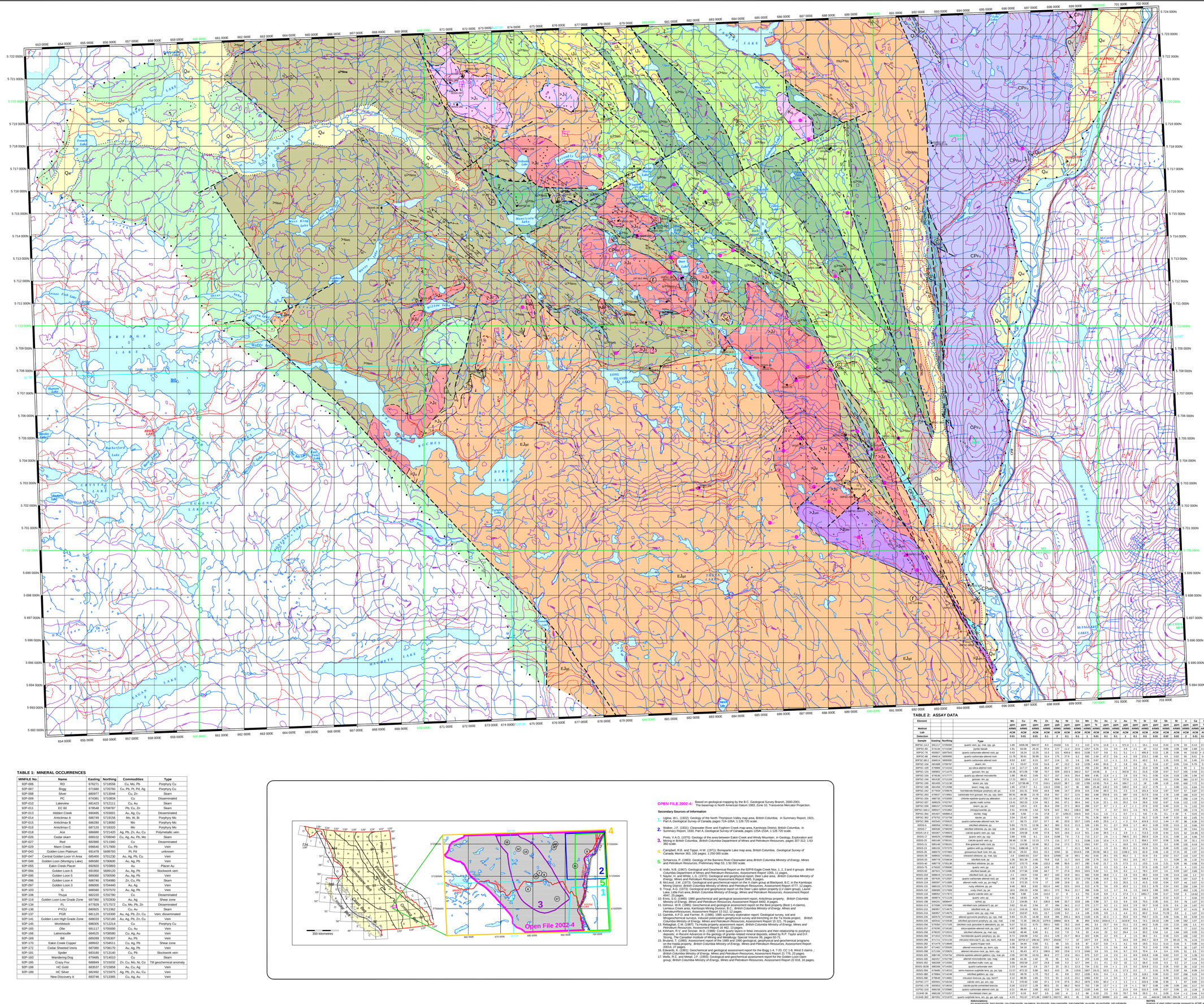

British Columbia
Ministry of Energy and Mines
Minerals Division
Geological Survey Branch

