect	Copper, gold, zinc	093A06W	52 ° 27' 50" N	121° 29' 03" W	Alkalic porphyry Cu-Au
093A 064	Red	Showing	Copper	093A06W	52 ° 17' 48" N	121° 27' 11" W	Volcanic redbed Cu
093A 075	Mollat	Showing	Copper	093A06W	52 ° 17' 24" N	121° 26' 05" W	Volcanic redbed Cu
093A 077	Kwun Lake	Showing	Gold, copper	093A06W	52 ° 23' 53" N	121° 21' 13" W	Alkalic porphyry Cu-Au
093A 112	Hook	Showing	Copper	093A06W	52 ° 25' 58" N	121° 22' 19" W	Alkalic porphyry Cu-Au
093A 116	BM	Showing	Copper	093A06W	52 ° 25' 14" N	121° 22' 19" W	Alkalic porphyry Cu-Au
093A 134	Horsefly	Developed prospect	Silica, volcanic, ash	093A06W	52 ° 17' 24" N	121° 19' 32" W	Volcanic ash - pumice
093A 155	Beekeeper	Showing	Copper, gold, mercury	093A06W	52 ° 23' 40" N	121° 20' 24" W	Alkalic porphyry Cu-Au
093A 150	Frasergold	Developed prospect	Gold, silver, copper, zinc, lead	093A07E	52 ° 18' 20" N	120° 34' 43" W	Au-quartz veins; porphyry Cu ± Mo ± Au
093A 012	Zed	Showing	Copper	093A07W	52 ° 27' 32" N	120° 53' 06" W	Polymetallic veins Ag-Pb-Zn±Au
093A 092	Tcp 1	Showing	Gold	093A07W	52 ° 27' 18" N	120° 46' 11" W	Au-quartz veins
093A 096	McKee	Showing	Gold, copper	093A07W	52 ° 15' 01" N	120° 47' 37" W	Polymetallic veins Ag-Pb-Zn±Au
093A 117	Dor	Showing	Copper, gold	093A07W	52 ° 18' 14" N	120° 56' 15" W	Porphyry Cu ± Mo ± Au; polymetallic veins Ag-Pb-Zn±Au
093A 149	Doreen	Showing	Gold, copper, silver	093A07W	52 ° 17' 53" N	120° 55' 18" W	Polymetallic veins Ag-Pb-Zn±Au
093A 190	Offset Lake	Showing	Gold	093A07W	52 ° 17' 17" N	120° 49' 55" W	Au-quartz veins
093A 191	North Doreen	Showing	Copper, gold	093A07W	52 ° 18' 01" N	120° 55' 32" W	Polymetallic veins Ag-Pb-Zn±Au
093A 046	Eaglet	Developed prospect	Fluorite, molybdenum, strontium, silver, zinc, lead	093A10W	52 ° 34' 05" N	120° 58' 56" W	Barite-fluorite veins; L08; porphyry Mo (climax-type)
093A 193	Plate	Showing	Silver	093A11E	52 ° 33' 09" N	121° 07' 57" W	Polymetallic veins Ag-Pb-Zn±Au
093A 003	Providence	Past producer	Silver, lead, zinc, gold	093A11W	52 ° 38' 35" N	121° 25' 17" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 043	Spanish Mountain	Developed prospect	Gold, silver, lead, copper, zinc	093A11W	52 ° 35' 19" N	121° 27' 18" W	Au-quartz veins
093A 074	Hobson	Showing	Silver, copper, lead, gold	093A11W	52 ° 36' 18" N	121° 16' 52" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au

093A 143	Big Gulp	Showing	Zinc, copper, lead, silver	093A11W	52 ° 43' 40" N	121° 23' 24" W	Besshi massive sulphide Cu-Zn
093A 154	Trump	Showing	Silver, lead	093A11W	52 ° 38' 47" N	121° 26' 59" W	Polymetallic veins Ag-Pb-Zn±Au
093A 192	Spanish Mountain Placer	Showing	Gold	093A11W	52 ° 35' 15" N	121° 27' 18" W	Surficial placer deposits; buried channel placer deposits
093A 194	Duck	Showing	Copper, zinc, lead	093A11W	52 ° 43' 50" N	121° 28' 01" W	Polymetallic veins Ag-Pb-Zn±Au
093A 195	Hepburn Lake	Showing	Gold	093A11W	52 ° 36' 22" N	121° 29' 09" W	Au-quartz veins
093A 197	Dog	Showing	Gold	093A11W	52 ° 35' 35" N	121° 28' 44" W	Au-quartz veins
093A 217	Cedar Dam	Showing	Copper, zinc, gold	093A11W	52 ° 33' 59" N	121° 29' 03" W	Noranda/Kuroko massive sulphide Cu-Pb-Zn; polymetallic veins Ag-Pb-Zn±Au
093A 232	Rollie Creek	Past producer	Gold	093A11W	52 ° 43' 45" N	121° 27' 58" W	Surficial placer deposits
093A 152	Frank Creek	Prospect	Copper, lead, zinc, silver, gold	093A11W, 093A14W	52 ° 44' 52" N	121° 21' 41" W	Besshi massive sulphide Cu-Zn
093A 066	B	Showing	Copper	093A12E	52 ° 32' 41" N	121° 44' 08" W	Volcanic redbed Cu
093A 072	Joy	Showing	Copper, lead, gold, silver, zinc	093A12E	52 ° 34' 33" N	121° 31' 10" W	Polymetallic veins Ag-Pb-Zn±Au
093A 080	Murder Gulch Placer	Past producer	Gold	093A12E	52 ° 39' 41" N	121° 32' 15" W	Surficial placer deposits; buried channel placer deposits
093A 136	Shaw	Showing	Lead, zinc	093A12E	52 ° 40' 13" N	121° 39' 40" W	Polymetallic veins Ag-Pb-Zn±Au
093A 141	Cedar Creek	Past producer	Gold	093A12E	52 ° 34' 07" N	121° 30' 15" W	Surficial placer deposits; buried channel placer deposits
093A 160	Lloyd-Nordik	Developed prospect	Copper, gold	093A12E	52 ° 34' 17" N	121° 38' 41" W	Alkalic porphyry Cu-Au
093A 198	Westenhiser Creek	Showing	Gold	093A12E	52 ° 40' 30" N	121° 37' 45" W	Au-quartz veins
093A 202	Road Zone	Prospect	Copper, gold	093A12E	52 ° 34' 05" N	121° 38' 13" W	Alkalic porphyry Cu-Au
093A 207	ML	Prospect	Copper, molybdenum	093A12E	52 ° 41' 23" N	121° 42' 03" W	Porphyry Cu ± Mo ± Au
093A 213	Mac	Showing	Copper, gold	093A12E	52 ° 37' 54" N	121° 38' 28" W	Alkalic porphyry Cu-Au
093A 214	October East	Showing	Copper	093A12E	52 ° 38' 17" N	121° 39' 44" W	Alkalic porphyry Cu-Au
093A 215	Ora	Showing	Lead, silver, gold	093A12E	52 ° 41' 30" N	121° 34' 07" W	Polymetallic veins Ag-Pb-Zn±Au
093A 216	Hampton's Pit	Showing	Gold, zinc	093A12E	52 ° 35' 07" N	121° 31' 32" W	Alkalic porphyry Cu-Au
093A 218	Hazel	Showing	Copper	093A12E	52 ° 31' 52" N	121° 32' 10" W	Alkalic porphyry Cu-Au
093A 234	Poquette Creek	Past producer	Gold	093A12E	52 ° 36' 44" N	121° 32' 25" W	Surficial placer deposits
093A 235	Kangaroo Creek	Past producer	Gold	093A12E	52 ° 40' 33" N	121° 38' 41" W	Surficial placer deposits
093A 236	Lawless (Half Mile) Creek	Past producer	Gold	093A12E	52 ° 39' 17" N	121° 39' 33" W	Surficial placer deposits; buried channel placer deposits
093A 237	Rose Gulch	Past producer	Gold	093A12E	52 ° 38' 31" N	121° 38' 54" W	Surficial placer deposits; buried channel placer deposits
093A 238	Quesnel River	Past producer	Gold	093A12E	52 ° 37' 28" N	121° 37' 10" W	Surficial placer deposits; buried channel placer deposits
093A 069	Morehead Creek	Past Producer	Gold	093A12W	52 ° 38' 12" N	121° 47' 30" W	Surficial placer deposits; buried channel placer deposits
093A 118	ML	Showing	Copper	093A12W	52 ° 35' 42" N	121° 46' 47" W	Sediment-hosted Cu; alkalic porphyry Cu-Au
093A 119	Maud	Showing	Copper, gold	093A12W	52 ° 43' 31" N	121° 54' 48" W	Alkalic porphyry Cu-Au
093A 196	Little Lake	Showing	Gold	093A12W	52 ° 37' 24" N	121° 47' 26" W	Alkalic porphyry Cu-Au
093A 199	Kellin	Showing	Copper, silver	093A12W	52 ° 44' 50" N	121° 50' 43" W	Alkalic porphyry Cu-Au
093A 243	Birrell Creek	Past producer	Gold	093A12W	52 ° 40' 30" N	121° 56' 11" W	Surficial placer deposits; buried channel placer deposits

