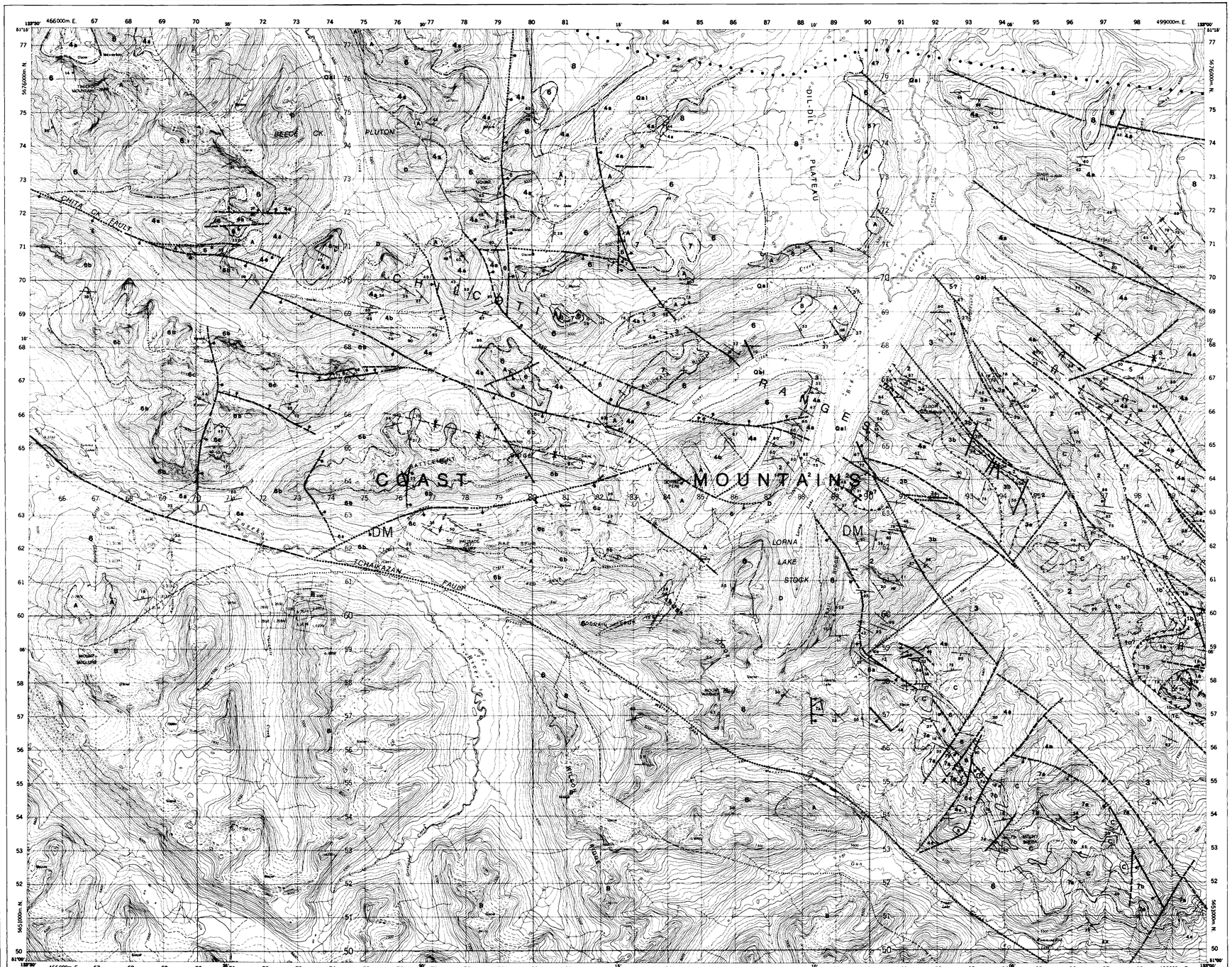


Province of British Columbia — Ministry of Energy, Mines and Petroleum Resources

Energy, Mines and Resources Canada — Énergie, Mines et Ressources Canada

THIS PROJECT IS A CONTRIBUTION TO THE CANADA/BRITISH COLUMBIA MINERAL DEVELOPMENT AGREEMENT, 1985-1990

OPEN FILE MAP 1987/3

3A. GEOLOGY OF THE WARNER PASS AREA

NTS 92O/3

Geology by J. K. Glover, P. Schiarizza, P. Umhoefer and J. Garver, 1986

Includes data from assessment reports, and from reports and maps by H. W. Tipper, J. A. Jeletzky and E. T. Tozer.

Compilation by J. K. Glover

LEGEND

PLEISTOCENE AND RECENT

Qal — Alluvium

STRATIFIED ROCKS

MIOCENE AND/OR PLIOCENE

8 — Plateau lava, basalt flows

EOCENE (?)

7 — Rhyolite, dacite flows, pyroclastic rocks and volcanic sediments (7a); basalt flows and flow breccias (7b)

UPPER CRETACEOUS (CENOMANIAN AND (?) YOUNGER

6c — Bedded laharic andesitic breccia and epiclastic sediments

6b — Andesitic breccia, lapilli tuff, crystal tuff, with minor andesitic to basaltic flows

6a — Volcanic sandstone and conglomerate; polymict conglomerate

6 — Undivided; mostly Unit 6b with minor epiclastic sediments

5 — Micaceous sandstone, shale and polymict conglomerate

LOWER CRETACEOUS (APTIAN AND ALBIAN)

TAYLOR CREEK GROUP

4 — Argillite, siltstone, sandstone, chert pebble conglomerate (4a); dacitic to andesitic flows and volcaniclastic rocks, interbedded with shale and siltstone (4b)

MIDDLE JURASSIC TO LOWER CRETACEOUS

RELAY MOUNTAIN GROUP

(BERRIASIAN TO BARREMIAN)