Geological Survey Branch

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GEOLOGY OF THE NEHALLISTON PLATEAU

NTS 92P/7, 8, 9, 10

Geology by P. Schiarizza, S. Israel, S. Heffernan and J. Zuber

Macrofossil Identifications: E.W. Bamber, T.P. Poulton, GSC Calgary; H.W. Tipper, GSC Vancouver; P.L. Smith, The University of British Columbia
Conodont Identifications: M.J. Orchard, GSC Vancouver
Isotopic Dating: R.M. Friedman, The University of British Columbia

Digital Cartography: V. Vilkos, J. Zuber

SCALE 1:50 000

0 1 2 3 4 5
Kilometres

QUATERNARY

- **Qal** — *Unconsolidated glacial, fluvial and alluvial deposits*
- **Qv** — *Basalt*

TertiaryCENE

Kamloops Group

- **Tv** — *Skuhl Hill Formation: andesite, basalt, dacite, volcanic breccia; minor amounts of sandstone, siltstone, conglomerate*
- **Ts** — *Chu Chua Formation: conglomerate, sandstone*

CRETACEOUS

- **Ks** — *Granite, quartz-feldspar porphyry*

EARLY JURASSIC

- **EJs** — *Siltstone, sandstone, conglomerate*
- **EJgd** — *Granodiorite; locally includes quartz diorite, diorite and monzodiorite*

LATE TRIASSIC(?) and EARLY JURASSIC

- **>TJs** — *Syenite, monzonite, quartz monzonite*
- **>TJa** — *Diorite, microdiorite, syenite, intrusion breccia; pyrite-silica-altered rock, skarn and chloritic schist derived from these intrusive rocks and/or associated country rocks*
- **>TJd** — *Diorite, microdiorite, gabbro; locally includes clinopyroxenite and intrusion breccia*
- **>TJum** — *Dunite, wehrlite, clinopyroxenite, serpentinite*

MIDDLE AND LATE TRIASSIC

Nicola Group

- **uTNv** — *Volcanic sandstone, siltstone, conglomerate, volcanic breccia, tuff; basalt, chert, limestone*
- **lTNv** — *Mafic volcanic breccia, massive to pillowed pyroxene-phyric basalt; minor amounts of volcanic sandstone, siltstone and conglomerate*
- **uTNhv** — *Dacite, sericite schist with felsic volcanic fragments*

Meridian Lake succession

- **uTNms** — *Siltstone, argillite, slate, sandstone, conglomerate, limestone*
- **uTNml** — *Limestone; locally includes slate, siltstone and chert*

Lemieux Creek succession

- **muTNs** — *Siltstone, slate, phyllite, sandstone, quartzite, siltite, limestone*
- **muTNl** — *Limestone; lesser amounts of slate and siltstone*

Wavey Lake succession

- **>TNw** — *Volcanic breccia, tuff, volcanic sandstone*
- **>TNs** — *Chert, slate, siltstone, volcanic sandstone, conglomerate*

CARBONIFEROUS - PERMIAN

Harper Ranch Group

- **CPHs** — *Siltstone, argillite, chert; limestone*

Fennell Formation

- **CPFu** — *Upper Structural Division: pillowed and massive basalt; minor amounts of chert, diabase, gabbro;* **CPFu**c *- chert*
- **CPFl** — *Lower Structural Division: chert, slate, siltstone, basalt, gabbro, diabase*