093A 153	Galleon	Showing	Silver, lead, copper, gold	093A13E	52° 58' 00" N	121° 42' 35" W	Polymetallic veins Ag-Pb-Zn±Au
093A 219	North Minerals Star	Showing	Jade/nephrite, asbestos	093A13E	52° 48' 27" N	121° 37' 30" W	Jade
093A 220	CAC 3	Showing	Copper	093A13E	52° 49' 26" N	121° 31' 16" W	Polymetallic veins Ag-Pb-Zn±Au
093A 244	Fontaine Creek	Past producer	Gold	093A13E	52° 58' 07" N	121° 44' 52" W	Surficial placer deposits
093A 245	Little Swift River	Past producer	Gold	093A13E	52° 56' 26" N	121° 40' 07" W	Surficial placer deposits
093A 246	Swift River	Past producer	Gold	093A13E	52° 53' 24" N	121° 42' 59" W	Surficial placer deposits
093A 140	Cariboo	Showing	Silica	093A13E, 093A14W, 093H04E	52° 58' 15" N	121° 29' 35" W	Silica veins
093A 013	Sovereign Creek	Developed prospect	Talc, nickel, silver, zinc, gold	093A13W	52° 59' 30" N	121° 53' 35" W	Ultramafic-hosted talc-magnesite; tholeiitic intrusion-hosted Ni-Cu
093A 130	Sovereign	Showing	Nickel, talc	093A13W	52° 59' 15" N	121° 51' 51" W	Ultramafic-hosted talc-magnesite; tholeiitic intrusion-hosted Ni-Cu
093A 221	Isasa	Showing	Nickel, chromium	093A13W	52° 59' 19" N	121° 57' 14" W	Tholeiitic intrusion-hosted Ni-Cu
093A 187	Lost Swede	Showing	Gold	093A13W, 093B16E	52° 55' 02" N	121° 58' 33" W	Buried-channel placer deposits
093A 068	MB	Showing	Lead, silver, gold	093A14E	52° 56' 53" N	121° 02' 05" W	Polymetallic veins Ag-Pb-Zn±Au
093A 087	Mae	Showing	Lead, zinc, copper	093A14E	52° 47' 05" N	121° 01' 37" W	Besshi massive sulphide Cu-Zn
093A 110	Maybe	Developed prospect	Zinc, lead, silver	093A14E	52° 50' 43" N	121° 11' 44" W	Irish-type carbonate-hosted Zn-Pb
093A 142	Ace	Prospect	Copper, gold, lead, zinc, silver	093A14E	52° 48' 24" N	121° 08' 57" W	Besshi massive sulphide Cu-Zn; Au-quartz veins
093A 148	Comin Throu Bear	Showing	Lead, zinc, silver, barite	093A14E	52° 53' 10" N	121° 04' 05" W	Mississippi Valley-type Pb-Zn; polymetallic veins Ag-Pb-Zn±Au
093A 081	Maeljord Lake	Past producer	Marble, dimension stone, building stone	093A14E, 093A15W	52° 47' 49" N	120° 59' 23" W	Dimension stone – marble; limestone
093A 145	Mt. Kimball	Showing	Limestone	093A14E, 093A15W, 093H03E	52° 57' 48" N	121° 03' 44" W	Limestone
093A 004	Keithley Creek	Producer	Gold	093A14W	52° 46' 33" N	121° 26' 23" W	Surficial placer deposits; buried-channel placer deposits
093A 005	Little Snowshoe Creek	Past producer	Gold	093A14W	52° 50' 50" N	121° 27' 58" W	Surficial placer deposits
093A 006	Cariboo Quartzite	Showing	Silica	093A14W	52° 54' 40" N	121° 17' 55" W	Silica sandstone
093A 021	Corban	Prospect	Gold, silver	093A14W	52° 50' 27" N	121° 26' 13" W	Au-quartz veins
093A 022	Homestake	Showing	Gold	093A14W	52° 50' 14" N	121° 24' 35" W	Au-quartz veins
093A 023	Sockett	Showing	Gold, lead, zinc	093A14W	52° 49' 49" N	121° 25' 51" W	Au-quartz veins
093A 024	French Snowshoe Creek	Past producer	Gold	093A14W	52° 50' 23" N	121° 24' 48" W	Surficial placer deposits; buried-channel placer deposits
093A 026	Luce Creek	Past producer	Gold	093A14W	52° 51' 24" N	121° 26' 21" W	Surficial placer deposits; buried-channel placer deposits
093A 027	Jane (L. 11338)	Prospect	Gold, silver, lead	093A14W	52° 51' 28" N	121° 25' 39" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 028	Talbot Veins	Showing	Gold	093A14W	52° 50' 44" N	121° 26' 33" W	Au-quartz veins
093A 029	Amparo	Showing	Tungsten, lead	093A14W	52° 50' 33" N	121° 24' 45" W	Au-quartz veins
093A 030	Old Timer (L. 11337)	Prospect	Gold, silver, lead	093A14W	52° 51' 28" N	121° 25' 39" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 031	Bertha (L. 11332)	Prospect	Gold	093A14W	52° 51' 42" N	121° 25' 42" W	Au-quartz veins
093A 032	Betty (L. 11335)	Showing	Gold, silver	093A14W	52° 51' 19" N	121° 26' 08" W	Au-quartz veins