3b — Interbedded grey to greenish grey siltstone, shale, greywacke; minor cobble conglomerate and limestone

(U. OXFORDIAN TO U. TITHONIAN)

3a — Dark grey to green greywacke, siltstone, shale and minor conglomerate

3 — Undivided

(CALLOVIAN AND L. OXFORDIAN)

2 — Dark grey siltceous shale interbedded with siltstone and calcarenite; greywacke, grit and volcanic conglomerate

UPPER TRIASSIC TO MIDDLE JURASSIC

TYAUGHTON GROUP

(SINEMURIAN TO M. BAJOCIAN)

1c — Dark grey to black calcareous shale and argillite, grey greywacke

(U. NORIAN TO L. SINEMURIAN)

1b — Green and grey sandstone, shale, conglomerate and conglomeratic sandstone

(M. AND U. NORIAN)

1a — Red conglomerate and conglomeratic sandstone, massive limestone and limestone conglomerate

INTRUSIVE ROCKS

D — Equigranular quartz monzonite to granodiorite

C — Hornblende plagioclase biotite porphyries with accessory quartz

B — COAST PLUTONIC COMPLEX: quartz diorite to quartz monzonite

A — Hornblende plagioclase porphyries; minor diorite

SYMBOLS

Geologic contact (defined, approximate, assumed)

Unconformity (defined, assumed)

Bedding, tops known (horizontal, inclined, vertical overturned)

Bedding, tops unknown (horizontal, inclined, vertical)

Anticline, syncline; upright

Anticline, syncline; overturned

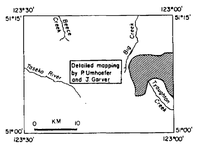
Thrust fault (defined, approximate, assumed) (teeth in direction of dip and indicate upthrust side)

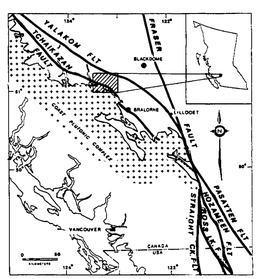
High angle fault (defined, approximate, assumed)