SYMBOLS

- Geological contact (defined, approximate, inferred)
- Fault (defined, approximate, inferred)
- Thrust fault, teeth on upthrust block (inferred)
- Bedding, tops known (inclined, overturned)
- Bedding, tops unknown (inclined, vertical)
- Slaty cleavage or schistosity (inclined, vertical)
- Axis of mesoscopic fold
- Fossil locality (macrofossil, conodont) — F C
- Location of isotopically dated sample (U-Pb zircon) — f 192.7±0.96ka
- Mineral occurrence with MINFILE number (prefix 92P; Table 3) — 105
  - Past producer
  - Prospect
  - Showing
- Assay sample with sample number (Table 2) — 96SH-166
- Field station (shown only where not indicated by another symbol)
- Limit of extensive Qal cover
- Limit of mapping
- Contours (100 metre intervals)
- Roads (paved, gravel, rough)

TABLE 1: MINERAL OCCURRENCES

MINFILE No.	Name	Easting	Northing	Commodities	Type
92P-006	RO	676271	5718556	Cu, Mo, Pb	Porphyry Cu
92P-007	Bogg	671680	5720760	Cu, Pb, Pt, Pd, Ag	Porphyry Cu
92P-008	Silver	680977	5713044	Cu, Zn	Skarn
92P-009	HC	674336	5721864	Cu	Disseminated
92P-010	Lakeview	681423	5712111	Cu, Au	Skarn
92P-011	EC 60	678548	5708787	Pb, Cu, Zn	Skarn
92P-013	Hidden Creek	664045	5720001	Cu, Au, Ag	Disseminated
92P-014	Anticlimax A	686749	5719156	Mo, W, Bi	Porphyry Mo
92P-015	Anticlimax B	686284	5719060	Mo	Porphyry Mo
92P-016	Anticlimax C	687120	5718320	Mo	Porphyry Mo
92P-018	Ace	686680	5721420	Ag, Pb, Zn, Au, Cu	Polymetallic vein
92P-026	Cedar Lake	688182	5708040	Cu, Ag, Au, Pb, Mo	Skarn
92P-027	Red	682880	5711940	Cu	Disseminated
92P-029	Mann Creek	686449	5717900	Cu, Pb	Vein
92P-043	Golden Loon Platinum	691478	5699793	Pd	unknown
92P-047	Central Golden Loon VI Area	685400	5701230	Au, Ag, Pb, Cu	Vein
92P-048	Golden Loon (McKinley Lake)	682400	5700600	Au, Ag, Pb	Vein
92P-055	Eakin Creek Placer	692820	5703893	Au	Placer Au
92P-094	Golden Loon 6	691950	5699120	Au, Ag, Pb	Stockwork vein
92P-095	Golden Loon 3	689360	5700590	Au, Ag, Pb	Vein
92P-096	Golden Loon 4	686740	5704980	Zn, Cu, Pb	Skarn
92P-097	Golden Loon 3	686035	5704640	Zn, Cu	Skarn
92P-103	G	686560	5707570	Au, Ag, Pb	Vein
92P-106	Thuya	682220	5702780	Cu	Disseminated
92P-124	Golden Loon Low Grade Zone	687360	5702860	Au	Shear zone
92P-134	FL	677829	5717572	Cu, Mo, Pb, Zn	Disseminated
92P-135	PGR	680025	5712928	Cu, Au	Skarn
92P-137	PGR	681120	5716300	Au, Ag, Pb, Zn, Cu	Vein; disseminated
92P-141	Golden Loon High Grade Zone	688033	5702180	Au, Ag, Pb, Zn, Cu	Vein
92P-164	Worldstock	688336	5712214	Au	Porphyry Cu
92P-165	Olie	691117	5705000	Cu, Au	Vein
92P-166	Lazarenuulie	688253	5708580	Cu, Ag	Vein
92P-169	Bill	689289	5705307	Au, Pb	Vein
92P-170	Eakin Creek Copper	689932	5704511	Cu, Ag, Pb	Shear zone
92P-172	Circle Sheeter Veins	687005	5708170	Au, Ag, Pb	Vein
92P-181	Spider	683180	5713140	Cu, Pb	Stockwork vein
92P-183	Wandering Dog	678485	5718083	Cu	Skarn
92P-185	Crazy Fox	688849	5715032	Zn, Cu, Mo, Ni, Co	Till geochemical anomaly
92P-188	HC Gold	683537	5715858	Au, Cu, Ag	Vein
92P-189	HC Star	682462	5715975	Ag, Pb, Zn, Au, Cu	Vein
92P-190	New Discovery A	683746	5713365	Cu, Ag, Au	Vein

