



#### SYMBOLS

- Limit of outcrop<sup>1</sup>
- Quaternary unit boundary
- Field station
- Geologic contact (approximate, assumed, inferred)
- Unconformity (approximate, inferred)
- Fault (defined, approximate, assumed)
- Bedding
- Flow layering
- Foliation
- Fossil sites: - indeterminate fauna
- \* collection site & GSC catalogue number
- \* Age determination site (Age in Ma, station number)
- Bedrock assay sample site
- Till geochemical sample site<sup>2</sup>
- Lake sediment geochemical sample site<sup>2</sup>
- MINFILE location
- New mineral occurrence
- ABBREVIATIONS: quartz vein
- skarn

<sup>1</sup> Age determinations on Eocene country rocks at the Wolf deposit are from Andrew (1988). Six new dates from volcanic and intrusive rocks are in progress.

<sup>2</sup> Also includes discontinuous surficial sediment cover.

Till and lake sediment geochemical results will be released at a later date.

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#### REFERENCES

- Andrew, K.P.E. (1988): Geology and Genesis of the Wolf Precious Metal Epithermal Prospect and the Capoose Base and Precious Metal Porphyry-style Prospect, Capoose Lake Area, Central British Columbia; unpublished M.Sc. thesis, Dept. of Earth Sciences, Simon Fraser University, 334 pages.
- Cook, S.J. and Jackson, W. (1994): Drift Project: Sediment and Water Geochemistry Surveys in the Northern Interior Plateau, B.C. (NTS 93 F2,3,4,11,12,13,14); in Geological Fieldwork 1993, B. Grant and J.M. Newell, Editors, B. C. Ministry of Energy, Mines and Petroleum Resources, Paper 1994-1, pages 39-44.
- Davis, J., Grant, B. and Newell, J.M. (1993): Geology of the Natakluz Lake Area, Central British Columbia (NTS 93 F6); B.C. Ministry of Energy, Mines and Petroleum Resources, Open File 1993-14.
- Diakow, L.J. and Webster, I.C. (1994): Geology of the Fawnie Creek Map Area (NTS 93 F7); in Geological Fieldwork 1993, B. Grant and J.M. Newell, Editors, B. C. Ministry of Energy, Mines and Petroleum Resources, Paper 1994-1, pages 15-26.
- Giles, T.R. and Lewton, V.M. (1994): Surficial Geology and Drift Exploration Studies in the Fawnie Creek Area (NTS 93 F7); in Geological Fieldwork 1993, B. Grant and J.M. Newell, Editors, B. C. Ministry of Energy and Petroleum Resources, Paper 1994-1, pages 27-38.
- Giles, T.R. and Lewton, V.M. (1994): Drift Project: Potential of the Fawnie Creek Area (NTS 93 F7); B. C. Ministry of Energy, Mines and Petroleum Resources, Open File 1994-10.
- Green, K.C. and Diakow, L.J. (1993): The Fawnie Range Project - Geology of the Natakluz Lake Map Area (93F6); in Geological Fieldwork 1992, B.C. Ministry of Energy and Petroleum Resources, Paper 1993-1, pages 57-67.
- Howes, D. (1993): Fawnie Creek Map Area, B.C. Ministry of Energy and Petroleum Resources, Paper 1993-1.
- Hough, D.E. (1977): Geology and History of the Southern Part of the Nechako Plateau; B.C. Ministry of Environment, RAB Bulletin 1, 29 pages.
- Levson, V.M. and Giles, T.R. (1994): Surficial Geology and Quaternary Stratigraphy of the Fawnie Creek Area (NTS 93 F7); B.C. Ministry of Energy and Petroleum Resources, Open File 1994-9.
- Rybachuk, V.M. (1993): Terrestrial and Wolf-Coposse and Ak-Sayak-Antik Areas; in Mineral Deposit Research Unit Technical Report MT-3, Department of Geological Sciences, The University of British Columbia, 24 pages.
- Schreeter, T.G. and Lane, R.A. (1994): Mineral Resources 093F3 and 093F2,6,7; in Geological Fieldwork 1993, B. Grant and J.M. Newell, Editors, B. C. Ministry of Energy, Mines and Petroleum Resources, Paper 1994-1, pages 59-68.
- Tipper, H.W. (1963): Nechako River Map-area, British Columbia; Geological Survey of Canada, Memoir 324, 59 pages.

#### Assay Results

All values are in ppm except Au which is in ppb.												
Field No.	Sample No.	Element	Au	Ag	Ba	As	Sb	Mo	Cr	Pb	Zn	Si
LDI-6-1A	34213/25/890924	0.1	0.3	47	<2	2	9	119	<3	35	56	
LDI-6-1B	34213/25/890924	1	0.3	47	<2	2	9	119	<3	35	56	
LDI-6-2	34211/05/891022	1	0.1	33	<2	<2	51	101	5	20	59	
LDI-8-5	35176/8/939062	0.1	0.1	54	2	5	1	10	3	9	5	
LDI-8-6	35114/9/9393484	4	0.7	76	<2	5	1	5	105	39	5	
LDI-10-2	35398/4/939233	6	0.3	18	4	3	36	18	7	51	12	
LDI-12-6	36564/4/9377260	20	0.1	18	4	3	36	18	7	51	12	
LDI-27-6A	36398/4/9377260	2	0.2	32	9	3	<1	5	8	54	6	
LDI-27-1C	36398/4/9377260	461	12.1	25	16	5	1	14	17	27	4	
LDI-27-1C	36398/4/9377260	3740	2.0	81	30	3	<1	27	156	125	6	
LDI-27-1C	36398/4/9377260	2935	1.4	82	17	3	<1	28	164	120	6	
LDI-27-1C	36398/4/9377260	2935	1.4	82	17	3	<1	31	13	34	6	
LDI-27-11A	36375/9/9376700	3342	34.9	51	8	<1	24	56	52	36	11	
LDI-27-11C	36375/9/9376700	2716	34.0	30	5	6	1	43	126	19	13	
LDI-27-11D	36375/9/9376700	660	26.3	46	13	3	<1	7	6	17	5	
LDI-27-11D	36375/9/9376700	976	11.2	87	30	2	1	9	10	13	16	
LDI-27-11D	36375/9/9376700	952	11.6	91	31	4	<1	10	13	16	14	
LDI-27-11D	36375/9/9376700	2620	0.1	54	1	1	<1	7	1	16	16	
LDI-37-1	34235/8/9380455	2	0.2	87	4	<3	3	10	7	62	27	
IWE-3-5	34880/5/892628	101	6.0	44	2730	79	14	186	321	675	6	
IWE-3-1A	35847/0/939455	6	0.1	24	10	<2	3	2	1	92	120	23
IWE-3-1B	35847/0/939455	6	0.1	24	10	<2	3	2	1	92	120	23
IWE-3-1L	35837/0/939455	3	0.1	26	<2	3	3	13	22	55	7	
IWE-3-2	35847/0/939455	2	0.2	182	<2	3	1	4	2	77	52	
IWE-3-1S	35885/0/937660	0.1	0.1	130	6	4	1	9	6	16	9	
IWE-3-1S	35885/0/937660	29	21.3	186	<2	<2	6	620	12	299	140	
TGJ-26	34335/0/937660	1	0.1	11	11	<2	1	4	3	3	4	

Analytical method: ICP-40 g sample is digested with 3 ml 3+2 HCl-HNO<sub>3</sub>-H<sub>2</sub>O at 95 degrees Celsius for one hour and is diluted to 10 ml with water. Au analysis by FA/ICP from 30 g sample.