Normal fault (defined, approximate, assumed) (solid circle indicates downthrown side)

Strike-slip fault (defined, approximate, assumed) (arrows indicate relative sense of movement)

Limit of geological mapping





Scale 1:50 000 Échelle

Miles 1 0 1 2 3 Miles

Metres 1000 0 1000 2000 3000 4000 Metres

OF 87-3

2 of 2

Province of British Columbia — Ministry of Energy, Mines and Petroleum Resources

Energy, Mines and Resources Canada — Énergie, Mines et Ressources Canada

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OPEN FILE MAP 1987/3

MINERAL POTENTIAL OF THE WARNER PASS AREA

Includes data from assessment reports, Minfile and R.G.S. 3-1979, N.T.S. 92 O, and from reports by W. J. McMillan, 1976.

Rock samples for lithogeochemistry were collected by J. K. Glover, P. Schiarizza, D. Handel and P. Rapp, 1986

Compilation by J. K. Glover

MINERAL OCCURRENCES

MINFILE NUMBER	NAME	TYPE	COMMODITIES
1	Mohawk	Porphyry	Cu (Mo, Au, Ag)
2	Motherlode	Porphyry	Cu (Au, Ag)
3	Copper Mt.	Porphyry	Cu (Au, Ag)
4	Sookane	Porphyry	Cu (Ag,Au)
5	Battlement Ck.	Supergene	Fe
6	Rae Ck.	Supergene	Fe
7	Feo Ck.	Supergene	Fe
8	Denain Ck.	Supergene	Fe
9	Forrest	Supergene	Fe
10	Limonite	Supergene	Fe
11	Chilcotin	Supergene	Fe
24	B.J.B.	Porphyry	Cu, Mo, Pb, Zn
25	Rowbottom	Porphyry	Cu, Mo
28	Taylor Windfall	Vein	Au (Ag, Cu, Pb, Zn)
29	Phair	Vein	Cu (Ag, Au)
33	Empress	Porphyry	Cu (Au)
34	Taylor Mt.	Porphyry	Cu, Mo
35	MM-Westside	Porphyry	Cu, Mo
36	MM-Canyon	Porphyry	Cu, Mo
37	Top	Pegmatite	Mo, Cu
38	Buzzer	Porphyry	Cu (Mo, Au)
39	Bur	Porphyry	Cu, Mo
63	Teek (Spokane)	Porphyry	Cu
67	Massena	Vein	Cu, Ag
70	Warner Ck.	Vein	Cu, Ag (Mo, Au)
75	Grab	Porphyry	Cu, Pb, Zn

STREAM SEDIMENT GEOCHEMISTRY

(N.T.S. 92 O/3)