TABLE 2: ASSAY DATA

Element			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Au	Pt	Pd
Method			AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua	AQua
Lab			ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	ACM	FA	FA
Detection			0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	1	0.1	0.5	0.05	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.1	0.02	0.02	2	2	2	2	2	2
Sample	Easting	Northing	Type																																							
00PSC-14-2	681117	5709000	quartz vein; py, mal, opy, gn	1.85	1826.08	569.07	8.3	15104	3.6	2.1	113	0.74	11.8	< 1	571.4	< .1	15.1	0.13	0.24	2.78	19	0.14	0.005	< .5	24.1	0.16	27	0.004	1	0.26	0.007	0.03	7.6	1	< .02	0.01	33	1.3	7.02	0.8	704	< 2	4	
00PSC-56-2	675134	5715600	quartz-carbonate altered rock	1.65	63.05	25.16	97.4	177	11.2	22.4	1257	5.25	2.4	.5	5.9	42	0.7	0.02	0.07	42	0.7	0.07	0.02	1.5	0.7	4.7	0.11	1.94	18	0.7	2.7	0.15	1.94	18	0.7	0.01	1.4	2.8	0.7	7.4	4	2	
00PSC-70	693607	5695543	quartz-carbonate altered rock py	0.43	16.24	12.25	10.3	101	409.6	68.6	2108	5.57	9.6	0.1	5.1	< .1	495.9	0.15	1.35	0.08	44	15.62	0.001	< .5	458.7	7.46	29.9	0.002	< 1	0.11	0.004	< .01	0.5	44.6	0.2	0.22	44	0.5	0.12	1.2	5	65	3	
00PSC-86	684142	5699400	quartz-carbonate altered rock	11.76	35.61	35.98	31.4	175	27.9	6.2	593	2.56	2.2	2.6	4.3	0.8	215.2	0.08	0.16	0.07	90	1.2	0.06	2.5	0.7	0.7	0.07	0.58	12	0.8	4.1	0.26	0.47	60	0.1	0.05	0.7	0.8	0.7	2.8	2	2	
00PSC-88-2	684614	5699900	quartz-carbonate altered rock	9.53	6.87	6.15	157	114	13	1.6	136	0.87	1.2	< .1	2.3	0.1	43.2	0.3	1.15	0.03	10	1.45	0.042	6	32	0.52	14.2	0.001	< 1	0.12	0.005	0.01	8.2	1	0.04	0.02	17	< .1	< .02	0.4	4	2	2	
00PSC-104	684186	5700700	quartz vein; py	3.2	23.07	2.23	51.8	47	13.2	6.3	1235	4.83	81.8	2	1.8	0.4	25	0.19	0.17	0.05	55	1.36	0.01	0.05	2.8	4.4	0.04	0.06	4	0.3	0.2	0.02	0.3	2.4	0.02	0.02	5.9	2	0.2	5.4	2	< 2	< 2
00PSC-106	678869	5710153	py-silica-altered rock	2.18	117.10	1.63	36.4	340	32.1	16.3	150	2.64	38.8	0.2	39.5	0.4	22.4	0.09	1.38	0.3	55	0.032	3	42.5	1.13	187.4	0.216	< 1	1.65	0.079	0.24	1	3.8	0.04	1.25	1.5	0.3	0.03	5.4	2	3	2	