093A 033	Saddle (L. 4668)	Prospect	Gold, lead, zinc, copper	093A14W	52 ° 50' 45" N	121° 25' 25" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 034	Lipsev Vein	Showing	Gold, lead, zinc	093A14W	52 ° 50' 52" N	121° 25' 05" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 035	Midas (L. 4670)	Past producer	Gold, silver, lead, zinc	093A14W	52 ° 50' 52" N	121° 25' 05" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 036	Boulder Ledge	Showing	Gold, lead	093A14W	52 ° 51' 48" N	121° 26' 05" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 037	Jim	Prospect	Gold, silver, lead, zinc	093A14W	52 ° 50' 42" N	121° 24' 51" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 038	Holmes Ledge	Prospect	Silver, gold, lead, tungsten, zinc, copper	093A14W	52 ° 53' 07" N	121° 27' 10" W	Au-quartz veins; intrusion-related Au pyrrhotite veins
093A 039	Monte Christo	Showing	Lead, zinc	093A14W	52 ° 50' 06" N	121° 24' 53" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 051	Hibernian	Prospect	Gold, silver, lead	093A14W	52 ° 54' 58" N	121° 21' 09" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 052	Gisco	Showing	Gold, lead	093A14W	52 ° 58' 07" N	121° 25' 11" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 053	Pitt 1	Showing	Copper, silver, gold	093A14W	52 ° 58' 12" N	121° 25' 11" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 054	Spitfire	Showing	Gold	093A14W	52 ° 59' 42" N	121° 25' 05" W	Au-quartz veins
093A 055	Zone	Showing	Gold	093A14W	52 ° 57' 56" N	121° 25' 53" W	Au-quartz veins
093A 056	Cariboo Canyon	Showing	Gold	093A14W	52 ° 58' 09" N	121° 25' 05" W	Au-quartz veins
093A 057	Pittman	Showing	Zinc, lead, silver	093A14W	52 ° 57' 47" N	121° 25' 15" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 060	Park	Showing	Lead, zinc, silver, gold	093A14W	52 ° 55' 04" N	121° 22' 07" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 070	Vic	Showing	Lead, zinc, silver	093A14W	52 ° 57' 08" N	121° 21' 30" W	Sedimentary exhalative Zn-Pb-Ag
093A 071	Cariboo Hudson	Past producer	Gold, silver, lead, zinc, tungsten	093A14W	52 ° 53' 19" N	121° 19' 42" W	Au-quartz veins; intrusion-related Au pyrrhotite veins; polymetallic veins Ag-Pb-Zn±Au
093A 090	Skarn	Past producer	Silver, gold, copper, lead, zinc, tungsten, antimony	093A14W	52 ° 54' 26" N	121° 19' 50" W	Polymetallic veins Ag-Pb-Zn±Au
093A 091	Cariboo Thompson	Past producer	Gold, silver, lead, zinc, tungsten	093A14W	52 ° 54' 26" N	121° 20' 42" W	Au-quartz veins; intrusion-related Au pyrrhotite veins
093A 093	Peter Gulch	Showing	Tungsten, lead, zinc	093A14W	52 ° 53' 40" N	121° 20' 22" W	Au-quartz veins; Pb-Zn skarn
093A 094	Crazy Creek	Past producer	Gold	093A14W	52 ° 54' 47" N	121° 21' 01" W	Surficial placer deposits
093A 095	International	Showing	Gold, lead, zinc	093A14W	52 ° 52' 10" N	121° 18' 34" W	Polymetallic veins Ag-Pb-Zn±Au
093A 098	Sylvain	Showing	Gold	093A14W	52 ° 48' 36" N	121° 20' 05" W	Au-quartz veins
093A 099	Plateau D'Or	Prospect	Silver, gold, lead, zinc	093A14W	52 ° 52' 03" N	121° 24' 21" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 100	Cornish Ledges	Prospect	Lead, silver	093A14W	52 ° 52' 34" N	121° 25' 01" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 101	Hebson Vein	Prospect	Gold, lead, zinc	093A14W	52 ° 52' 20" N	121° 26' 39" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 102	Taylor Tungsten	Prospect	Tungsten, lead, zinc	093A14W	52 ° 52' 24" N	121° 26' 47" W	Au-quartz veins; W veins
093A 103	Bralco	Showing	Gold, lead, zinc, copper	093A14W	52 ° 53' 42" N	121° 19' 24" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au; sedimentary exhalative Zn-Pb-Ag
093A 105	Slide	Showing	Gold, silver, zinc, lead	093A14W	52 ° 57' 05" N	121° 21' 35" W	Sedimentary exhalative Zn-Pb-Ag; Au-quartz veins
093A 106	Canadian	Showing	Gold, silver, lead, zinc	093A14W	52 ° 55' 20" N	121° 21' 40" W	Au-quartz veins; sedimentary exhalative Zn-Pb-Ag
093A 107	Sterling	Showing	Gold	093A14W	52 ° 52' 50" N	121° 20' 34" W	Au-quartz veins
093A 108	Cariboo - Nordine	Showing	Gold, lead	093A14W	52 ° 53' 36" N	121° 22' 45" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 109	Imperial	Prospect	Gold	093A14W	52 ° 52' 28" N	121° 25' 59" W	Au-quartz veins
093A 111	Sylvain/Langis	Showing	Gold	093A14W	52 ° 50' 15" N	121° 17' 28" W	Sedimentary exhalative Zn-Pb-Ag

093A 125	F.M. Wells	Showing	Gold	093A14W	52 ° 54' 11" N	121° 23' 36" W	Au-quartz veins
093A 126	Crystal	Prospect	Gold, silver, lead, zinc	093A14W	52 ° 52' 03" N	121° 24' 51" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 128	Gold Recoveries Ltd.	Showing	Lead	093A14W	52 ° 47' 03" N	121° 20' 19" W	Polymetallic veins Ag-Pb-Zn±Au
093A 129	Mount Burdett	Showing	Gold	093A14W	52 ° 58' 30" N	121° 29' 36" W	Au-quartz veins
093A 144	Roundtop Mountain Limestone	Showing	Limestone	093A14W	52 ° 55' 39" N	121° 16' 57" W	Limestone
093A 158	Cunningham Creek Barite	Prospect	Barite	093A14W	52 ° 55' 30" N	121° 20' 02" W	Sediment-hosted barite
093A 159	Vic Barite	Prospect	Barite	093A14W	52 ° 57' 05" N	121° 21' 34" W	Sediment-hosted barite
093A 161	Antler Creek	Past producer	Gold	093A14W	52 ° 58' 18" N	121° 25' 45" W	Buried-channel placer deposits
093A 165	Aster Ast-3-91	Showing	Gold, silver, lead	093A14W	52 ° 54' 05" N	121° 26' 13" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 166	Aster A-Y-5	Showing	Lead, silver	093A14W	52 ° 54' 26" N	121° 25' 48" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 167	Aster K0451	Showing	Lead, silver	093A14W	52 ° 54' 03" N	121° 25' 39" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 168	Aster K0452	Showing	Gold, silver, lead, zinc	093A14W	52 ° 53' 45" N	121° 25' 57" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 169	Aster TR22	Showing	Gold, silver, lead	093A14W	52 ° 53' 33" N	121° 25' 45" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 170	Ben	Showing	Lead, silver, copper, zinc	093A14W	52 ° 56' 00" N	121° 21' 15" W	Sedimentary exhalative Zn-Pb-Ag; polymetallic veins Ag-Pb-Zn±Au
093A 171	China Creek	Showing	Lead	093A14W	52 ° 59' 53" N	121° 24' 29" W	Polymetallic veins Ag-Pb-Zn±Au
093A 172	Copper Creek	Showing	Gold, silver, tungsten, lead	093A14W	52 ° 54' 19" N	121° 20' 26" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 173	DS 327	Showing	Gold, silver, lead	093A14W	52 ° 52' 03" N	121° 24' 59" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 174	DS 335	Showing	Lead, silver	093A14W	52 ° 52' 38" N	121° 25' 19" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 175	DS 336	Showing	Lead, silver	093A14W	52 ° 52' 25" N	121° 25' 15" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 176	Evening	Showing	Zinc, lead, silver	093A14W	52 ° 56' 43" N	121° 21' 38" W	Sedimentary exhalative Zn-Pb-Ag
093A 177	Fat Vein	Showing	Gold, silver, lead	093A14W	52 ° 53' 51" N	121° 26' 11" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 178	Moneta	Showing	Lead, zinc	093A14W	52 ° 53' 31" N	121° 20' 19" W	Polymetallic veins Ag-Pb-Zn±Au; Au-quartz veins
093A 179	North Simlock	Showing	Gold, silver, lead	093A14W	52 ° 52' 45" N	121° 19' 10" W	Polymetallic veins Ag-Pb-Zn±Au
093A 180	Nugget	Showing	Lead	093A14W	52 ° 58' 25" N	121° 24' 47" W	Polymetallic veins Ag-Pb-Zn±Au
093A 181	Pine	Showing	Lead, zinc	093A14W	52 ° 47' 55" N	121° 19' 57" W	Polymetallic veins Ag-Pb-Zn±Au
093A 182	Simlock Creek	Showing	Gold, silver, lead, copper	093A14W	52 ° 51' 23" N	121° 18' 30" W	Polymetallic veins Ag-Pb-Zn±Au
093A 183	Switchback	Showing	Gold, silver, lead	093A14W	52 ° 55' 21" N	121° 21' 30" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 184	Toby	Showing	Lead	093A14W	52 ° 59' 53" N	121° 23' 46" W	Polymetallic veins Ag-Pb-Zn±Au
093A 185	X-14	Showing	Lead, zinc	093A14W	52 ° 55' 16" N	121° 20' 01" W	Sedimentary exhalative Zn-Pb-Ag
093A 186	1500 and 1650 Trenches	Showing	Gold, lead	093A14W	52 ° 55' 30" N	121° 21' 37" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093A 222	Cunning	Showing	Lead, zinc	093A14W	52 ° 58' 54" N	121° 18' 32" W	Sedimentary exhalative Zn-Pb-Ag
093A 223	Harveys Creek	Past producer	Gold	093A14W	52 ° 50' 27" N	121° 16' 04" W	Buried-channel placer deposits
093A 224	NMG 26	Showing	Nickel, chromium	093A14W	52 ° 48' 59" N	121° 27' 57" W	Tholeiitic intrusion-hosted Ni-Cu