ID	Zn	Cu	Pb	Ni	Co	Ag	Mo	W	As	Hg
3124	36	188	4	16	14	0.1	4	2	8.0	330
3125	53	67	3	12	15	0.1	3	2	20.0	270
3126	60	22	4	17	13	0.1	1	1	10.0	220
3127	62	22	5	17	13	0.1	1	1	11.0	210
3128	46	23	2	15	11	0.1	1	1	8.0	150
3129	30	9	1	11	8	0.1	1	1	2.0	90
3133	78	76	50	8	7	0.2	2	4	26.0	160
3134	68	1100	3	9	7	1.0	80	45	2.5	190
3135	91	18	85	8	9	1.0	1	1	65.0	130
3136	102	91	62	9	9	0.6	3	2	28.0	90
3137	80	89	44	10	9	1.2	4	9	47.0	100
3138	33	84	3	12	16	0.1	3	2	12.0	270
5194	124	136	34	16	6	0.1	1	1	18.0	60
5195	51	32	11	4	4	0.1	1	1	10.0	60
5196	108	142	23	14	7	0.6	1	1	30.0	120
5197	77	36	6	30	12	0.1	1	1	12.0	90
5198	73	39	9	27	11	0.1	1	1	17.0	60
5199	86	53	7	34	15	0.1	1	1	18.0	80
5200	49	19	1	21	11	0.1	1	1	3.5	50
5202	66	124	7	22	13	0.2	1	4	60.0	110
5203	72	47	1	23	13	0.1	1	2	15.0	60
5277	24	65	4	15	9	0.1	2	1	13.0	40
5278	20	31	2	7	3	0.1	4	1	14.0	70
5279	59	16	4	15	9	0.1	1	1	7.5	70
5280	70	25	8	21	13	0.1	1	1	12.0	80
5282	119	42	26	24	13	0.1	1	9	25.0	60
5283	64	25	6	24	13	0.1	1	1	4.5	70
5284	69	91	11	13	17	0.1	1	1	17.0	160
5285	18	240	2	8	7	0.1	6	13	5.0	80
5286	78	79	17	23	18	0.1	4	1	9.5	90
5287	10	310	2	6	5	0.1	5	14	5.0	80
5288	92	136	26	21	19	0.4	6	5	13.0	90
5289	40	46	9	12	8	0.1	3	6	12.0	60
5290	39	44	8	10	8	0.1	4	5	11.0	60
5291	69	125	14	18	15	0.2	6	3	17.0	110
5292	34	36	6	14	8	0.1	2	1	3.0	60
5294	22	34	1	8	5	0.1	2	1	1.5	70
5295	34	36	3	15	9	0.1	1	5	3.0	60
5296	24	28	7	8	5	0.1	1	1	1.5	70
5297	48	675	6	22	14	0.2	27	60	18.0	90
5298	16	23	2	7	5	0.1	1	1	1.5	60
5388	147	65	28	50	25	0.1	2	1	41.0	70
5389	122	50	15	36	16	0.1	1	1	25.0	80
5390	66	27	8	35	12	0.1	1	1	5.0	70
5393	96	39	5	71	18	0.1	1	1	8.0	1150
5464	12	240	1	6	8	0.1	4	4	3.0	70
5465	12	230	1	6	7	0.1	3	4	3.0	70
5466	57	55	3	24	17	0.1	1	3	18.0	380
5467	16	17	1	5	6	0.1	1	1	0.5	60
5468	22	23	1	13	7	0.1	1	1	1.0	70
5469	23	20	1	8	7	0.1	1	1	1.0	60
5470	65	48	6	27	17	0.1	1	1	17.0	360
5471	80	52	15	31	23	0.2	2	1	28.0	190
5472	280	100	48	22	16	0.1	4	1	11.0	120
5473	88	54	13	34	16	0.1	1	1	3.0	110
5474	68	42	5	38	16	0.1	1	1	4.5	370
5475	70	40	4	26	13	0.1	1	1	6.0	120
5487	90	38	6	26	15	0.1	1	1	14.0	480
5488	106	41	2	17	14	0.1	3	1	32.0	110
5489	109	59	7	53	21	0.1	1	1	8.5	270
5490	174	61	10	26	20	0.1	5	1	39.0	70
5491	98	59	7	44	21	0.1	1	1	13.0	160
5492	255	66	8	30	17	0.1	6	1	22.0	100
5493	112	60	11	46	22	0.1	3	1	80.0	300
5494	112	57	9	47	22	0.1	2	1	85.0	310
5495	94	60	11	29	20	0.1	1	1	70.0	100
5497	270	59	6	25	15	0.1	5	1	15.0	180
5498	133	46	19	24	17	0.1	1	1	95.0	130
5499	92	112	36	18	15	0.1	1	5	49.0	50
5500	54	62	8	16	11	0.1	3	1	18.0	100
5502	164	78	17	36	35	0.1	3	1	25.0	110
5503	34	45	13	9	10	0.1	5	1	13.0	90
5504	83	31	6	34	16	0.1	1	1	8.5	80
5505	61	29	7	38	16	0.1	1	1	22.0	50
5506	69	25	6	34	14	0.1	1	1	11.0	70
5507	73	23	6	35	15	0.1	1	1	11.0	70
5508	72	23	6	33	15	0.1	1	1	17.0	80
5518	80	35	5	34	15	0.1	1	1	12.0	150
5519	76	25	4	66	19	0.1	1	1	8.0	100
5520	118	48	9	19	14	0.1	1	1	19.0	120
5522	75	26	5	24	11	0.1	1	1	11.0	160
5523	83	26	7	32	14	0.1	1	1	15.0	80
5524	105	53	8	16	18	0.1	1	1	17.0	150
5525	118	62	8	16	16	0.1	1	1	31.0	100
5526	54	23	6	30	11	0.1	1	1	3.0	90
5527	87	36	4	61	18	0.1	1	1	8.0	170
5564	93	42	3	35	17	0.1	1	1	6.0	90
5565	113	37	2	32	12	0.1	1	1	9.0	270
5566	92	42	7	50	20	0.1	1	1	12.0	110