00PSC-107	678869	5710153	quartz vein; py, cpy	0.13	0.57	0.25	0.3	3	0.3	0.1	14	0.05	0.1	< .1	0.1	< .1	0.1	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.1	0.02	0.02	2	2	2	2	2	2
00PSC-154	681630	5712159	quartz-carbonate altered rock py, cpy, pyrite	1.98	88.43	3.46	52.7	157	14.5	29.4	829	4.95	1.1	11.8	1.8	2.3	24.1	0.06	0.24	0.18	136	1.34	0.11	2.4	1.7	2.5	0.13	0.28	1	1.35	0.079	0.34	1	3.6	0.04	1.13	< .5	0.6	0.24	1	36	10	22
00PSC-154	681630	5712159	gossan; py	17.33	983.5	2.17	29.2	604	37.1	21.3	1854	13.13	61.5	4.7	727.6	1.5	17.5	0.26	0.61	0.34	380	11.57	0.145	7.5	49.9	0.16	43.6	0.078	1	1.35	0.003	0.03	7.2	3.7	0.02	1.29	23	8.9	0.26	5.4	834	6	6
00PSC-186	681453	5712538	skarn; py, cpy	5.47	10738.45	7.0	159.1	1012	38.7	132	1785	13.55	7.4	44.7	164.7	1.2	18	1.89	1.18	0.28	91	1.1	0.137	7.6	63.7	0.16	80.7	0.096	< 1	1.34	0.006	0.02	1.2	4.1	0.06	4.67	45	34.1	1.15	2.6	7	145	5	6
00PSC-186	681453	5712538	skarn; mag, cpy	1.65	1719.7	5.1	116.3	2206	14.7	36	883	25.46	130.2	0.9	199.2	0.4	12.2	0.79	1	0.98	111	6.84	0.092	1.5	34.5	0.03	22.5	0.038	1	1.28	0.009	0.01	6.5	3.1	0.02	1.42	43	4.6	0.26	7.7	146	5	6
00PSC-254	677954	5708976	hornblende-feldspar porphyry sill; py	3.24	105.31	9.03	44.6	548	14.7	20.8	415	2.64	49.3	0.1	2.5	1.4	161.4	0.04	0.47	0.08	152	1.7	0.08	1.1	0.8	0.88	653.7	0.175	1	3.3	0.081	0.18	0.8	2.7	0.08	1.02	5	0.7	0.03	3.7	9	6	4
00PSC-261	678637	5719561	carbonate-rich gossan; sm, py, cpy, born	90.91	98.98	21.78	25.8	557	23.7	12.5	802	3.68	250.8	0.5	687	0.6	317.5	0.04	1.78	1.48	166	0.22	0.088	4.8	33.2	1.36	156	0.036	< 1	0.57	0.009	0.15	8	8.8	0.08	1.54	68	4	0.89	0.4	693	5	4
00PSC-314	686738	5705600	chlorite-sericite-quartz-py alteration	11.14	227.29	4.49	252.7	803	58.4	12.4	265	4.44	1.6	31.6	1.5	26.6	0.94	0.87	0.8	29	1.87	0.071	14.4	76.6	0.48	79.2	0.12	1	0.47	0.007	0.27	15.3	0.54	0.1	0.34	28	2	0.8	2.4	26	2	4
00PSC-337	689029	5702767	pyritic mafic schist	13.41	282.53	2.24	56.2	341	67.1	99.4	542	5.19	22.1	0.5	20.2	0.4	36.6	0.02	0.67	0.18	112	1.32	0.117	4.3	35.4	1.3	65.3	0.305	< 1	1.61	0.077	0.11	1.3	4.3	0.03	2.94	9	7.4	0.21	4.4	10	< 2	4