093A 225	Jl	Showing	Gold	093A14W	52 ° 48' 17" N	121° 27' 42" W	Au-quartz veins
093A 226	Gold	Showing	Gold	093A14W	52 ° 51' 46" N	121° 22' 54" W	Au-quartz veins
093A 227	McMartin Creek	Past producer	Gold	093A14W	52 ° 52' 24" N	121° 28' 27" W	Surficial placer deposits
093A 228	Barr Creek	Past producer	Gold	093A14W	52 ° 51' 40" N	121° 28' 46" W	Surficial placer deposits
093A 229	Weaver Creek	Past producer	Gold	093A14W	52 ° 47' 39" N	121° 27' 55" W	Surficial placer deposits
093A 230	Four Mile Creek	Past producer	Gold	093A14W	52 ° 46' 43" N	121° 26' 27" W	Surficial placer deposits
093A 231	Frank Creek	Past producer	Gold	093A14W	52 ° 45' 33" N	121° 22' 14" W	Surficial placer deposits
093A 233	Nigger (Pine) Creek	Past producer	Gold	093A14W	52 ° 47' 34" N	121° 19' 25" W	Surficial placer deposits
093A 239	Cunningham Creek	Past producer	Gold	093A14W	52 ° 58' 07" N	121° 21' 49" W	Surficial placer deposits
093A 240	Nugget Gulch	Past producer	Gold	093A14W	52 ° 57' 56" N	121° 24' 50" W	Surficial placer deposits
093A 241	Wolf Creek	Past producer	Gold	093A14W	52 ° 59' 46" N	121° 24' 34" W	Surficial placer deposits
093A 247	Wolf	Showing	Lead, silver	093A14W	52 ° 59' 47" N	121° 24' 35" W	Polymetallic veins Ag-Pb-Zn±Au
093A 248	Wolf 17	Showing	Lead, zinc	093A14W	52 ° 55' 57" N	121° 21' 53" W	Sedimentary exhalative Zn-Pb-Ag
093A 104	Antler Mountain	Showing	Gold, lead, zinc	093A14W, 093H03W	52 ° 59' 55" N	121° 26' 58" W	Au-quartz veins
093A 050	Lam	Showing	Lead, zinc	093A15W	52 ° 49' 43" N	120° 57' 15" W	Polymetallic veins Ag-Pb-Zn±Au
093A 065	Grizzly Lake	Prospect	Lead, zinc	093A15W	52 ° 48' 45" N	120° 54' 10" W	Mississippi Valley-type Pb-Zn
093B 051	Sawmill	Developed prospect	Copper, molybdenum	093B08W	52 ° 28' 05" N	122° 16' 24" W	Porphyry Cu ± Mo ± Au
093B 058	Bud 7	Showing	Copper, molybdenum	093B08W	52 ° 29' 30" N	122° 15' 35" W	Porphyry Cu ± Mo ± Au; Cu skarn
093B 067	Susie Q	Showing	Gold	093B08W	52 ° 26' 05" N	122° 24' 05" W	Buried-channel placer deposits, surficial placer deposits
093B 052	Granite Mountain	Showing	Copper, molybdenum	093B09E	52 ° 32' 00" N	122° 13' 05" W	Porphyry Cu ± Mo ± Au
093B 063	Chris	Showing	Copper	093B09E	52 ° 33' 25" N	122° 12' 53" W	Porphyry Cu ± Mo ± Au
093B 068	Catalan Copper	Showing	Copper, molybdenum	093B09E	52 ° 30' 31" N	122° 10' 44" W	Porphyry Cu ± Mo ± Au
093B 061	Bysouth	Showing	Copper	093B09W	52 ° 37' 00" N	122° 18' 10" W	Porphyry Cu ± Mo ± Au
093B 062	Riek	Showing	Copper, zinc, molybdenum, gold	093B09W	52 ° 32' 21" N	122° 19' 01" W	Porphyry Cu ± Mo ± Au
093B 023	Lot 906	Past producer	Diatomite	093B15E	52 ° 57' 37" N	122° 32' 19" W	Lacustrine diatomite
093B 064	Cantin Creek	Prospect	Gold	093B16E	52 ° 55' 21" N	122° 10' 21" W	Au-quartz veins
093B 069	Buckshot 2	Showing	Gold	093B16E	52 ° 58' 44" N	122° 02' 07" W	Buried-channel placer deposits
093B 070	Sovereign Creek	Past producer	Gold	093B16E	52 ° 58' 58" N	122° 01' 42" W	Surficial placer deposits
093B 018	Quesnel Canyon	Developed prospect	Gold	093B16W	52 ° 59' 37" N	122° 21' 16" W	Surficial placer deposits
093H 066	Iltzul Ridge	Showing	Limestone, dolomite	093H03E	53 ° 07' 38" N	121° 12' 59" W	Limestone
093H 071	Babcock Lake	Showing	Zinc, silver, copper	093H03E	53 ° 00' 46" N	121° 13' 42" W	Sedimentary exhalative Zn-Pb-Ag; polymetallic veins Ag-Pb-Zn±Au
093H 138	Bill	Showing	Silver, lead, zinc	093H03E	53 ° 03' 31" N	121° 31' 21" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 008	Grouse Creek	Past producer	Gold	093H03W	53 ° 02' 13" N	121° 26' 56" W	Surficial placer deposits; buried-channel placer deposits
093H 009	Canadian Creek	Past producer	Gold	093H03W	53 ° 03' 38" N	121° 27' 39" W	Surficial placer deposits; buried-channel placer deposits