ZN- ZINC BY ATOMIC ABSORPTION SPECTROSCOPY (PPM)
CU- COPPER BY ATOMIC ABSORPTION SPECTROSCOPY (PPM)
PB- LEAD BY ATOMIC ABSORPTION SPECTROSCOPY (PPM)
NI- NICKEL BY ATOMIC ABSORPTION SPECTROSCOPY (PPM)
CO- COBALT BY ATOMIC ABSORPTION SPECTROSCOPY (PPM)
AG- SILVER BY ATOMIC ABSORPTION SPECTROSCOPY (PPM)
AS- ARSENIC BY FLAMELESS SPECTROSCOPY (PPM)
MO- MOLYBDENUM BY ATOMIC ABSORPTION SPECTROSCOPY (PPM)
W- TUNGSTON BY COLORIMETRY USING ZINC DITHIOL (PPM)
HG- MERCURY BY FLAMELESS SPECTROSCOPY (PPB)

SYMBOLS

- Hydrothermal alteration (silicification, clay alteration, sericitization and/or pyrite mineralization)
- Zone of silicification with well defined, structurally controlled trend (defined, approximate)
- Fault with associated hydrothermal alteration
- Mineral occurrence: accuracy of location within radius of 500 metres
- Mineral occurrence: accuracy of location within radius of 1 kilometre
- Mineral occurrence with recorded production
- Lithogeochemical sample
- Duplicate samples — G64 G66
- Stream sediment sample

PERCENTILE VALUES

ELEMENT	STREAM SEDIMENT (N=89) 80%	90%	95%	ROCK GEOCHEM (N=125) 80%	90%	95%
Zn (ppm)	105	119	147	102	131	325
Cu (ppm)	79	136	230	80	188	550
Pb (ppm)	13	26	36	25	47	90
Ni (ppm)	34	38	50	--	--	--
Co (ppm)	17	20	21	--	--	--
Ag (ppm)	0.1	0.2	0.4	10	14	26
Mo (ppm)	3	5	6	9	19	32
W (ppm)	2	5	9	--	--	--
As (ppm)	25	39	60	25	72	149
Hg (ppb)	160	270	330	385	762	1500