00PSC-342	687540	5702458	mafic py, py, po	3.62	125.5	3.9	35.4	209	27.1	38.6	288	3.27	8.7	4.7	< .1	27.6	0.03	0.49	0.15	51	2.79	0.123	0.8	1.1	2.5	0.03	253.6	0.035	< 1	0.2	0.005	0.02	0.5	5.6	0.02	1.5	7	0.7	0.19	3	5	4
00PSC-344-2	689207	5701882	clinopyroxenite; py	2.51	574.66	1.53	52.9	622	64.1	108.4	680	7.74	2	0.7	10.1	1.5	76.5	0.25	0.27	0.03	195	2.74	0.345	9.5	38.5	2.53	88.8	0.291	2	2.1	0.299	0.55	0.9	14.7	0.11	2.82	13	4.1	0.07	7.2	11	8	7
00PSC-354	691507	5698613	dunite; mag	1.06	5.94	< .01	27.8	27	129.1	104.5	910	5.11	1.5	< .1	0.7	< .1	5.8	< 0.01	< .01	0.1	< .5	0.01	0.001	< .5	506.9	0.03	1.5	0.03	20	0.03	< .001	< .01	0.2	3	< .02	0.02	< .5	< .02	0.5	2	10	< 2	
00PSC-362	676702	5719758	diorite; py	2.04	23.42	3.99	103	113	9.5	17.4	781	5.36	56.9	0.1	11.2	1	91.2	0.29	0.46	0.33	83	2.85	0.164	4.4	14.8	2.24	217.2	0.026	2	3.46	0.062	0.23	0.3	4.1	0.04	1.9	< .5	1.8	0.23	8.5	16	< 2	< 2
00PSC-364	682540	5718943	quartz-carbonate altered rock; lim	0.7	56.75	2.57	57.7	48	25.8	20.7	1181	4.83	25.5	< .1	< .2	0.4	24.9	0.03	0.44	< .02	56	0.55	0.002	5.2	2.58	0.4	30.3	0.092	1	2.08	0.028	0.12	0.8	0.6	0.08	1.4	5	0.7	0.19	3	5	4
00PSC-366	680504	5708110	silicified siltstone; py	5.82	73.73	12.36	34.7	383	51.5	11.3	109	1.93	9.1	0.7	20.6	1.7	40.2	0.28	0.55	0.13	13	0.86	0.092	8.8	17.7	0.16	172.8	0.06	3	0.53	0.038	0.04	2.7	0.7	0.02	0.96	93	3.5	0.07	1.5	14	4	6
00SIs-7	680536	5708209	silicified siltstone; py, cpy	3.36	188.41	4.87	22.1	565	15.2	15	73	2.34	5.8	0.4	4	1.1	47.8	0.3	0.37	0.06	112	0.52	0.12	3.9	1.1	0.06	137	< 1	0.06	1.57	< .5	0.3	0.13	2.5	0.8	0.3	0.7	3	3	4	2	
00SIs-14-3	683367	5708923	calcite-quartz vein; py, cpy	0.94	229.58	6.49	57.8	623	19.5	11.4	921	2.64	39.5	< .1	3.9	< .1	713.3	0.33	0.44	0.21	62	21.85	0.065	1.4	24.4	0.31	16.6	0.092	1	0.94	0.014	0.01	1.3	5.8	< .02	1.12	11	3.9	0.08	5	6	3	2
00SIs-17	684375	5708400	quartz vein; py, cpy	2.89	9.55	9.1	11.4	2108	7.6	7.7	213	2.17	1.7	< .1	0.6	0.1	78.6	0.1	0.08	0.1	36	0.12	0.015	0.8	0.8	0.1	18.1	0.41	67.7	0.08	< .1	0.1	0.2	0.4	0.1	0.2	0.3	2	2	2	2	
00SIs-20	685146	5708161	calcite-quartz vein; py	39.46	11.56	11.13	17.5	115	17.7	5.1	2198	1.33	10.4	< .1	11.5	< .1	954.1	0.57	0.06	0.36	33	31.1	0.002	1.1	2	0.58	9	0.004	< 1	0.42	0.009	0.01	0.3	7.5	< .02	0.53	13	0.5	0.19	2.3	< 2	4	< 2