093H 021	Prosperine	Prospect	Gold, silver, lead, zinc	093H03W	53 ° 02' 28" N	121° 29' 49" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 029	Dowsett	Showing	Tungsten	093H03W	53 ° 00' 08" N	121° 24' 54" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 048	Warspite	Prospect	Gold, silver, lead, zinc	093H03W	53 ° 01' 57" N	121° 29' 10" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 049	Tipperary	Showing	Silver, gold, lead	093H03W	53 ° 01' 42" N	121° 29' 15" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 050	Kitchener	Prospect	Gold, silver, lead, zinc	093H03W	53 ° 01' 37" N	121° 28' 54" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 051	Independence	Prospect	Gold, silver, lead	093H03W	53 ° 01' 28" N	121° 28' 36" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 052	Hard Cash	Prospect	Gold, lead	093H03W	53 ° 01' 15" N	121° 28' 05" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 063	Summit Creek	Past producer	Gold	093H03W	53 ° 11' 50" N	121° 27' 30" W	Surficial placer deposits; buried-channel placer deposits
093H 125	Little Valley Creek	Past producer	Gold	093H03W	53 ° 05' 49" N	121° 29' 05" W	Surficial placer deposits; buried-channel placer deposits
093H 126	French Creek	Past producer	Gold	093H03W	53 ° 04' 03" N	121° 28' 32" W	Surficial placer deposits; buried-channel placer deposits
093H 127	Guyet Placer	Past producer	Gold	093H03W	53 ° 02' 15" N	121° 24' 57" W	Surficial placer deposits; buried-channel placer deposits
093H 128	Stevens Gulch	Past producer	Gold	093H03W	53 ° 00' 37" N	121° 24' 25" W	Surficial placer deposits
093H 129	Californita Gulch	Past producer	Gold	093H03W	53 ° 00' 19" N	121° 24' 23" W	Surficial placer deposits
093H 142	Dufferin	Prospect	Gold, silver, lead	093H03W	53 ° 01' 00" N	121° 28' 11" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 148	Placer Pit South	Showing	Gold, silver, lead	093H03W	53 ° 01' 34" N	121° 28' 00" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 151	St. Lawrence Creek	Showing	Gold	093H03W	53 ° 02' 07" N	121° 26' 19" W	Surficial placer deposits; buried-channel placer deposits
093H 152	Grouse Creek	Showing	Gold	093H03W	53 ° 01' 60" N	121° 27' 57" W	Au-quartz veins
093H 067	Cunningham Pass	Showing	Limestone, dolomite	093H03W, 093H04E	53 ° 04' 40" N	121° 26' 16" W	Limestone
093H 147	Pin Money	Showing	Silver, lead	093H04E	53 ° 02' 49" N	121° 29' 52" W	Polymetallic veins Ag-Pb-Zn±Au
093H 025	Myrtle	Prospect	Gold	093H04E	53 ° 04' 36" N	121° 32' 45" W	Au-quartz veins
093H 027	Black Jack	Past producer	Gold, lead	093H04E	53 ° 03' 45" N	121° 31' 15" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 034	Morning Star	Showing	Gold, lead	093H04E	53 ° 04' 02" N	121° 31' 43" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 058	Canusa	Prospect	Gold, lead, zinc, bismuth	093H04E	53 ° 04' 13" N	121° 32' 52" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 078	Black Bull	Prospect	Gold	093H04E	53 ° 04' 25" N	121° 33' 15" W	Au-quartz veins
093H 079	Steadman	Showing	Gold, copper, lead, zinc	093H04E	53 ° 03' 12" N	121° 31' 13" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 080	Pani	Showing	Silver, lead, zinc	093H04E	53 ° 02' 20" N	121° 30' 46" W	
093H 117	McArthur Gulch	Past producer	Gold	093H04E	53 ° 05' 43" N	121° 32' 00" W	Surficial placer deposits; buried-channel placer deposits
093H 118	Lowhee Creek	Past producer	Gold	093H04E	53 ° 04' 34" N	121° 33' 26" W	Buried-channel placer deposits; surficial placer deposits
093H 119	Williams Creek	Past producer	Gold	093H04E	53 ° 03' 44" N	121° 31' 21" W	Buried-channel placer deposits; surficial placer deposits
093H 120	Stouts Gulch	Past producer	Gold	093H04E	53 ° 04' 02" N	121° 32' 25" W	Surficial placer deposits; buried-channel placer deposits

093H 121	Emory Gulch	Past producer	Gold	093H04E	53 ° 03' 56" N	121° 32' 40" W	Surficial placer deposits; buried-channel placer deposits
093H 122	Conklin Gulch	Past producer	Gold	093H04E	53 ° 03' 49" N	121° 30' 44" W	Buried-channel placer deposits
093H 123	Walker Gulch	Past producer	Gold	093H04E	53 ° 03' 06" N	121° 31' 25" W	Surficial placer deposits; buried-channel placer deposits
093H 124	Mink Gulch	Past producer	Gold	093H04E	53 ° 02' 37" N	121° 31' 09" W	Surficial placer deposits
093H 137	Bald	Showing	Silver, lead	093H04E	53 ° 00' 26" N	121° 30' 39" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 139	B.C. Vein	Past producer	Gold, lead, zinc, copper, bismuth	093H04E	53 ° 04' 29" N	121° 33' 02" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 140	Bonanza Ledge	Developed prospect	Gold, lead, zinc, copper	093H04E	53 ° 04' 18" N	121° 32' 48" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 141	Cariboo	Showing	Gold, silver, lead	093H04E	53 ° 04' 25" N	121° 32' 20" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 144	Home Rule	Showing	Silver, gold, zinc, lead	093H04E	53 ° 04' 20" N	121° 31' 26" W	Polymetallic veins Ag-Pb-Zn±Au
093H 146	King Fraction	Showing	Gold, silver, lead	093H04E	53 ° 02' 50" N	121° 30' 57" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 149	Sergeant Lindsay	Showing	Silver	093H04E	53 ° 02' 23" N	121° 32' 22" W	Au-quartz veins
093H 150	Victory	Showing	Gold, silver, lead	093H04E	53 ° 02' 51" N	121° 30' 17" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
093H 061	R.I.	Showing	Nickel, chromium	093H04W	53 ° 00' 48" N	121° 54' 09" W	Tholeiitic intrusion-hosted Ni-Cu
093J 025	Giscome	Producer	Limestone	093J01W	54 ° 03' 40" N	122° 17' 39" W	Limestone
093J 024	Windy	Showing	Copper, gold, palladium	093J13W	54 ° 56' 27" N	123° 50' 06" W	Alkalic porphyry Cu-Au
093J 023	Ruby	Showing	Gold, silver, lead	093J14W	54 ° 56' 54" N	123° 17' 58" W	Epithermal Au-Ag; low sulphidation
093K 048	Calex	Showing	Mercury	093K08E	54 ° 29' 28" N	124° 08' 20" W	Almaden Hg; silica-Hg carbonate
093K 012	Murray Ridge	Showing	Chromium	093K09E	54 ° 31' 53" N	124° 11' 30" W	Podiform chromite
093K 020	Max	Showing	Copper, gold	093K16E	54 ° 55' 30" N	124° 03' 29" W	Alkalic porphyry Cu-Au
093N 207	KBE	Showing	Copper, gold	093K16E, 093N01E	55 ° 00' 27" N	124° 24' 09" W	Alkalic porphyry Cu-Au
093K 004	HA-1	Showing	Copper	093K16W	54 ° 51' 21" N	124° 18' 25" W	Unknown
093K 077	Dem	Showing	Arsenic, gold, silver	093K16W	54 ° 45' 06" N	124° 26' 48" W	Au skarn
093K 080	Tas	Prospect	Gold, copper	093K16W	54 ° 54' 17" N	124° 18' 38" W	Alkalic porphyry Cu-Au
093K 083	Lynx	Showing	Copper	093K16W	54 ° 51' 13" N	124° 04' 13" W	Cu Skarn
093K 086	K-2	Showing	Copper, silver	093K16W	54 ° 55' 18" N	124° 06' 00" W	Cu±Ag quartz veins
093K 091	Free Gold Zone	Showing	Gold, copper	093K16W	54 ° 53' 32" N	124° 19' 30" W	Alkalic porphyry Cu-Au
093N 194	Mount Milligan	Developed prospect	Gold, copper, silver, lead, zinc, molybdenum	093N01E	55 ° 07' 26" N	124° 01' 39" W	Alkalic porphyry Cu-Au
093N 096	Taylor	Showing	Copper, gold	093N01W	55 ° 07' 01" N	124° 25' 20" W	Cu skarn; Au skarn
093N 131	Webb	Showing	Copper	093N01W	55 ° 06' 48" N	124° 20' 03" W	Porphyry Cu ± Mo ± Au; alkalic porphyry Cu-Au
093N 141	Wit	Developed prospect	Zinc, lead, silver, gold	093N01W	55 ° 12' 52" N	124° 26' 57" W	Epithermal Au-Ag; low sulphidation
093N 218	Cas	Showing	Copper	093N01W	55 ° 04' 17" N	124° 27' 49" W	Alkalic porphyry Cu-Au
093N 104	SRM	Prospect	Copper, gold	093N01W, 093N02E	55 ° 14' 01" N	124° 31' 21" W	Alkalic porphyry Cu-Au
093N 208	Rig Breccia	Showing	Zinc, copper, silver, gold, lead	093N01W, 093N02E	55 ° 12' 21" N	124° 30' 22" W	Epithermal Au-Ag; low sulphidation
093N 209	GG	Showing	Copper, lead, zinc	093N01W, 093N02E	55 ° 13' 06" N	124° 30' 28" W	Polymetallic veins Ag-Pb-Zn±Au
093N 219	WN	Showing	Copper	093N01W, 093N02E	55 ° 08' 22" N	124° 29' 31" W	Alkalic porphyry Cu-Au
093N 083	Creek	Showing	Copper, gold	093N02E	55 ° 12' 39" N	124° 32' 08" W	Alkalic porphyry Cu-Au
093N 084	Moss	Showing	Copper, gold, lead	093N02E	55 ° 08' 19" N	124° 32' 03" W	Alkalic porphyry Cu-Au; Cu skarn