LITHOGEOCHEMISTRY

SAMPLE NO.	TYPE [1]	ALT N [2]	AU ppb [3]	AG ppm [4]	CU ppm [5]	PB ppm [5]	ZN ppm [5]	NI ppm [5]	MO ppm [5]	HG ppb [6]	AS ppm [5]	SB ppm [5]
S01	I	A	<20	<10.0	34	10	54	10	<3	<20	<25	<5
S02	I	A	<20	<10.0	3	15	33	<3	<3	30	<25	<5
S03	I	A	<20	<10.0	31	15	36	8	<3	<20	<25	<5
S04	I	A	<20	<10.0	81	62	20	28	<3	44	<25	<5
S05	I	A	<20	<10.0	19	11	11	3	7	50	<25	<5
S06	I	A	<20	<0.3	<10	12	24	0	<5	20	<40	<5
S07	F	A	<20	<0.3	39	<10	<10	0	<5	23	<40	<5
S08	I	B	<16	19.0	38	10	72	0	4	44	<20	<10
S09	I	A	<16	11.0	31	10	113	0	6	32	<20	<10
S10	I	A	24	<10.0	83	42	293	0	8	75	<20	<10
S11	I	A	<16	11.0	57	43	271	0	2	20	<20	<10
S12	I	A	<16	<10.0	15	7	77	0	4	36	<20	<10
S13	I	A	22	<10.0	16	7	75	0	8	22	<20	<10
S14	I	A	46	<10.0	52	11	149	0	5	<20	<20	<10
S15	I	A	<16	14.0	55	9	82	0	7	<20	<20	<10
S16	I	A	<16	10.0	58	150	170	0	4	<20	<20	<10
S17	I	V	22	<10.0	550	47	70	0	10	433	<20	<10
S18	I	A	20	11.0	11	10	<3	0	3	56	<20	<10
S19	I	A	25	10.0	20	15	30	0	<2	270	<20	<10
S20	I	B	<16	24.0	15	111	33	0	3	667	<20	<10
S21	I	A	17	<10.0	20	<5	5	0	5	29	<20	<10
S22	I	A	<20	<0.3	44	18	119	0	<5	402	<40	<5
S23	F	A	117	<0.3	188	<10	127	0	<5	<20	119	<5
S24	F	A	<20	<0.3	186	<10	109	0	<5	<20	67	8
S25	I	B	<20	<0.3	59	<10	31	0	<5	<20	<40	<5
S26	I	B	58	377.0	1.06%	96	2298	0	<5	358	<40	20
S27	I	B	26	340.0	2.01%	96	6986	0	<5	762	<40	15
S28	I	B	60	331.0	1.92%	102	5283	0	20	1.50ppm	<40	18
H01	I	B	<20	<0.3	400	10	37	0	18	43	<40	<5
H02	I	B	<20	<0.3	37	<10	10	0	<5	30	<40	6
H03	I	V	26	10.0	1.71%	<10	41	0	768	734	423	75
H04	I	A	<20	<0.3	35	<10	<10	0	27	33	<40	5
H05	I	A	<20	<0.3	33	<10	78	0	<5	35	<40	<5
H06	I	A	<20	<0.3	22	<10	46	0	<5	<20	<40	<5
H07	I	A	<20	<0.3	32	19	43	0	<5	99	<40	<5
H08	I	A	100	<0.3	28	<10	64	0	<5	1.40ppm	<40	<5
H09	I	V	<20	<0.3	75	<10	49	0	<5	943	<40	7
H10	I	A	26	<0.3	58	<10	93	0	<5	23	149	13
R01	I	A	34	<0.3	21	<10	15	0	<5	<20	<40	<5
R02	I	A	31	<0.3	40	<10	35	0	<5	<20	<40	<5
R03	I	A	23	<0.3	40	<10	35	0	<5	<20	<40	<5
R04	I	A	32	0.4	141	23	125	0	<5	<20	<40	<5
R05	I	A	24	1.3	18	<10	10	0	34	239	<40	<5
R06	I	A	<20	<0.3	68	<10	75	0	<5	2.00ppm	121	18
G01	I	A	<20	<10.0	30	9	35	28	<3	<20	25	<5
G02	I	A	<20	<10.0	74	13	23	16	<3	<20	<25	<5