00SIs-21	686516	5707375	fine-grained mafic rock; py	11.7	124.58	10.46	90.2	214	17.2	37.3	1041	9.37	2.5	< .1	24.6	0.1	158.8	0.1	0.96	1.6	136	4.19	0.213	0.6	10.4	2.04	69.9	0.114	1	2.38	0.017	0.23	2.8	3.4	0.12	2.45	16	5.2	0.24	7.8	13	5	< 2
00SIs-23	686155	5707375	gabbro with py stringers	72.61	1488.46	0.72	42.1	1248	7	41.1	508	4.11	1.9	0.1	85.3	0.1	81.9	0.33	0.48	0.05	132	2.17	0.215	3.2	9.1	1.7	30.1	0.16	2	1.97	0.039	0.06	3.3	3.9	0.02	0.64	53	1.4	0.11	5.6	90	10	< 2
00SIs-25	688962	5706411	gossanous fault rock; py	82.34	29.24	19.6	32.2	3250	31	15.4	238	20.59	46.3	0.1	126.2	0.5	8.9	0.12	0.08	0.5	36	0.07	0.007	0.5	1.9	0.7	0.2	0.3	1	0.07	0.002	0.01	0.1	0.2	0.02	0.08	14	0.2	0.06	0.8	17	2	2
00SIs-29	689932	5704611	sheared siltstone; py, mal, cpy	2.8	13463.53	3.47	92.9	1090	24	69.1	452	6.04	29.1	0.5	65.2	3	31.9	0.4	0.52	0.17	119	1.07	0.138	8.6	5.9	1.35	74.9	0.11	2	1.6	0.028	0.17	0.6	5.4	0.06	2.63	65	7.9	0.87	8.1	72	13	62
00SIs-31	688778	5704018	silicified rock; py	1.05	501.39	2.45	75.8	515	11.7	16.5	108	2.79	15.2	0.2	18.2	0.5	42.7	0.4	0.1	0.08	25	1.32	0.038	< .1	4.1	0.14	84.6	0.115	1	0.42	0.017	0.06	0.2	2.2	0.03	1.37	154	1.5	0.04	2.5	6	8	4
00SIs-40	688778	5705138	silicified siltstone; py, py	30.07	170.73	6.96	133.3	488	96.6	19.7	290	5.42	21.7	1.5	17.5	1.1	13.5	1.15	2.21	0.26	95	0.58	0.045	2.1	23.3	0.97	225.8	0.1	1.1	0.27	0.01	0.1	0.3	3.3	0.12	3.11	64	15.7	0.34	2.5	6	8
00SIs-50	687621	5703480	quartz vein; py	1.62	12.73	1.34	28	33.1	20.3	0.5	20.3	0.1	0.1	0.1	0.7	0.1	0.6	0.1	0.07	0.1	1	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.1	0.02	0.02	2	2	2	2	2
00SIs-93	687621	5702480	silicified basalt; py	0.28	177.94	2.69	64.7	77	27.4	29.5	1021	5.82	1.1	0.4	4.2	1.1	78.2	0.07	1.6	0.03	197	2.69	0.183	7.7	46.3	2.35	52.6	0.224	2	2.43	0.019	0.17	0.3	4.8	0.03	1.71	79	0.3	0.04	9.1	3	6	19
00SIs-104	688819	5701620	silicified rock; py, po	2.1	164.9	2.38	46.7	185	33.9	34.1	1000	5.9	2.1	0.4	38.6	0.1	4.4	0.1	0.05	0.1	55	0.08	0.002	0.5	0.8	0.1	0.4	0.1	1	0.06	0.001	0.01	0.1	0.2	0.02	0.13	7.8	0.3	0.04	0.2	2	2	2