093N 140	Skook	Prospect	Gold, silver, copper, zinc, lead	093N02E	55 ° 12' 00" N	124° 31' 42" W	Alkalic porphyry Cu-Au
093N 164	Witch	Showing	Copper	093N02E	55 ° 08' 58" N	124° 31' 28" W	Alkalic porphyry Cu-Au
093N 101	Col	Developed prospect	Copper, gold	093N02E, 093N02W, 093N07E, 093N07W	55 ° 14' 57" N	124° 45' 33" W	Alkalic porphyry Cu-Au
093N 079	Jean	Developed prospect	Copper, molybdenum, silver, gold	093N02W	55 ° 06' 18" N	124° 57' 22" W	Porphyry Cu ± Mo ± Au
093N 091	Nighthawk	Prospect	Copper, gold, silver	093N02W	55 ° 11' 03" N	124° 51' 46" W	Alkalic porphyry Cu-Au
093N 092	Vector	Prospect	Copper, gold, silver	093N02W	55 ° 12' 06" N	124° 53' 19" W	Alkalic porphyry Cu-Au
093N 139	Mid	Showing	Copper, gold, silver	093N02W	55 ° 11' 41" N	124° 52' 50" W	Alkalic porphyry Cu-Au
093N 185	Gibson	Prospect	Gold, silver, lead, zinc, copper	093N02W	55 ° 10' 13" N	124° 53' 42" W	Polymetallic veins Ag-Pb-Zn±Au; epithermal Au-Ag-Cu; high sulphidation
093N 068	Falcon	Prospect	Copper, molybdenum, lead	093N03E	55 ° 12' 16" N	125° 05' 41" W	Alkalic porphyry Cu-Au
093N 069	Fal	Showing	Copper, zinc, lead, silver, arsenic	093N03E	55 ° 12' 30" N	125° 04' 11" W	Alkalic porphyry Cu-Au
093N 071	Heath #3	Showing	Copper, silver, gold	093N03E, 093N06E	55 ° 16' 01" N	125° 08' 54" W	Alkalic porphyry Cu-Au
093N 072	Heath #1	Prospect	Copper, silver, gold, lead, zinc	093N03E, 093N06E	55 ° 16' 15" N	125° 09' 46" W	Alkalic porphyry Cu-Au
093N 112	Rottracker Creek	Showing	Copper, gold, silver	093N06E	55 ° 24' 10" N	125° 11' 41" W	Alkalic porphyry Cu-Au
093N 160	Hal 4	Showing	Copper, silver	093N06E	55 ° 24' 24" N	125° 10' 47" W	Alkalic porphyry Cu-Au
093N 019	Kwanika	Showing	Mercury, arsenic	093N06W	55 ° 29' 01" N	125° 19' 18" W	Almaden IIg; silica-IIg carbonate
093N 159	Chuchi Lake	Developed prospect	Copper, gold	093N07E	55 ° 15' 47" N	124° 32' 43" W	Alkalic porphyry Cu-Au
093N 210	Gertie	Showing	Copper, silver	093N07E	55 ° 18' 26" N	124° 44' 12" W	Volcanic redbed Cu
093N 032	Klawli	Prospect	Copper, gold, silver	093N07W	55 ° 17' 29" N	124° 46' 56" W	Cu±Ag quartz veins; alkalic porphyry Cu-Au
093N 053	Valleau Creek	Showing	Gold	093N07W	55 ° 28' 42" N	124° 55' 15" W	Surficial placer deposits
093N 085	Aplite Creek	Prospect	Copper, gold	093N07W	55 ° 19' 25" N	124° 52' 46" W	Alkalic porphyry Cu-Au
093N 111	Valley Girl	Showing	Gold, copper	093N07W	55 ° 28' 18" N	124° 57' 00" W	Au-quartz veins
093N 169	Sooner	Showing	Molybdenum	093N07W	55 ° 19' 12" N	124° 54' 18" W	Alkalic porphyry Cu-Au
093N 215	Wudtisi	Showing	Copper	093N07W	55 ° 27' 55" N	124° 53' 55" W	Porphyry Cu ± Mo ± Au
093N 006	KC	Showing	Copper	093N11E	55 ° 31' 08" N	125° 08' 36" W	Alkalic porphyry Cu-Au
093N 067	Tak	Prospect	Copper, gold, silver	093N11E, 093N11W	55 ° 42' 13" N	125° 14' 46" W	Alkalic porphyry Cu-Au
093N 009	Lustdust	Developed prospect	Silver, zinc, lead, gold, antimony, copper	093N11W	55 ° 33' 57" N	125° 24' 52" W	J01:Polymetallic manto Ag-Pb-Zn; polymetallic veins Ag-Pb-Zn±Au
093N 015	Snell	Showing	Mercury, antimony	093N11W	55 ° 40' 33" N	125° 26' 57" W	Almaden IIg; silica-IIg carbonate
093N 073	Swan	Developed prospect	Copper, gold, molybdenum	093N11W	55 ° 30' 27" N	125° 20' 00" W	Porphyry Cu ± Mo ± Au
093N 082	Takla-Rainbow	Developed prospect	Gold, silver, copper, lead, zinc	093N11W	55 ° 39' 44" N	125° 18' 18" W	Porphyry Cu ± Mo ± Au
093N 001	Misty	Developed prospect	Copper	093N13E	55 ° 54' 57" N	125° 30' 49" W	Alkalic porphyry Cu-Au
093N 065	Mariposite	Showing	Mercury	093N13E	55 ° 52' 37" N	125° 42' 47" W	Almaden Hg; silica-Hg carbonate
093N 171	Haw	Showing	Copper	093N13E	55 ° 58' 54" N	125° 42' 01" W	Alkalic porphyry Cu-Au
093N 093	Tam	Developed prospect	Copper, silver	093N13E, 093N14W	55 ° 58' 19" N	125° 30' 14" W	Alkalic porphyry Cu-Au
093N 002	Lorraine	Developed prospect	Copper, gold, silver	093N14W	55 ° 55' 40" N	125° 26' 27" W	Alkalic porphyry Cu-Au
093N 005	Rhonda	Developed prospect	Copper	093N14W	55 ° 54' 48" N	125° 17' 30" W	Alkalic porphyry Cu-Au
093N 007	Dorothy	Prospect	Copper, molybdenum, zinc, lead, gold	093N14W	55 ° 53' 07" N	125° 20' 15" W	Alkalic porphyry Cu-Au
093N 066	Bishop	Prospect	Copper, gold	093N14W	55 ° 55' 12" N	125° 25' 21" W	Alkalic porphyry Cu-Au