G03	I	A	<20	<10.0	47	7	102	30	7	25	<25	<5
G04	I	A	<20	<10.0	87	25	22	40	<3	69	<25	<5
G16	I	A	<20	<10.0	85	20	15	40	<3	129	<25	<5
G05	I	B	<20	<10.0	46	7	108	110	5	526	<25	<5
G06	I	B	<20	<10.0	46	10	131	86	<3	3.14ppm	<25	<5
G07	I	A	<20	<10.0	35	16	70	12	<3	41	<25	<5
G08	I	A	<20	<10.0	36	7	67	10	<3	29	<25	<5
G09	F	A	<20	<10.0	76	30	100	200	103	2.01ppm	162	7
G10	F	A	<20	26.0	34	27	72	189	210	239	72	<5
G11	F	A	<20	<10.0	23	2	22	49	<3	24	<25	<5
G12	I	A	<20	<10.0	37	2	32	81	17	40	<25	<5
G13	I	A	<20	<10.0	140	5	84	32	<3	<20	28	<5
G14	I	A	<20	<10.0	23	5	19	<3	<3	63	34	<5
G15	I	A	<20	<10.0	6	14	8	8	3	21	35	<5
G17	I	C	<20	<10.0	31	18	61	7	<3	43	<25	<5
G18	I	A	<20	<10.0	180	12	100	14	4	184	<25	<5
G19	I	A	<20	<10.0	23	28	50	15	<3	169	<25	<5
G20	F	A	<20	<10.0	6	17	37	11	10	<20	<25	<5
G21	I	A	<20	<10.0	107	13	60	39	10	<20	<25	<5
G22	I	A	22	<10.0	13	51	23	<3	12	56	<25	<5
G26	I	A	27	<10.0	14	40	22	<3	9	50	<25	<5
G23	I	A	22	<10.0	87	50	325	30	<3	163	135	<5
G24	F	A	42	<10.0	43	40	550	32	5	83	.12%	<5
G25	I	V	34	<10.0	61	14	128	58	<3	193	72	<5
G27	I	A	<16	11.0	4	26	115	0	9	196	<20	<10
G28	F	A	<16	130.0	132	10	11	0	8	1.39ppm	33	<10
G29	I	V	18	11.0	3.32%	13	30	0	<2	500	<20	<10
G30	I	V	45	<10.0	57	111	5	0	32	635	181	<10
G31	I	A	<16	<10.0	30	7	4	0	8	262	33	<10
G33	I	A	<16	<10.0	42	<5	123	0	4	307	<20	<10
G32	I	A	<16	<10.0	14	<5	<3	0	2	385	<20	<10
G34	I	A	<16	<10.0	60	<5	4	0	6	176	<20	<10
G35	I	A	41	<10.0	360	42	21	0	<2	605	86	<10
G37	I	A	<16	12.0	39	17	<3	0	7	162	<20	<10
G36	I	A	<16	<10.0	27	12	17	0	15	600	140	<10
G38	I	A	<16	<10.0	36	<5	5	0	<2	3.78ppm	<20	<10
G39	I	A	<17	<10.0	78	59	301	0	7	1.06ppm	54	<10
G40	I	A	17	<10.0	330	20	435	0	2	28	<20	<10
G41	I	V	<16	<10.0	900	14	51	0	<2	<20	600	<10
G42	I	B	<16	17.0	118	10	62	0	<2	<20	<20	<10
G43	I	B	<16	137.0	68	27	45	0	10	30	<20	<10
G44	I	A	<16	10.0	49	18	35	0	<2	<20	<20	<10
G63	I	A	<16	<10.0	33	10	38	0	10	<20	<20	<10
G45	I	B	<16	<10.0	290	20	107	0	<2	23	<20	<10
G46	I	A	38	<10.0	20	8	6	0	<2	21	<20	<10
G47	I	B	<16	<10.0	54	11	25	0	<2	<20	<20	<10
G64	I	B	<16	<10.0	54	9	26	0	<2	<20	<20	<10
G48	I	B	<16	<10.0	114	9	95	0	<2	<20	<20	<10
G49	I	A	<16	10.0	33	10	39	0	<2	20	159	<10
G50	I	B	<16	16.0	360	55	86	0	9	<20	<20	<10