00SIs-106	687635	5701590	quartz-carbonate-altered rock; py	1.68	170.26	7.34	57	205	57.9	32.5	759	5.85	14.6	0.1	18.7	0.6	186.6	0.19	0.92	0.19	197	5.57	0.13	5.5	17.5	4.03	42.2	0.021	1	3.35	0.021	0.04	3.1	10.8	0.3	1.12	183	3.5	0.43	10.8	2	< 2	1
00SIs-107	687635	5701590	quartz-carbonate-altered rock; py, py, mal	1.19	1.19	0.5	0.3	3	0.3	0.1	14	0.05	0.1	< .1	0.1	< .1	0.1	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.1	0.02	0.02	2	2	2	2	2
00SIs-114	688609	5701420	silicified siltstone; py, py	5.46	48.3	4.67	43.4	140	34.4	51.1	1476	3.4	0.8	0.5	1.1	0.1	19.9	0.1	0.14	0.1	55	0.04	0.002	0.5	0.8	0.1	0.3	0.1	1	0.04	0.001	0.01	0.1	0.2	0.02	0.08	17	0.3	0.07	0.2	2	2	2
00SIs-132	688699	5717908	rusty chert; py	16.6	200.03	4.56	181.1	373	78.4	21.7	398	5.06	3.3	1.7	9.6	1.5	144.9	1.89	0.63	4.27	459	1.26	0.139	6.6	154.9	1.78	189.6	0.208	< 1	2.71	0.289	1.27	0.8	11.9	1.73	1.96	26	10.8	0.1	10.8	4	8	6
00SIs-133	688952	5717920	quartz-sericite vein; py	0.98	6.46	1.44	114.4	17	8	2.1	75	0.18	6.8	< .1	17.4	< .1	169.9	0.1	0.04	0.1	2	0.05	0.004	0.5	5.2	0.02	0.8	0.003	< .5	0.1	0.003	< .01	0.1	0.2	0.02	0.01	1.2	0.3	0.01	0.2	2	2	2
00SIs-135	688874	5717119	quartz vein; py	5.81	19.83	4.26	7.9	212	7.7	2.8	77	0.88	11.5	< .1	8.4	0.1	4	0.05	0.12	0.02	7	0.04	0.004	< .5	21.5	0.09	11.2	0.003	< 1	0.14	0.005	0.02	0.6	0.4	0.02	0.13	< .5	0.08	4.85	0.4	22	< 2
00SIs-137	688874	5717119	silicified rock; py	2.1	194.85	9.1	169.9	183	33.7	15.8	188	2.68	2.1	0.3	3.9	0.5	75.5	0.35	0.15	0.1	55	0.07	0.005	0.5	0.8	0.1	0.3	0.1	1	0.07	0.001	0.01	0.1	0.2	0.02	0.08	17	0.3	0.07	0.2	2	2	2
00SIs-211	675568	5707988	silicified rock (siltstone?); py, po	3.62	81.43	2.84	37	284	34.1	11.2	375	2.77	9.2	1.1	10.3	2.8	50.7	0.18	0.31	0.4	24	1.87	0.149	18.8	19.1	0.14	96.5	0.07	2	1.24	0.116	0.06	1.8	1.8	0.02	1.07	10	5.8	0.22	3	8	3
00SIs-212	680025	5712928	silicified rock; py	11.1	118.16	30.6	314.7	1053	56.5	24.7	1444	6.6	29.8	0.5	33.8	0.1	11.1	0.1	0.08	0.1	55	0.08	0.002	0.5	0.8	0.1	0.3	0.1	1	0.07	0.001	0.01	0.1	0.2	0.02	0.08	17	0.3	0.07	0.2	2	2	2
00SIs-216	680657	5714675	quartz vein; py, cpy, mal	5.47	153.57	6.01	15.7	1109	6.2	1.4	145	0.55	9.9	< .1	4.4	0.1	83.2	0.14	0.14	73.23	0.6	3	1.07	0.009