093N 074	Elizabeth	Showing	Copper	093N14W	55 ° 52' 33" N	125° 19' 41" W	Alkalic porphyry Cu-Au
093N 097	Steelhead	Showing	Copper	093N14W	55 ° 58' 34" N	125° 24' 05" W	Alkalic porphyry Cu-Au
093N 105	Fox	Showing	Copper	093N14W	55 ° 55' 25" N	125° 19' 47" W	Alkalic porphyry Cu-Au
093N 223	Mackenzie	Prospect	Copper, gold, silver	093N14W	55 ° 49' 52" N	125° 19' 57" W	Alkalic porphyry Cu-Au
093N 225	All Alone Dome	Prospect	Copper	093N14W	55 ° 56' 13" N	125° 27' 60" W	Alkalic porphyry Cu-Au
093O 044	Royer Lake	Showing	Iron, magnetite	093O03E	55 ° 03' 30" N	123° 12' 16" W	Magmatic Fe-Ti±V oxide deposits
093O 048	LS1	Developed prospect	Limestone	093O03E	55 ° 10' 12" N	123° 13' 00" W	Limestone
093O 047	Sparky	Developed prospect	Limestone	093O04W	55 ° 03' 04" N	123° 46' 43" W	Limestone
093O 051	Nat	Showing	Gold, platinum	093O05E	55 ° 20' 17" N	123° 42' 53" W	M05:Alaskan-type Pt+Os+Rh+Ir
094C 019	Pluto	Showing	Copper, gold	094C03W	56 ° 08' 24" N	125° 24' 11" W	Polymetallic veins Ag-Pb-Zn±Au
094C 020	Thane	Showing	Copper, gold	094C03W	56 ° 07' 18" N	125° 23' 23" W	Polymetallic veins Ag-Pb-Zn±Au
094C 044	Thane Creek	Showing	Mercury	094C03W	56 ° 06' 58" N	125° 21' 46" W	Silica-Hg carbonate
094C 069	Cat	Prospect	Gold, copper, silver	094C03W	56 ° 03' 44" N	125° 22' 14" W	Alkalic porphyry Cu-Au
094C 071	Oy	Showing	Copper	094C03W	56 ° 12' 51" N	125° 25' 57" W	Alkalic porphyry Cu-Au
094C 100	Kiwi	Showing	Copper	094C03W	56 ° 04' 22" N	125° 21' 31" W	Alkalic porphyry Cu-Au
094C 018	Matetlo	Showing	Copper	094C04E	56 ° 12' 26" N	125° 36' 48" W	Cu±Ag quartz veins; alkalic porphyry Cu-Au
094C 112	DM	Showing	Copper	094C04E	56 ° 12' 06" N	125° 32' 17" W	Alkalic porphyry Cu-Au
094C 113	Yak	Showing	Copper	094C04E	56 ° 12' 35" N	125° 36' 00" W	Alkalic porphyry Cu-Au; Cu±Ag quartz veins
094C 114	Koala	Showing	Copper	094C04E	56 ° 12' 42" N	125° 36' 20" W	Alkalic porphyry Cu-Au; Cu±Ag quartz veins
094C 115	Intrepid	Showing	Copper	094C04E	56 ° 12' 36" N	125° 39' 10" W	Alkalic porphyry Cu-Au; Cu±Ag quartz veins
094C 116	Bill	Showing	Copper, gold	094C04E	56 ° 12' 59" N	125° 39' 28" W	Alkalic porphyry Cu-Au; Cu±Ag quartz veins
094C 117	Yeti	Showing	Copper	094C04E	56 ° 14' 00" N	125° 39' 28" W	Porphyry-related Au
094C 118	Dragon	Showing	Copper	094C04E	56 ° 13' 07" N	125° 35' 39" W	Alkalic porphyry Cu-Au
094C 138	Hawk (Ad)	Prospect	Gold, copper, lead, zinc	094C04E	56 ° 02' 07" N	125° 40' 26" W	Polymetallic veins Ag-Pb-Zn±Au; Au-quartz veins
094C 139	Hawk (Radio)	Prospect	Gold, copper	094C04E	56 ° 01' 22" N	125° 40' 06" W	Cu±Ag quartz veins
094C 140	Hawk (HSW)	Showing	Gold, copper	094C04E	56 ° 01' 40" N	125° 42' 17" W	Au-quartz veins; polymetallic veins Ag-Pb-Zn±Au
094C 136	Tut 6	Showing	Copper, gold, silver	094C05E	56 ° 15' 32" N	125° 43' 27" W	Alkalic porphyry Cu-Au
094C 137	Tut 3	Showing	Gold, silver, copper, molybdenum	094C05E	56 ° 16' 50" N	125° 40' 09" W	Alkalic porphyry Cu-Au
094C 146	Choice	Showing	Copper	094C05E	56 ° 16' 09" N	125° 39' 11" W	Alkalic porphyry Cu-Au
094C 147	Ache	Showing	Copper	094C05E	56 ° 15' 24" N	125° 41' 34" W	Alkalic porphyry Cu-Au
094C 120	CR	Showing	Copper	094C06W	56 ° 15' 15" N	125° 24' 03" W	Volcanic redbed Cu
094C 121	Nuthatch	Showing	Copper	094C06W	56 ° 15' 33" N	125° 25' 15" W	Volcanic redbed Cu

include comprehensive geological descriptions, mineralogy, deposit type, bibliography, work histories, resource and/or reserve statistics and analytical results and are available through MINFILE.

Study Area

The MINFILE update area covers the QUEST project area within the Interior Plateau of central British Columbia, which includes parts of NTS 093A, B, G, H, J, K, N, O and 094C, D (Figure 1). The southern half of the project area covers mainly the Quesnel Highland and Cariboo plateau physiographic regions, whereas the northern half covers the Nechako Basin and part of the Omineca Mountains. The project area extends from Williams Lake in the southeast to

Germanen Landing in the northwest and is about 520 km long and 80 km wide. Prince George is located at the approximate project centre and Highway 97 transects the area in a north-south orientation, with Highway 16 providing east-west corridor access (Figures 2, 3).

The central portion of the project area covers predominantly Quesnel Terrane rocks. The Quesnel Terrane is generally bound to the east by the Kootenay, Slide Mountain and Cariboo terranes. To the west are Cache Creek and Overlap Assemblage terranes. To date, the principal exploration focus has been on porphyry copper and copper-gold prospects in the Quesnel and eastern Stikine terranes. In addition to porphyry copper-gold deposits (Kwanika, Lorraine-Jajay, Mount Milligan), other important targets

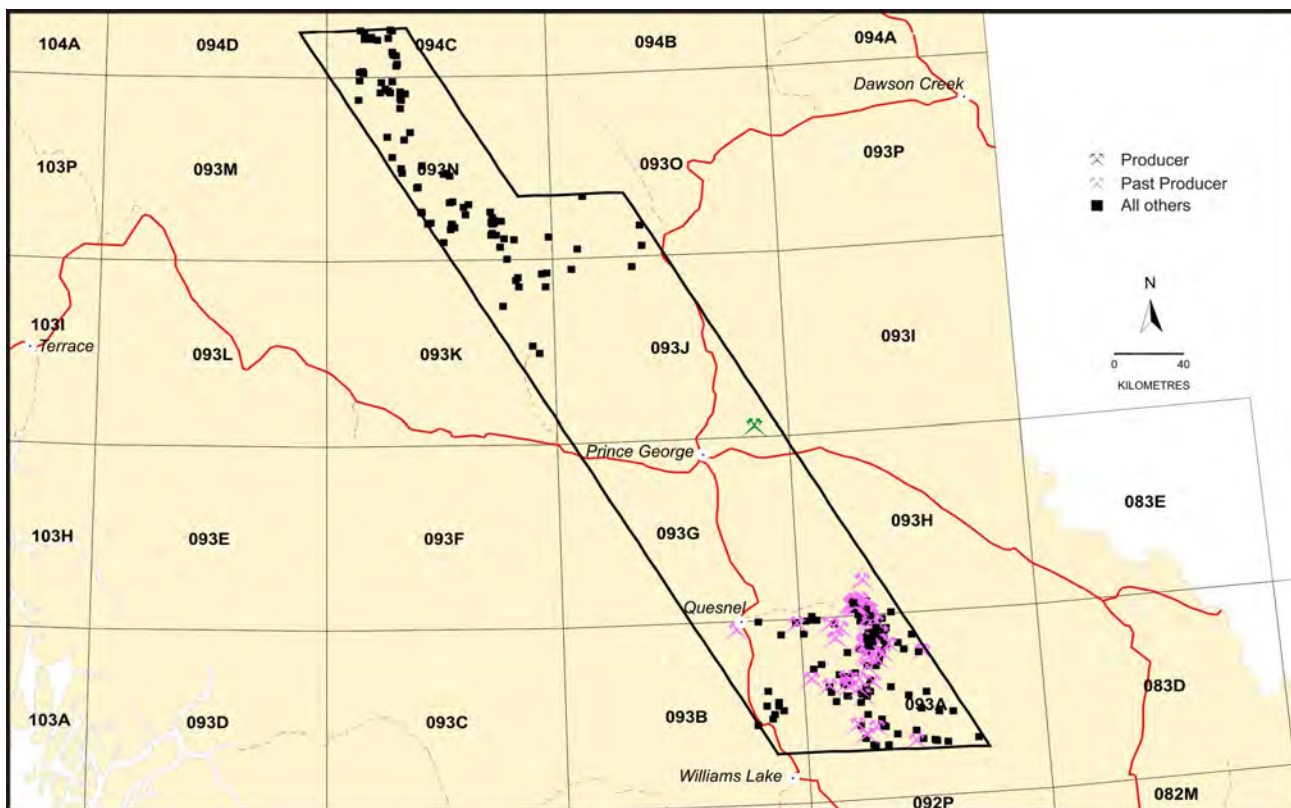


Figure 2. MINFILE occurrences updated in the QUEST geophysical survey area, British Columbia.