G51	I	B	<16	26.0	35	6	52	0	2	57	<20	<10
G52	I	B	<16	<10.0	23	9	70	0	3	<20	<20	<10
G53	I	A	<16	<10.0	18	5	76	0	105	51	<20	<10
G54	I	A	18	10.0	17	4	<3	0	37	225	<20	<10
G55	I	A	<16	10.0	26	10	5	0	27	71	<20	<10
G56	I	A	20	<10.0	4	4	<3	0	5	700	<20	<10
G57	I	A	21	<10.0	4	3	<3	0	6	2.12ppm	<20	13
G58	I	A	<16	<10.0	18	17	80	0	7	26	<20	<10
G59	I	A	<16	<10.0	15	10	39	0	2	<20	<20	<10
G60	I	A	17	10.0	82	21	429	0	2	800	<20	20
G61	I	A	<16	<10.0	9	3	<3	0	4	790	<20	13
G62	I	A	306	<10.0	52	3	55	0	84	551	<20	<10
G65	I	A	<16	<10.0	83	14	229	0	6	77	167	<10
G66	I	A	<16	<10.0	43	4	3	0	11	35	60	<10
G67	I	A	<20	<0.3	35	12	72	0	<5	39	<40	<5
G68	I	V	<20	<0.3	45	<10	57	0	<5	297	<40	<5
G69	I	V	<20	<0.3	<10	<10	20	0	<5	672	45	<5
G70	I	A	21	<0.3	14	<10	44	0	<5	128	<40	<5
G71	I	A	<20	<0.3	90	<10	125	0	<5	30	167	<5
G72	I	A	<20	<0.3	95	<10	61	0	7	26	68	<5
G73	I	A	<20	<0.3	15	<10	18	0	<5	135	66	14
G74	I	A	<20	<0.3	148	<10	70	0	<5	28	<40	<5
G75	I	A	<20	<0.3	112	<10	30	0	<5	<20	<40	<5
G76	I	A	<20	<0.3	191	<10	27	0	<5	<20	<40	<5
G77	I	A	79	<0.3	774	<10	9264	0	<5	235	<40	<5
G78	I	A	<20	<0.3	32	<10	64	0	<5	<20	<40	<5
G79	I	A	<20	<0.3	24	<10	35	0	10	<20	<40	<5
G80	I	A	<20	<0.3	<10	<10	<10	0	<5	98	<40	<5
G81	I	A	<20	<0.3	22	<10	63	0	24	32	<40	<5
G82	I	A	<20	<0.3	<10	<10	43	0	27	25	<40	<5
G83	I	A	<20	<0.3	35	29	54	0	<5	<20	<40	<5
G84	I	A	<20	<0.3	37	<10	69	0	<5	<20	<40	<5
G85	I	A	<20	0.6	53	<10	128	0	<5	<20	<40	<5
G86	I	V	28	29.0	38	140	25	0	11	2.10ppm	<40	41
G87	I	V	92	13.0	38	35	17	0	15	3.20ppm	<40	13
G88	I	V	<20	18.0	<10	51	13	0	21	81	<40	14
G89	I	V	<20	29.0	10	90	12	0	<5	169	<40	14

[1] SAMPLE TYPE I = in situ
F = float

[2] HYDROTHERMAL ALTERATION

A - pervasive silicification, sericitization, clay alteration and/or disseminated pyrite
B - chorite-epidote alteration + pyrite
C - pervasive carbonate alteration
V - quartz + calcite + pyrite veins

[3] GOLD (AU) BY STANDARD FIRE ASSAY/ATOMIC ABSORPTION SPECTROSCOPY

[4] SILVER (AG) BY STANDARD FIRE ASSAY

[5] LEAD(PB), ZINC (ZN), COPPER (CU), NICKEL (NI), MOLYBDENUM (MO) ARSENIC (AS) AND ANTIMONY (SB) BY ATOMIC ABSORPTION

[6] MERCURY (HG) BY COLD VAPOUR/ATOMIC ABSORPTION SPECTROSCOPY