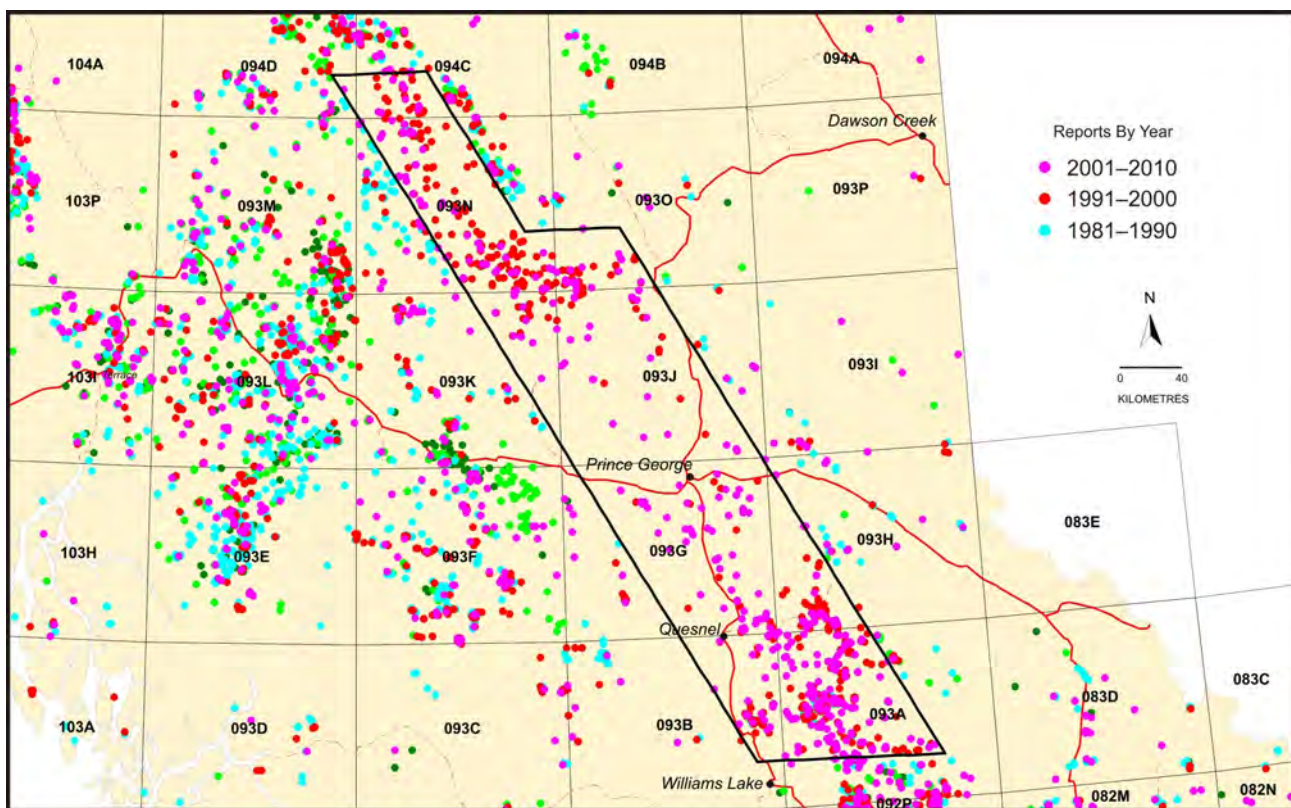


Figure 3. Assessment reports reviewed from the QUEST geophysical survey area, British Columbia.

are porphyry copper-molybdenum (Jean), sediment-hosted gold (Spanish Mountain), volcanogenic massive sulphide (Frank Creek), skarn (QR, Lustdust), polymetallic massive sulphide veins (G-South) and mesothermal gold-quartz vein deposits (Bonanza Ledge, Frasergold). Placer gold exploration and mining is also a significant traditional activity within this region (DeGrace, 2008). Production continues at two open-pit metal mines in the project area—Gibraltar (porphyry-copper-molybdenum) producing copper and molybdenum, and Mount Polley (alkalic porphyry copper-gold) producing copper, gold and silver. Both mines have experienced many years of successful operation. The QR mine began underground production from its gold skarn deposit near Likely, phasing out its previous open pit (International Wayside Gold Mines Ltd., 2009). However, operations at the mine have resulted in lower-than-expected ore production and grade, and the mine is currently closed.

Other mining activity includes a small limestone quarry about 5 km southeast of Giscome that appears to have been inactive in 2008, but made shipments from stockpiled material. Within the community of Giscome itself, the Canadian National Railway Company continued production from its basalt quarry to supply road ballast requirements for maintenance of its main and spur lines (DeGrace, 2008).

Following eight years of steady increases in exploration expenditures in the QUEST project area, the total amount in 2008 (\$70 million) was down slightly from that in 2007 (\$81 million) but still well above 2006 levels (\$41 million). Likewise, drilling activity in 2008 (186 280 m) was down from 2007 (216 380 m) but still high compared to other recent years (Lane, 2006; DeGrace, 2007, 2008).

Exploration highlights in the project area include grass-roots, early-stage exploration and advanced-stage exploration/deposit appraisal categories. Some highlights include, from north to south, Tam, Misty, Lorraine-Jajay, Lustdust, Kwanika, Falcon, Jean, Mount Milligan, G-South, Mouse Mountain, Bonanza Ledge, Frank Creek, Spanish Mountain and Frasergold (see Table 1). The Mount Milligan copper-gold mine project is in an advanced stage of development and has received an environmental assessment (EA) certificate (Environmental Assessment Office, 2009).

Methodology

The MINFILE update process consists of gathering information necessary for the complete coding of a new occurrence or revision, modification or even deletion of a pre-existing occurrence. These occurrences, which may include mineral, coal or industrial mineral categories, are updated by accessing, researching, compiling, interpreting and inputting geoscientific data into the BC Geological Survey's mineral and coal inventory file (MINFILE). Each updated occurrence has a textual description of mineral and geological information and work history, and a complete bibliog-

raphy; all critical searchable data fields are populated with the appropriate information. The MapPlace (BC Geological Survey, 2009c; <http://www.MapPlace.ca>) in conjunction with the Ministry's MINFILE and ARIS (BC Geological Survey, 2009d; <http://aris.empr.gov.bc.ca/>) databases and other appropriate information and online databases are important repositories that facilitate the quality and timeliness of the update process. The accuracy and quality of the coding and editing are done in accordance to the standards described in MINFILE documentation (BC Geological Survey, 2007) and the British Columbia Geological Survey Branch Style Guide (Grant and Newell, 1992). Information sources include assessment reports, current fieldwork, open files and reports, geoscience maps, *Geological Fieldwork* and *Exploration in British Columbia* publications, bulletins, papers, press material, Minister of Mines Annual Reports, Property File, maps, miscellaneous reports and theses, in addition to communicating with BC Geological Survey staff with expertise in the map areas. References are made to Geological Survey of Canada maps, reports, papers and other appropriate material and publications, which are available in the BC Geological Survey records housed in the Jack Davis Building library, Victoria, BC.

The completed work is submitted through the MINFILE online coding form accessed with permission of the BC Geological Survey. The deliverable is updated data integrated into the MINFILE database system, which is available for immediate public and industry use.

Summary

The MINFILE data that resulted from the 2008 QUEST project initiative will stimulate mineral exploration by presenting updated geological information for an area of the province that is considered to have a high potential for future discoveries of copper and copper-gold deposits, such as those at the Gibraltar and Mount Polley mines, and the Mount Milligan deposit. It is expected that significant new exploration activity will be generated with focus on sediment-hosted gold, mesothermal gold-quartz veins, skarns and volcanogenic massive sulphide deposits.

The results of this project are 486 updated MINFILE occurrences, including 139 newly documented showings. The results are available for viewing through the BC Geological Survey's MINFILE database (<http://minfile.gov.bc.ca>).

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